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ANCHOR QEA

July 17, 2023

Dale Myers
Washington State Department of Ecology
Northwest Regional Office
15700 Dayton Avenue N
Shoreline, Washington 98133-9716
Sent via email

Re: Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site, Cleanup Site ID: 14878
Washington State Department of Ecology Agreed Order No. DE 19805

Dear Mr. Myers:

This Quarterly Progress Report is submitted on behalf of Tahn Associates, LLC, and summarizes the activities performed at the Carson Cleaners Site (Site) from April 1, 2023, through June 30, 2023, as required by the Washington State Department of Ecology (Ecology) Agreed Order (AO) No. DE 19805. This Quarterly Progress Report has been prepared in accordance with the requirements of the AO, Section VII.F, and describes the following:

1. Actions that have been taken to comply with the AO
2. Sampling and testing reports and other data reports received by the Potentially Liable Party
3. Deviations from approved work plans
4. Contacts with representatives of the local community; public interest groups; the press; and federal, state, or tribal governments
5. Problems or anticipated problems in meeting the schedule or objectives set forth in the scope of work and work plans
6. Solutions developed and implemented or planned to address any actual or anticipated problems or delays
7. Changes in key personnel
8. Work planned for the next reporting period

Actions During Second Quarter 2023

Actions Performed

- Implementation of the Remedial Investigation Work Plan (RIWP) at the Site (Figure 1) included the following:
  - Groundwater monitoring was completed from June 12, 2023, through June 14, 2023, which included sample collection at the recently installed monitoring wells associated

with the Site (CC-MW-01 through CC-MW-06), as well as existing groundwater monitoring wells associated with neighboring properties (Figure 2).
- The second quarter 2023 indoor air, subslab vapor, and ambient air monitoring was conducted (Figure 3).
- Groundwater potentiometric surface contour figures were developed based on the groundwater elevations measured during Second Quarter 2023 (Figure 4). A groundwater elevation summary is provided in Table 1.

Sampling and Testing Reports

This report includes the monitoring results for the First Quarter 2023 monitoring event. The Second Quarter 2023 laboratory data is pending validation. Groundwater, soil, air, and soil vapor samples were collected and analyzed per the RIWP sampling schedule. The analytical results are included in Tables 2 through 4, respectively. Laboratory analytical reports are included in Attachment 1, and data validation reports are included in Attachment 2. A brief summary of the validated data is as follows:

- Groundwater monitoring analytical results (Table 2) indicated the following:
  - Tetrachloroethene (PCE) exceeded both the Model Toxics Control Act (MTCA) Method B cancer and noncancer screening levels at three monitoring well locations (CC-MW-01, MW-20, and MW-28). PCE exceedances of the MTCA Method B cancer screening level were found at two monitoring well locations (BP-MW27 and BP-MW28). PCE was detected at nine additional monitoring well locations (CC-MW-03, CC-MW-2D, CC-MW-2S, CC-MW-4D, MW-22, MW-23, MW-25, MW-27, and BP-MW8) but did not exceed the MTCA Method B screening levels.
  - Trichloroethene (TCE) exceeded both the MTCA Method B cancer and noncancer screening levels at seven monitoring well locations (CC-MW-01, MW-20, MW-22, MW-23, MW-25, MW-27, and MW-28). TCE was detected at an additional five monitoring well locations (CC-MW-2D, CC-MW-4D, BP-MW8, BP-MW27, and BP-MW28) but did not exceed the MTCA Method B screening levels.
  - Vinyl chloride exceeded the MTCA Method B cancer screening level at five monitoring well locations (MW-22, MW-23, MW-27, MW-28, and BP-MW27). Detection limits for vinyl chloride were elevated above the MTCA Method B cancer screening level in the groundwater sample at CC-MW-01 due to the dilution required for higher concentrations of PCE and TCE. Vinyl chloride exceeded both the MTCA Method B cancer and noncancer screening levels at monitoring well location MW-25.
  - Cis-1,2-dichloroethene exceeded the MTCA Method B noncancer screening level at four monitoring well locations (MW-22, MW-23, MW-25, MW-27, and MW-28). Cis-1,2-dichloroethene was detected in five additional monitoring well locations (CC-MW-4D, MW-20, BP-MW27, and BP-MW28) but did not exceed the MTCA Method B noncancer screening level.

  - Trans-1,2-dichloroethene was detected in six monitoring well locations (CC-MW-4D, MW-20, MW-22, MW-23, MW-25, and MW-27) but did not exceed the MTCA Method B noncancer screening level.
- Indoor and ambient air monitoring analytical results (Table 3) indicated the following:
  - TCE exceeded the MTCA Method B cancer indoor air screening level at CC-IA-04 (Bank of America). Cis-1,2-dichloroethene was also detected at CC-IA-04 but did not exceed the MTCA Method B screening levels.
  - No additional target analytes were detected in any of the indoor or ambient air locations during First Quarter 2023.
- Subslab vapor monitoring analytical results (Table 4) indicated the following:
  - PCE exceeded both the MTCA Method B cancer and noncancer subslab screening levels at CC-SS-03b.
  - TCE exceeded both the MTCA Method B cancer and noncancer subslab screening levels at CC-SS-03b.
  - No other target analytes were detected in remaining subslab vapor monitoring locations during First Quarter 2023.
  - Subslab vapor sampling is not currently conducted at Bank of America due to refusal of access by the current tenant.

Preliminary draft figures depicting interpolated chlorinated volatile organic compound (cVOC) groundwater analytical results are depicted in Figures 5 through 9. As additional data are available to determine optimized interpolation parameters that best reflect the conceptual site model, the figures will be further revised. A single indoor air testing exceedance of TCE is depicted in Figure 6. No other indoor air testing resulted in exceedances of indoor air criteria.

As of this Quarterly Progress Report submittal, the Second Quarter 2023 monitoring data are still pending validation and are not discussed within this report. Validated laboratory results from the Second Quarter 2023 monitoring event are expected to be included in the Third Quarter 2023 report.

Deviations from Approved Work Plans

There were no deviations from the approved work plans.

Contacts with Local, State, Federal, or Tribal Representatives

- Ecology was notified a minimum of 7 days in advance of field work, per the AO.
- A check-in call with Ecology was held on May 11, 2023. A summary email of the call was transmitted to Ecology on May 15, 2023.

Summary of Problems

Problems Encountered

There were no problems encountered during this reporting period.

Changes in Key Personnel

There were no changes to key personnel during this reporting period.

Third Quarter 2023 Planned Work

- Implement the RIWP, including the following:
  - Perform the quarterly indoor air, ambient air, and soil vapor monitoring event.
  - Perform the quarterly groundwater monitoring event.
- Anchor QEA, LLC, will share validated data with the neighboring Former Chevron Station Site to begin evaluation of the extent of comingled chlorinated solvent and hydrocarbon plumes from the respective sites.

If you have any questions about the Quarterly Progress Report, please call me at (206) 903-3303 or (206) 462-9572.

Best regards,



Halah Voges, PE
Principal Engineer, Anchor QEA, LLC

cc: Nathan Soccorsy and Gavin Casson, Anchor QEA, LLC

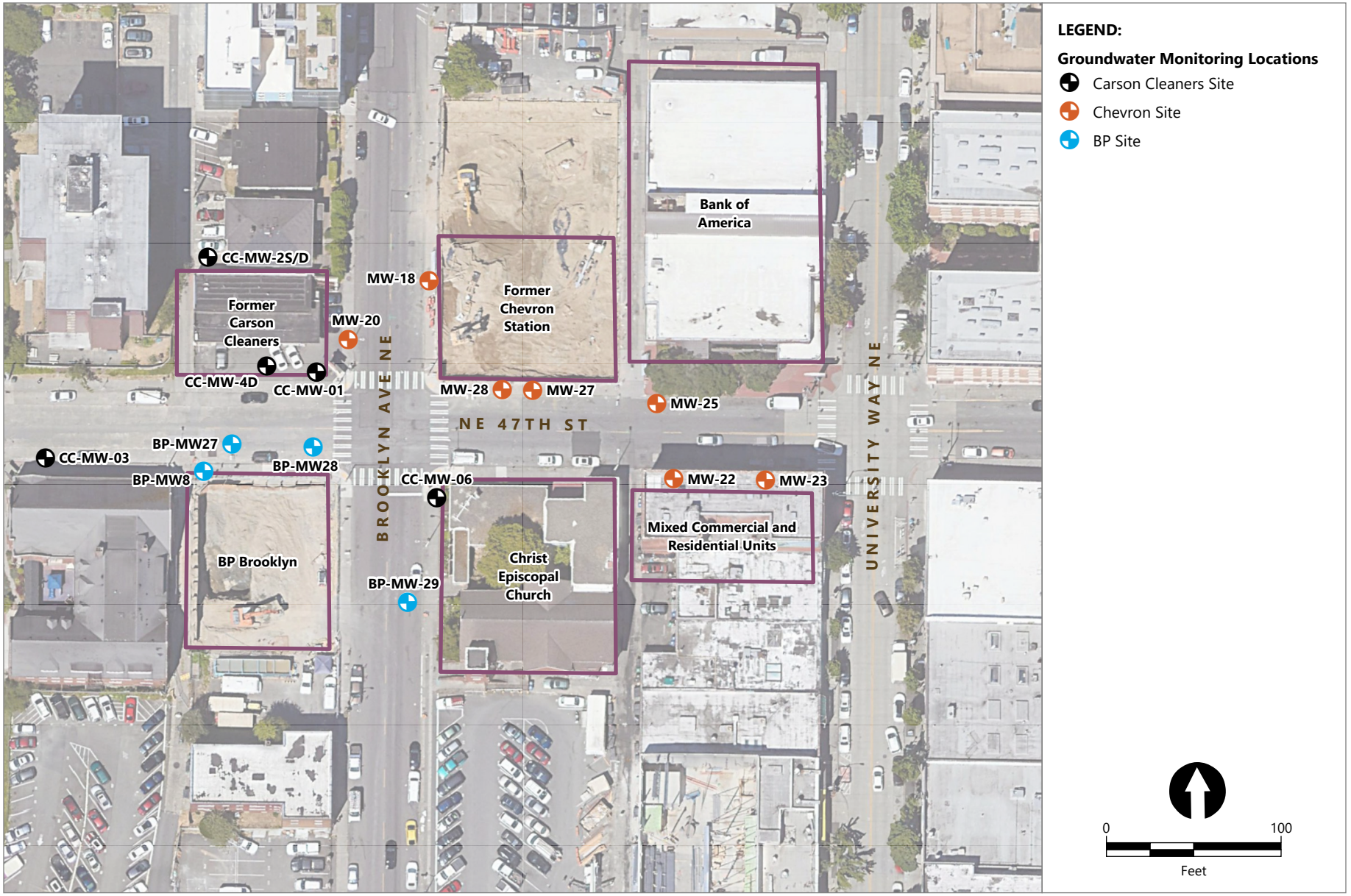
Figures



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Figure 1
Vicinity Map
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



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Figure 2
Groundwater Sample Locations
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

Vapor Sample Locations

- Ambient Air Sample
- Interior Sample (indoor air/subslab location)

NOTE:

1. Subslab sample location SS-03 was relocated in First Quarter 2023 to SS-03B.

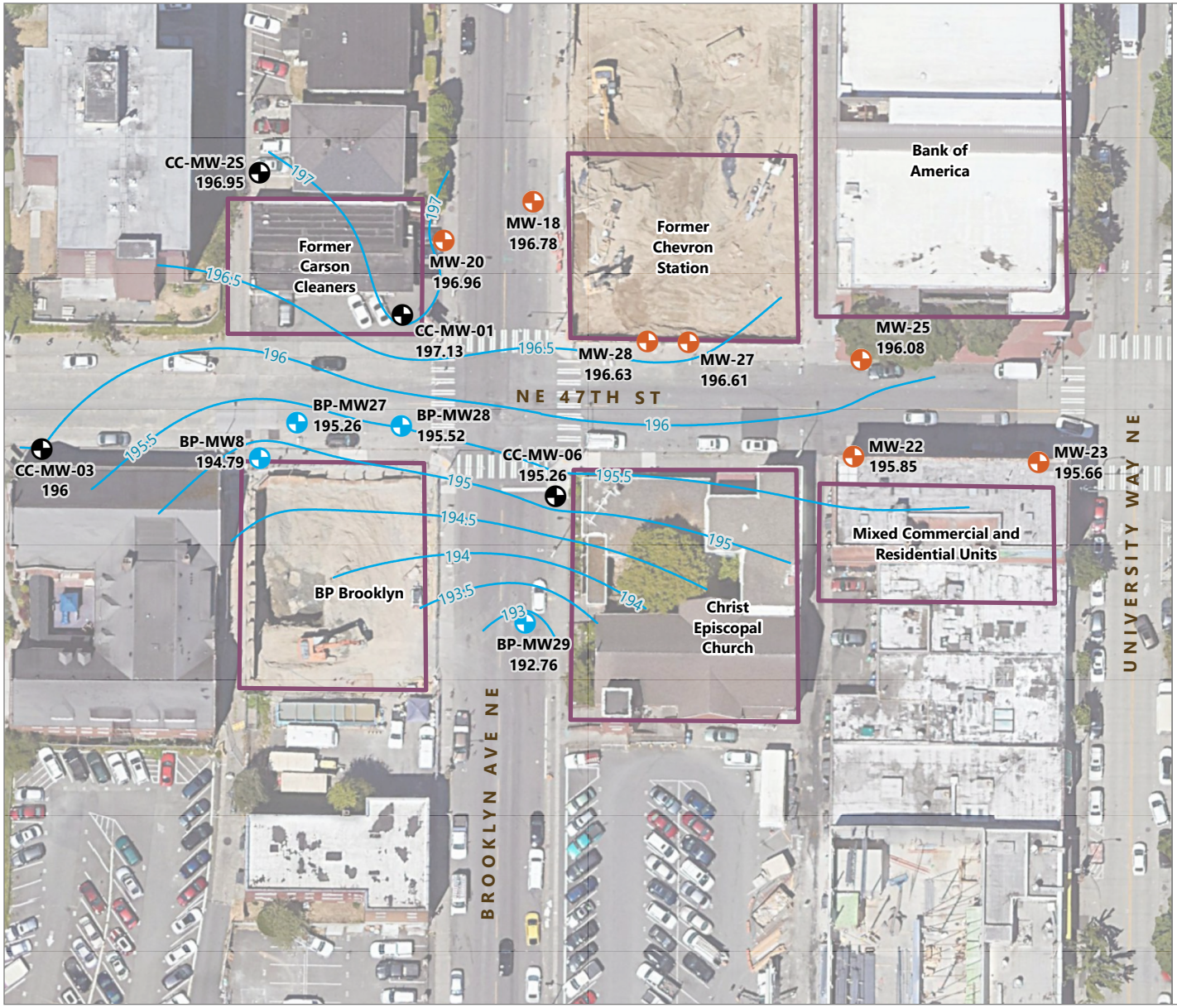
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Figure 3
Vapor Monitoring Locations
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

Groundwater Monitoring Locations

- Carson Cleaners Site
- Chevron Site
- BP Site
- Potentiometric Surface Contour (feet NAVD88)

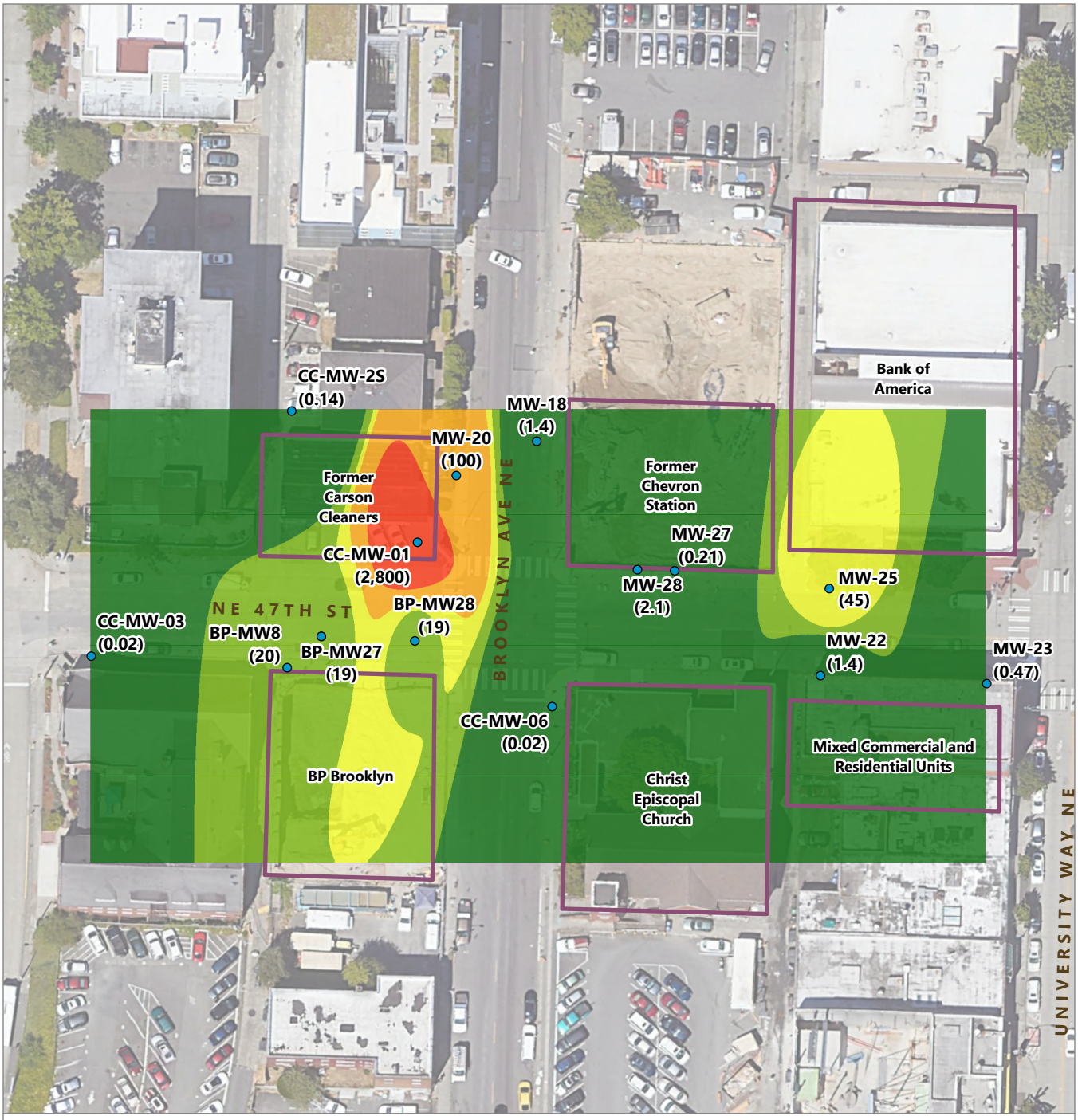
NOTE:

1. Location labels indicate groundwater elevation in units of feet relative to North American Vertical Datum of 1988 (NAVD88).
2. Groundwater flow direction may be impacted by dewatering activities taking place at two locations south and southeast of Carson Cleaners.

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Figure 4
Potentiometric Surface Map
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well

Interpolated PCE Concentrations (µg/L)

- - 5
- 6 - 21
- 22 - 48
- 49 - 500
- 501 - 2,800

NOTE:

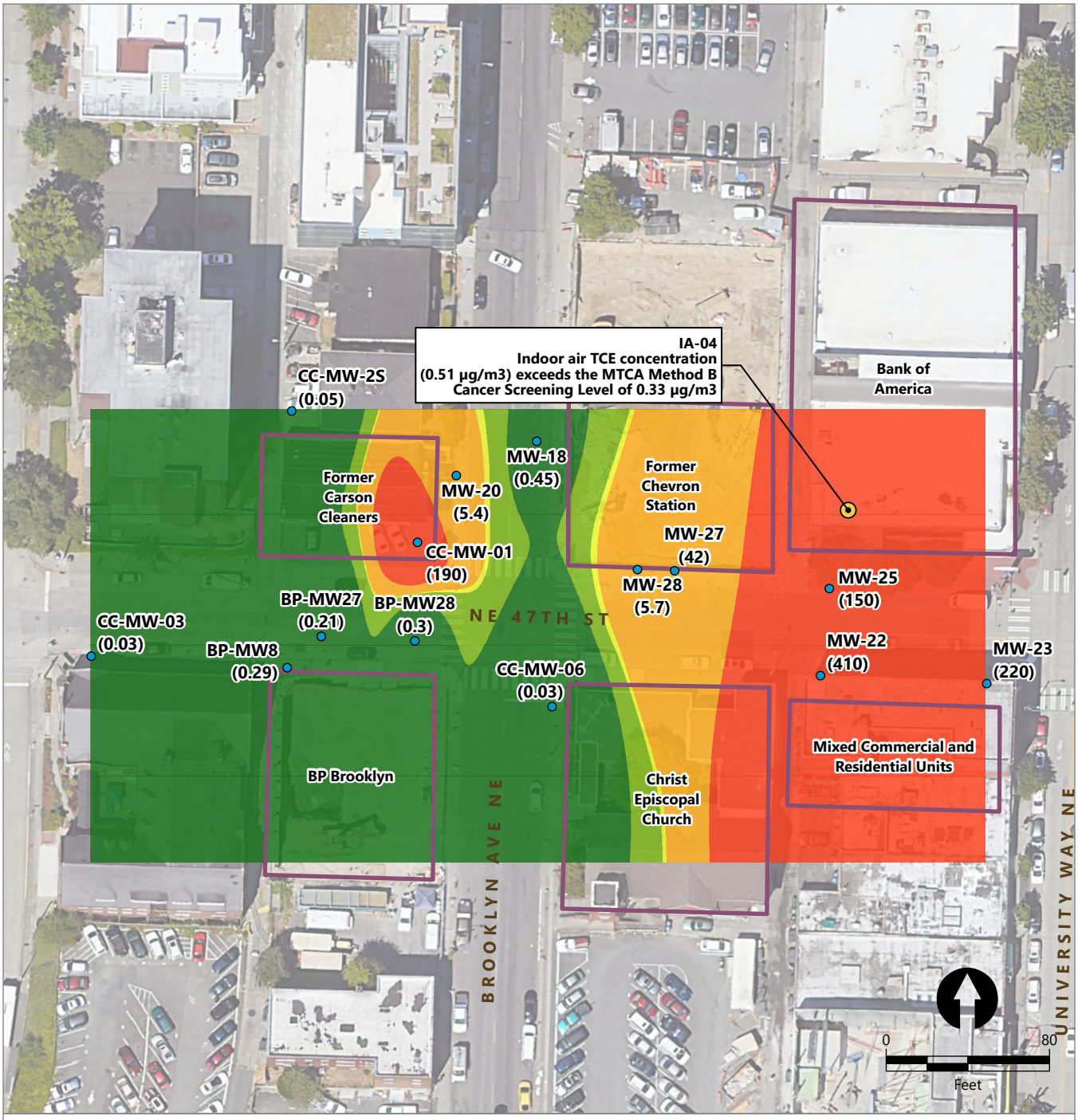
1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method A screening level for PCE is 5 µg/L
3. MTCA Method B Noncancer screening level for PCE is 48 µg/L
4. MTCA Method B Cancer screening level for PCE is 21 µg/L

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Figure 5
Tetrachloroethene (PCE) Groundwater Isoconcentration
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well

Interpolated Concentrations (ug/L)

- 0.1 - 0.54
- 0.55 - 4
- 4.1 - 5
- 5.1 - 50
- 50.1 - 409.9

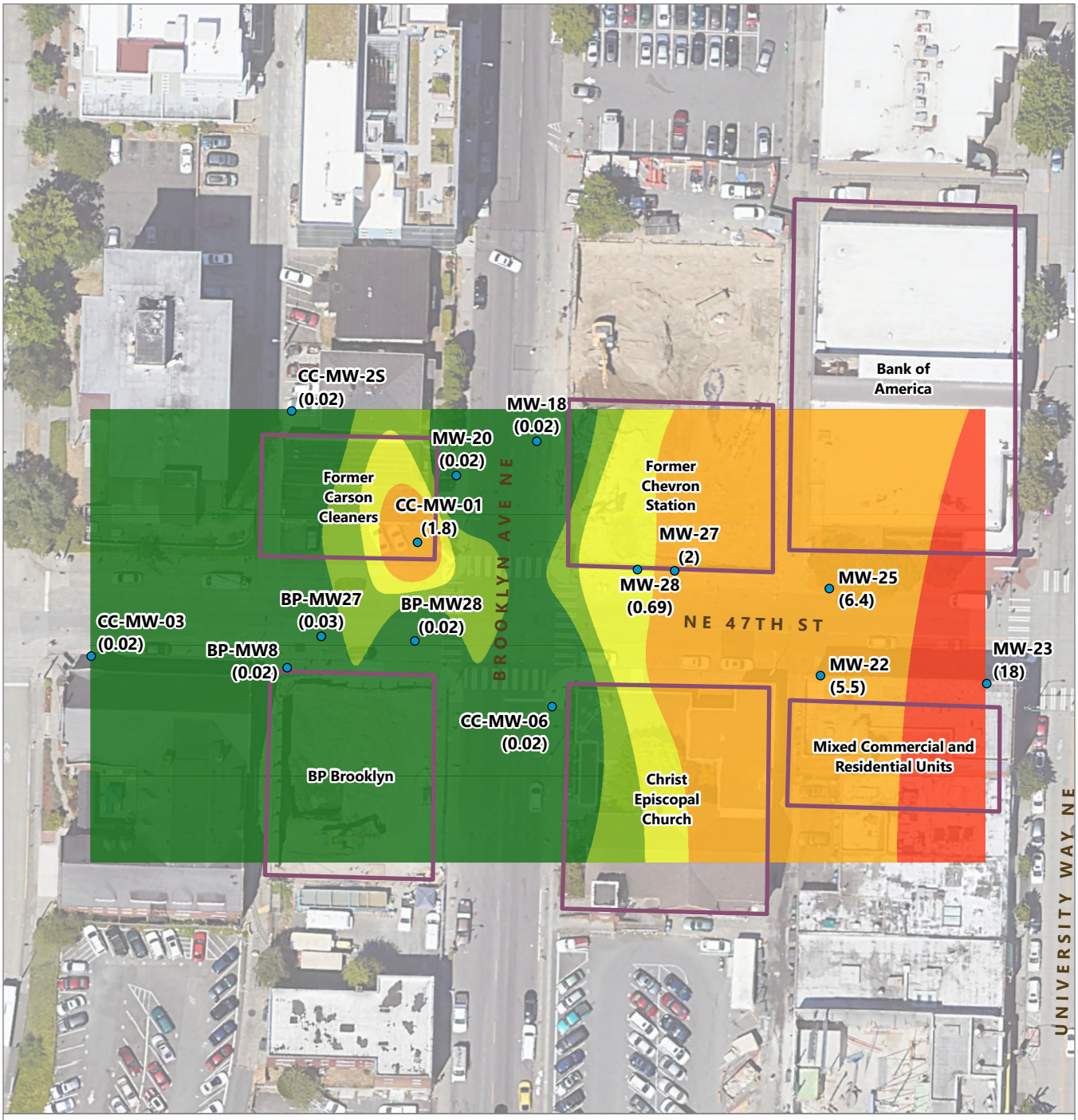
NOTE:

1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method A screening level for TCE is 5 µg/L
3. MTCA Method B Noncancer screening level for TCE is 4 µg/L
4. MTCA Method B Cancer screening level for TCE is 0.54 µg/L

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Figure 6
Trichloroethene (TCE) Groundwater Isoconcentration
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well

Interpolated Concentrations (µg/L)

- 0.02 - 0.029
- 0.03 - 0.20
- 0.21 - 1
- 1.1 - 10
- 10.1 - 18

NOTE:

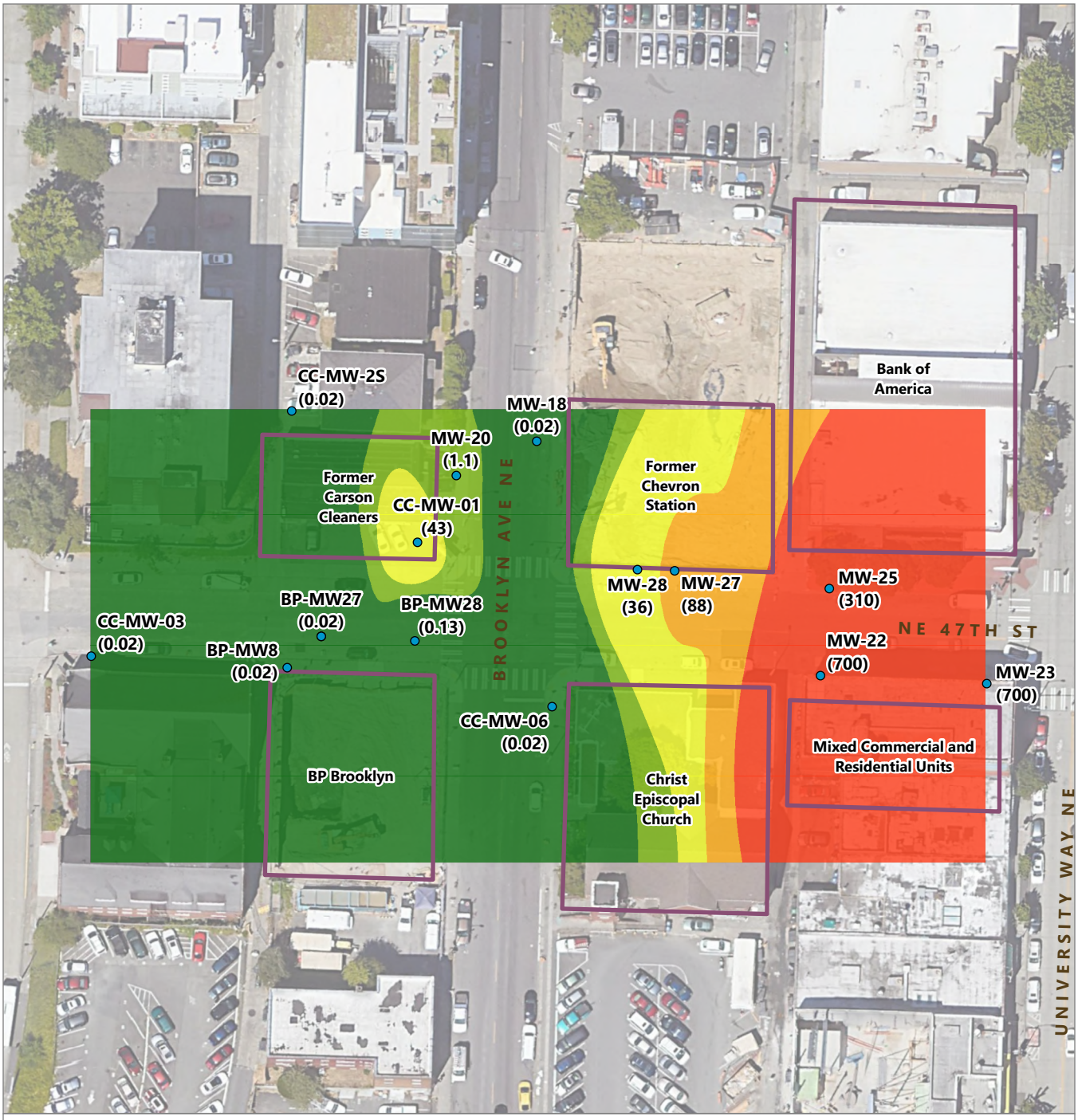
1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method A screening level for Vinyl chloride is 0.2 µg/L
3. MTCA Method B Noncancer screening level for Vinyl chloride is 24 µg/L
4. MTCA Method B Cancer screening level for Vinyl chloride is 0.029 µg/L

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Figure 7
Vinyl Chloride Groundwater Isoconcentration
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well

Interpolated Concentrations (µg/L)

- 0 - 1
- 1 - 16
- 16 - 80
- 80 - 300
- 300 - 2,800

NOTE:

1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method B Noncancer screening level for Cis-1,2-dichloroethene is 16 µg/L

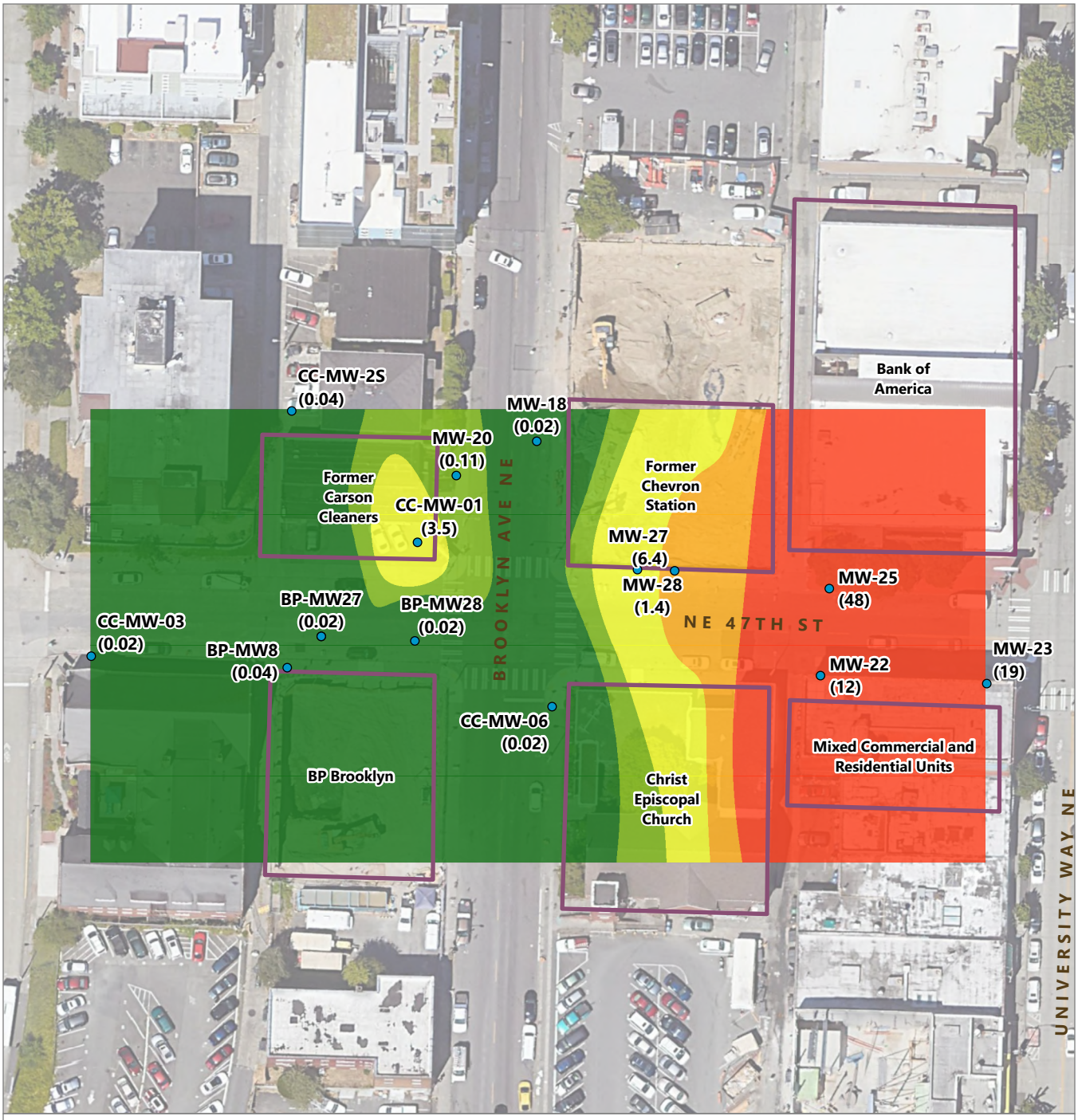
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Figure 8
Cis-1,2-dichloroethene Groundwater Isoconcentration
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site



LEGEND:

- Approximate Site Extent
- Monitoring Well

Interpolated Concentrations (µg/L)

- 0.1 - 0.1
- 0.2 - 1
- 1.1 - 5
- 5.1 - 10
- 10.1 - 48

NOTE:
1. Concentrations from fourth quarter 2022 sampling event
2. MTCA Method B Noncancer screening level for trans-1,2-dichloroethene is 160 µg/L

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Figure 9
Trans- 1,2-dichloroethene Groundwater Isoconcentration
Quarterly Progress Report: Second Quarter 2023
Carson Cleaners Site

Tables

Table 1
Groundwater Elevation Summary

Site	Well ID	Deep/Shallow Well	Date	TOC Elevation (NAV88/18)	Measured Depth to GW (ft BTOC)	Groundwater Elevation (NAV88/18)	Measured Total Well Depth (ft BTOC)
Carson Cleaners	CC-MW-01	Shallow	12/5/2022	215.83	19.21	196.62	29.20
			2/21/2023		18.43	197.40	29.23
			6/13/2023		18.70	197.13	29.23
	CC-MW-2S	Shallow	12/5/2022	223.13	26.71	196.42	35.27
			2/22/2023		25.83	197.30	35.28
			6/13/2023		26.18	196.95	35.25
	CC-MW-2D	Deep	12/5/2022	222.94	69.10	153.84	84.50
			2/22/2023		68.75	154.19	84.51
			6/13/2023		68.88	154.06	84.51
	CC-MW-03	Shallow	12/5/2022	212.77	17.76	195.01	29.69
			2/23/2023		17.04	195.73	29.69
			6/13/2023		16.77	196.00	29.64
	CC-MW-4D	Deep	12/5/2022	215.31	62.37	152.94	70.80
			2/23/2023		62.25	153.06	70.80
			6/14/2023		62.25	153.06	70.04
	CC-MW-06	Shallow	12/5/2022	214.92	19.92	195.00	29.42
			2/23/2023		19.84	195.08	29.42
			6/12/2023		19.66	195.26	29.40
Chevron Site	MW-18	Shallow	12/6/2022	216.08	19.53	196.55	24.45
			2/21/2023		18.93	197.15	24.45
			6/12/2023		19.30	196.78	24.40
	MW-20	Shallow	12/6/2022	216.01	19.46	196.55	27.61
			2/21/2023		18.74	197.27	27.61
			6/12/2023		19.05	196.96	27.60
	MW-22	Shallow	12/6/2022	213.10	17.13	195.97	25.69
			2/21/2023		17.10	196.00	25.69
			6/12/2023		17.25	195.85	25.65
	MW-23	Shallow	12/6/2022	211.89	16.19	195.70	24.77
			2/21/2023		16.10	195.79	24.77
			6/12/2023		16.23	195.66	24.75
	MW-25	Shallow	12/7/2022	212.98	16.86	196.12	29.91
			2/21/2023		16.71	196.27	29.91
			6/14/2023		16.90	196.08	29.90
	MW-27	Shallow	12/6/2022	214.49	18.11	196.38	23.43
			2/21/2023		17.61	196.88	23.43
			6/12/2023		17.88	196.61	23.40
	MW-28	Shallow	12/6/2022	214.54	18.15	196.39	25.07
			2/21/2023		17.61	196.93	25.07
			6/12/2023		17.91	196.63	25.05

Table 1

Groundwater Elevation Summary

Site	Well ID	Deep/Shallow Well	Date	TOC Elevation (NAV88/18)	Measured Depth to GW (ft BTOC)	Groundwater Elevation (NAV88/18)	Measured Total Well Depth (ft BTOC)
BP Site	BP-MW8	Shallow	12/5/2022	214.17	21.00	193.17	24.29
			2/23/2023		20.23	193.94	24.29
			6/12/2023		19.38	194.79	24.24
	BP-MW27	Shallow	12/7/2022	213.82	20.70	193.12	23.92
			2/23/2023		19.50	194.32	23.92
			6/13/2023		18.56	195.26	23.90
	BP-MW28	Shallow	12/7/2022	214.63	20.54	194.09	24.12
			2/23/2023		19.92	194.71	24.12
			6/13/2023		19.11	195.52	24.11
	BP-MW29	Shallow	---	213.10	NM	---	NM
			2/23/2023		21.83	191.27	23.95
			6/14/2023		20.34	192.76	24.00

Notes:
Vertical Datum: NAV88/18
BTOC: below top of casing
ft: feet
GW: groundwater
NM : not measured
TOC: top of casing

Table 2
Groundwater Analytical Results

				First Quarter 2023					
			Location ID	CC-MW-01	CC-MW-03	CC-MW-06	CC-MW-2D	CC-MW-2S	CC-MW-4D
			Property Location	Carson Cleaners	Carson Cleaners	Carson Cleaners	Carson Cleaners	Carson Cleaners	Carson Cleaners
			Sample Date	2/21/2023	2/23/2023	2/23/2023	2/23/2023	2/23/2023	2/23/2023
			Type	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			X	-122.3144222	1275318.054	1275543.84	1275417.739	1275416.277	1275450.192
			Y	47.6632	245369.1423	245344.4173	245489.105	245489.299	245420.9992
Chemical	Method	MTCA Method B Cancer	MTCA Method B Noncancer						
Volatile Organics (µg/L)									
1,2-Dichloroethene, cis-	SW8260D	--	16	1.6 U	0.015 U	0.015 U	0.016 U	0.016 U	**1.5**
1,2-Dichloroethene, trans-	SW8260D	--	160	3.5 U	0.021 U	0.021 U	0.035 U	0.035 U	**0.27**
Tetrachloroethene (PCE)	SW8260D	21	48	**2100 J**	**0.063 J**	0.023 U	**1.9**	**0.14**	**0.1 J**
Trichloroethene (TCE)	SW8260D	0.54	4	**200 J**	0.032 U	0.032 U	**0.06**	0.045 U	**0.27**
Vinyl chloride	SW8260D	0.029	24	*1.8 U*	0.017 U	0.017 U	0.018 U	0.018 U	0.017 U

Table 2
Groundwater Analytical Results

				First Quarter 2023					
			Location ID	BP-MW8	BP-MW27	BP-MW27	BP-MW28	BP-MW29	MW-18
			Property Location	BP Property	BP Property	BP Property	BP Property	BP Property	Chevron Property
			Sample Date	2/23/2023	2/23/2023	2/23/2023	2/23/2023	2/23/2023	2/21/2023
			Type	Normal	Normal	Field Duplicate	Normal	Normal	Normal
			Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			X	1275414.082	1275430.763	1275430.763	1275476.611	1275529.538	1275536.328
			Y	245363.5173	245378.8402	245378.8402	245376.6242	245288.6524	245474.4521
Chemical	Method	MTCA Method B Cancer	MTCA Method B Noncancer						
Volatile Organics (µg/L)									
1,2-Dichloroethene, cis-	SW8260D	--	16	0.015 U	**0.074**	**0.073**	**0.16**	0.015 U	0.015 UJ
1,2-Dichloroethene, trans-	SW8260D	--	160	0.021 U	0.021 U	0.021 U	0.021 U	0.021 U	0.021 UJ
Tetrachloroethene (PCE)	SW8260D	21	48	**18 J**	**48 J**	**47 J**	**25 J**	0.023 UJ	0.023 UJ
Trichloroethene (TCE)	SW8260D	0.54	4	**0.24**	**0.31**	**0.29**	**0.29**	0.032 U	0.032 UJ
Vinyl chloride	SW8260D	0.029	24	0.017 U	**0.04**	**0.039**	0.017 U	0.017 U	0.017 UJ

Table 2
Groundwater Analytical Results

				First Quarter 2023					
			Location ID	MW-20	MW-22	MW-23	MW-25	MW-27	MW-28
			Property Location	Chevron Property	Chevron Property	Chevron Property	Chevron Property	Chevron Property	Chevron Property
			Sample Date	2/21/2023	2/21/2023	2/21/2023	2/21/2023	2/21/2023	2/21/2023
			Type	Normal	Normal	Normal	Normal	Normal	Normal
			Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
			X	1275496.916	1275675.336	1275756.798	1275679.66	1275603.89	1275585.667
			Y	245457.6561	245359.6153	245355.6953	245402.2612	245410.9792	245411.5502
Chemical	Method	MTCA Method B Cancer	MTCA Method B Noncancer						
Volatile Organics (µg/L)									
1,2-Dichloroethene, cis-	SW8260D	--	16	**4.4 J**	**700 J**	**380 J**	**540 J**	**54 J**	**150 J**
1,2-Dichloroethene, trans-	SW8260D	--	160	**0.3 J**	**22 J**	**12 J**	**100 J**	**5 J**	0.21 UJ
Tetrachloroethene (PCE)	SW8260D	21	48	**99 J**	**0.92 J**	**0.98 J**	**14 J**	**0.079 J**	**250 J**
Trichloroethene (TCE)	SW8260D	0.54	4	**14 J**	**450 J**	**240 J**	**120 J**	**7.8 J**	**490 J**
Vinyl chloride	SW8260D	0.029	24	0.018 U	**9.9 J**	**5.1 J**	**67 J**	**3 J**	**2.3 J**

Notes:
USEPA Stage 2B data validation was completed by Laboratory Data Consultants.
All nondetect results are reported at the method detection limit.
: detected concentration is greater than MTCA Method B Cancer screening level
: detected concentration is greater than MTCA Method B Noncancer screening level
Bold: detected result
Italicized : nondetected concentration is above one or more identified screening levels
µg/L: microgram per liter
J: estimated value
MTCA: Model Toxics Control Act
U: compound analyzed for but not detected above detection limit
UJ: compound analyzed for but not detected above estimated detection limit
USEPA: U.S. Environmental Protection Agency

Table 3
Ambient and Indoor Air Monitoring Analytical Results

				First Quarter 2023				
			Location ID	CC-AA-01	CC-IA-01	CC-IA-02	CC-IA-03	CC-IA-04
			Property Location	Carson Cleaners	Episcopal Church	Mixed Use Building	Carson Cleaners	Bank of America
			Sample Date	2/22/2023	2/22/2023	2/22/2023	2/22/2023	2/22/2023
			Type	Ambient Air	Indoor Air	Indoor Air	Indoor Air	Indoor Air
			X	-122.314676	-122.3140972	-122.3136028	-122.3146444	-122.3135833
			Y	47.66324732	47.6629944	47.6629556	47.6632583	47.6632639
Chemical	**Method**	**MTCA Method B Cancer**	**MTCA Method B Non Cancer**					
Volatile Organics (µg/m^3)								
1,2-Dichloroethene, cis-	TO-15	--	18	0.036 U	0.036 U	0.036 U	0.036 U	**0.46**
1,2-Dichloroethene, trans-	TO-15	--	18	0.035 U	0.035 U	0.035 U	0.035 U	0.035 U
Tetrachloroethene (PCE)	TO-15	9.6	18	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Trichloroethene (TCE)	TO-15	0.33	0.91	0.051 U	0.051 U	0.051 U	0.051 U	**0.37**
Vinyl chloride	TO-15	0.28	46	0.024 U	0.024 U	0.024 U	0.024 U	0.024 U

Notes:
All nondetect results are reported at the **method detection limit**.
USEPA Stage 2B data validation was completed by Laboratory Data Consultants.
: detected concentration is greater than MTCA Method B Cancer screening level
: detected concentration is greater than MTCA Method B Noncancer screening level
Bold: detected result
µg/m^3: microgram per meters cubed
MTCA: Model Toxics Control Act
U: compound analyzed for but not detected above detection limit
USEPA: U.S. Environmental Protection Agency

Table 4
Subslab Vapor Monitoring Analytical Results

				First Quarter 2023		
		Location		CC-SS-01	CC-SS-02	CC-SS-03b
		Property Location		Episcopal Church	Mixed Use Building	Carson Cleaners
		Sample Date		2/22/2023	2/22/2023	2/22/2023
		Type		Sub-slab	Sub-slab	Sub-slab
		X		-122.3140972	-122.3136028	-122.314678
		Y		47.6629944	47.6629556	47.66330600
Chemical	Method	MTCA Method B Cancer	MTCA Method B Non Cancer			
Volatile Organics (µg/m^3)						
1,2-Dichloroethene, cis	TO-15	--	18	0.18 U	0.18 U	0.27 U
1,2-Dichloroethene, tra	TO-15	--	18	0.17 U	0.17 U	0.26 U
Tetrachloroethene (PCI	TO-15	9.6	18	0.69 U	0.69 U	**99**
Trichloroethene (TCE)	TO-15	0.33	0.91	0.25 U	0.25 U	**1.5**
Vinyl chloride	TO-15	0.28	46	0.12 U	0.12 U	0.18 U

Notes:
All nondetect results are reported at the **method detection limit**.
USEPA Stage 2B data validation was completed by Laboratory Data Consultants.
: detected concentration is greater than MTCA Method B Cancer screening level
: detected concentration is greater than MTCA Method B Non Cancer screening level
Bold: detected result
µg/m^3: microgram per meters cubed
MTCA: Model Toxics Control Act
U: compound analyzed for but not detected above detection limit
USEPA: U.S. Environmental Protection Agency

Attachment 1
Laboratory Analytical Reports

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 22, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the additional results from the testing of material submitted on December 7, 2022 from the Carson Cleaners 212280-01.01, F&BI 212114 project. There are 3 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: labdataattachments@anchorqea.com
ACQ0322R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 7, 2022 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280.01.01 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
212114 -01	CC-IA-04-20221207

All quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	40703	Client:	Anchor QEA
Date Received:	12/07/22	Project:	Carson Cleaners 212280-01.01, F&BI 212114
Date Collected:	N/A	Lab ID:	40703
Date Analyzed:	11/30/22	Data File:	112916.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	100	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

26 212114

SAMPLE CHAIN OF CUSTODY

12/07/22

Page # 1 of 1

Report To JENNIFER MARSTERA

Company ANCHOR QEA

Address 1201 3RD AVE # 2600

City, State, ZIP SEATTLE, WA, 98101

Phone 2062879130 Email LAB DATA ATTACH @ ANCHORQEA.COM

SAMPLERS (signature) SBS

PROJECT NAME & ADDRESS: CARSON CLEANERS

PO # 212250-01-01

NOTES: SEE QAPP FOR PROJECT SPECIFIC DETAILS

INVOICE TO: LAB DATA ATTACH @ ANCHORQEA.COM

TURNAROUND TIME: (Standard) / RUSH
Rush charges authorized by:

SAMPLE DISPOSAL: (Default: Clean following final report delivery) / Hold (Fee may apply):

SAMPLE INFORMATION

Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	TO-15 NCD. CLIENT ACCOUNT	Notes
CC-IA-04-20221207	01	4073	05548	(IA) / SG	12-7-22	30	0905	5	1710			X			(X)	(X)-per JM 12/8 3/16
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COCTO-15.DOC

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN SMITH	STEPHEN SMITH	ANCHOR QEA	12-7-22	1755
Received by: BISRAT	BISRAT TADESSE	FBI	12/07/22	1755
Relinquished by:				
Received by:				

Samples received at 4.0°C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 22, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the additional testing of material submitted on December 9, 2022 from the Carson Cleaners 212280-01.01, F&BI 212177 project. There are 9 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: labdataattachments@anchorqea.com
ACQ0322R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on December 9, 2022 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners Remedial Investigation 212280-01.01 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
212177 -01	CC-SS-01-20221209
212177 -02	CC-SS-02-20221209
212177 -03	CC-SS-03-20221209
212177 -04	CC-IA-01-20221209
212177 -05	CC-IA-02-20221209
212177 -06	CC-IA-03-20221209
212177 -07	CC-AA-01-20221209

All quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	18561	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	18561
Date Analyzed:	12/02/22	Data File:	120124.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	37214	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	37214
Date Analyzed:	12/02/22	Data File:	120122.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	23227	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	23227
Date Analyzed:	12/02/22	Data File:	120116.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	102	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	40708	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	40708
Date Analyzed:	12/06/22	Data File:	120514.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	104	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	20545	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	20545
Date Analyzed:	12/02/22	Data File:	120121.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	102	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	37224	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	37224
Date Analyzed:	12/02/22	Data File:	120120.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	99	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	21484	Client:	Anchor QEA
Date Received:	12/09/22	Project:	Carson Cleaners 212280-01.01, F&BI 212177
Date Collected:	N/A	Lab ID:	21484
Date Analyzed:	12/02/22	Data File:	120119.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	99	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

Chain of Custody Record & Laboratory Analysis Request 212177

12/09/22

Laboratory Number:
Friedman and Bruya
Date: 12/9/2022
Project Name: Carson Cleaners Remedial Investigation
Project Number: 212280-01.01
Project Manager: Gavin Casson / Jennifer Marsala
Phone Number: 206-287-9130
Shipment Method: Drop Off

ANCHOR QEA

TURN AROUND: STANDARD

Line	Field Sample ID	Date	Start Time	End Time	Initial Volume	End Volume	Matrix	No. of Containers	Test Parameters: VOCs - EPA Method TO-15	Lab ID	TO-15 IND CERT REPORT	Comments
1	CC-SS-01- 20221209	12/9/2022	0815	1625	29.0	3.5	Air	1	X	01	(B)	SUB SLAB; CAN: 10561, REG: 12
2	CC-SS-02- 20221209	12/9/2022	0830	1515	~35.0	28.5	Air	1	X	02	(B)	SUB SLAB; CAN: 37214, REG #: 18
3	CC-SS-03- 20221209	12/9/2022	0800	1640	29.0	17.0	Air	1	X	03	(B)	SUB-SLAB; CAN: 23227, REG: 03
4	CC-IA-01- 20221209	12/9/2022	0815	1625	30.0	5.0	Air	1	X	04	(B)	INDOOR AIR; CAN: 40708, REG: 07851
5	CC-IA-02- 20221209	12/9/2022	0830	1630	27.0	5.0	Air	1	X	05	(B)	INDOOR AIR; CAN: 20545, REG: 08182
6	~~CC-IA-03- SS~~	~~12/ /2022~~					~~Air~~	~~1~~	~~X~~			
7	CC-IA-03- 20221209	12/9/2022	0800	1640	28.5	3.5	Air	1	X	06	(B)	INDOOR AIR; CAN: 37224, REG: 07845
8	CC-AA-01- 20221209	12/9/2022	0720	1615	29.0	2.5	Air	1	X	07	(B)	AMBIENT AIR, REG #: 05350, CAN #: 21484
9												
10												(Y) - per JM
11												
12												
13												
14												
15												

Notes: See QAPP for analytes and methods

CC-SS-02 AND CC-SS-04 ~~DUPLICATE~~ HAD ISSUES W/ VACUUM.

Relinquished By:	Company:	Received By:	Company:
Stephen Stright	Anchor QEA		FSB
Signature/Printed Name	12-9-22 / 1730 Date/Time	Signature/Printed Name	12/09/22 / 17:30 Date/Time
Relinquished By:	Company:	Received By:	Company:
Signature/Printed Name	Date/Time	Signature/Printed Name	Date/Time

Samples received at 19 °C

Distribution: A copy will be made for the laboratory and client. The Project file will retain the original.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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March 22, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 22, 2023 from the Carson Cleaners 212280-01.01, F&BI 302321 project. There are 10 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0322R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302321 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302321 -01	CC-AA-01-20230222
302321 -02	CC-IA-01-20230222
302321 -03	CC-IA-02-20230222
302321 -04	CC-IA-03-20230222
302321 -05	CC-IA-04-20230222
302321 -06	CC-SS-01-20230222
302321 -07	CC-SS-02-20230222
302321 -08	CC-SS-03B-20230222

All quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	37224	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	37224
Date Analyzed:	02/15/23	Data File:	021415.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	98	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	21484	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	21484
Date Analyzed:	02/15/23	Data File:	021417.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	37203	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	37203
Date Analyzed:	02/15/23	Data File:	021418.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	99	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	35339	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	35339
Date Analyzed:	02/15/23	Data File:	021419.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	40709	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	40709
Date Analyzed:	02/15/23	Data File:	021421.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	97	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	2436	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	2436
Date Analyzed:	02/16/23	Data File:	021517.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	100	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	0.16	0.069	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	3672	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	3672
Date Analyzed:	02/21/23	Data File:	022113.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	94	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	3258	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01, F&BI 302321
Date Collected:	N/A	Lab ID:	3258
Date Analyzed:	02/16/23	Data File:	021519.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	100	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.99	<0.2	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<2.1	<0.3	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<3.9	<1	cis-1,3-Dichloropropene	<0.91	<0.2
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<5.9	<2	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<3.1	<1	Isopropylbenzene	<9.8	<2
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<4.9	<1
Methyl t-butyl ether (MTBE)	<7.2	<2	4-Ethyltoluene	<4.9	<1
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<4.9	<1
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<4.9	<1
2-Butanone (MEK)	<5.9	<2	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.1	<0.02
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

302321

SAMPLE CHAIN OF CUSTODY

02/22/23

Page # 1 of 1

Report To JENNIFER MARSALLA
Company ANCHOR QEA
Address 1201 3RD AVE, #2600
City, State, ZIP SEATTLE, WA 98101
Phone 206 287 9130 Email LABDATAATTACH@ANCHORQEA.COM

SAMPLERS (signature) SBS

PROJECT NAME & ADDRESS: CARSON CLEANERS

PO # 212280-01.01

NOTES:

INVOICE TO LABDATAATTACH@ANCHORQEA.COM

TURNAROUND TIME: (Standard) RUSH
Rush charges authorized by:

SAMPLE DISPOSAL: (Default) Clean following final report delivery
Hold (Fee may apply):

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium	TO-15 w/o IND (CERT REPORT)	Notes
CC- AA-01-20230222	01	37224	06608	(IA) / SG	2-22-23	30.0	0730	6.0	1600			X			(X)	AMBIENT (OUTDOOR) AIR 8 HOUR TWA
CC- IA-01-2023 0222	02	21484	08183	(IA) / SG		30.0	0735	5.0	1540			X			(X)	INDOOR AIR 8 HOUR TWA
CC- IA-02-2023 0222	03	37203	07851	(IA) / SG		30.0	0800	7.0	1610			X			(X)	↓
CC- IA-03-2023 0222	04	35339	05350	(IA) / SG		28.5	0740	5.0	1540			X			(X)	↓
CC- IA-04-2023 0222	05	40709	07647	(IA) / SG		29.0	0900	5.0	1700			X			(X)	INDOOR AIR 8 HOUR TWA
CC- SS-01-2023 0222	06	2436	243	IA / (SG)		30.0	1034	3.0	1040			X			(X)	SUB-SLAB GRAB
CC- SS-02-2023 0222	07	3672	02	IA / (SG)	↓	28.5	1332 3:0 PM	3.0	1342			X			(X)	↓
CC- SS-03-2023 0222	08	3258	73	IA / (SG)	2-22-23	29.0	0950	3.0	0956			X			(X)	SUB-SLAB GRAB

OSB

per JM 2/23/23 AE - 3/2/23 AE

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN SMITH	STEPHEN SMITH	ANCHOR QEA	2-22-23	1725
Received by:	VIIV'IA	FBX	2-22-23	1825
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COCTO-15.DOC

Samples received at 68 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

May 8, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the amended results from the testing of material submitted on February 21, 2023 from the Carson Cleaners 212280-01.01, F&BI 302300 project. The sample IDs were corrected.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0308R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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Yelena Aravkina, M.S.
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www.friedmanandbruya.com

March 8, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 21, 2023 from the Carson Cleaners 212280-01.01, F&BI 302300 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0308R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302300 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302300 -01	MW-23-GW-20230221
302300 -02	MW-22-GW-20230221
302300 -03	MW-25-GW-20230221
302300 -04	MW-27-GW-20230221
302300 -05	MW-28-GW-20230221
302300 -06	MW-20-GW-20230221
302300 -07	MW-18-GW-20230221
302300 -08	CC-MW-01-GW-20230221
302300 -09	TB-20230221

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-23-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-01 1/10
Date Analyzed:	02/24/23	Data File:	022418.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	5.1
trans-1,2-Dichloroethene	12
cis-1,2-Dichloroethene	380
Trichloroethene	240
Tetrachloroethene	0.98

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-22-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-02 1/10
Date Analyzed:	02/24/23	Data File:	022419.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	9.9
trans-1,2-Dichloroethene	22
cis-1,2-Dichloroethene	700
Trichloroethene	450
Tetrachloroethene	0.92

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-25-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-03 1/10
Date Analyzed:	02/24/23	Data File:	022436.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	95	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	67
trans-1,2-Dichloroethene	100
cis-1,2-Dichloroethene	540
Trichloroethene	120
Tetrachloroethene	14

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-27-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-04
Date Analyzed:	02/24/23	Data File:	022414.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	108	84	115
4-Bromofluorobenzene	114	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	3.0
trans-1,2-Dichloroethene	5.0
cis-1,2-Dichloroethene	54
Trichloroethene	7.8
Tetrachloroethene	0.079

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-28-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-05 1/10
Date Analyzed:	03/06/23	Data File:	030628.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.3
trans-1,2-Dichloroethene	<10
cis-1,2-Dichloroethene	150
Trichloroethene	490
Tetrachloroethene	250

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-06
Date Analyzed:	02/24/23	Data File:	022416.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	0.30
cis-1,2-Dichloroethene	4.4
Trichloroethene	14
Tetrachloroethene	99

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-07
Date Analyzed:	03/06/23	Data File:	030627.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	108	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-01-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-08 1/100
Date Analyzed:	02/24/23	Data File:	022438.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	93	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<2
trans-1,2-Dichloroethene	<100
cis-1,2-Dichloroethene	<100
Trichloroethene	200
Tetrachloroethene	2,100

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	TB-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-09
Date Analyzed:	03/06/23	Data File:	030624.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	106	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	03-0353 mb
Date Analyzed:	03/06/23	Data File:	030622.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	106	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Date of Report: 03/08/23
Date Received: 02/21/23
Project: Carson Cleaners 212280-01.01, F&BI 302300

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 302300-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	78	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<0.05	106	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<0.05	104	50-150
Trichloroethene	ug/L (ppb)	10	<0.05	106	50-150
Tetrachloroethene	ug/L (ppb)	10	<0.05	119	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	103	106	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	109	113	70-130	4
cis-1,2-Dichloroethene	ug/L (ppb)	10	106	108	70-130	2
Trichloroethene	ug/L (ppb)	10	102	99	70-130	3
Tetrachloroethene	ug/L (ppb)	10	101	99	70-130	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

02/21/23

VW6

302300

Report To JENNIFER MARSALLA

Company ANCHOR QEA

Address 1201 3RD AVE, #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) [redacted]

PROJECT NAME: CARSON CLEANERS

PO #: 212280-01.01

REMARKS

Project specific RLs? (Yes) / No

INVOICE TO: LABDATA ATTACH@ANCHORQEA.COM

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID (-GW added per JM 2/21/23 ME)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOC's				Notes
						ANALYSES REQUESTED											TIER IV
MW-23-GW-20230221	01 A-C	2-21-23	1505	GW H2O	3								X				2p 3/8
MW-22-GW-20230221	02		1500		3								X				
MW-25-GW-20230221	03		1400		3								X				
MW-27-GW-20230221	04		1255		3								X				
MW-28-GW-20230221	05		1245		3								X				
MW-20-GW-20230221	06		1130		3								X				
MW-18-GW-20230221	07		1050		3								X				
CC-MW-C1-GW-20230221	08		1000		3								X				
TB-20230221	09	2-21-23	0800	H2O	2								X				TRIP BLANK
											Samples received at		0 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	STEPHEN STAUFFER	AQ	2-21-23	1643
Received by: [redacted]	ANHPHAN	FSB	02/21/23	16:48
Relinquished by:				
Received by:				

DW

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
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(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 8, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 21, 2023 from the Carson Cleaners 212280-01.01, F&BI 302300 project. There are 13 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0308R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 21, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302300 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302300 -01	MW-23-GW-20230221
302300 -02	MW-22-GW-20230221
302300 -03	MW-25-GW-20230221
302300 -04	MW-27-GW-20230221
302300 -05	MW-28-GW-20230221
302300 -06	MW-20-GW-20230221
302300 -07	MW-18-GW-20230221
302300 -08	CC-MW-C1-GW-20230221
302300 -09	TB-20230221

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-23-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-01 1/10
Date Analyzed:	02/24/23	Data File:	022418.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	78	126
Toluene-d8	97	84	115
4-Bromofluorobenzene	99	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	5.1
trans-1,2-Dichloroethene	12
cis-1,2-Dichloroethene	380
Trichloroethene	240
Tetrachloroethene	0.98

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-22-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-02 1/10
Date Analyzed:	02/24/23	Data File:	022419.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	98	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	9.9
trans-1,2-Dichloroethene	22
cis-1,2-Dichloroethene	700
Trichloroethene	450
Tetrachloroethene	0.92

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-25-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-03 1/10
Date Analyzed:	02/24/23	Data File:	022436.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	91	78	126
Toluene-d8	101	84	115
4-Bromofluorobenzene	95	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	67
trans-1,2-Dichloroethene	100
cis-1,2-Dichloroethene	540
Trichloroethene	120
Tetrachloroethene	14

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-27-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-04
Date Analyzed:	02/24/23	Data File:	022414.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	94	78	126
Toluene-d8	108	84	115
4-Bromofluorobenzene	114	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	3.0
trans-1,2-Dichloroethene	5.0
cis-1,2-Dichloroethene	54
Trichloroethene	7.8
Tetrachloroethene	0.079

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-28-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-05 1/10
Date Analyzed:	03/06/23	Data File:	030628.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	101	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	2.3
trans-1,2-Dichloroethene	<10
cis-1,2-Dichloroethene	150
Trichloroethene	490
Tetrachloroethene	250

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-20-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-06
Date Analyzed:	02/24/23	Data File:	022416.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	90	78	126
Toluene-d8	102	84	115
4-Bromofluorobenzene	105	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	0.30
cis-1,2-Dichloroethene	4.4
Trichloroethene	14
Tetrachloroethene	99

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	MW-18-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-07
Date Analyzed:	03/06/23	Data File:	030627.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	108	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-C1-GW-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	302300-08 1/100
Date Analyzed:	02/24/23	Data File:	022438.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	78	126
Toluene-d8	99	84	115
4-Bromofluorobenzene	93	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<2
trans-1,2-Dichloroethene	<100
cis-1,2-Dichloroethene	<100
Trichloroethene	200
Tetrachloroethene	2,100

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	TB-20230221	Client:	Anchor QEA
Date Received:	02/21/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302300-09
Date Analyzed:	03/06/23	Data File:	030624.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	106	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/24/23	Lab ID:	03-0353 mb
Date Analyzed:	03/06/23	Data File:	030622.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	106	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Date of Report: 03/08/23
Date Received: 02/21/23
Project: Carson Cleaners 212280-01.01, F&BI 302300

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 302300-07 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	78	50-150
trans-1,2-Dichloroethene	ug/L (ppb)	10	<0.05	106	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	<0.05	104	50-150
Trichloroethene	ug/L (ppb)	10	<0.05	106	50-150
Tetrachloroethene	ug/L (ppb)	10	<0.05	119	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	103	106	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	109	113	70-130	4
cis-1,2-Dichloroethene	ug/L (ppb)	10	106	108	70-130	2
Trichloroethene	ug/L (ppb)	10	102	99	70-130	3
Tetrachloroethene	ug/L (ppb)	10	101	99	70-130	2

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

02/21/23

VW6

302300

Report To JENNIFER MARSALLA

Company ANCHOR QEA

Address 1201 3RD AVE, #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) [redacted]

PROJECT NAME: CARSON CLEANERS

PO #: 212280-01.01

REMARKS

Project specific RLs? (Yes) / No

INVOICE TO: LABDATA ATTACH@ANCHORQEA.COM

TURNAROUND TIME
- ☒ Standard turnaround
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Archive samples
- ☐ Other
- Default: Dispose after 30 days

Sample ID (-GW added per JM 2/21/23 ME)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOC's				Notes
						ANALYSES REQUESTED											TIER IV
MW-23-GW-20230221	01 A-C	2-21-23	1505	GW H2O	3								X				2p 3/8
MW-22-GW-20230221	02		1500		3								X				
MW-25-GW-20230221	03		1400		3								X				
MW-27-GW-20230221	04		1255		3								X				
MW-28-GW-20230221	05		1245		3								X				
MW-20-GW-20230221	06		1130		3								X				
MW-18-GW-20230221	07		1050		3								X				
CC-MW-C1-GW-20230221	08		1000		3								X				
TB-20230221	09	2-21-23	0800	H2O	2								X				TRIP BLANK
											Samples received at		0 °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	STEPHEN STAUFFER	AQ	2-21-23	1643
Received by: [redacted]	ANHPHAN	FSB	02/21/23	16:48
Relinquished by:				
Received by:				

DW

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 6, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 22, 2023 from the Carson Cleaners 212280-01.01, F&BI 302321 project. There are 12 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data
ACQ0306R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302321 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302321 -01	CC-AA-01-20230222
302321 -02	CC-IA-01-20230222
302321 -03	CC-IA-02-20230222
302321 -04	CC-IA-03-20230222
302321 -05	CC-IA-04-20230222
302321 -06	CC-SS-01-20230222
302321 -07	CC-SS-02-20230222
302321 -08	CC-SS-03B-20230222

All quality control requirements were acceptable.

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-AA-01-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-01
Date Analyzed:	02/27/23	Data File:	022716.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	88	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-IA-01-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-02
Date Analyzed:	02/27/23	Data File:	022717.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-IA-02-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-03
Date Analyzed:	02/27/23	Data File:	022718.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-IA-03-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-04
Date Analyzed:	02/27/23	Data File:	022719.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	93	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-IA-04-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-05
Date Analyzed:	02/28/23	Data File:	022720.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	92	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	0.46	0.12
Trichloroethene	0.37	0.068
Tetrachloroethene	<6.8	<1

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-SS-01-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-06 1/4.9
Date Analyzed:	02/28/23	Data File:	022721.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	94	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<1.3	<0.49
trans-1,2-Dichloroethene	<1.9	<0.49
cis-1,2-Dichloroethene	<1.9	<0.49
Trichloroethene	<0.53	<0.098
Tetrachloroethene	<33	<4.9

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-SS-02-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-07 1/4.9
Date Analyzed:	02/28/23	Data File:	022722.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	91	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<1.3	<0.49
trans-1,2-Dichloroethene	<1.9	<0.49
cis-1,2-Dichloroethene	<1.9	<0.49
Trichloroethene	<0.53	<0.098
Tetrachloroethene	<33	<4.9

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	CC-SS-03B-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Collected:	02/22/23	Lab ID:	302321-08 1/7.5
Date Analyzed:	02/28/23	Data File:	022723.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	104	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<1.9	<0.75
trans-1,2-Dichloroethene	<3	<0.75
cis-1,2-Dichloroethene	<3	<0.75
Trichloroethene	1.5	0.28
Tetrachloroethene	99	15

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	Carson Cleaners 212280-01.01
Date Collected:	Not Applicable	Lab ID:	03-0356 MB
Date Analyzed:	02/27/23	Data File:	022712.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	90	70	130

Compounds:	Concentration ug/m3	ppbv
Vinyl chloride	<0.26	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1
Trichloroethene	<0.11	<0.02
Tetrachloroethene	<6.8	<1

Date of Report: 03/06/23
Date Received: 02/22/23
Project: Carson Cleaners 212280-01.01, F&BI 302321

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 302352-02 1/5.1 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Vinyl chloride	ug/m3	<1.3	<1.3	nm
trans-1,2-Dichloroethene	ug/m3	<2	<2	nm
cis-1,2-Dichloroethene	ug/m3	<2	<2	nm
Trichloroethene	ug/m3	<0.55	<0.55	nm
Tetrachloroethene	ug/m3	<35	<35	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Vinyl chloride	ug/m3	35	100	70-130
trans-1,2-Dichloroethene	ug/m3	54	98	70-130
cis-1,2-Dichloroethene	ug/m3	54	95	70-130
Trichloroethene	ug/m3	73	102	70-130
Tetrachloroethene	ug/m3	92	105	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

302321

SAMPLE CHAIN OF CUSTODY

02/22/23

Page # 1 of 1

Report To JENNIFER MARSALLA
Company ANCHOR QEA
Address 1201 3RD AVE, #2600
City, State, ZIP SEATTLE, WA 98101
Phone 206 287 9130 Email LABDATAATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) SBS

PROJECT NAME & ADDRESS: CARSON CLEANERS

PO # 212280-01.01

NOTES:

INVOICE TO LABDATAATTACH@ANCHORQEA.COM

TURNAROUND TIME: (Standard) / RUSH
Rush charges authorized by:

SAMPLE DISPOSAL: (Default) Clean following final report delivery / Hold (Fee may apply):

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium		Notes
CC- AA-01-20230222	01	37224	06608	(IA) / SG	2-22-23	30.0	0730	6.0	1600			X				AMBIENT (OUTDOOR) AIR 8 HOUR TWA
CC- IA-01-2023 0222	02	21484	08183	(IA) / SG	↓	30.0	0735	5.0	1540			X				INDOOR AIR 8 HOUR TWA
CC- IA-02-2023 0222	03	37203	07851	(IA) / SG		30.0	0800	7.0	1610			X				↓
CC- IA-03-2023 0222	04	35339	05350	(IA) / SG		28.5	0740	5.0	1540			X				
CC- IA-04-2023 0222	05	40709	07647	(IA) / SG		29.0	0900	5.0	1700			X				INDOOR AIR 8 HOUR TWA
CC- SS-01-2023 0222	06	2436	243	IA / (SG)		30.0	1034	3.0	1040			X				SUB-SLAB GRAB
CC- SS-02-2023 0222	07	3672	02	IA / (SG)	↓	28.5	1332 → 0932	3.0	1342			X				↓
CC- SS-03-2023 0222	08	3258	73	IA / (SG)	2-22-23	29.0	0950	3.0	0956			X				SUB-SLAB GRAB

SB

per JM 2/23/23 AE - 3/2/23 AE

DW

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN SMITH	STEPHEN SMITH	ANCHOR QEA	2-22-23	1725
Received by:	VIV HA	FB	2-22-23	1825
Relinquished by:				
Received by:				

FORMS\COC\COCTO-15.DOC

Samples received at 18 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 8, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 22, 2023 from the Carson Cleaners 212280-01.01, F&BI 302322 project. There are 7 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data, Jennifer Marsalla
ACQ0308R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 22, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302322 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302322 -01	TB-20230222
302322 -02	CC-MW-2S-GW-20230222
302322 -03	CC-MW-2D-GW-20230222

All quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	TB-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	03/06/23	Lab ID:	302322-01
Date Analyzed:	03/06/23	Data File:	030623.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	110	71	132
Toluene-d8	108	68	139
4-Bromofluorobenzene	106	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-2S-GW-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/23/23	Lab ID:	302322-02
Date Analyzed:	02/23/23	Data File:	022326.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	95	78	126
Toluene-d8	100	84	115
4-Bromofluorobenzene	100	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	0.14

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-2D-GW-20230222	Client:	Anchor QEA
Date Received:	02/22/23	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/23/23	Lab ID:	302322-03
Date Analyzed:	02/23/23	Data File:	022327.D
Matrix:	Water	Instrument:	GCMS11
Units:	ug/L (ppb)	Operator:	LM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	92	78	126
Toluene-d8	94	84	115
4-Bromofluorobenzene	97	72	130

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	0.06
Tetrachloroethene	1.9

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	Carson Cleaners 212280-01.01
Date Extracted:	02/23/23	Lab ID:	03-0348 mb
Date Analyzed:	03/06/23	Data File:	030621.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	97	71	132
Toluene-d8	106	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Date of Report: 03/08/23
Date Received: 02/22/23
Project: Carson Cleaners 212280-01.01, F&BI 302322

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	101	100	70-130	1
trans-1,2-Dichloroethene	ug/L (ppb)	10	107	104	70-130	3
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	105	70-130	3
Trichloroethene	ug/L (ppb)	10	105	103	70-130	2
Tetrachloroethene	ug/L (ppb)	10	102	101	70-130	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

302307 (NP) 302392

SAMPLE CHAIN OF CUSTODY

02/22/23 VW2, Page # ____ of 1

Report To JENIFER MARSALA

Company ANCHOR QEA

Address 1201 3RD AVE #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH @ ANCHOR QEA.COM

SAMPLERS (*signature*) SBS

PROJECT NAME: CARSON CLEANERS

PO #: 217280-01.05

REMARKS

Project specific RLs? - (Yes) / No

INVOICE TO: LABDATAATTACH@ANCHOR QEA.COM

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- (Default) Dispose after 30 days

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOCS				Notes
TB-20230222	01 A B	2-22-23	0800	H_2O	2								X				TRIP BLANK
CC-MW-2S-20230222	02 A-C	↓	1555	H_2O	3								X				GROUNDWATER
CC-MW-2D-20230222	03 A-C	2-22-23	1555	H_2O	3								X				GROUNDWATER
~~	55	2-22-23															

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN STREET	STEPHEN STREET	ANCHOR QEA	2-22-23	1725
Received by:	VIONT	FPBI	2-22-23 (ND)	1725
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Vineta Mills, M.S.
Eric Young, B.S.

5500 4th Avenue South
Seattle, WA 98108
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

March 10, 2023

Lab Data Attachments, Project Manager
Anchor QEA
1201 3rd Ave, Suite 2600
Seattle, WA 98101

Dear Lab Data Manager:

Included are the results from the testing of material submitted on February 23, 2023 from the Carson Cleaners 212280-01.01, F&BI 302330 project. There are 16 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days, or as directed by the Chain of Custody document. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl
Project Manager

Enclosures
c: Anchor Lab Data, Jennifer Marsalla
ACQ0310R.DOC

CASE NARRATIVE

This case narrative encompasses samples received on February 23, 2023 by Friedman & Bruya, Inc. from the Anchor QEA Carson Cleaners 212280-01.01, F&BI 302330 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Anchor QEA
302330 -01	TB-20230223
302330 -02	CC-MW-4D-GW-20230223
302330 -03	CC-MW-03-GW-20230223
302330 -04	CC-MW-06-GW-20230223
302330 -05	BP-MW-08-GW-20230223
302330 -06	BP-MW-27-GW-20230223
302330 -07	BP-MW-1027-GW-20230223
302330 -08	BP-MW-28-GW-20230223
302330 -09	BP-MW-29-GW-20230223

The tetrachloroethene detection in sample CC-MW-03-GW-20230223 may be due to carryover from a previous high concentration injection. There was insufficient sample for reanalysis. The data were flagged accordingly.

All other quality control requirements were acceptable.

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	TB-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-01
Date Analyzed:	03/03/23	Data File:	030322.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	104	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-4D-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-02
Date Analyzed:	03/03/23	Data File:	030325.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	106	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	102	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	0.27
cis-1,2-Dichloroethene	1.5
Trichloroethene	0.27

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-4D-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-02
Date Analyzed:	03/09/23	Data File:	030912.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	96	71	132
Toluene-d8	100	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Tetrachloroethene	0.10

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-03-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-03
Date Analyzed:	03/03/23	Data File:	030323.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	105	68	139
4-Bromofluorobenzene	106	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	0.063 c

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	CC-MW-06-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-04
Date Analyzed:	03/03/23	Data File:	030324.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	107	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-08-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-05
Date Analyzed:	03/03/23	Data File:	030326.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	105	68	139
4-Bromofluorobenzene	108	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	0.24
Tetrachloroethene	18

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-27-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-06
Date Analyzed:	03/03/23	Data File:	030327.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	104	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	105	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.04
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	0.074
Trichloroethene	0.31
Tetrachloroethene	48

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-1027-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-07
Date Analyzed:	03/03/23	Data File:	030329.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	103	71	132
Toluene-d8	102	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	0.039
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	0.073
Trichloroethene	0.29
Tetrachloroethene	47

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-28-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-08
Date Analyzed:	03/03/23	Data File:	030328.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	71	132
Toluene-d8	103	68	139
4-Bromofluorobenzene	103	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	0.16
Trichloroethene	0.29
Tetrachloroethene	25

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-29-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-09
Date Analyzed:	03/03/23	Data File:	030330.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	109	71	132
Toluene-d8	104	68	139
4-Bromofluorobenzene	105	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	BP-MW-29-GW-20230223	Client:	Anchor QEA
Date Received:	02/23/23	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	302330-09
Date Analyzed:	03/09/23	Data File:	030909.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	98	71	132
Toluene-d8	97	68	139
4-Bromofluorobenzene	101	62	136

Compounds:	Concentration ug/L (ppb)
Tetrachloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	03-0368 mb
Date Analyzed:	03/03/23	Data File:	030313.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	93	71	132
Toluene-d8	94	68	139
4-Bromofluorobenzene	105	62	136

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05

Analysis For Volatile Compounds By EPA Method 8260D Dual Acquisition

Client Sample ID:	Method Blank	Client:	Anchor QEA
Date Received:	Not Applicable	Project:	212280-01.01, F&BI 302330
Date Extracted:	03/03/23	Lab ID:	03-0368 mb2
Date Analyzed:	03/09/23	Data File:	030911.D
Matrix:	Water	Instrument:	GCMS13
Units:	ug/L (ppb)	Operator:	lm

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	89	71	132
Toluene-d8	88	68	139
4-Bromofluorobenzene	98	62	136

Compounds:	Concentration ug/L (ppb)
Tetrachloroethene	<0.05

Date of Report: 03/10/23
Date Received: 02/23/23
Project: Carson Cleaners 212280-01.01, F&BI 302330

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR VOLATILES BY EPA METHOD 8260D

Laboratory Code: 302330-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Vinyl chloride	ug/L (ppb)	10	<0.02	98	16-176
trans-1,2-Dichloroethene	ug/L (ppb)	10	0.27	108	50-150
cis-1,2-Dichloroethene	ug/L (ppb)	10	1.5	112	50-150
Trichloroethene	ug/L (ppb)	10	0.27	103	43-133
Tetrachloroethene	ug/L (ppb)	10	0.16	100	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Vinyl chloride	ug/L (ppb)	10	96	99	70-130	3
trans-1,2-Dichloroethene	ug/L (ppb)	10	106	108	70-130	2
cis-1,2-Dichloroethene	ug/L (ppb)	10	108	111	70-130	3
Trichloroethene	ug/L (ppb)	10	105	105	70-130	0
Tetrachloroethene	ug/L (ppb)	10	100	100	70-130	0

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria, biased high; or, the calibration results for the analyte were outside of acceptance criteria, biased high, with a detection for the analyte in the sample. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the standard reporting limit. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

k – The calibration results for the analyte were outside of acceptance criteria, biased high, and the analyte was not detected in the sample.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

SAMPLE CHAIN OF CUSTODY

302330 — 02/23/23 — RWS

Report To JENNIFER MARSALLA
Company ANCHOR QEA
Address 1201 3RD AVE #2600
City, State, ZIP SEATTLE, WA 98101
Phone 2062879130 Email LABDATA ATTACH @ ANCHOR QEA. COM

SAMPLERS (*signature*) SRS

PROJECT NAME: CARSON CLEANERS
PO #: 217250-01.01

REMARKS
Project specific RLs? - (Yes) / No

INVOICE TO: LAB DATA ATTACH @ ANCHOR QEA. COM

Page # 1 of 1

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
~~Default: Dispose after 30 days~~

Sample ID (-GW added per JM 3/2/23 at)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOCs				Notes
TB-20230223	01 A-B	2-23-23	0800	H_2O	2								X				TRIP BLANK
CC-MW-4D-GW-20230223	02 A-C	↓	0915		3								X				GROUNDWATER
CC-MW-03-GW-20230223	03 A-B	2-23-23	1225		2								X				GROUNDWATER (WELL CAP BROKE, ONLY 2 VOA
CC-MW-06-GW-20230223	04 A-C		1200		3								Y				GROUNDWATER
BP-MW-08-GW-20230223	05		0925		3								Y				↓
BP-MW-27-GW-20230223	06		1045		3								X				
BP-MW-10D-GW-20230223	07	↓	1050		3								Y				
BP-MW-28-GW-20230223	08	2-23-23	1055	↓	3								X				↓
BP-MW-29-GW-20230223	09	2-23-23	1355	H_2O	3								X				GROUNDWATER

ANALYSES REQUESTED

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN SMITH	STEPHEN SMITH	ANCHOR QEA	2-23-23	1433
Received by:	ANH PHAN	FSB	02/23/23	14:33
Relinquished by:				
Received by:				

Samples received at 0 °C

DW Friedman & Bruya, Inc.
Ph. (206) 285-8282

F&B Project 212114

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

SAMPLE CHAIN OF CUSTODY

20 212114

12/07/22

Page # 1 of 1

Report To JENNIFER KUNISAKA

Company ANCHOR QEA

Address 1201 3RD AVE # 2600

City, State, ZIP SEATTLE, WA, 98101

Phone 2062879130 Email LAB DATA ATTACH @ ANCHORQEA.COM

SAMPLERS (*signature*) SBS	
PROJECT NAME & ADDRESS CARSON CLEANERS	PO # 212280-01.01
NOTES: SEE QAPP FOR PROJECT SPECIFIC DETAILS	INVOICE TO LAB DATA ATTACH @ ANCHORQEA.COM

TURNAROUND TIME
Standard
RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
Default: Clean following final report delivery
Hold (Fee may apply):

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium		Notes
CC-IA-04-20221207	01	407C3	05348	(IA) / SG	12-7-22	30	0905	5	1710			X				
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN STUEHL	STEPHEN STUEHL	ANCHOR QEA	12-7-22	1755
Received by: BISRAT	BISRAT TADESSE	FBI	12/07/22	1755
Relinquished by:				
Received by:				

Samples received at 4°C

NP

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 212114 CLIENT Anchor QEA INITIALS/ DATE: K 12/07/12

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 16 °C

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
- ☒ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☒ Yes	☐ No	# of Containers	☒ Yes	☐ No
Date Sampled	☒ Yes	☐ No	Relinquished	☒ Yes	☐ No
Time Sampled	☐ Yes	☐ No	Requested analysis	☒ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Air Samples: Were any additional canisters received? ☐ NA ☐ YES ☒ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters 6

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

TO-15 EXTRACTION WORKSHEET (AIR)

HT_____

Project #: 212114 | Date Received: 12/7/22

Client: ACQ | Date Extracted: 12/13/22

QC Batch ID: 052-2958 | Date Analyzed: _____

Samples checked against COC K | GCMS ☑7 ☐8, Seq. Date _____

Sample Type:
- ☐ Soil Gas
- ☒ Indoor Air
- ☐ Other_____

Due Date: 12/21

Requested Analytes:
- ☐ TO-15 Full List (sDF=3.3)
- ☐ cVOCs (sDF=10)
- ☐ APH (sDF=39)
- ☐ BTEX (sDF=33)
- ☐ Naphthalene (sDF=3.3)
- ☐ EDB,EDC,Hex,MTBE (sDF=10)
- ☒ Other PCE + Daughters

sDF = Acceptable Dilution Factor For Soil Gas
iDF = Acceptable Dilution Factor For Indoor Air

Reporting Units:
- ☒ µg/m3
- ☐ Other_____
- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Screen Samples First

Sample ID	Canister ID	Initial Vacuum (P_i)	Final Vacuum (P_f)	Initial Dilution Factor	Volume Injected (cc)	Final Dilution Factor	Observations
01	40703				250	FS	
K	12/13/22						
Initials							

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	NA			
Other							
Internal Standard(s)/ Surrogate(s)	✓	50 cc	50 ppbv	TO-15 IS/Surr Mix	68-302	K	12/13
Other							

Project Leader Initials: MG

NOTES: _____

Calculated by K 12/16/22 | Reviewed by YA 12/16/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 12-13-22 13:10 Technician: Bat

QA Batch: **O2-2958**

Matrix
- ☐ Soil
- ☐ Water
- ☐ Product
- ☐ Wipe
- ☑ Other Air

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other T015/APH/Gx

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) FL Cu Silica	Filter	H_2SO_4	Observations
MB		250								
LCS (T015)		25								
LCS (APH)		150								
LCS (Gx)		20								
212012-01		75								
212012-01 Dup		75								
"	12/13/22									
Initials										

Samples in Batch

212152-01	211406-03	212012-01	211402-01	
" -02	212010-01	212007-01	" -02	
211406-01	" -02	212062-01	" -03	
" -02	212114-~~02~~ -01 12/13	" -02	" -04	

Date/Initials

Matrix Spikes: 25cc ~~µL~~ of 25 ppbv ~~ppm~~ of T015 ccv/LCS — Lot # 67-196A — 12/13/22 BT
(Amount / Concentration / Analytes and Solvent)

Matrix Spikes: 150cc ~~µL~~ of 112.5 ug/m³ ~~ppm~~ of APH LCS — Lot # 68-6B

MS Surrogates: 20 cc ~~µL~~ of 1,500 ppbv ~~ppm~~ of Gx ccv/LCS — Lot # 68-30B

Internal Standards: 50cc ~~µL~~ of 50 ppbv ~~ppm~~ of T015 IS/SURR/BFB — Lot # 68-35A

Notes:

EPA TO-15
MDLs

Reported MDL Data and Calculations

Converted from Reported Air MDLs ppb

Analysis:	TO-15	Standard(s) spiked:	
Matrix:	Air	Volume spiked:	
Instrument ID:	GCMS #7	Date(s) Extracted:	3/22/2021, 03/30/21,
Reporting Units:	ug/m3	Date(s) Analyzed:	3/24/2021, 03/30/21,
		Date Calculated:	3/24/21, 04/01/21, 0
		Calculation Analyst:	BAT, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Propene	0.4304	0.8608	2.1520	0.1436	0.2838	0.1721	165
Dichlorodifluoromethane	0.2791	0.5581	1.3953	0.0931	0.5316	0.4945	108
Chloromethane	0.0643	0.1287	0.3217	0.0215	0.2424	0.2065	117
F-114	0.1664	0.3329	0.8322	0.0555	0.7113	0.6991	102
Vinyl chloride	0.0242	0.0484	0.1211	0.0081	0.0572	0.0511	112
1,3-Butadiene	0.0239	0.0478	0.1195	0.0080	0.0512	0.0442	116
Butane	2.1383	4.2766	10.6914	0.7132	4.7542	4.7542	100
Bromomethane	3.8203	7.6405	19.1014	1.2743	8.9606	7.7661	115
Chloroethane	0.0776	0.1552	0.3881	0.0259	0.2599	0.2638	99
Vinyl Bromide	0.1004	0.2007	0.5018	0.0335	0.3921	0.4375	90
Ethanol	4.2256	8.4511	21.1278	1.4095	4.3394	3.7685	115
Acrolein	0.0494	0.0987	0.2468	0.0165	0.1166	0.1146	102
Pentane	3.1981	6.3962	15.9904	1.0667	5.4183	5.9018	92
Trichlorofluoromethane	0.1954	0.3908	0.9770	0.0652	0.5899	0.5618	105
Acetone	1.8530	3.7061	9.2652	0.6181	5.0716	4.7509	107
2-Propanol	2.0247	4.0494	10.1235	0.6754	4.7622	4.9162	97
1,1-Dichloroethene	0.0568	0.1136	0.2840	0.0189	0.1056	0.0793	133
trans-1,2-Dichloroethene	0.0347	0.0693	0.1733	0.0116	0.0902	0.0793	114
Methylene chloride	3.1799	6.3599	15.8997	1.0607	7.5608	6.9472	109
t-Butyl alcohol (TBA)	3.2671	6.5343	16.3357	1.0898	5.9940	6.0630	99
3-Chloropropene	2.4590	4.9180	12.2951	0.8202	6.1177	6.2601	98
CFC-113	0.3043	0.6085	1.5213	0.1015	0.7606	0.7664	99
Carbon disulfide	3.6241	7.2482	18.1206	1.2088	6.4956	6.2282	104
Methyl t-butyl ether (...	3.7340	7.4680	18.6700	1.2455	6.8231	7.2106	95
Vinyl acetate	3.5615	7.1230	17.8075	1.1880	6.4933	7.0421	92
1,1-Dichloroethane	0.0219	0.0439	0.1097	0.0073	0.0885	0.0809	109
cis-1,2-Dichloroethene	0.0362	0.0724	0.1809	0.0121	0.0877	0.0793	111
Hexane	3.3258	6.6517	16.6292	1.1094	6.4027	7.0495	91
Chloroform	0.0366	0.0733	0.1832	0.0122	0.1056	0.0977	108
Ethyl acetate	3.2257	6.4514	16.1285	1.0759	7.4096	7.2074	103
Tetrahydrofuran	0.1553	0.3106	0.7764	0.0518	0.2739	0.2949	93
2-Butanone (MEK)	3.0782	6.1565	15.3912	1.0268	5.6921	5.8986	97
1,2-Dichloroethane (EDC)	0.0331	0.0661	0.1654	0.0110	0.0870	0.0809	108
1,1,1-Trichloroethane	0.0417	0.0834	0.2085	0.0139	0.1214	0.1091	111
Carbon tetrachloride	0.0659	0.1318	0.3296	0.0220	0.1431	0.1258	114
Benzene	0.0289	0.0579	0.1447	0.0097	0.0747	0.0639	117
Cyclohexane	3.1077	6.2153	15.5383	1.0366	6.3955	6.8843	93
1,2-Dichloropropane	0.0804	0.1609	0.4022	0.0268	0.4829	0.4621	105
1,4-Dioxane	0.0795	0.1590	0.3974	0.0265	0.3383	0.3604	94
2,2,4-Trimethylpentane	2.6817	5.3634	13.4086	0.8945	9.1600	9.3440	98
Methyl Methacrylate	2.5467	5.0933	12.7334	0.8495	8.6679	8.1898	106
Heptane	2.0853	4.1706	10.4265	0.6956	8.1054	8.1971	99
Bromodichloromethane	0.0363	0.0726	0.1816	0.0121	0.1550	0.1340	116
Trichloroethene	0.0515	0.1030	0.2574	0.0172	0.1223	0.1075	114
cis-1,3-Dichloropropene	0.2049	0.4097	1.0244	0.0683	0.5180	0.4539	114
4-Methyl-2-pentanone	2.2479	4.4958	11.2395	0.7498	8.5541	8.1930	104
trans-1,3-Dichloropropene	0.0619	0.1238	0.3095	0.0206	0.4726	0.4539	104
Toluene	0.0794	0.1589	0.3972	0.0265	0.3825	0.3769	102
1,1,2-Trichloroethane	0.0287	0.0573	0.1433	0.0096	0.1214	0.1091	111
2-Hexanone	2.1976	4.3952	10.9880	0.7330	8.5259	8.1930	104
Tetrachloroethene	0.1446	0.2891	0.7229	0.0482	0.7910	0.6782	117
Dibromochloromethane	0.0528	0.1055	0.2638	0.0176	0.1991	0.1704	117
1,2-Dibromoethane (EDB)	0.0519	0.1037	0.2594	0.0173	0.1671	0.1537	109
Chlorobenzene	0.1180	0.2361	0.5902	0.0394	0.4627	0.4604	101
Ethylbenzene	0.1285	0.2570	0.6425	0.0429	0.3582	0.4342	83
1,1,2,2-Tetrachloroethane	0.0479	0.0957	0.2394	0.0160	0.1485	0.1373	108
Nonane	3.6205	7.2410	18.1025	1.2076	9.6995	10.4916	92
Isopropylbenzene	5.2598	10.5196	26.2991	1.7544	10.3796	9.8315	106
2-Chlorotoluene	4.8967	9.7934	24.4836	1.6333	10.6760	10.3550	103
Propylbenzene	4.3113	8.6226	21.5564	1.4381	9.8432	9.8315	100
4-Ethyltoluene	4.5322	9.0645	22.6612	1.5118	9.3866	9.8315	95
m,p-Xylene	0.2558	0.5115	1.2788	0.0853	0.6969	0.8685	80
o-Xylene	0.1536	0.3073	0.7682	0.0512	0.3479	0.4342	80
Styrene	0.1516	0.3033	0.7582	0.0506	0.3328	0.4260	78
Bromoform	0.5132	1.0265	2.5661	0.1712	0.9768	1.0337	95
Benzyl chloride	0.0310	0.0619	0.1549	0.0103	0.0951	0.1035	92
1,3,5-Trimethylbenzene	3.8218	7.6435	19.1088	1.2748	9.7332	9.8315	99
1,2,4-Trimethylbenzene	3.6101	7.2201	18.0504	1.2042	9.0732	9.8315	92
1,3-Dichlorobenzene	0.1088	0.2175	0.5438	0.0363	0.5764	0.6012	96
1,4-Dichlorobenzene	0.1267	0.2534	0.6335	0.0423	0.5373	0.6012	89
1,2-Dichlorobenzene	0.1154	0.2308	0.5769	0.0385	0.5779	0.6012	96
1,2,4-Trichlorobenzene	0.5098	1.0196	2.5491	0.1701	0.7662	0.7421	103
Naphthalene	0.0931	0.1863	0.4657	0.0311	0.0976	0.1048	93
Hexachlorobutadiene	0.1081	0.2162	0.5405	0.0361	0.3146	0.2133	148
IA Napthalene	0.0271	0.0543	0.1357	0.0091	0.1212	0.1048	116
Gasoline Range Organics	29.6568	59.3135	148.2838	9.8922	332.9713	328.0000	102

EPA TO-15
Sequence Tables

Sequence Name: C:\msdchem\1\sequence\11-15-22.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\11-15-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info		
1)	Sample 1	111501	TO15DC	rinse
2)	Sample 2	111502	TO15DC	BFB 67-184a
3)	Sample 3	111503	TO15DC	25 ppbv std prime
4)	Sample 4	111504	TO15DC	25 ppbv scv prime
5)	Sample 5	111505	TO15DC	1.0 ppbv prime
6)	Sample 6	111506	TO15DC	0.1 ppbv prime
7)	Sample 7	111507	TO15DC	0.05 ppbv prime
8)	Sample 8	111508	TO15DC	0.02 ppbv prime
9)	Sample 9	111509	SRINSE	rinse, short
10)	Sample 10	111510	SRINSE	rinse, short
11)	Sample 11	111511	SRINSE	rinse, short
12)	Sample 12	111512	TO15DC	rinse
13)	Sample 13	111513	TO15DC	rinse
14)	Sample 14	111514	TO15DC	rinse
15)	Sample 15	111515	TO15DC	0.01 ppbv TO15 67-196e
16)	Sample 16	111516	TO15DC	0.01 ppbv 67-196e
17)	Sample 17	111517	TO15DC	0.02 ppbv 67-196e
18)	Sample 18	111518	TO15DC	0.05 ppbv 67-196D
19)	Sample 19	111519	TO15DC	0.1 ppbv 67-196c
20)	Sample 20	111520	TO15DC	0.2 ppbv 67-196B
21)	Sample 21	111521	TO15DC	0.5 ppbv 67-196B
22)	Sample 22	111522	TO15DC	1.0 ppbv 67-196B
23)	Sample 23	111523	TO15DC	2.5 ppbv 67-196a
24)	Sample 24	111524	TO15DC	4.0 ppbv 67-196a
25)	Sample 25	111525	TO15DC	5.0 ppbv 67-196a
26)	Sample 26	111526	TO15DC	8.0 ppbv 67-196a
27)	Sample 27	111527	TO15DC	10 ppbv 67-196a
28)	Sample 28	111528	TO15DC	15 ppbv 67-196a
29)	Sample 29	111529	TO15DC	rinse
30)	Sample 30	111530	TO15DC	rinse
31)	Sample 31	111531	TO15DC	2.5 ppbv 67-167a
32)	Sample 32	111532	TO15DC	rinse

Sample	1	rinse	TO15DC	111601	T1
Sample	2	BFB 67-184a	TO15DC	111602	T1
Sample	3	02-2755 lcs/ 2.5ppbv 67-196a	TO15DC	111603	cal line
Sample	4	5 ppbv APH 67-163a	TO15DC	111604	Line 2
Sample	*5*	*02-2755 lcs/ 67 ug/m3 67-160b*	*TO15DC*	*111605*	*Line 3*
Sample	*6*	*tree rinse*	*SRINSE*	*111606*	*T1*
Sample	7	tree rinse	SRINSE	*111607*	T1
Sample	8	rinse	TO15DC	111608	T1
Sample	9	rinse	TO15DC	111609	T1
Sample	10	02-2755 MB	TO15DC	111610	T1
Sample	11	211099-01	TO15DC	111611	T2
Sample	12	211099-02	TO15DC	111612	T3
Sample	13	211099-03	TO15DC	111613	T4
Sample	14	211099-04	TO15DC	111614	T5
Sample	15	211099-05	TO15DC	111615	T6
Sample	16	211099-06	TO15DC	111616	T7
Sample	17	211099-07	TO15DC	111617	T8
Sample	18	211099-08	TO15DC	111618	T9
Sample	19	rinse	TO15DC	111619	T1
Sample	20	211070-01 dup 1/5.3	TO15DC	111620	T10
Sample	21	211070-01 1/5.3	TO15DC	111621	T10
Sample	22	211070-02 1/5.1	TO15DC	111622	T11
Sample	23	211070-03 1/5.5	TO15DC	111623	T12
Sample	24	rinse	TO15DC	111624	T1
Sample	25	211069-03 1/4.8	TO15DC	111625	T13
Sample	*26*	*211069-02 1/4.8*	*TO15DC*	*111626*	*T14*
Sample	*27*	*211069-01 1/5.4*	*TO15DC*	*111627*	*T15*
Sample	28	rinse	TO15DC	111628	T1
Sample	29	211048-01 1/270	TO15DC	111629	Line 4
Sample	30	rinse	TO15DC	111630	T1
Sample	31	rinse	TO15DC	111631	T1

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Injection Log

Data Directory: D:\Proc_GCMS7\11-15-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 111501.D	TO15DC.M			
rinse	T1	1	1.000	15 Nov 2022 6:19 pm
2) 111502.D	TO15DC.M			
BFB 67-184a	T1	2	1.000	15 Nov 2022 6:54 pm
3) 111503.D	TO15DC.M			
25 ppbv std prime	cal line	3	1.000	15 Nov 2022 7:29 pm
4) 111504.D	TO15DC.M			
25 ppbv scv prime	T7	4	1.000	15 Nov 2022 8:04 pm
5) 111505.D	TO15DC.M			
1.0 ppbv prime	T6	5	1.000	15 Nov 2022 8:38 pm
6) 111506.D	TO15DC.M			
0.1 ppbv prime	T5	6	1.000	15 Nov 2022 9:14 pm
7) 111507.D	TO15DC.M			
0.05 ppbv prime	T4	7	1.000	15 Nov 2022 9:50 pm
8) 111508.D	TO15DC.M			
0.02 ppbv prime	T3	8	1.000	15 Nov 2022 10:27 pm
9) 111509.D	SRINSE.M			
rinse, short	T1	9	1.000	15 Nov 2022 11:06 pm
10) 111510.D	SRINSE.M			
rinse, short	T1	10	1.000	15 Nov 2022 11:42 pm
11) 111511.D	SRINSE.M			
rinse, short	T1	11	1.000	16 Nov 2022 12:18 am
12) 111512.D	TO15DC.M			
rinse	T1	12	1.000	16 Nov 2022 1:00 am
13) 111513.D	TO15DC.M			
rinse	T1	13	1.000	16 Nov 2022 1:44 am
14) 111514.D	TO15DC.M			
rinse	T1	14	1.000	16 Nov 2022 2:28 am
15) 111515.D	TO15DC.M			
0.01 ppbv TO15 67-..	T3, 125cc of 0.02..	15	1.000	16 Nov 2022 3:05 am
16) 111516.D	TO15DC.M			
0.01 ppbv 67-196e	T3, 125cc of 0.02..	16	1.000	16 Nov 2022 3:43 am
17) 111517.D	TO15DC.M			
0.02 ppbv 67-196e	T3, 250cc of 0.02p..	17	1.000	16 Nov 2022 4:27 am
18) 111518.D	TO15DC.M			
0.05 ppbv 67-196D	T4, 250cc of 0.05p..	18	1.000	16 Nov 2022 5:11 am
19) 111519.D	TO15DC.M			
0.1 ppbv 67-196c	T5, 250cc of 0.1ppbv	19	1.000	16 Nov 2022 5:54 am
20) 111520.D	TO15DC.M			
0.2 ppbv 67-196B	T6, 50cc of 1ppbv	20	1.000	16 Nov 2022 6:29 am
21) 111521.D	TO15DC.M			

0.5 ppbv 67-196B	T6, 125cc of 1ppbv	21	1.000	16 Nov 2022	7:07 am
22) 111522.D	TO15DC.M				
1.0 ppbv 67-196B	T6, 250cc of 1ppbv	22	1.000	16 Nov 2022	7:51 am
23) 111523.D	TO15DC.M				
2.5 ppbv 67-196a	cal line, 25cc of ..	23	1.000	16 Nov 2022	8:25 am
24) 111524.D	TO15DC.M				
4.0 ppbv 67-196a	cal line, 25cc of ..	24	1.000	16 Nov 2022	9:00 am
25) 111525.D	TO15DC.M				
5.0 ppbv 67-196a	cal line, 25cc of ..	25	1.000	16 Nov 2022	9:34 am
26) 111526.D	TO15DC.M				
8.0 ppbv 67-196a	cal line, 25cc of ..	26	1.000	16 Nov 2022	10:10 am
27) 111527.D	TO15DC.M				
10 ppbv 67-196a	cal line, 25cc of ..	27	1.000	16 Nov 2022	10:46 am
28) 111528.D	TO15DC.M				
15 ppbv 67-196a	cal line, 25cc of ..	28	1.000	16 Nov 2022	11:25 am
29) 111529.D	TO15DC.M				
rinse	T1	29	1.000	16 Nov 2022	12:08 pm
30) 111530.D	TO15DC.M				
rinse	T1	30	1.000	16 Nov 2022	12:52 pm
31) 111531.D	TO15DC.M				
2.5 ppbv 67-167a	T7, 25cc of 25ppbv	31	1.000	16 Nov 2022	1:27 pm

Sequence Name: D:\GCMS7\GCMS7_Data\12-13-22.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\12-13-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

MS 12/14

Line		Sample Name/Misc Info		
1)	Sample 1	121301	TO15DC	rinse
2)	Sample 2	121302	TO15DC	BFB 68-35a
3)	Sample 3	121303	TO15DC	02-2958 lcs/ 2.5 ppbv 67-196a
4)	Sample 4	121304	TO15DC	5 ppbv APH 67-195a
5)	Sample 5	121305	TO15DC	02-2958 lcs/ 2.5 ppbv 67-196a
6)	Sample 6	121306	TO15DC	02-2958 lcs/ 67 ug/ml 68-6b
7)	Sample 7	121307	TO15DC	02-2958 lcs/ 80 ppbv Gx 68-30
8)	Sample 8	121308	SRINSE	rinse, short
9)	Sample 9	121309	SRINSE	rinse, short
10)	Sample 10	121310	TO15DC	rinse
11)	Sample 11	121311	TO15DC	rinse
12)	Sample 12	121312	TO15DC	02-2958 MB
13)	Sample 13	121313	TO15DC	212152-02
14)	Sample 14	121314	TO15DC	212152-01
15)	Sample 15	121315	TO15DC	rinse
16)	Sample 16	121316	TO15DC	211406-03
17)	Sample 17	121317	TO15DC	211406-02
18)	Sample 18	121318	TO15DC	211406-01
19)	Sample 19	121319	TO15DC	rinse
20)	Sample 20	121320	TO15DC	212010-01
21)	Sample 21	121321	TO15DC	212010-02
22)	Sample 22	121322	TO15DC	rinse
23)	Sample 23	121323	TO15DC	212114-01
24)	Sample 24	121324	TO15DC	rinse
25)	Sample 25	121325	TO15DC	212012-01 1/5.0
26)	Sample 26	121326	TO15DC	212012-01 dup 1/5.0
27)	Sample 27	121327	TO15DC	rinse
28)	Sample 28	121328	TO15DC	212007-01 1/8.0
29)	Sample 29	121329	TO15DC	rinse
30)	Sample 30	121330	TO15DC	212062-01 1/4.6
31)	Sample 31	121331	TO15DC	212062-02 1/33
32)	Sample 32	121332	TO15DC	rinse
33)	Sample 33	121333	TO15DC	211402-01 1/5.8
34)	Sample 34	121334	TO15DC	211402-03 1/8.8
35)	Sample 35	121335	TO15DC	211402-04 1/560
36)	Sample 36	121336	TO15DC	211402-02 1/1100
37)	Sample 37	121337	TO15DC	rinse

Sample	1	rinse	TO15DC	121301	T1
Sample	2	BFB 68-35a	TO15DC	121302	T1
Sample	3	02-2958 lcs/ 2.5 ppbv 67-196a	TO15DC	121303	Cal line
Sample	4	5 ppbv APH 67-195a	TO15DC	121304	line 4
Sample	5	02-2958 lcs/ 2.5 ppbv 67-196a rr	TO15DC	121305	Cal line
Sample	6	02-2958 lcs/ 67 ug/ml 68-6b	TO15DC	121306	line 3
Sample	7	02-2958 lcs/ 80 ppbv Gx 68-30b	TO15DC	121307	line 3
Sample	8	rinse, short	SRINSE	121308	T1
Sample	9	rinse, short	SRINSE	121309	T1
Sample	10	rinse	TO15DC	121310	T1
Sample	11	rinse	TO15DC	121311	T1
Sample	12	02-2958 MB	TO15DC	121312	T1
Sample	13	212152-02	TO15DC	121313	T2
Sample	14	212152-01	TO15DC	121314	T3
Sample	15	rinse	TO15DC	121315	T1
Sample	16	211406-03	TO15DC	121316	T4
Sample	17	211406-02	TO15DC	121317	T5
Sample	18	211406-01	TO15DC	121318	T6
Sample	19	rinse	TO15DC	121319	T1
Sample	20	212010-01	TO15DC	121320	T7
Sample	21	212010-02	TO15DC	121321	T8
Sample	22	rinse	TO15DC	121322	T1
Sample	23	212114-01	TO15DC	121323	T9
Sample	24	rinse	TO15DC	121324	T1
Sample	25	212012-01 1/5.0	TO15DC	121325	T10
Sample	26	212012-01 dup 1/5.0	TO15DC	121326	T10
Sample	27	rinse	TO15DC	121327	T1
Sample	28	212007-01 1/8.0	TO15DC	121328	T11
Sample	29	rinse	TO15DC	121329	T1
Sample	30	212062-01 1/4.6	TO15DC	121330	T12
Sample	31	212062-02 1/33	TO15DC	121331	T13
Sample	32	rinse	TO15DC	121332	T1
Sample	33	211402-01 1/5.8	TO15DC	121333	T14
Sample	34	211402-03 1/8.8	TO15DC	121334	T15
Sample	35	211402-04 1/560	TO15DC	121335	T16
Sample	36	211402-02 1/1100	TO15DC	121336	line 4
Sample	37	rinse	TO15DC	121337	T1
Sample	38	rinse	TO15DC	121338	T1

12/13/22

20) 121320.D 212010-01		TO15DC.M T7	20	1.000	14 Dec 2022	2:29 am
21) 121321.D 212010-02		TO15DC.M T8	21	1.000	14 Dec 2022	3:17 am
22) 121322.D rinse		TO15DC.M T1	22	1.000	14 Dec 2022	4:01 am
23) 121323.D 212114-01		TO15DC.M T9	23	1.000	14 Dec 2022	4:48 am
24) 121324.D rinse		TO15DC.M T1	24	1.000	14 Dec 2022	5:32 am
25) 121325.D 212012-01 1/5.0		TO15DC.M T10	25	1.000	14 Dec 2022	6:07 am
26) 121326.D 212012-01 dup 1/5.0		TO15DC.M T10	26	1.000	14 Dec 2022	6:42 am
27) 121327.D rinse		TO15DC.M T1	27	1.000	14 Dec 2022	7:26 am
28) 121328.D 212007-01 1/8.0		TO15DC.M T11	28	1.000	14 Dec 2022	8:00 am
29) 121329.D rinse		TO15DC.M T1	29	1.000	14 Dec 2022	8:44 am
30) 121330.D 212062-01 1/4.6		TO15DC.M T12	30	1.000	14 Dec 2022	9:19 am
31) 121331.D 212062-02 1/33		TO15DC.M T13	31	1.000	14 Dec 2022	9:54 am
32) 121332.D rinse		TO15DC.M T1	32	1.000	14 Dec 2022	10:38 am
33) 121333.D 211402-01 1/5.8		TO15DC.M T14	33	1.000	14 Dec 2022	11:13 am
34) 121334.D 211402-03 1/8.8		TO15DC.M T15	34	1.000	14 Dec 2022	11:48 am
35) 121335.D 211402-04 1/560		TO15DC.M T16	35	1.000	14 Dec 2022	12:22 pm
36) 121336.D 211402-02 1/1100		TO15DC.M Catline 4	36	1.000	14 Dec 2022	12:57 pm
37) 121337.D rinse		TO15DC.M T1	37	1.000	14 Dec 2022	1:41 pm

Injection Log

Data Directory: D:\Proc_GCMS7\12-13-22\

SampleName	MiscInfo		Vial	Multiplier	Injection Time
1) 121301.D		TO15DC.M			
rinse	T1		1	1.000	13 Dec 2022 1:05 pm
2) 121302.D		TO15DC.M			
BFB 68-35a	T1		2	1.000	13 Dec 2022 1:40 pm
3) 121303.D		TO15DC.M			
02-2958 lcs/ 2.5 p..	Cal line		3	1.000	13 Dec 2022 2:15 pm
4) 121304.D		TO15DC.M			
5 ppbv APH 67-195a	line 4		4	1.000	13 Dec 2022 2:49 pm
5) 121305.D		TO15DC.M			
02-2958 lcs/ 2.5 p..	Cal line		5	1.000	13 Dec 2022 3:24 pm
6) 121306.D		TO15DC.M			
02-2958 lcs/ 67 ug..	line 3		6	1.000	13 Dec 2022 4:03 pm
7) 121307.D		TO15DC.M			
02-2958 lcs/ 80 pp..	line 3		7	1.000	13 Dec 2022 4:37 pm
8) 121308.D		SRINSE.M			
rinse, short	T1		8	1.000	13 Dec 2022 5:16 pm
9) 121309.D		SRINSE.M			
rinse, short	T1		9	1.000	13 Dec 2022 5:52 pm
10) 121310.D		TO15DC.M			
rinse	T1		10	1.000	13 Dec 2022 6:34 pm
11) 121311.D		TO15DC.M			
rinse	T1		11	1.000	13 Dec 2022 7:17 pm
12) 121312.D		TO15DC.M			
02-2958 MB	T1		12	1.000	13 Dec 2022 8:01 pm
13) 121313.D		TO15DC.M			
212152-02	T2		13	1.000	13 Dec 2022 8:51 pm
14) 121314.D		TO15DC.M			
212152-01	T3		14	1.000	13 Dec 2022 9:39 pm
15) 121315.D		TO15DC.M			
rinse	T1		15	1.000	13 Dec 2022 10:23 pm
16) 121316.D		TO15DC.M			
211406-03	T4		16	1.000	13 Dec 2022 11:12 pm
17) 121317.D		TO15DC.M			
211406-02	T5		17	1.000	13 Dec 2022 11:58 pm
18) 121318.D		TO15DC.M			
211406-01	T6		18	1.000	14 Dec 2022 12:47 am
19) 121319.D		TO15DC.M			
rinse	T1		19	1.000	14 Dec 2022 1:31 am

EPA TO-15
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 7 Sequence Date: 11-15-22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ RT	11-18-22
2nd source passed * See Note	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: - Carbon tetrachloride - raised RL to 2.5 ppbv
- Brominated analytes (Bromodichloromethane, Dibromochloromethane, Bromoform - raised RL to 2.5 ppbv
* - SCV out for Carbon tetrachloride & Bromoform "ca"
Low Benzyl Chloride "ca"

Attach this sheet to raw data package.

YA 11/21/22
Supervisor Initials and Date

TO-15/TO-17
Daily Checklist

Instrument: GC/MS 7 Sequence Date: 12-13-22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 24 hour shift	✓ KR	12-16-22
Internal Standards within limits 60%-140% of the CCV	✓	
Surrogate recoveries within limits (TO-15 only)	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

–

Attach this sheet to raw data package.

YA 12/16/22
Supervisor Initials and Date

EPA TO-15
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\11-15-22\111502.D
Tune Time : 15 Nov 2022 6:54 pm

Daily Calibration File : D:\Proc_GCMS7\11-15-22\111523.D

			(BFB)		
			60056	277968	243467
File	Sample	Surrogate Recovery %	Internal Standard Responses		
111516.D	0.01 ppbv	91	63553	284548	252181
111517.D	0.02 ppbv	93	62504	285561	252187
111518.D	0.05 ppbv	90	63103	281669	250812
111519.D	0.1 ppbv 6	90	62284	285873	251782
111520.D	0.2 ppbv 6	92	63282	281999	252889
111521.D	0.5 ppbv 6	98	62780	282561	247110
111522.D	1.0 ppbv 6	99	61897	280612	252262
111523.D	2.5 ppbv 6	107	60056	277968	243467
111524.D	4.0 ppbv 6	106	61124	281759	251020
111525.D	5.0 ppbv 6	108	60983	276283	244337
111526.D	8.0 ppbv 6	107	57898	276532	249716
111527.D	10 ppbv 67	107	58357	276208	247864
111528.D	15 ppbv 67	113	58999	278765	247324
111531.D	2.5 ppbv 6	105	61975	285054	252304

(fails) - fails 24hr time check * - fails criteria

Created: Fri Nov 18 15:30:42 2022 GCMS7

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\12-13-22\121302.D
Tune Time : 13 Dec 2022 1:40 pm

Daily Calibration File : D:\Proc_GCMS7\12-13-22\121305.D

T015
Page 1 of 2
h
12/16/22

File	Sample	Surrogate Recovery %	Internal Standard Responses		
	(BFB)		48772	210038	195417
121310.D	rinse	85	51236	202567	190129
121311.D	rinse	83	49663	192709	181786
121312.D	02-2958 MB	85	47986	191662	178213
121313.D	212152-02	86	46332	167565	167240
121314.D	212152-01	102	41973	164776	166063
121315.D	rinse	86	50242	206578	190741
121316.D	211406-03	89	50086	191070	191122
121317.D	211406-02	84	51533	194659	190393
121318.D	211406-01	88	49224	191720	193904
121319.D	rinse	86	52053	204528	190843
121320.D	212010-01	88	50302	179242	189011
121321.D	212010-02	96	49397	197147	205641
121322.D	rinse	84	50656	203871	188614
121323.D	212114-01	87	52144	194483	192451
121324.D	rinse	86	50313	201753	187393
121325.D	212012-01	84	51119	205145	187844
121326.D	212012-01	84	52065	208818	192391
121327.D	rinse	86	51211	205372	190073
121328.D	212007-01	84	50546	203107	184518

121329.D	rinse	86	51266	203096	186352
121330.D	212062-01	85	51176	211278	186904
121331.D	212062-02	91	52059	212689	193939
121332.D	rinse	84	50400	203195	192076
121333.D	211402-01	85	50567	204413	189094
121334.D	211402-03	86	51115	203564	188311
121335.D	211402-04	82	49475	205821	189056
121336.D	211402-02	83	49016	203480	186752
121337.D (fails)	rinse	83	51712	201591	192633

(fails) - fails 24hr time check * - fails criteria

Created: Fri Dec 16 11:26:18 2022 GCMS7

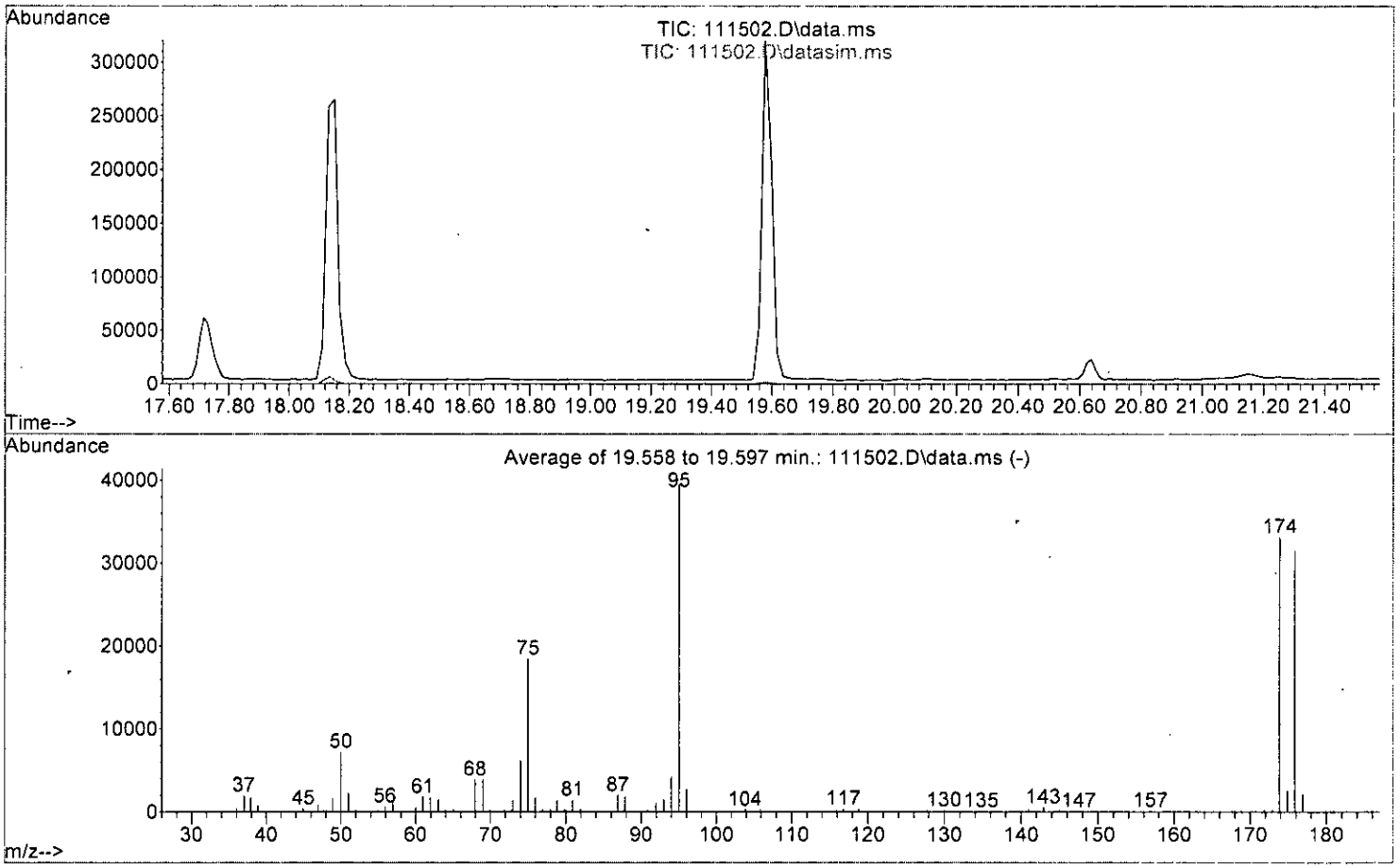
12/16/22

EPA TO-15
Tune Summaries

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111502.D
Acq On : 15 Nov 2022 6:54 pm
Operator : bat
Sample : BFB 67-184a
Misc : T1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022



AutoFind: Scans 791, 792, 793; Background Corrected with Scan 787

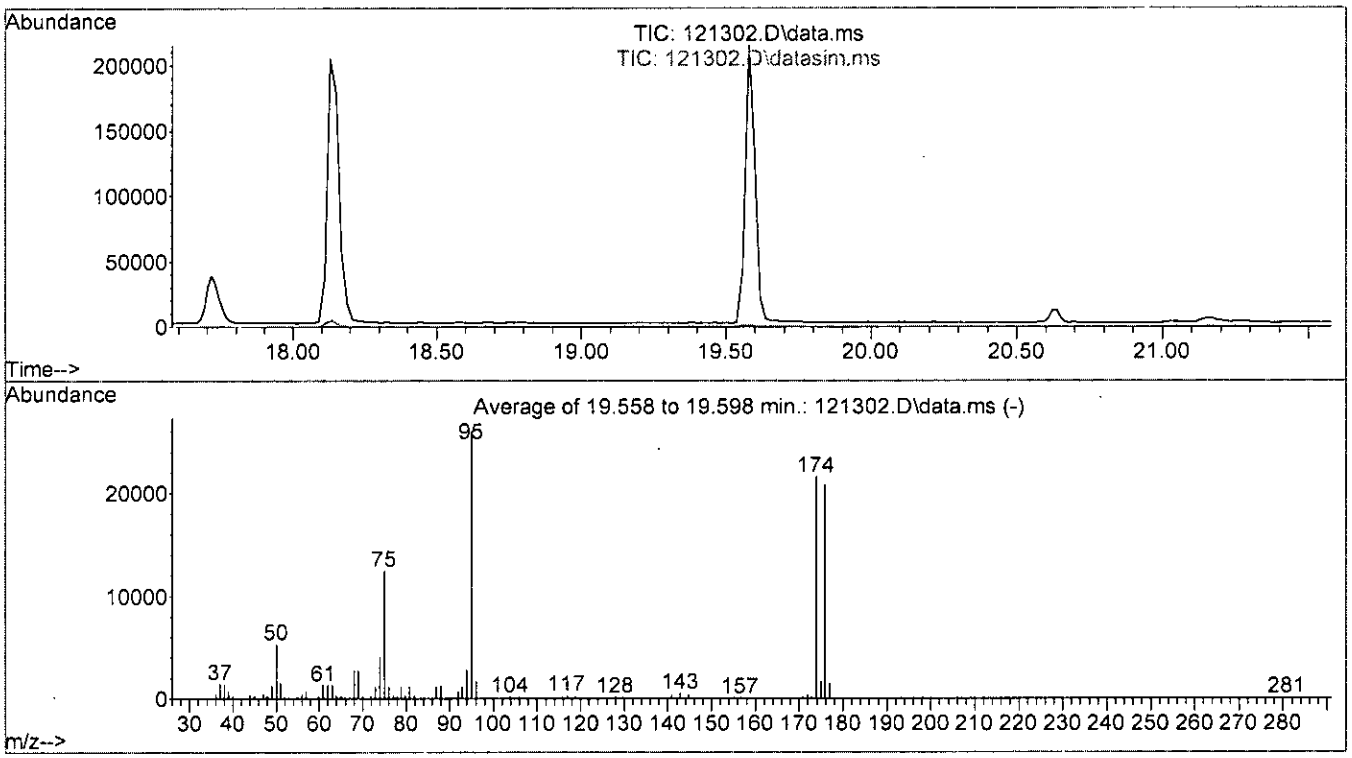
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	7157	PASS
75	95	30	66	46.8	18431	PASS
95	95	100	100	100.0	39397	PASS
96	95	5	9	6.6	2599	PASS
173	174	0.00	2	0.5	155	PASS
174	95	50	120	84.0	33111	PASS
175	174	4	9	7.3	2426	PASS
176	174	93	101	94.8	31402	PASS
177	176	5	9	6.4	2022	PASS

BFB

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121302.D
Acq On : 13 Dec 2022 1:40 pm
Operator : bat
Sample : BFB 68-35a
Misc : T1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022



AutoFind: Scans 791, 792, 793; Background Corrected with Scan 787

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	20.4	5292	PASS
75	95	30	66	47.8	12412	PASS
95	95	100	100	100.0	25963	PASS
96	95	5	9	6.5	1694	PASS
173	174	0.00	2	0.6	125	PASS
174	95	50	120	83.0	21539	PASS
175	174	4	9	7.6	1636	PASS
176	174	93	101	96.4	20753	PASS
177	176	5	9	6.7	1394	PASS

EPA TO-15
Initial Calibrations

Response Factor Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

Calibration Files
0.01=111516.D 0.02=111517.D 0.05=111518.D 0.1 =111519.D 0.2 =111520.D 0.5 =111521.D 1 =111522.D 2.5 =111523.D 4 =111524.D 5 =111525.D
8 =111526.D 10 =111527.D 15 =111528.D

	Compound	0.01	0.02	0.05	0.1	0.2	0.5	1	2.5	4	5	8	10	15	Avg	%RSD
1)	I Bromochloromethane	----------ISTD----------														
2)	TMP Propene				2.649	2.051	1.351	1.369	1.420	1.357	1.349	1.308	1.354	1.346	1.556	28.46
3)	TMP Dichlorodifluo...			5.176	3.675	3.922	3.590	4.079	4.329	4.134	4.056	4.205	4.125	4.057	4.123	9.98
4)	TMP Chloromethane					2.325	1.964	1.935	1.899	1.807	1.778	1.786	1.743	1.706	1.882	9.97
5)	TMP F-114			5.258	4.602	4.075	4.359	4.045	4.206	4.002	4.036	4.059	3.892	3.855	4.217	9.61
6)	TMP Vinyl chloride		2.744	2.003	1.864	1.795	1.701	1.699	1.827	1.739	1.704	1.734	1.718	1.680	1.851	16.00
7)	TMP 1,3-Butadiene		1.904	1.318	1.203	1.104	1.074	1.067	1.188	1.131	1.127	1.164	1.159	1.154	1.216	18.63
8)	TMP Butane						2.071	2.263	2.308	2.148	2.200	2.131	2.196	2.146	2.183	3.47
9)	TMP Bromomethane				2.702	1.784	1.856	1.853	1.858	1.692	1.662	1.700	1.713	1.651	1.847	16.85
10)	TMP Chloroethane				0.727	0.646	0.637	0.643	0.698	0.646	0.637	0.642	0.647	0.623	0.655	4.91
11)	TMP Vinyl bromide			1.689	1.663	1.523	1.647	1.479	1.698	1.592	1.555	1.761	1.561	1.535	1.609	5.46
12)	TMP Ethanol						0.726	0.813	0.720	0.652	0.582	0.594	0.558	0.661	0.663	13.04
13)	TMP Acrolein			0.865	1.117	0.708	0.692	0.722	0.658	0.646	0.639	0.647	0.663	0.660	0.729	19.75
14)	TMP Pentane						2.519	2.295	2.631	2.544	2.421	2.503	2.440	2.331	2.461	4.54
15)	TMP Trichlorofluor...				4.654	4.969	4.775	4.761	5.185	4.858	4.722	4.749	4.617	4.524	4.781	3.93
16)	TMP Acetone						0.910	0.819	0.785	0.654	0.630	0.635	0.633	0.617	0.710	15.73
17)	TMP 2-Propanol						3.033	2.963	3.236	3.044	3.013	3.198	3.182	3.099	3.096	3.20
18)	TMP 1,1-Dichloroet...		2.344	1.990	1.652	1.639	1.527	1.509	1.622	1.523	1.502	1.506	1.486	1.442	1.645	15.99
19)	TMP trans-1,2-Dich...		2.128	1.784	1.585	1.600	1.520	1.446	1.618	1.527	1.498	1.513	1.497	1.457	1.598	11.90
20)	TMP Methylene chlo...						1.471	1.552	1.634	1.470	1.488	1.466	1.384	1.366	1.479	5.80
21)	TMP t-Butyl alcoho...						2.568	2.433	2.639	2.698	2.743	2.742	2.756	2.764	2.668	4.36
22)	TMP 3-Chloropropene					2.027	1.872	1.794	2.083	2.107	2.194	2.159	2.134	2.134	2.056	6.63
23)	TMP CFC-113			3.981	3.171	3.670	3.473	3.137	3.751	3.549	3.367	3.382	3.412	3.272	3.469	7.34
24)	TMP Carbon disulfide						4.668	4.527	5.877	5.373	5.324	5.246	5.190	5.130	5.167	8.14
25)	TMP Methyl t-butyl...					3.259	3.509	3.271	3.667	3.413	3.365	3.510	3.511	3.398	3.434	3.79
26)	TMP Vinyl acetate						2.934	2.930	4.076	4.014	3.989	4.144	4.157	4.166	3.801	14.21
27)	TMP 1,1-Dichloroet...		4.136	3.645	3.384	3.272	3.127	3.052	3.504	3.275	3.217	3.235	3.178	3.084	3.342	9.06
28)	TMP cis-1,2-Dichlo...		2.224	1.946	1.700	1.639	1.579	1.537	1.707	1.619	1.588	1.605	1.589	1.547	1.690	11.87
29)	TMP Hexane						1.898	1.858	2.121	2.104	2.061	2.207	2.141	2.154	2.068	6.04
30)	TMP Chloroform	6.042	4.704	4.348	3.910	3.904	3.759	3.632	4.070	3.797	3.722	3.721	3.655	3.519	4.060	16.68
31)	TMP Ethyl acetate						3.414	3.444	3.876	3.898	3.858	3.911	3.956	3.951	3.789	5.92
32)	TMP Tetrahydrofuran				1.946	1.795	1.662	1.672	1.782	1.741	1.745	1.774	1.993	1.986	1.809	6.77
33)	TMP 2-Butanone (MEK)				0.554	0.585	0.611	0.637	0.667	0.648	0.636	0.618	0.618	0.615	0.619	5.16
34)	TMP 1,2-Dichloroet...	4.091	3.080	2.748	2.522	2.616	2.402	2.352	2.684	2.569	2.507	2.508	2.461	2.391	2.687	17.23
35)	TMP 1,1,1-Trichlor...		3.672	3.749	3.095	3.254	3.032	2.993	3.684	3.415	3.377	3.356	3.301	3.193	3.343	7.59
36)	TMP Carbon tetrach...								3.799	3.563	3.487	3.502	3.444	3.341	3.523	4.37
37)	TMP Benzene				9.924	5.732	5.211	5.231	5.509	5.164	5.049	5.111	5.043	4.906	5.688	26.50

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method

38)	TMP	Cyclohexane					1.275	1.462	1.455	1.368	1.315	1.358	1.365	1.338	1.367	4.69
39)	I	1,4-Difluorobenzene	----------ISTD----------													
40)	TMP	1,2-Dichloropr...	0.679	0.636	0.555	0.524	0.515	0.512	0.551	0.525	0.522	0.500	0.495	0.483	0.541	10.87
41)	TMP	1,4-Dioxane		0.271	0.249	0.244	0.234	0.228	0.220	0.218	0.221	0.215	0.217	0.215	0.230	7.76
42)	TMP	2,2,4-Trimethy...					1.657	1.472	1.669	1.615	1.623	1.594	1.588	1.570	1.598	3.83
43)	TMP	Methyl methacr...					0.459	0.474	0.522	0.490	0.484	0.482	0.484	0.488	0.485	3.64
44)	TMP	Heptane					0.623	0.619	0.689	0.662	0.692	0.669	0.678	0.675	0.663	4.24
45)	TMP	Bromodichlorom...							0.915	0.868	0.867	0.826	0.825	0.796	0.850	4.96
46)	TMP	Trichloroethene	0.872	0.671	0.633	0.614	0.569	0.555	0.578	0.547	0.547	0.517	0.514	0.500	0.593	17.09
47)	TMP	cis-1,3-Dichlo...			0.554	0.541	0.577	0.543	0.655	0.630	0.650	0.615	0.617	0.604	0.599	7.11
48)	TMP	4-Methyl-2-pen...					0.038	0.042	0.045	0.045	0.045	0.047	0.047	0.045	0.044	6.90
49)	TMP	trans-1,3-Dich...		0.659	0.519	0.509	0.497	0.492	0.603	0.588	0.590	0.580	0.580	0.578	0.563	9.26
50)	TMP	Toluene		0.823	0.734	0.726	0.678	0.667	0.735	0.701	0.700	0.674	0.676	0.664	0.707	6.59
51)	TMP	1,1,2-Trichlor...	0.893	0.683	0.576	0.520	0.507	0.491	0.478	0.548	0.516	0.509	0.484	0.479	0.461	0.550	21.48
52)	TMP	2-Hexanone					0.730	0.791	0.864	0.868	0.888	0.860	0.894	0.875	0.846	6.69
53)	TMP	Tetrachloroethene			0.551	0.530	0.517	0.473	0.512	0.477	0.521	0.448	0.443	0.426	0.490	8.60
54)	TMP	Dibromochlorom...							0.908	0.882	0.876	0.843	0.838	0.817	0.861	3.92
55)	TMP	1,2-Dibromoeth...	1.269	0.991	0.936	0.800	0.784	0.751	0.754	0.801	0.753	0.758	0.718	0.710	0.689	0.824	19.28
56)	I	Chlorobenzene-d5	----------ISTD----------													
57)	TMP	Chlorobenzene			1.379	1.053	1.148	1.049	1.147	1.069	1.091	1.033	1.030	1.010	1.101	9.86
58)	TMP	Ethylbenzene	3.545	2.603	2.008	1.778	1.694	1.667	1.626	1.884	1.788	1.825	1.733	1.723	1.714	1.968	27.25
59)	TMP	1,1,2,2-Tetrac...	2.169	1.580	1.536	1.282	1.311	1.283	1.215	1.424	1.329	1.323	1.241	1.229	1.195	1.394	18.75
60)	TMP	Nonane						0.660	0.731	1.054	1.075	1.087	1.065	1.082	1.092	0.981	18.09
61)	TMP	Isopropylbenzene			1.788	1.672	1.619	1.700	1.997	1.835	1.901	1.791	1.821	1.795	1.792	6.16
62)	TMP	2-Chlorotoluene						0.394	0.415	0.490	0.461	0.477	0.445	0.452	0.449	0.448	6.93
63)	TMP	Propylbenzene			2.636	2.691	2.871	3.030	3.716	3.638	3.678	3.548	3.570	3.542	3.292	13.17
64)	TMP	4-Ethyltoluene						1.213	1.302	1.676	1.700	1.756	1.724	1.748	1.773	1.611	13.78
65)	TMP	m,p-Xylene	0.845	0.646	0.568	0.547	0.557	0.551	0.670	0.650	0.666	0.636	0.632	0.631	0.633	12.76
66)	TMP	o-Xylene	0.799	0.634	0.554	0.535	0.548	0.548	0.660	0.635	0.641	0.606	0.611	0.606	0.615	11.66
67)	TMP	Styrene			0.690	0.685	0.782	0.695	0.862	0.880	0.884	0.878	0.910	0.924	0.819	11.80
68)	TMP	Bromoform							1.107	1.046	1.046	0.988	0.993	0.990	1.028	4.59
69)	S	4-Bromofluorob...	0.628	0.642	0.626	0.624	0.641	0.676	0.686	0.745	0.732	0.745	0.739	0.744	0.782	0.693	8.18
70)	TMP	Benzyl chloride	1.067	0.775	0.829	0.634	0.584	0.639	0.686	1.231	1.240	1.284	1.269	1.290	1.306	0.987	30.10
71)	TMP	1,3,5-Trimethy...			1.311	1.150	1.135	1.315	1.652	1.602	1.632	1.561	1.570	1.572	1.450	13.90
72)	TMP	1,2,4-Trimethy...			0.899	0.841	0.923	1.085	1.360	1.391	1.459	1.462	1.492	1.563	1.247	22.36
73)	TMP	1,3-Dichlorobe...		0.942	0.893	0.910	0.954	0.935	1.102	1.091	1.110	1.064	1.067	1.063	1.012	8.32
74)	TMP	1,4-Dichlorobe...	1.116	0.868	0.798	0.799	0.810	0.874	1.008	1.012	1.035	1.005	1.011	1.024	0.947	11.56
75)	TMP	1,2-Dichlorobe...		0.966	0.919	0.926	0.944	1.031	1.113	1.084	1.106	1.057	1.060	1.060	1.024	7.07
76)	TMP	1,2,4-Trichlor...			0.380	0.454	0.350	0.413	0.545	0.692	0.772	0.812	0.888	0.951	0.626	35.84
77)	TMP	Naphthalene	1.897	1.037	0.778	0.862	0.678	0.661	0.718	0.987	1.158	1.401	1.571	1.833	1.132	39.25
78)	TMP	Hexachlorobuta...	1.241	1.153	1.016	0.998	0.993	0.953	1.067	1.049	1.062	1.008	0.998	0.998	1.045	7.69

(#) = Out of Range

Calibration Status Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.01	-1	10	D:\Proc_GCMS7\11-15-22\111516.D
2	0.02	0	10	D:\Proc_GCMS7\11-15-22\111517.D
3	0.05	0	10	D:\Proc_GCMS7\11-15-22\111518.D
4	0.1	0	10	D:\Proc_GCMS7\11-15-22\111519.D
5	0.2	0	10	D:\Proc_GCMS7\11-15-22\111520.D
6	0.5	1	10	D:\Proc_GCMS7\11-15-22\111521.D
7	1	1	10	D:\Proc_GCMS7\11-15-22\111522.D
8	2.5	3	10	D:\Proc_GCMS7\11-15-22\111523.D
9	4	4	10	D:\Proc_GCMS7\11-15-22\111524.D
10	5	5	10	D:\Proc_GCMS7\11-15-22\111525.D
11	8	8	10	D:\Proc_GCMS7\11-15-22\111526.D
12	10	10	10	D:\Proc_GCMS7\11-15-22\111527.D
13	15	15	10	D:\Proc_GCMS7\11-15-22\111528.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.01	Nov 16 12:19 2022	Nov 16 12:16 2022	16 Nov 2022 3:43 am
2	0.02	Nov 16 12:19 2022	Nov 16 12:15 2022	16 Nov 2022 4:27 am
3	0.05	Nov 16 12:19 2022	Nov 16 12:14 2022	16 Nov 2022 5:11 am
4	0.1	Nov 16 12:19 2022	Nov 16 11:55 2022	16 Nov 2022 5:54 am
5	0.2	Nov 16 12:19 2022	Nov 16 12:00 2022	16 Nov 2022 6:29 am
6	0.5	Nov 16 12:19 2022	Nov 16 11:57 2022	16 Nov 2022 7:07 am
7	1	Nov 16 12:19 2022	Nov 16 12:02 2022	16 Nov 2022 7:51 am
8	2.5	Nov 16 12:19 2022	Nov 16 12:03 2022	16 Nov 2022 8:25 am
9	4	Nov 16 12:19 2022	Nov 16 12:05 2022	16 Nov 2022 9:00 am
10	5	Nov 16 12:19 2022	Nov 16 12:06 2022	16 Nov 2022 9:34 am
11	8	Nov 16 12:19 2022	Nov 16 12:07 2022	16 Nov 2022 10:10 am
12	10	Nov 16 12:19 2022	Nov 16 12:08 2022	16 Nov 2022 10:46 am
13	15	Nov 16 12:19 2022	Nov 16 12:09 2022	16 Nov 2022 11:25 am

Compound List Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

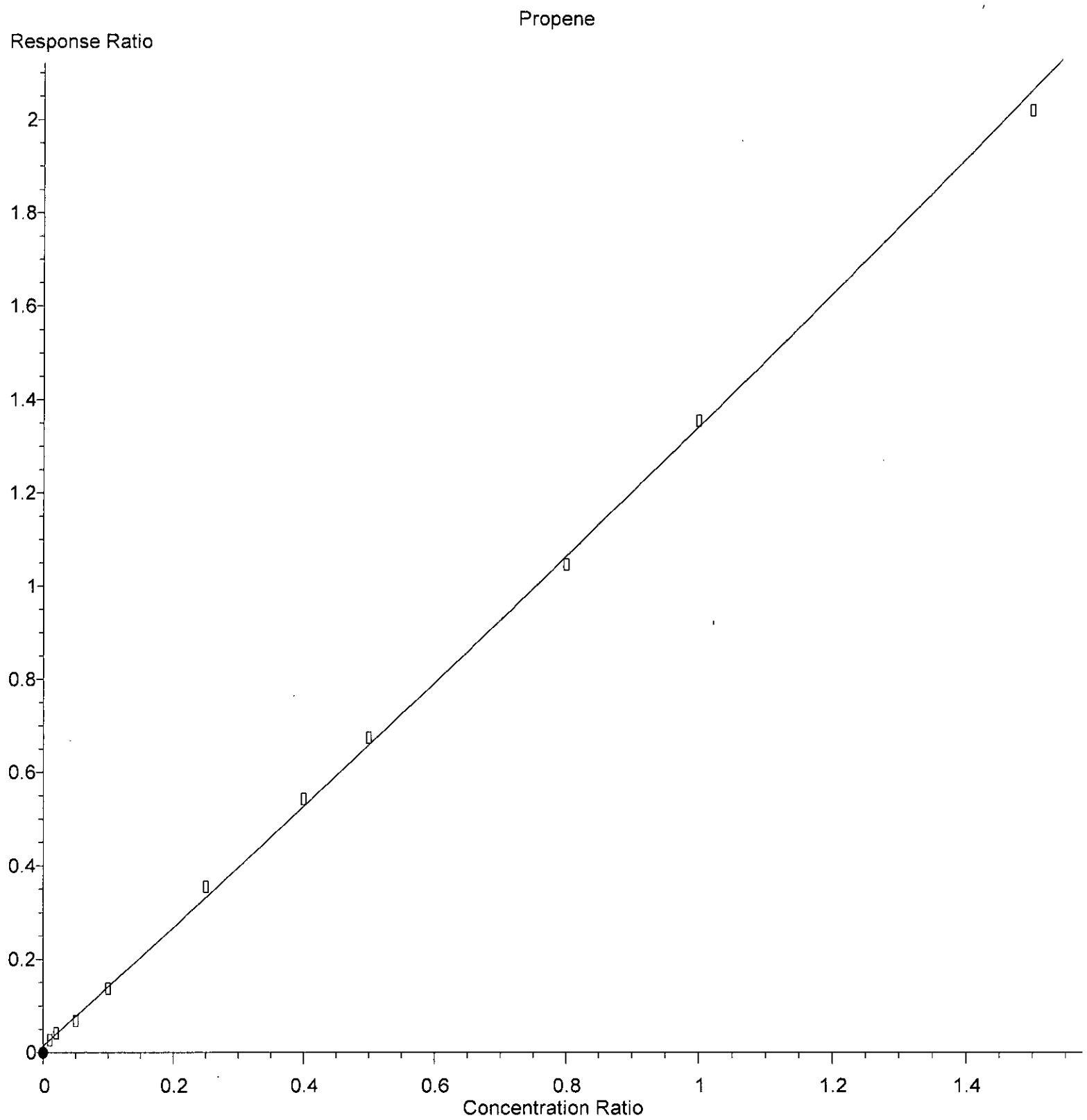
Total Cpnds : 78

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Bromochloromethane	128	9.88	1.000	A	2	A	B
2	T	Propene	41	3.41	0.345	Q	2	A	B
3	T	Dichlorodifluoromethane	85	3.48	0.353	A	1	A	B
4	T	Chloromethane	-50	3.73	0.377	A	1	A	B
5	T	F-114	85	3.88	0.393	A	2	A	B
6	T	Vinyl chloride	-62	4.09	0.414	A	1	A	B
7	T	1,3-Butadiene	-54	4.29	0.434	A	3	A	B
8	T	Butane	43	4.32	0.437	A	1	A	B
9	T	Bromomethane	94	4.60	0.465	A	1	A	B
10	T	Chloroethane	-64	4.84	0.490	A	1	A	B
11	T	Vinyl bromide	-106	5.32	0.538	A	1	A	B
12	T	Ethanol	45	4.96	0.501	A	1	A	B
13	T	Acrolein	-56	5.42	0.548	A	1	A	B
14	T	Pentane	43	6.25	0.633	A	2	A	B
15	T	Trichlorofluoromethane	101	5.84	0.591	A	1	A	B
16	T	Acetone	58	5.57	0.563	A	1	A	B
17	T	2-Propanol	45	5.78	0.585	A	2	A	B
18	T	1,1-Dichloroethene	-96	6.63	0.671	A	2	A	B
19	T	trans-1,2-Dichloroethene	-96	8.10	0.819	A	2	A	B
20	T	Methylene chloride	84	6.80	0.689	A	2	A	B
21	T	t-Butyl alcohol (TBA)	59	6.57	0.665	A	1	A	B
22	T	3-Chloropropene	41	6.94	0.702	A	1	A	B
23	T	CFC-113	101	7.15	0.723	A	2	A	B
24	T	Carbon disulfide	76	7.28	0.736	A	2	A	B
25	T	Methyl t-butyl ether (MTBE)	73	8.43	0.853	A	1	A	B
26	T	Vinyl acetate	43	8.54	0.864	A	1	A	B
27	T	1,1-Dichloroethane	-63	8.36	0.846	A	2	A	B
28	T	cis-1,2-Dichloroethene	-96	9.64	0.975	A	2	A	B
29	T	Hexane	57	10.01	1.013	A	2	A	B
30	T	Chloroform	-83	10.10	1.022	Q	1	A	B
31	T	Ethyl acetate	43	9.92	1.004	A	1	A	B
32	T	Tetrahydrofuran	42	10.75	1.088	A	1	A	B
33	T	2-Butanone (MEK)	72	8.91	0.901	A	3	A	B
34	T	1,2-Dichloroethane (EDC)	-62	11.34	1.147	Q	1	A	B
35	T	1,1,1-Trichloroethane	-97	11.82	1.197	A	2	A	B
36	T	Carbon tetrachloride	-117	12.86	1.302	A	1	A	B
37	T	Benzene	-78	12.61	1.276	Q	1	A	B
38	T	Cyclohexane	84	13.07	1.323	A	2	A	B
39	I	1,4-Difluorobenzene	114	13.14	1.000	A	2	A	B
40	T	1,2-Dichloropropane	-63	13.80	1.050	A	1	A	B
41	T	1,4-Dioxane	-88	14.09	1.072	A	1	A	B
42	T	2,2,4-Trimethylpentane	57	14.24	1.083	A	2	A	B
43	T	Methyl methacrylate	41	14.36	1.093	A	2	A	B
44	T	Heptane	43	14.56	1.108	A	3	A	B
45	T	Bromodichloromethane	-83	14.04	1.069	A	2	A	B
46	T	Trichloroethene	-95	14.14	1.076	A	3	A	B
47	T	cis-1,3-Dichloropropene	75	15.20	1.157	A	2	A	B
48	T	4-Methyl-2-pentanone	100	15.23	1.158	A	3	A	B
49	T	trans-1,3-Dichloropropene	-75	15.78	1.201	A	2	A	B
50	T	Toluene	-92	16.31	1.241	A	1	A	B
51	T	1,1,2-Trichloroethane	-83	16.00	1.217	Q	2	A	B
52	T	2-Hexanone	43	16.56	1.260	A	3	A	B
53	T	Tetrachloroethene	-164	17.52	1.333	A	3	A	B
54	T	Dibromochloromethane	-129	16.76	1.275	A	2	A	B
55	T	1,2-Dibromoethane (EDB)	-107	17.04	1.297	Q	2	A	B

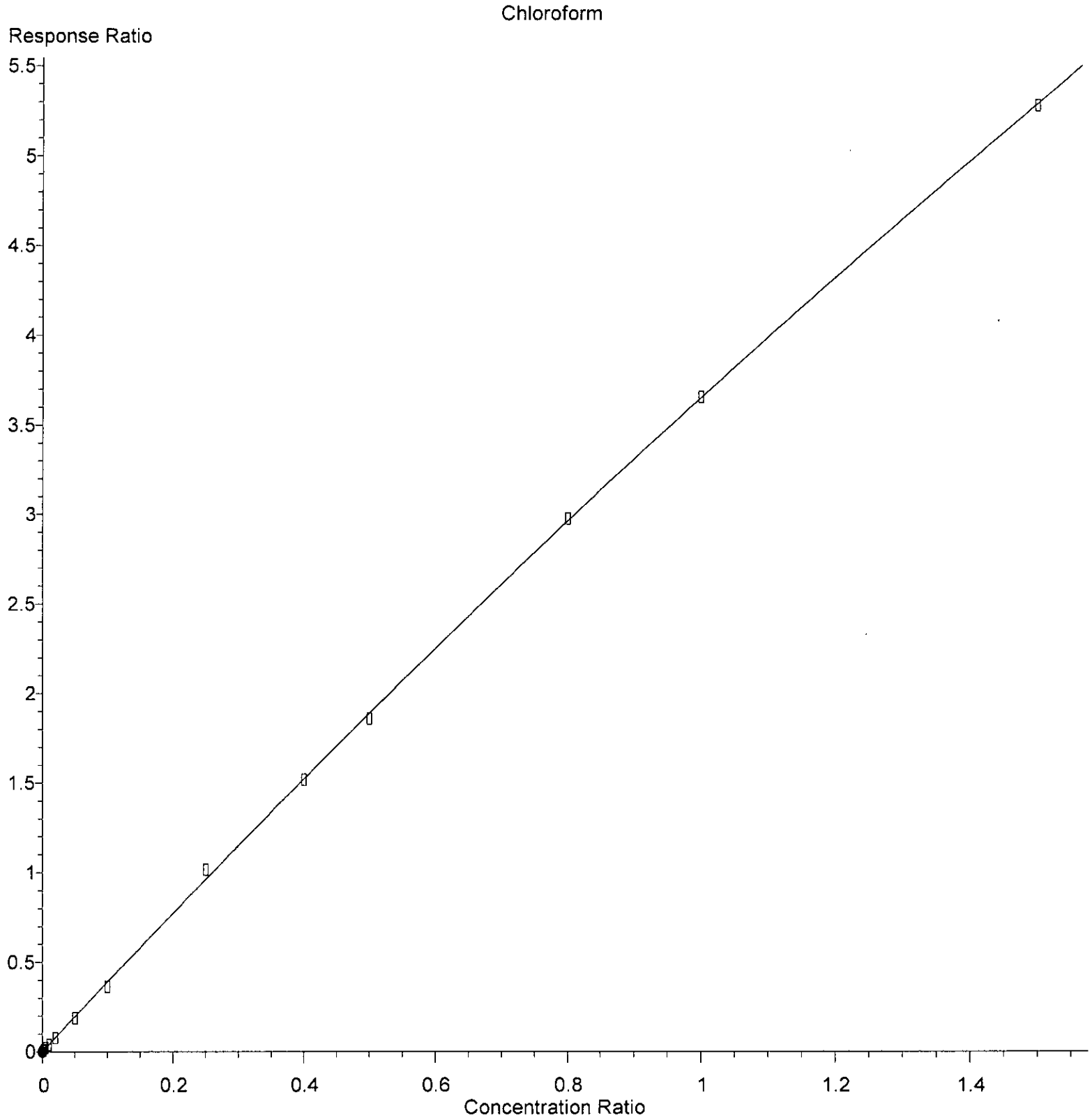
56	I		Chlorobenzene-d5	117	18.13	1.000	A	2	A	B
57		T	Chlorobenzene	112	18.19	1.003	A	2	A	B
58		T	Ethylbenzene	-91	18.53	1.022	Q	1	A	B
59		T	1,1,2,2-Tetrachloroethane	-83	19.13	1.055	Q	2	A	B
60		T	Nonane	43	19.30	1.065	A	3	A	B
61		T	Isopropylbenzene	105	19.70	1.086	A	1	A	B
62		T	2-Chlorotoluene	126	20.17	1.113	A	1	A	B
63		T	Propylbenzene	91	20.19	1.113	A	1	A	B
64		T	4-Ethyltoluene	105	20.32	1.121	A	1	A	B
65		T	m,p-Xylene	-106	18.70	1.032	A	1	A	B
66		T	o-Xylene	-106	19.15	1.056	A	1	A	B
67		T	Styrene	104	19.05	1.051	A	1	A	B
68		T	Bromoform	173	18.80	1.037	A	2	A	B
69	S		4-Bromofluorobenzene	95	19.58	1.080	A	2	A	B
70		T	Benzyl chloride	-91	20.95	1.155	QO	1	A	B
71		T	1,3,5-Trimethylbenzene	105	20.39	1.125	A	1	A	B
72		T	1,2,4-Trimethylbenzene	105	20.80	1.147	Q	1	A	B
73		T	1,3-Dichlorobenzene	-146	20.98	1.157	A	2	A	B
74		T	1,4-Dichlorobenzene	-146	21.05	1.161	A	2	A	B
75		T	1,2-Dichlorobenzene	-146	21.41	1.181	A	2	A	B
76		T	1,2,4-Trichlorobenzene	180	23.64	1.304	QO	2	A	B
77		T	Naphthalene	-128	23.84	1.315	Q	2	A	B
78		T	Hexachlorobutadiene	-225	24.44	1.348	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

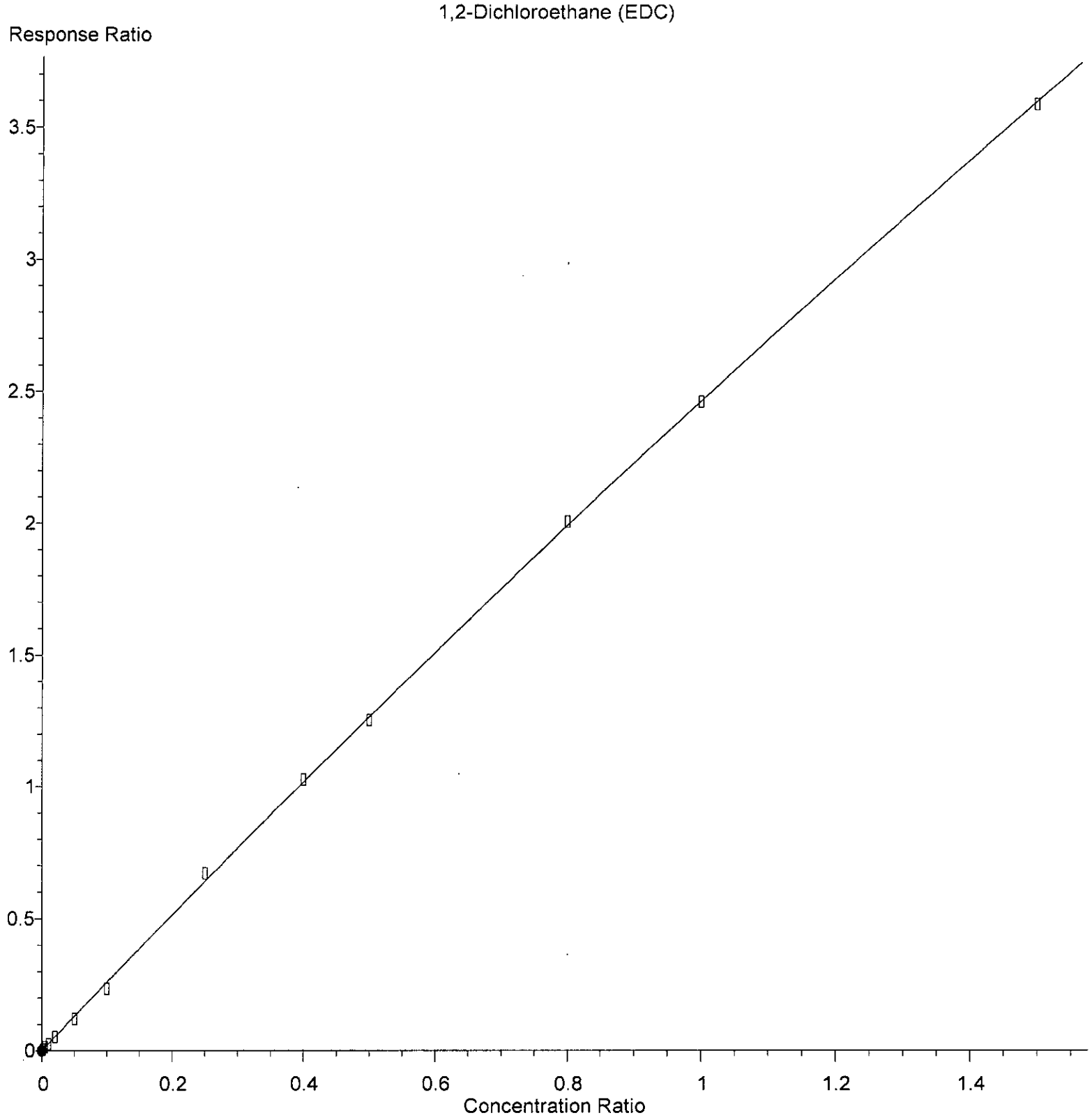
1115TO15ss7.M Fri Nov 18 12:37:44 2022



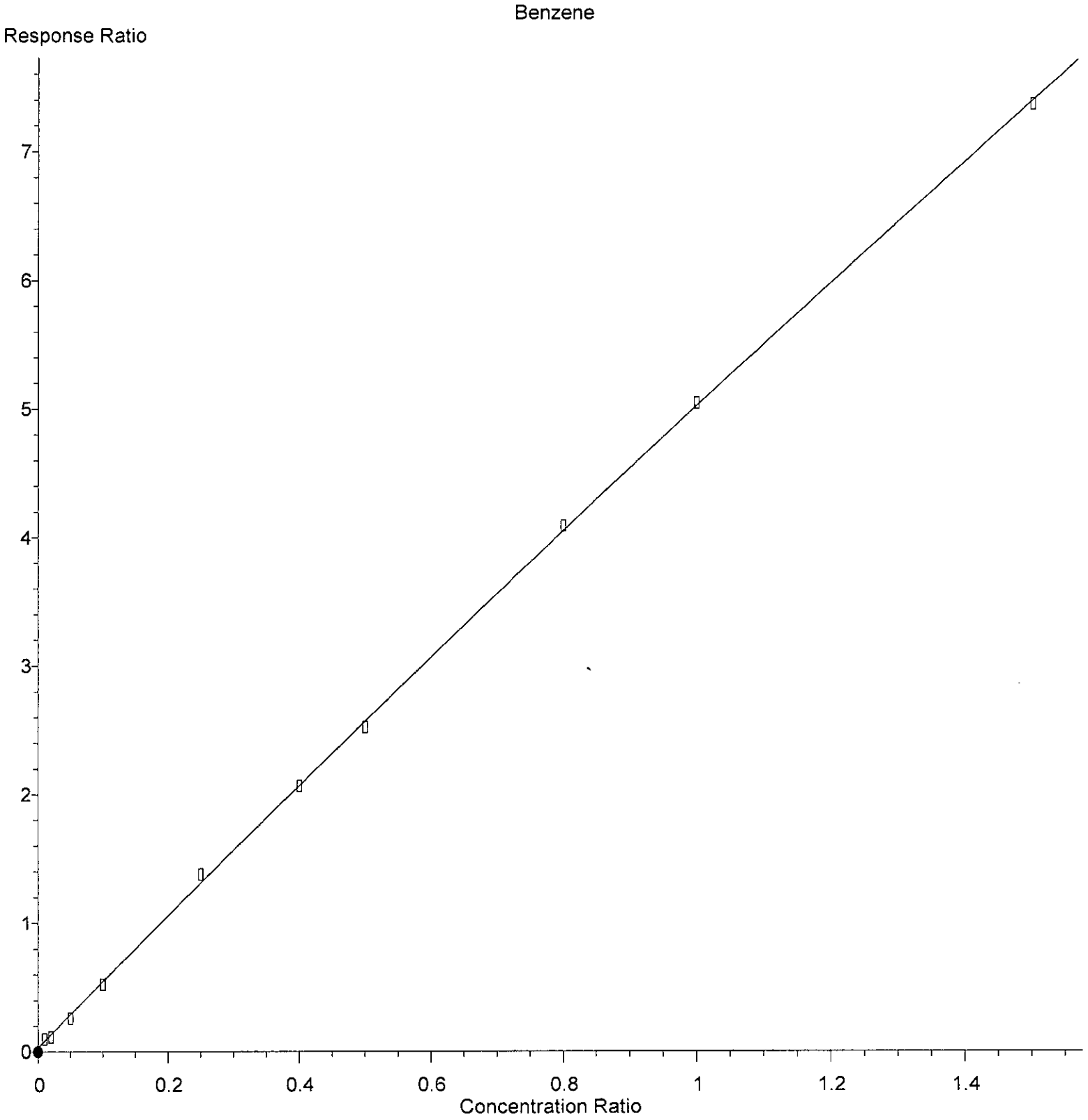
R = 7.642e-002 A*A + 1.250e+000 A + 1.410e-002
Coef of Det (r^2) = 0.995306 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



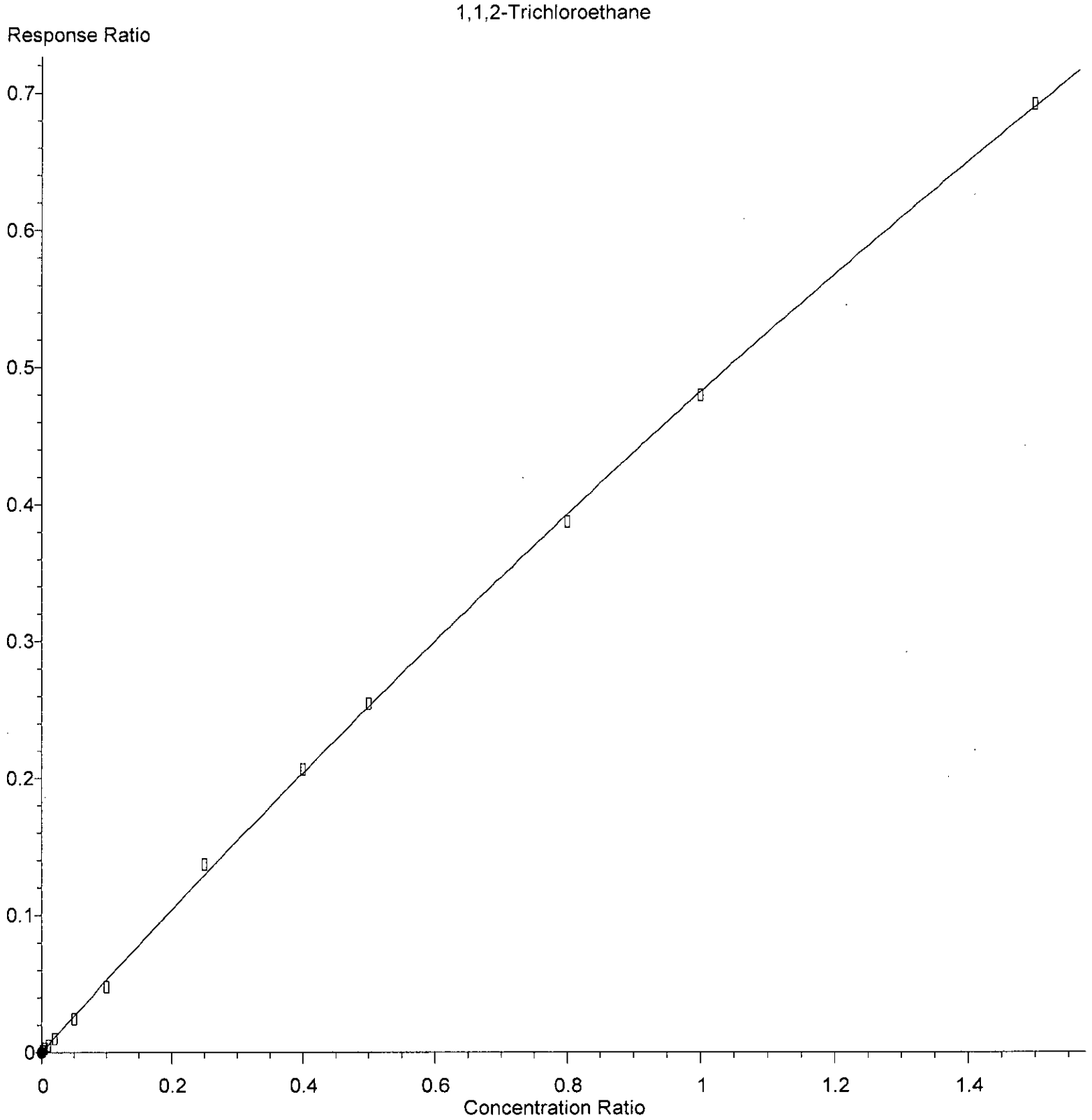
R = -2.518e-001 A*A + 3.901e+000 A + 1.712e-003
Coef of Det (r^2) = 0.999617 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



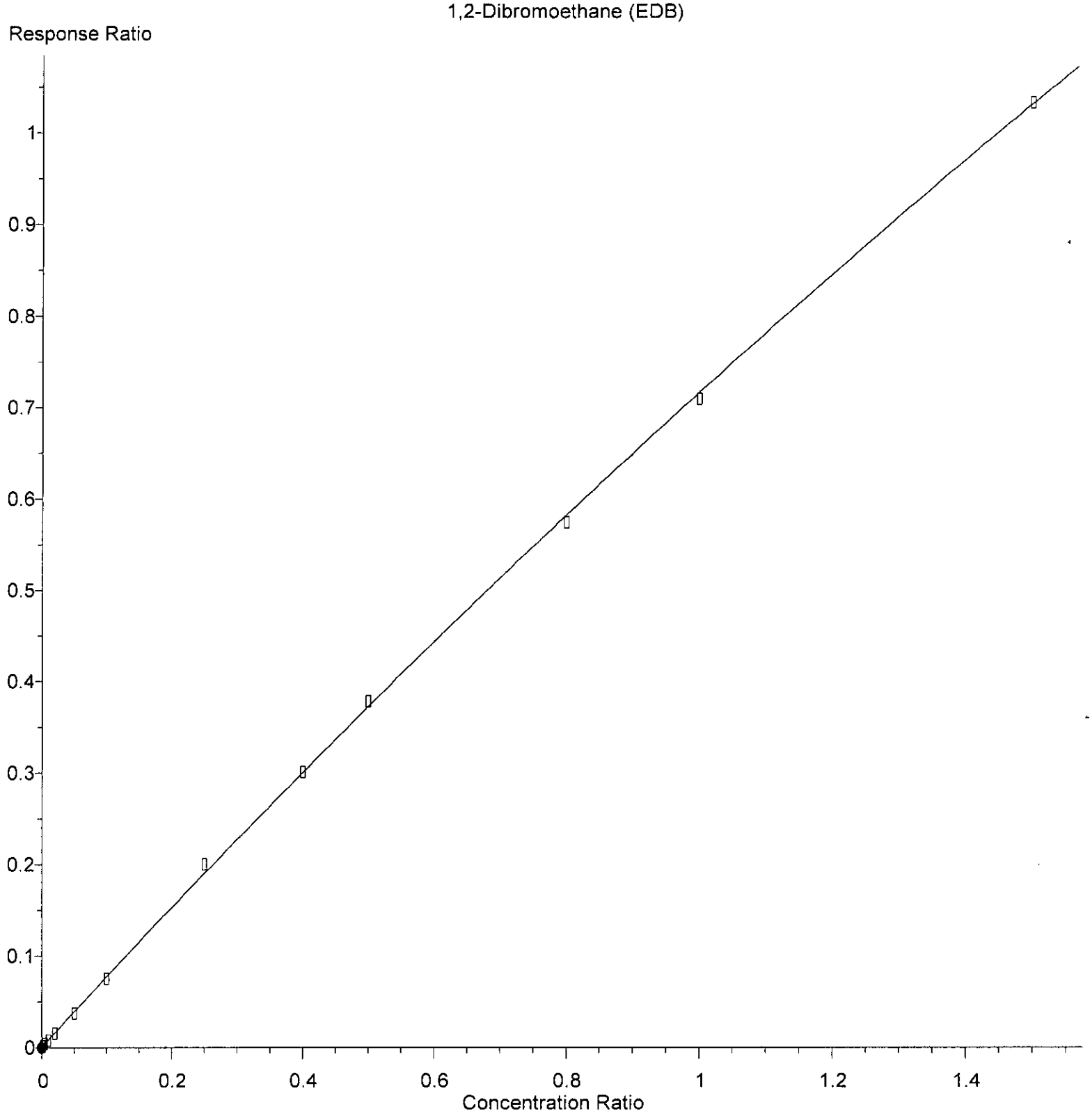
R = -1.295e-001 A*A + 2.591e+000 A + 9.788e-004
Coef of Det (r^2) = 0.999541 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



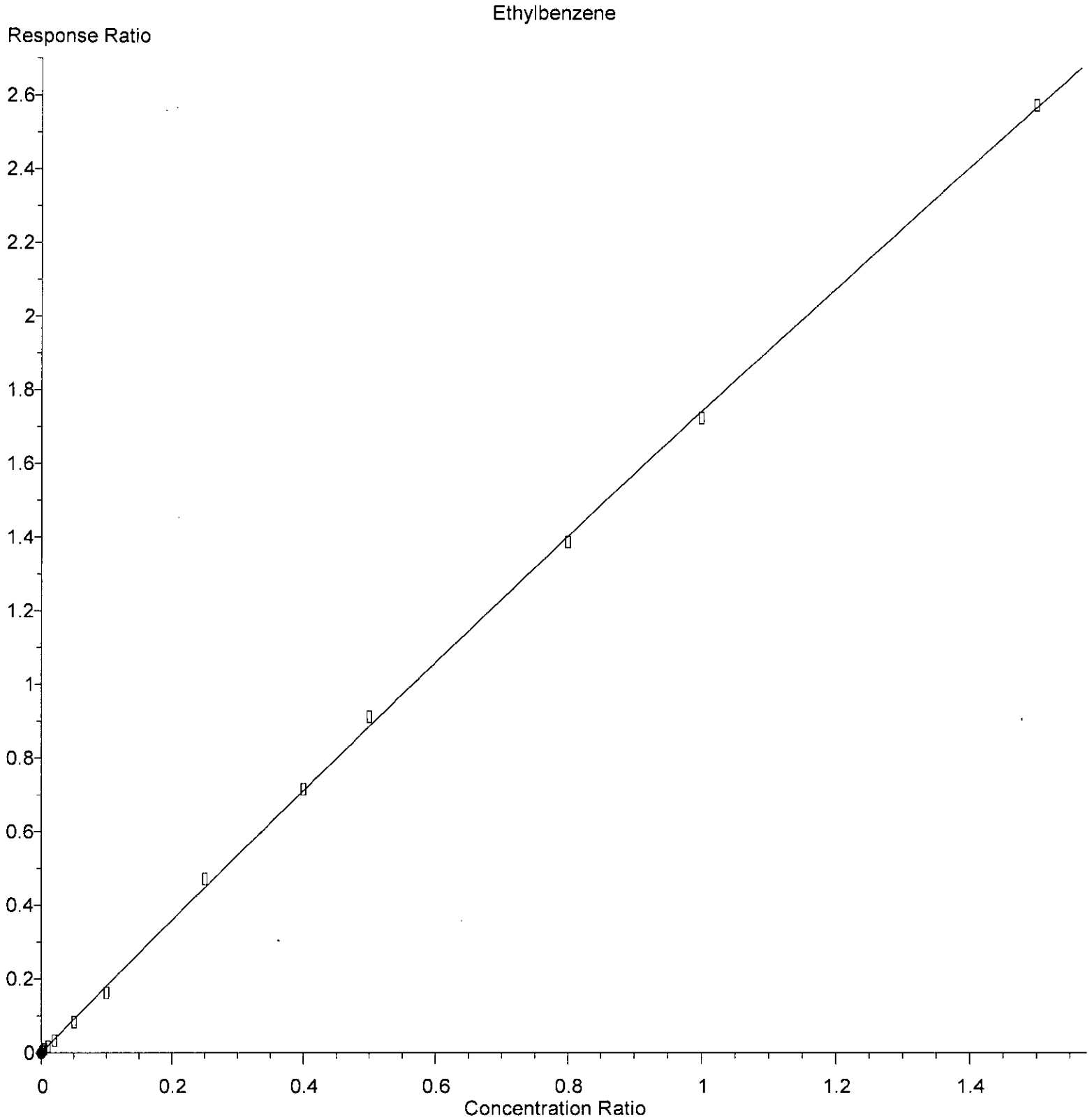
R = -1.651e-001 A*A + 5.153e+000 A + 3.193e-002
Coef of Det (r^2) = 0.999101 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



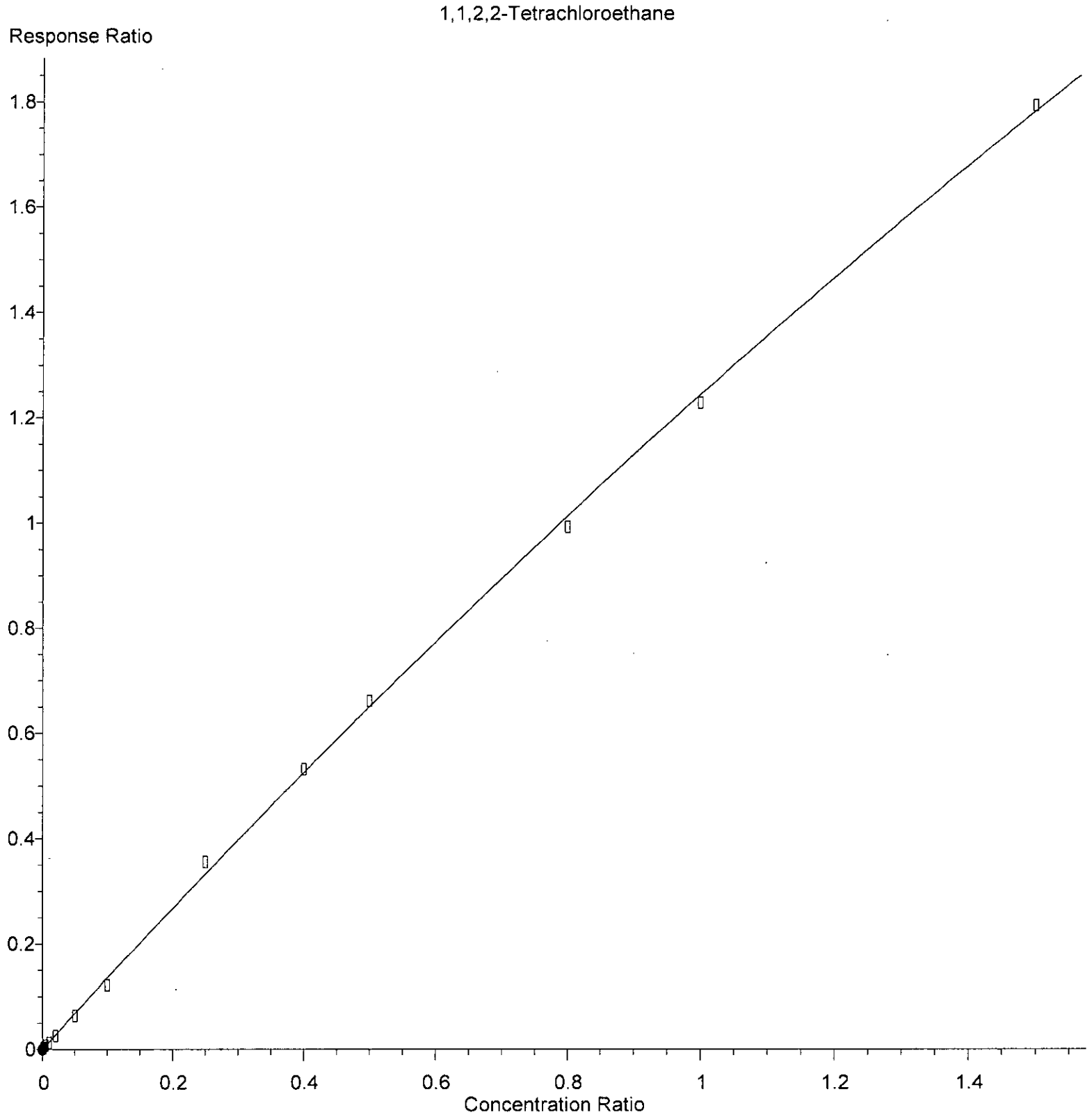
R = -4.431e-002 A*A + 5.260e-001 A + 2.710e-004
Coef of Det (r^2) = 0.999386 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



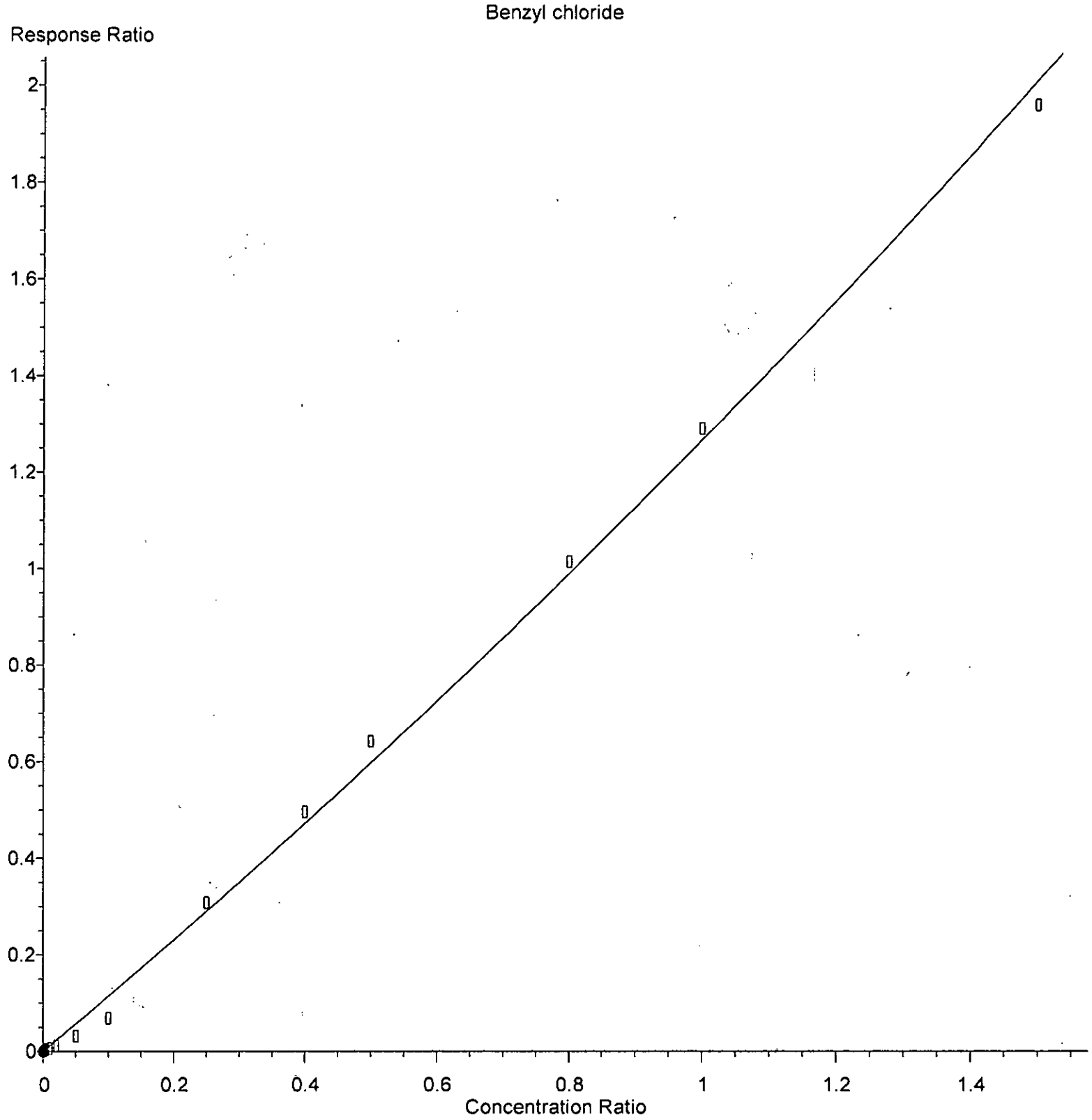
R = -5.679e-002 A*A + 7.728e-001 A + 4.918e-004
Coef of Det (r^2) = 0.998482 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



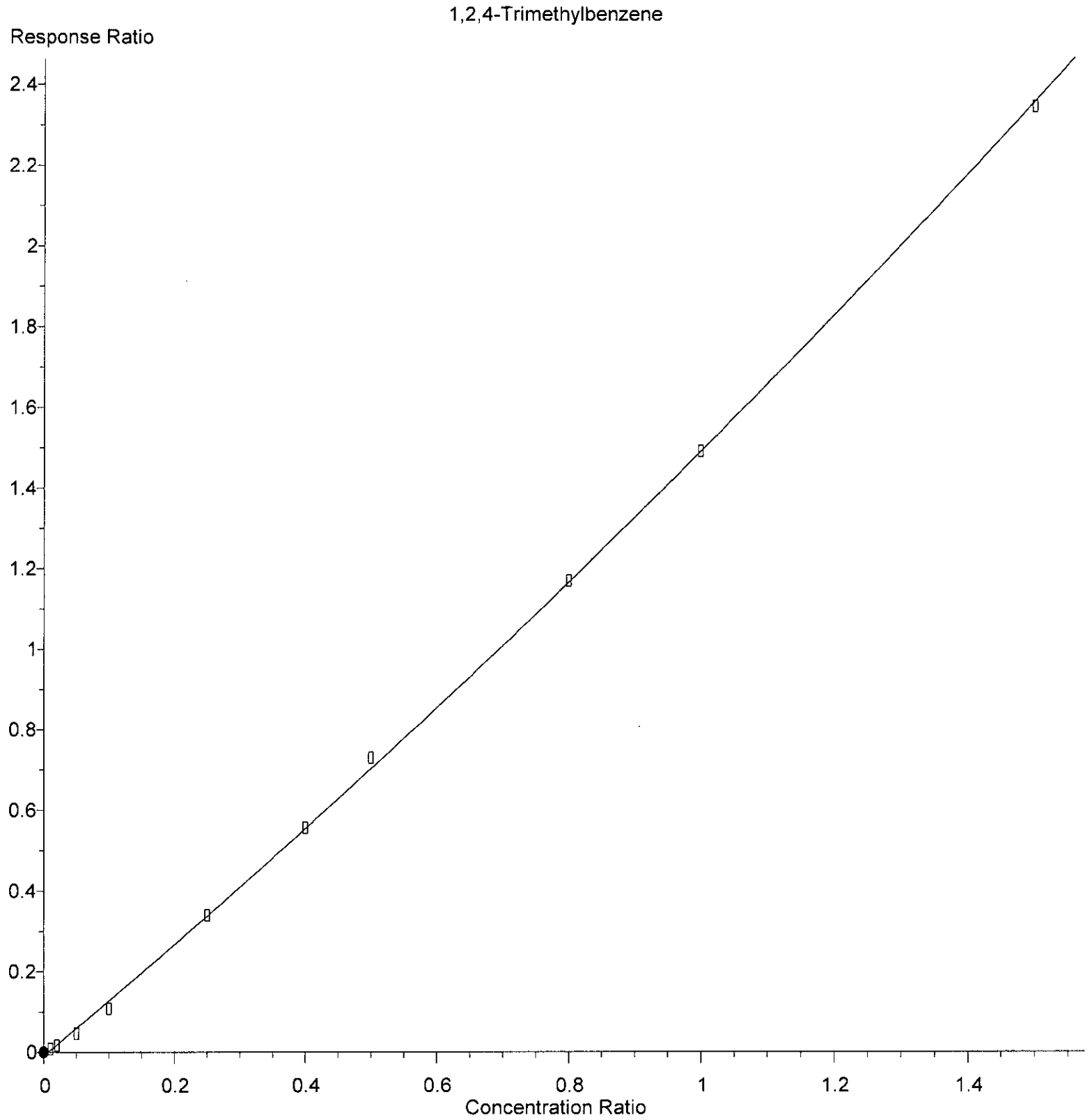
R = -5.879e-002 A*A + 1.797e+000 A + 1.320e-003
Coef of Det (r^2) = 0.999290 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



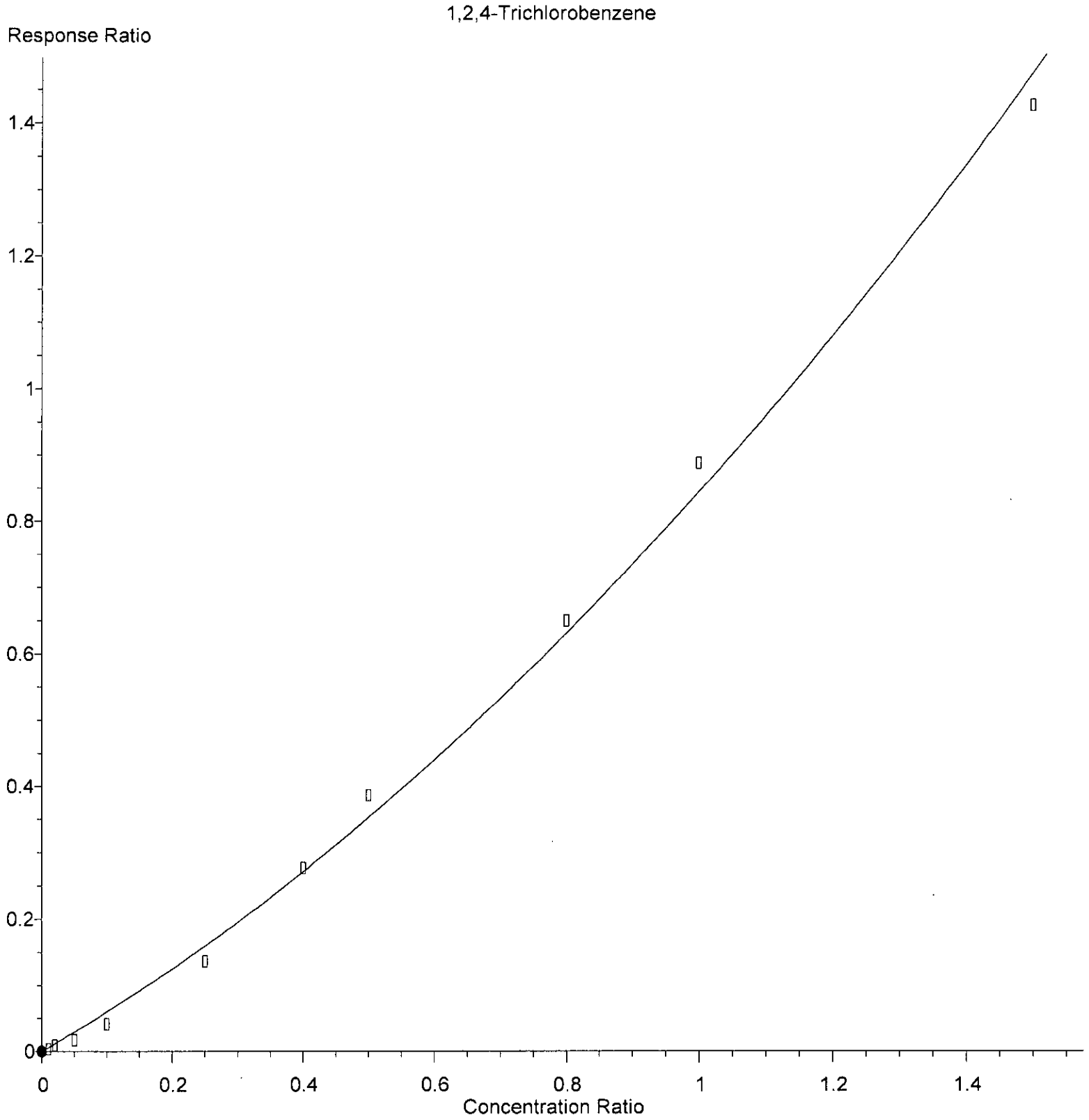
R = -1.123e-001 A*A + 1.355e+000 A + 5.401e-004
Coef of Det (r^2) = 0.999169 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



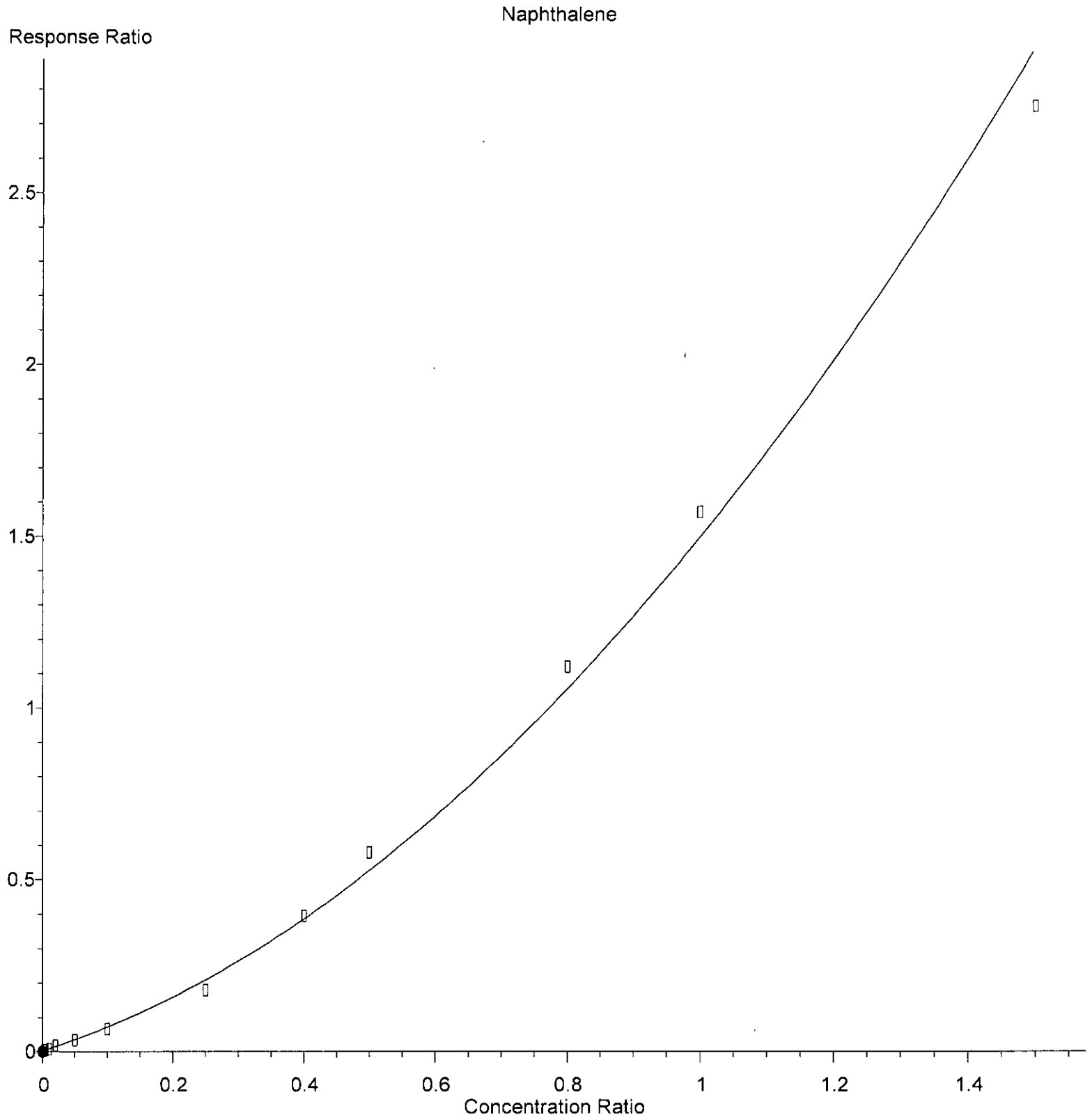
R = 1.461e-001 A*A + 1.120e+000 A + 0.000e+000
Coef of Det (r^2) = 0.993475 Curve Fit: Quad w(1/a)/(0,0)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



R = 1.565e-001 A*A + 1.342e+000 A - 8.726e-003
Coef of Det (r^2) = 0.998884 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



R = 2.779e-001 A*A + 5.657e-001 A + 0.000e+000
Coef of Det (r^2) = 0.996017 Curve Fit: Quad w(1/a)/(0,0)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022

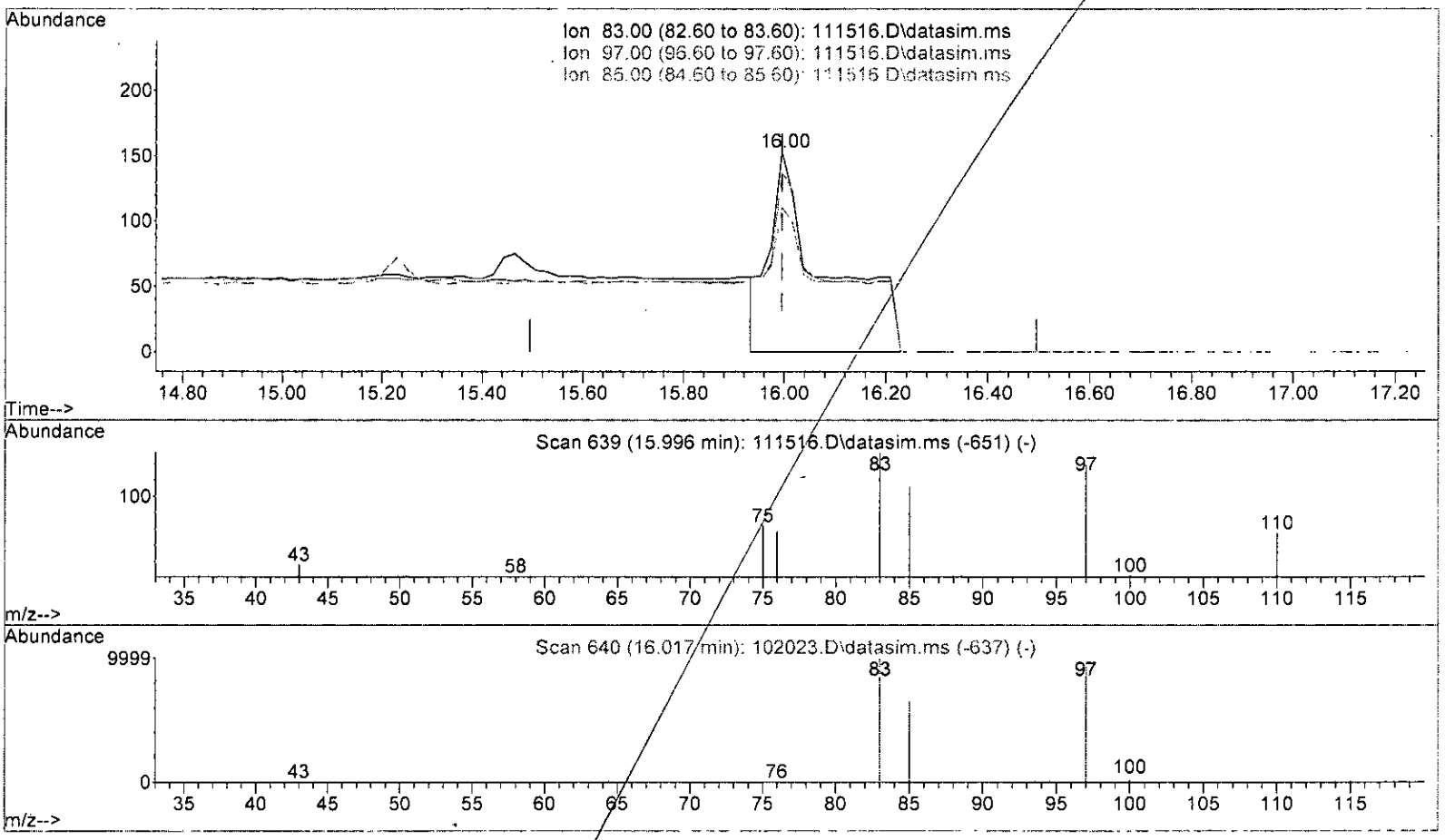


R = 8.986e-001 A*A + 5.966e-001 A + 2.531e-003
Coef of Det (r^2) = 0.993302 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111516.D\data.ms

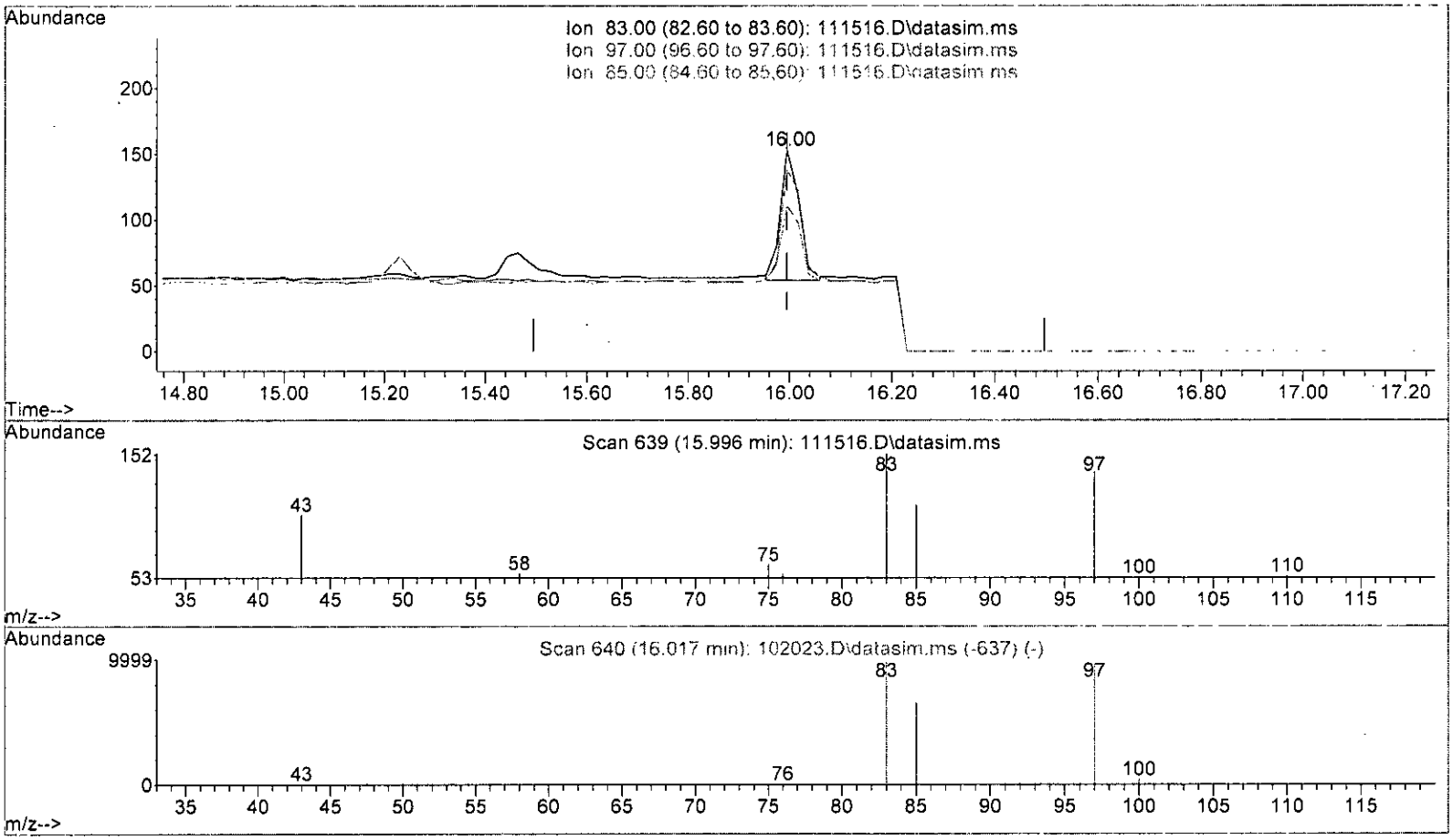
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.075 ppbv
response 1204

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.20
85.00	60.50	72.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111516.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.012 ppbv m

response 257

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.20
85.00	60.50	72.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63553	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	284548	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.15	117	252181	10.000	ppbv	0.02
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	158274	9.056	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.60%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.	d	
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.	d	
19) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.	d	
28) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	384	0.011	ppbv	88
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34] 1,2-Dichloroethane (EDC)	11.34	62	260	0.012	ppbv	97
35) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

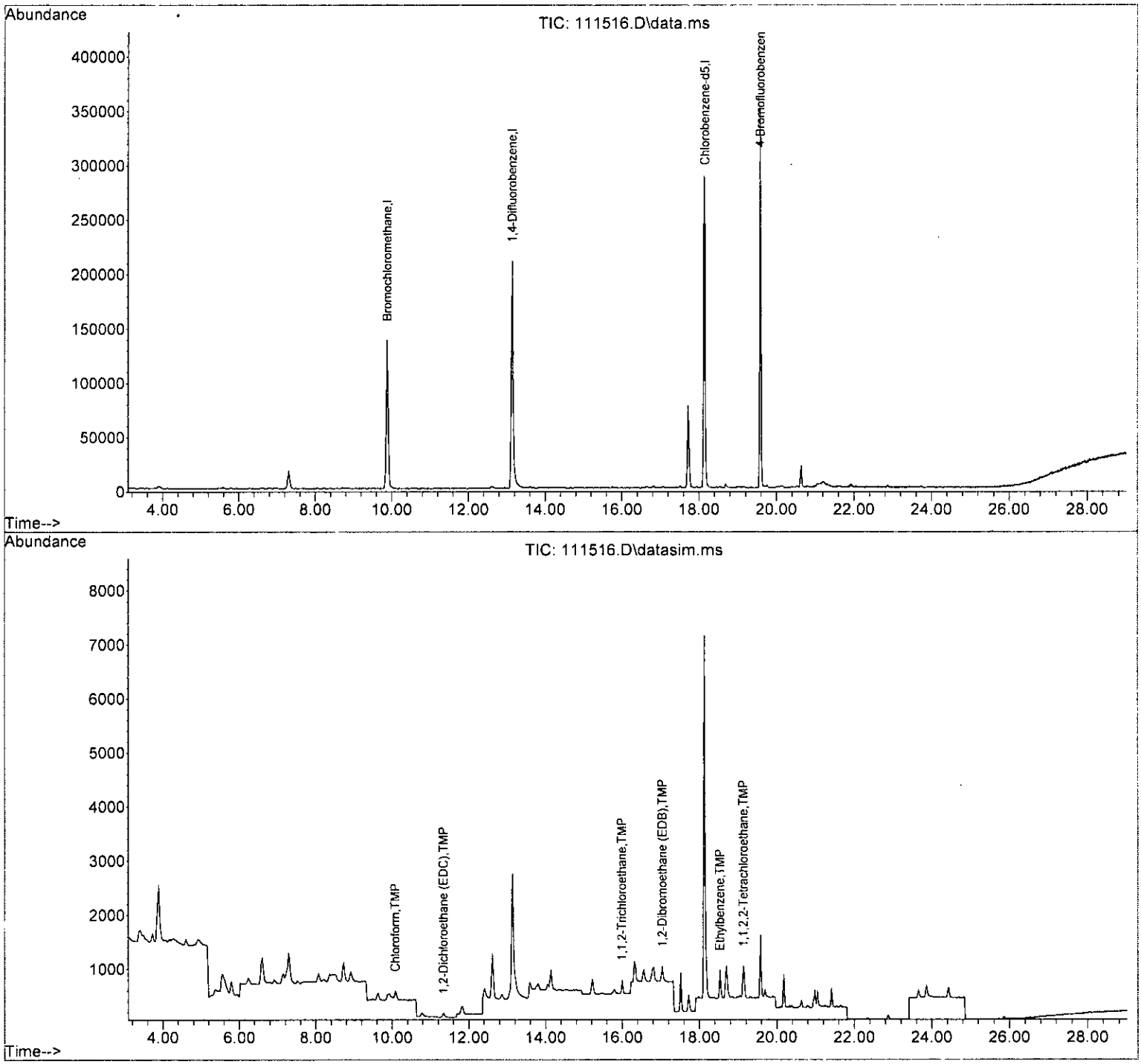
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	d	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46) Trichloroethene	0.00		0	N.D.	d	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51] 1,1,2-Trichloroethane	16.00	83	257m	0.012	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	361	0.010	ppbv	98
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	894	0.012	ppbv	97
59] 1,1,2,2-Tetrachloroethane	19.13	83	547	0.012	ppbv	94
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	20.95	91	269	N.D.		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.88#
6	TMP	Vinyl chloride	-1.000	0.000	0.0	0	-4.09#
7	TMP	1,3-Butadiene	-1.000	0.000	0.0	0	-4.29#
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	-1.000	0.000	0.0	0	-5.32#
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	-1.000	0.000	0.0	0	-5.42#
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	-1.000	0.000	0.0	0	-6.63#
19	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-8.10#
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	-1.000	0.000	0.0	0	-7.15#
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-8.36#
28	TMP	cis-1,2-Dichloroethene	-1.000	0.000	0.0	0	-9.64#
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.010	0.011	-10.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.010	0.012	-20.0	100	0.00
35	TMP	1,1,1-Trichloroethane	-1.000	0.000	0.0	0	-11.82#
36	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-12.86#
37	TMP	Benzene	-1.000	0.000	0.0	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.010	0.000	100.0#	0	-13.80#
41	TMP	1,4-Dioxane	-1.000	0.000	0.0	0	-14.09#
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.010	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.010	0.000	100.0#	0	-14.14#
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.78#
50	TMP	Toluene	-1.000	0.000	0.0	0	-16.31#
51	TMP	1,1,2-Trichloroethane	0.010	0.012	-20.0	101	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.010	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.010	0.010	0.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.02
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.010	0.012	-20.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.010	0.012	-20.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	-1.000	0.000	0.0	0	-18.70#
66	TMP	o-Xylene	-1.000	0.000	0.0	0	-19.15#
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.056	9.4	100	0.00
70	TMP	Benzyl chloride	0.010	0.010	0.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.98#
74	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-21.05#
75	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-21.41#
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	-1.000	0.000	0.0	0	-23.84#
78	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-24.44#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	0.000	100.0#	0#	-3.88#
6	TMP	Vinyl chloride	1.851	0.000#	100.0#	0#	-4.09#
7	TMP	1,3-Butadiene	1.216	0.000	100.0#	0#	-4.29#
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	0.000	100.0#	0#	-5.32#
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.000	100.0#	0#	-5.42#
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	0.000#	100.0#	0#	-6.63#
19	TMP	trans-1,2-Dichloroethene	1.598	0.000	100.0#	0#	-8.10#
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	0.000	100.0#	0#	-7.15#
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	0.000#	100.0#	0#	-8.36#
28	TMP	cis-1,2-Dichloroethene	1.690	0.000#	100.0#	0#	-9.64#
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	6.042	-48.8#	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	4.091	-52.3#	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	0.000#	100.0#	0#	-11.82#
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.000	100.0#	0#	-13.80#
41	TMP	1,4-Dioxane	0.230	0.000	100.0#	0#	-14.09#
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

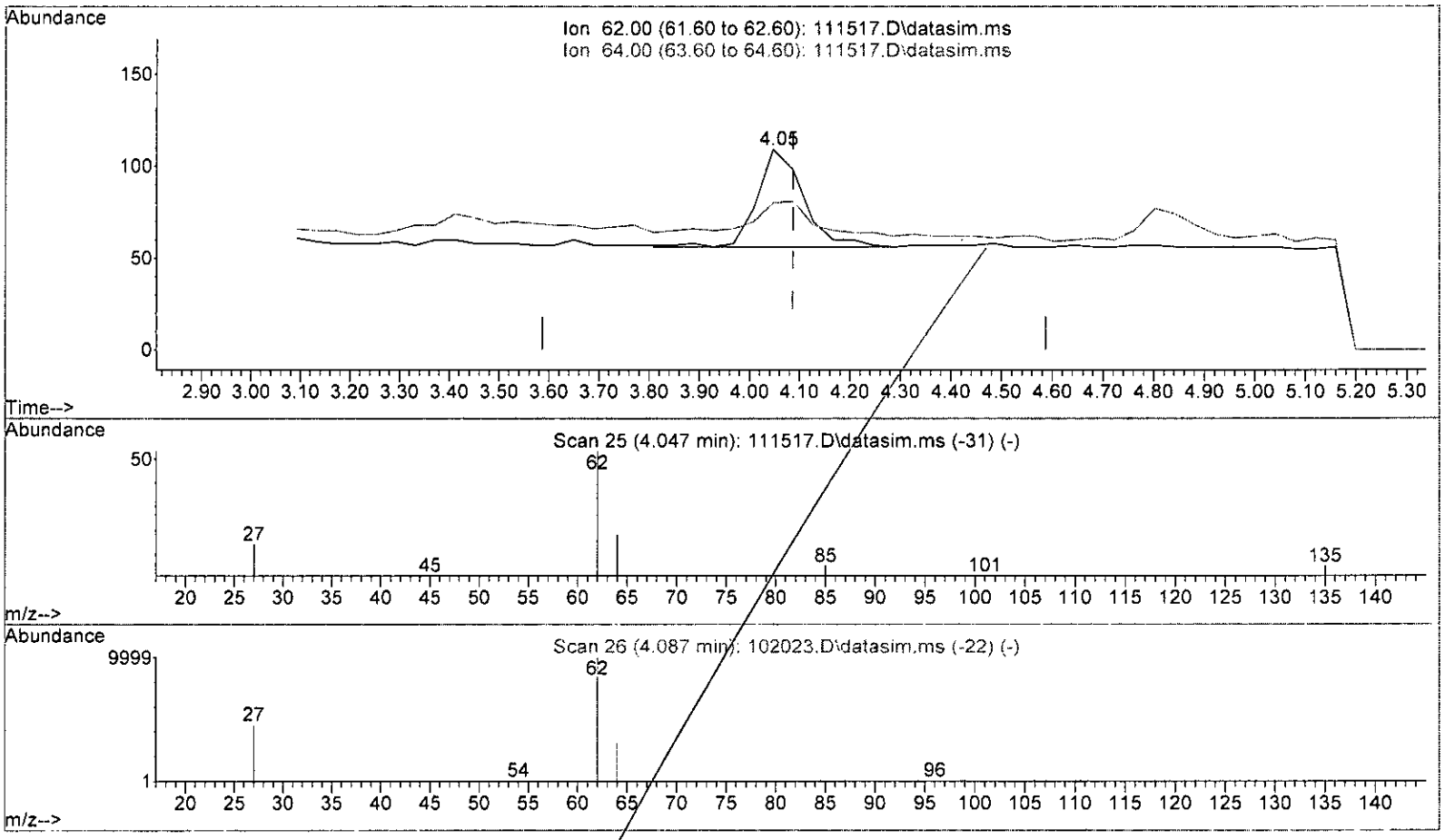
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.000	100.0#	0#	-14.14#
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.000	100.0#	0#	-15.78#
50	TMP	Toluene	0.707	0.000	100.0#	0#	-16.31#
51	TMP	1,1,2-Trichloroethane	0.550	0.903	-64.2#	101	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	1.269	-54.0#	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.02
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	3.545	-80.1#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	2.169	-55.6#	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.000#	100.0#	0#	-18.70#
66	TMP	o-Xylene	0.615	0.000#	100.0#	0#	-19.15#
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.628	9.4	100	0.00
70	TMP	Benzyl chloride	0.987	1.067	-8.1	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.000	100.0#	0#	-20.98#
74	TMP	1,4-Dichlorobenzene	0.947	0.000	100.0#	0#	-21.05#
75	TMP	1,2-Dichlorobenzene	1.024	0.000	100.0#	0#	-21.41#
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	0.000	100.0#	0#	-23.84#
78	TMP	Hexachlorobutadiene	1.045	0.000	100.0#	0#	-24.44#

(#) = Out of Range SPCC's out = 25 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (-0.040) 0.030 ppbv

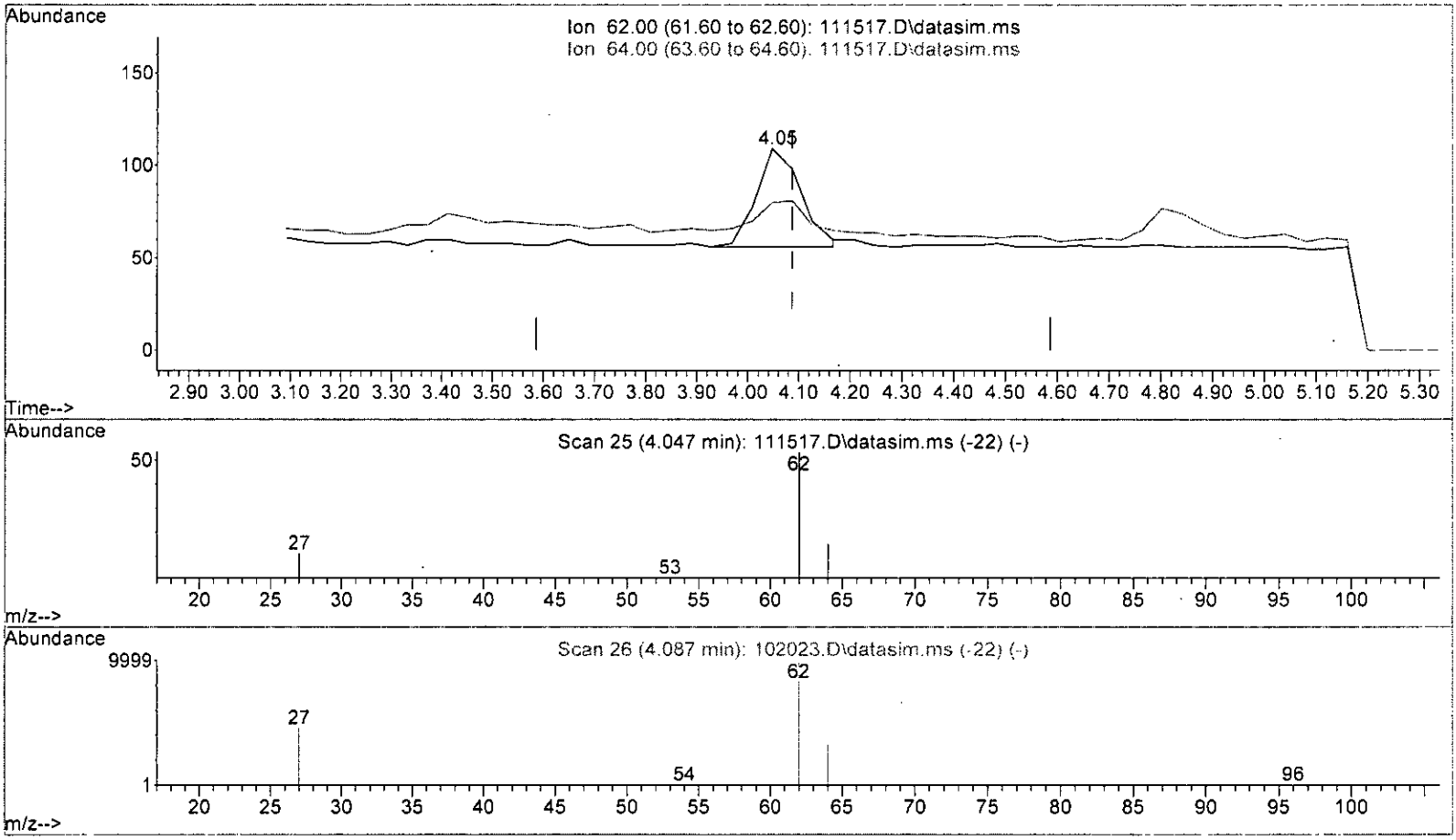
response 343

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	33.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (-0.040) 0.028 ppbv m

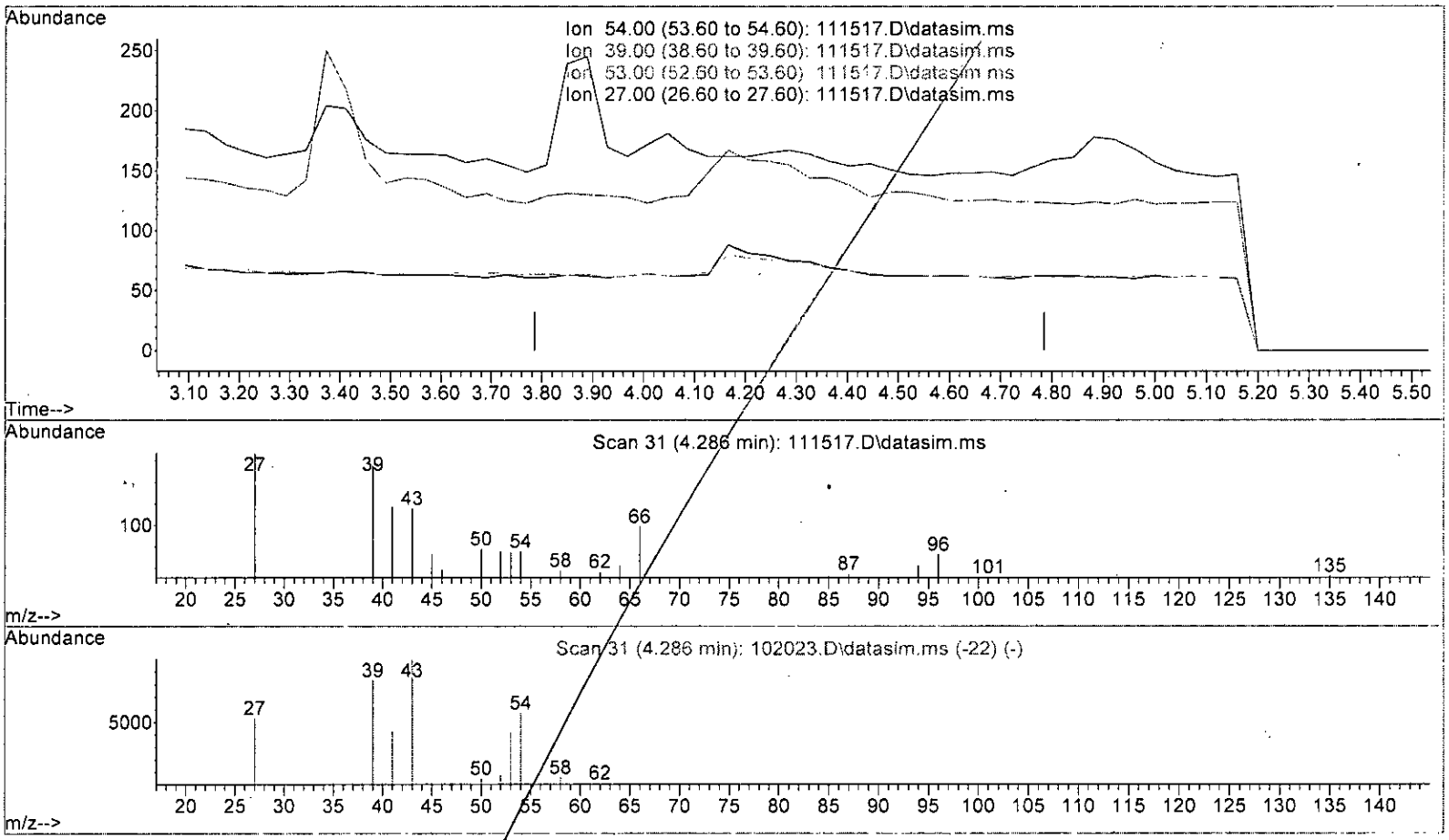
response 324

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	73.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(7) 1,3-Butadiene (TMP)

4.286min (-4.286) 0.000 ppbv

response 0

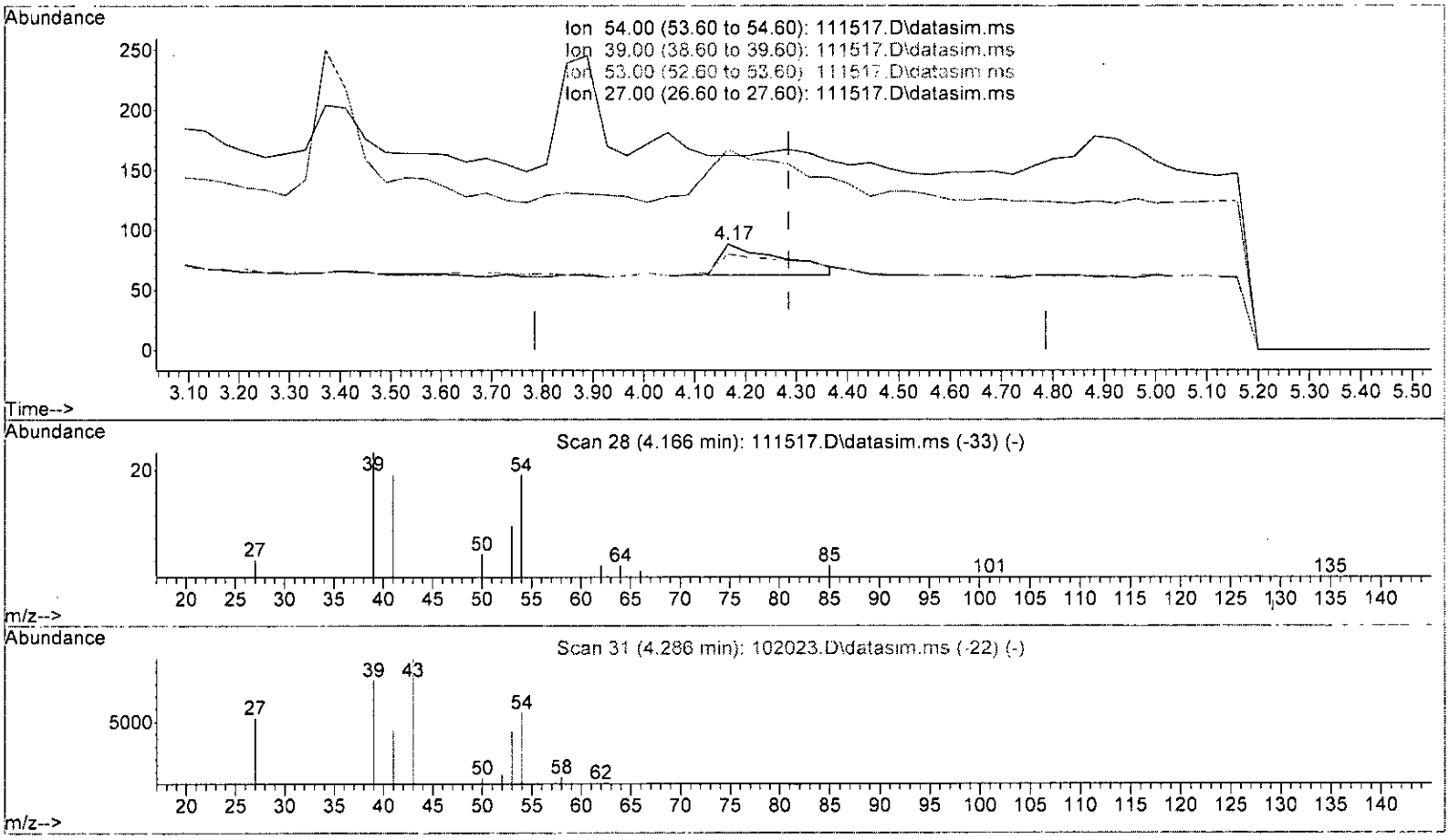
Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

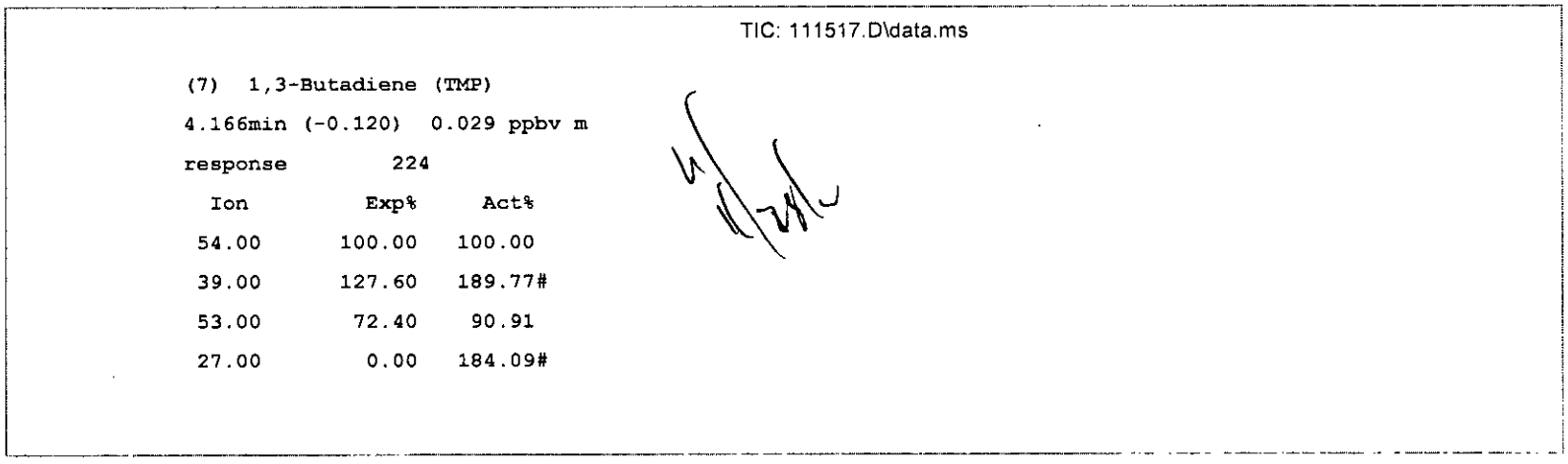
11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





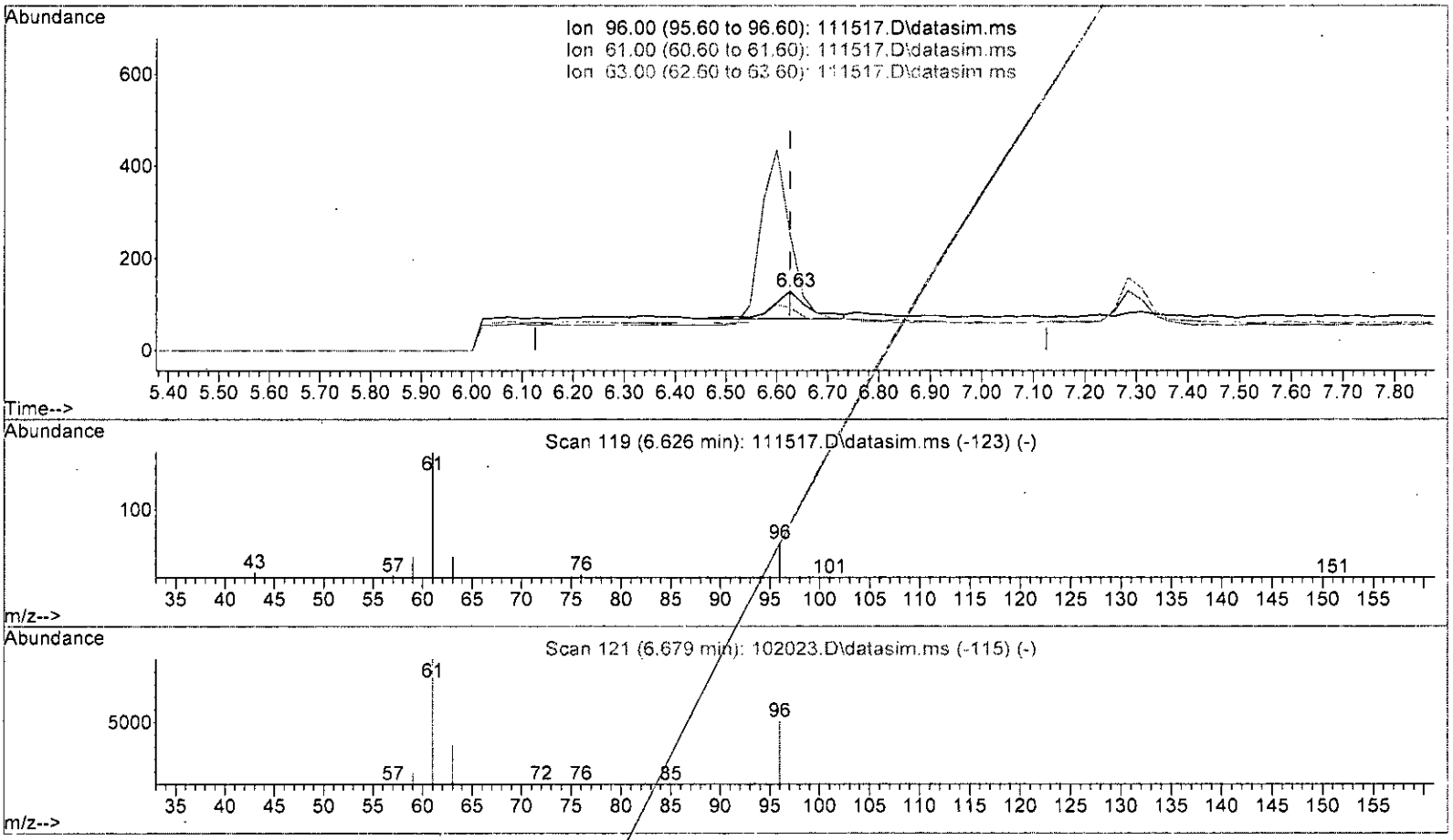
(7) 1,3-Butadiene (TMP)
4.166min (-0.120) 0.029 ppbv m
response 224

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	189.77#
53.00	72.40	90.91
27.00	0.00	184.09#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

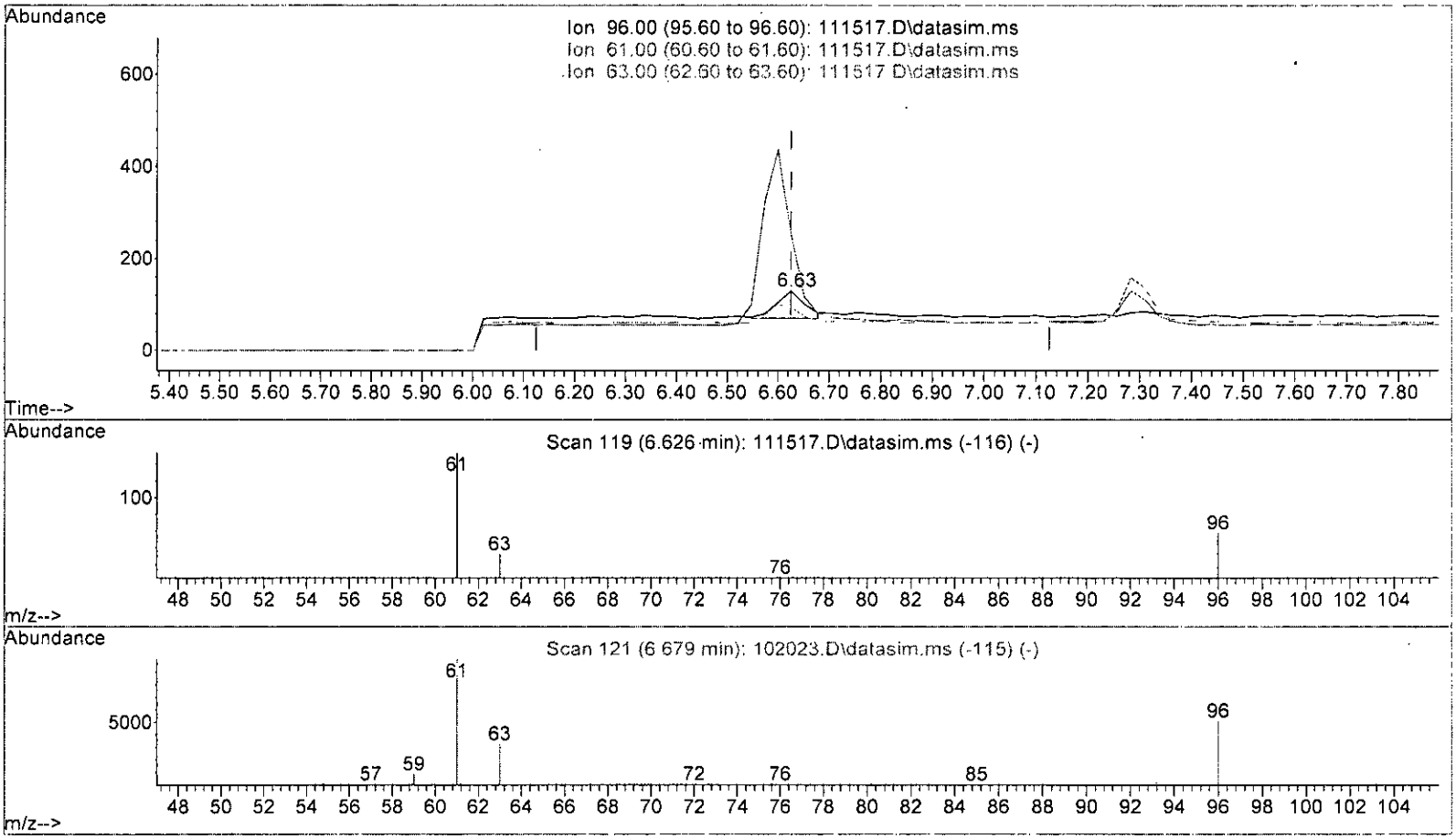
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.028 ppbv
response 293

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	328.33#
63.00	62.00	53.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(18) 1,1-Dichloroethene (TMP)

6.626min (+ 0.000) 0.022 ppbv m

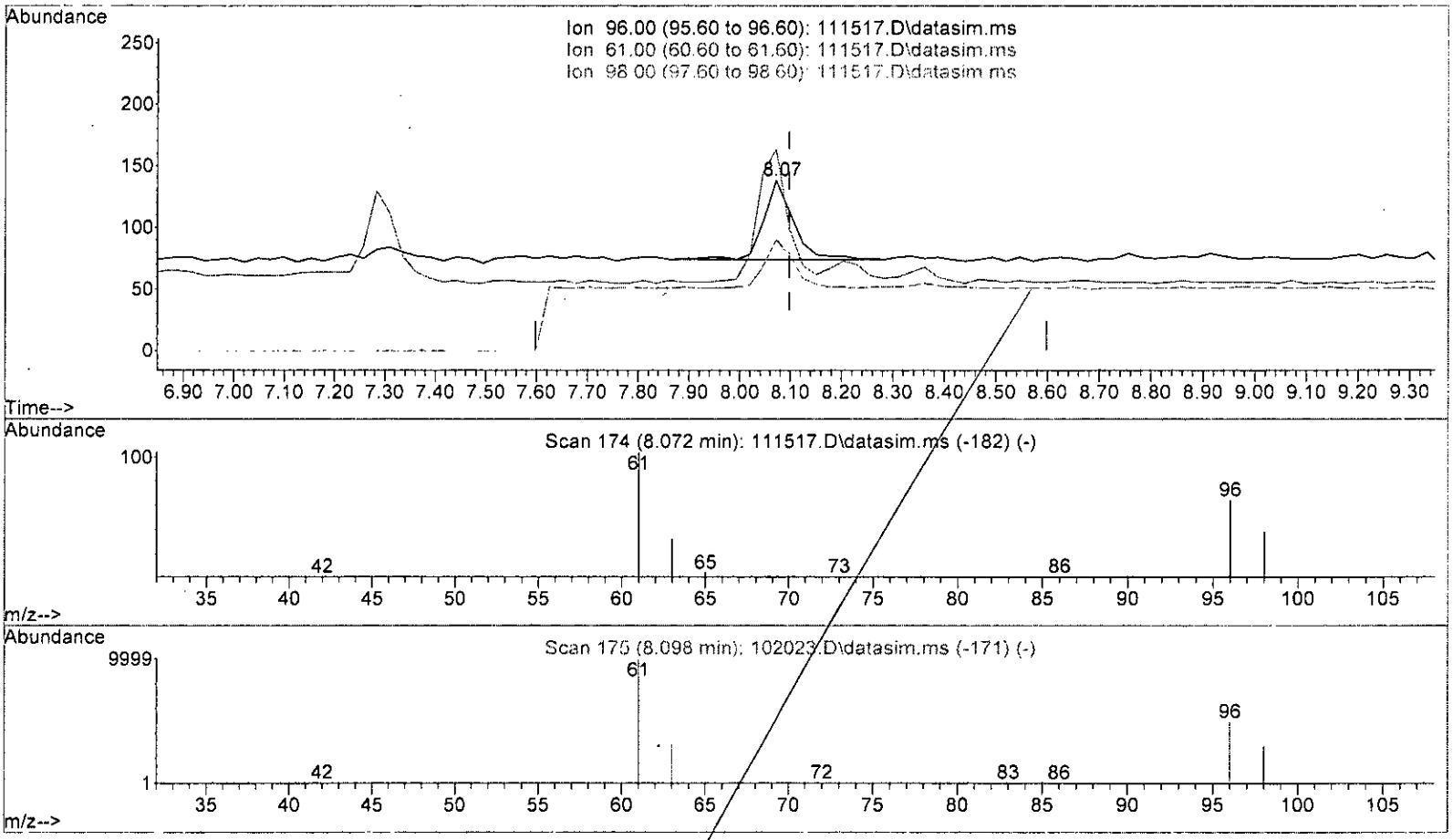
response 230

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	196.12
63.00	62.00	72.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.072min (-0.026) 0.027 ppbv

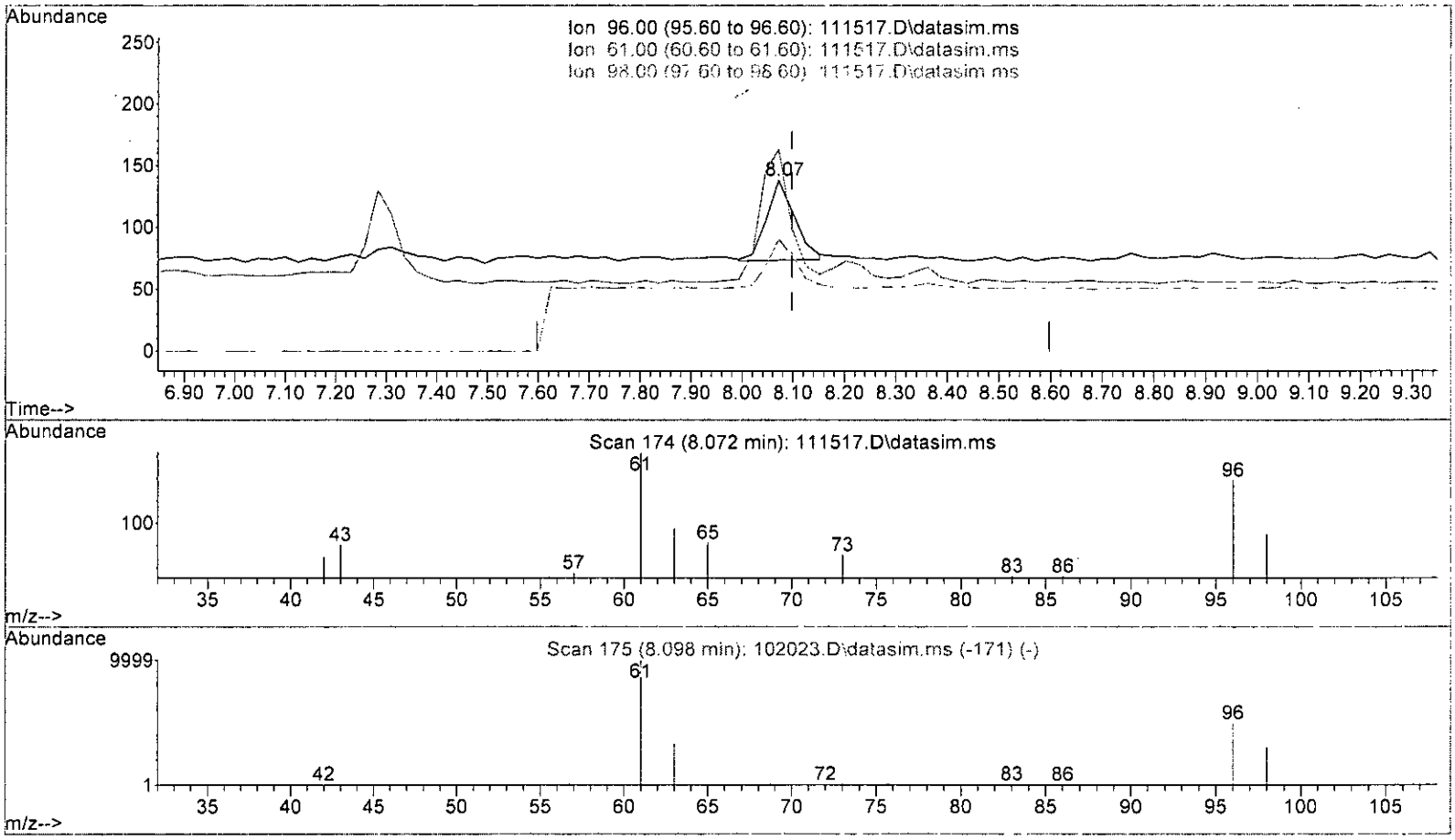
response 266

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	165.63
98.00	64.20	60.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.072min (-0.026) 0.025 ppbv m

response 249

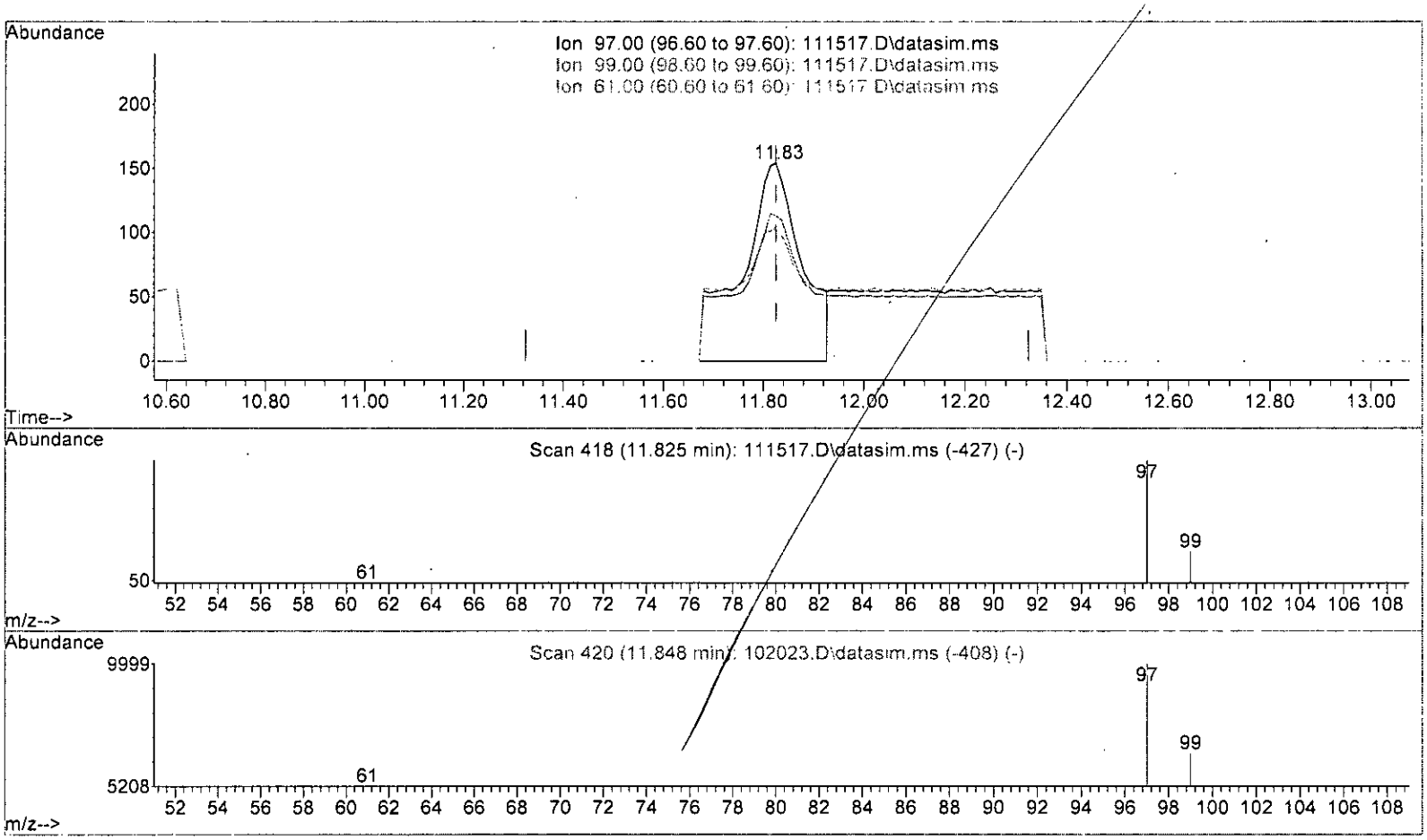
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	118.12#
98.00	64.20	65.22
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.061 ppbv

response 1267

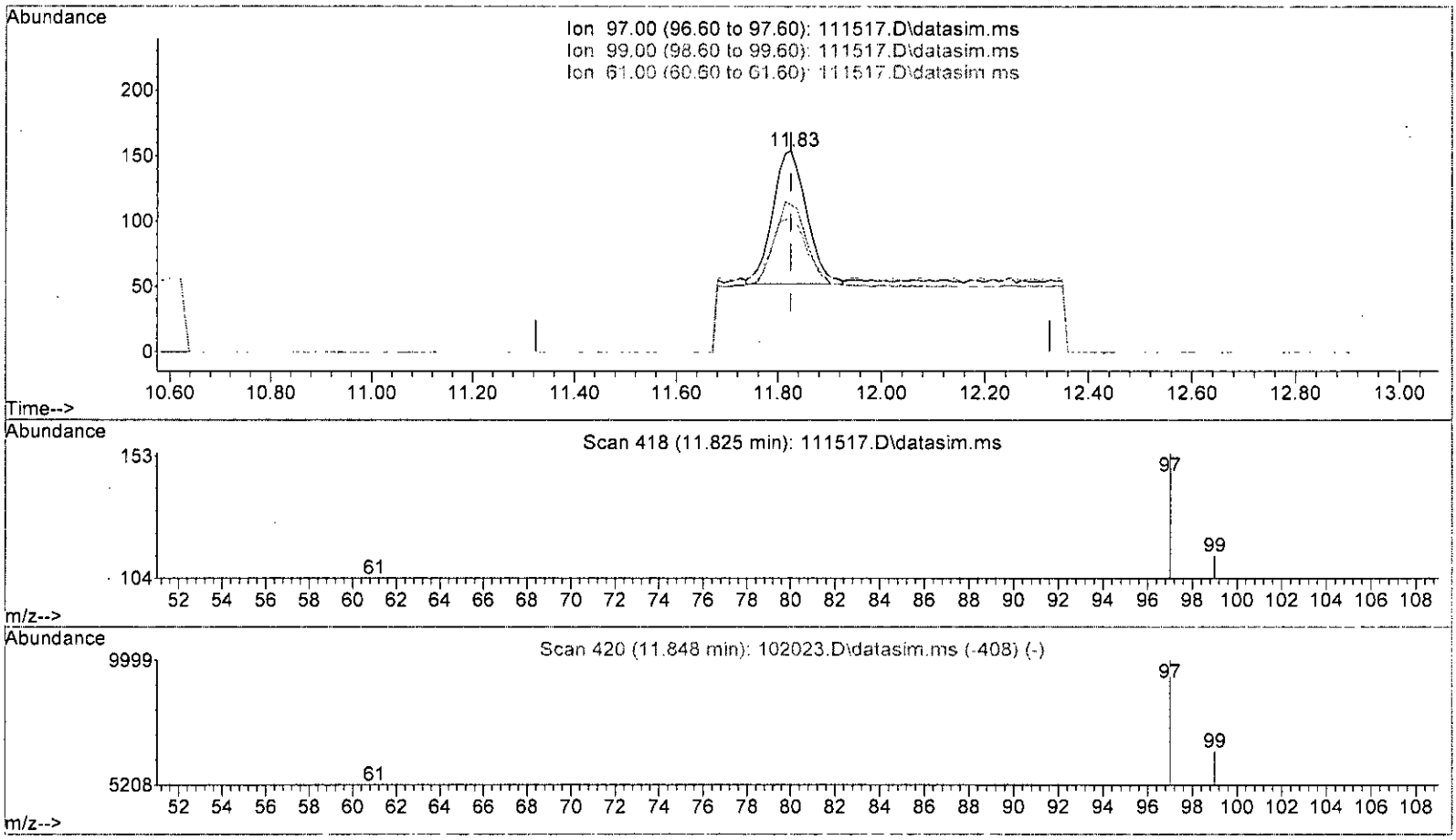
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.38
61.00	49.30	67.53
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.023 ppbv m

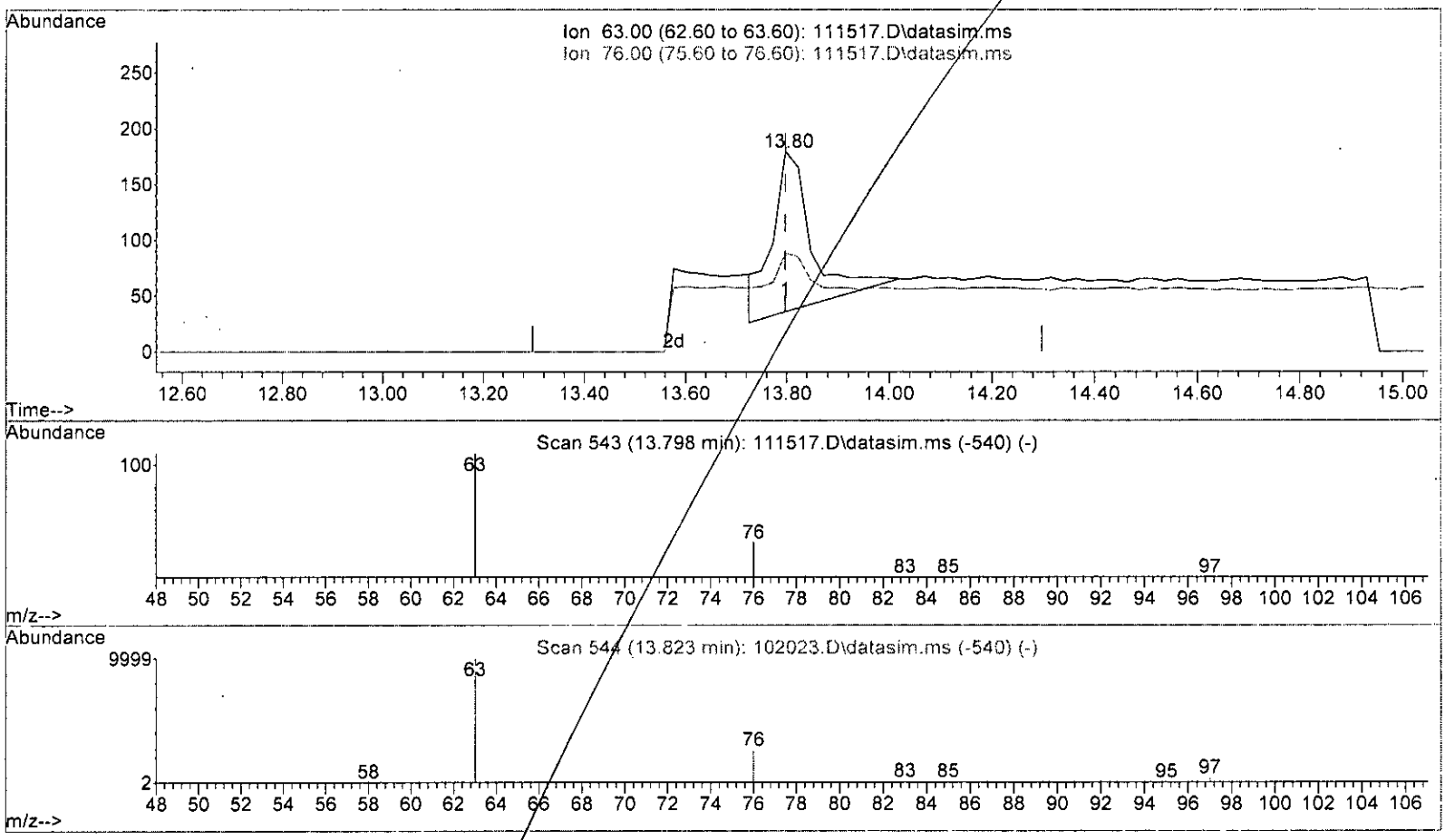
response 472

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.38
61.00	49.30	67.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.050 ppbv

response 771

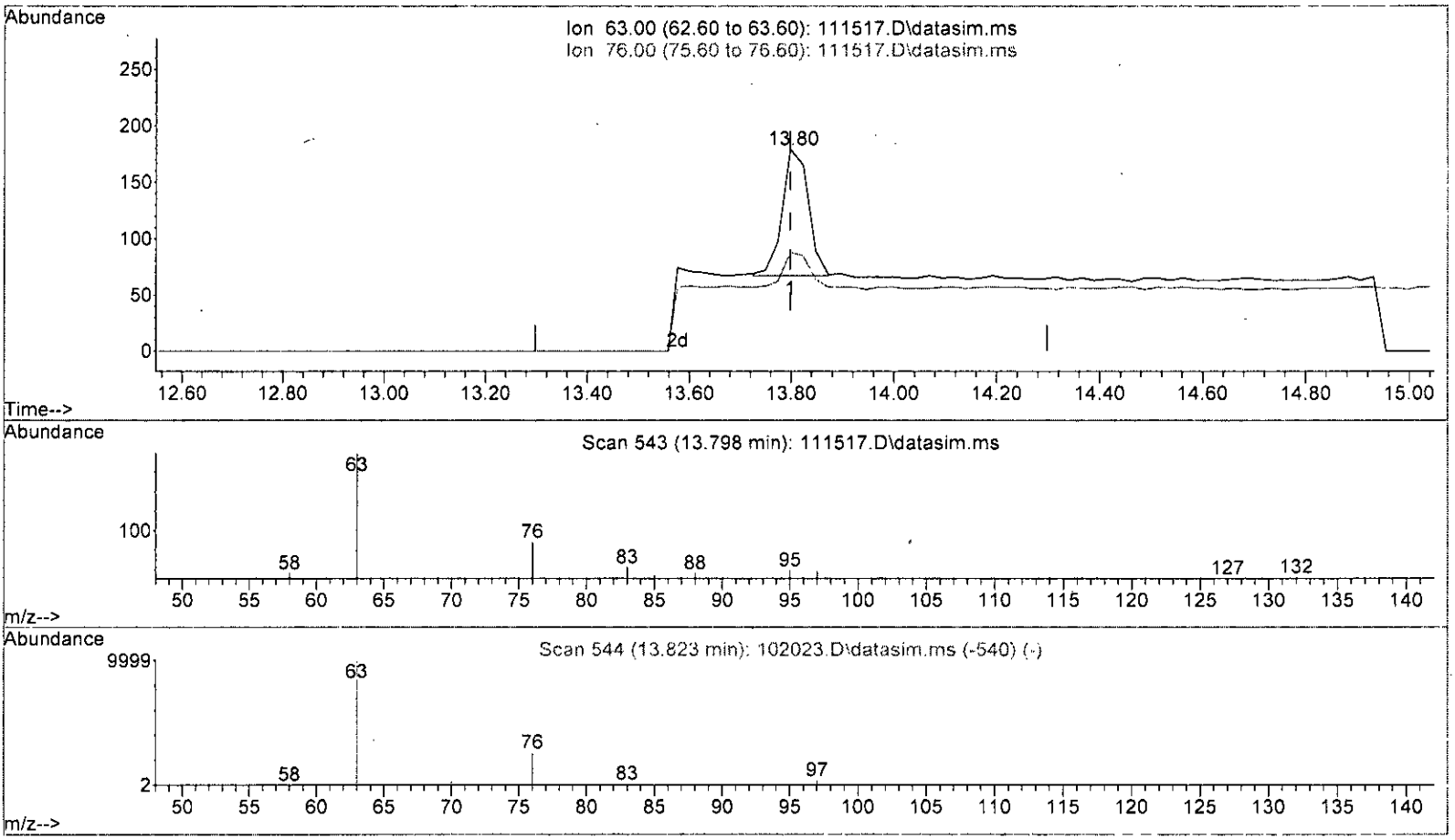
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	28.07
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.026 ppbv m

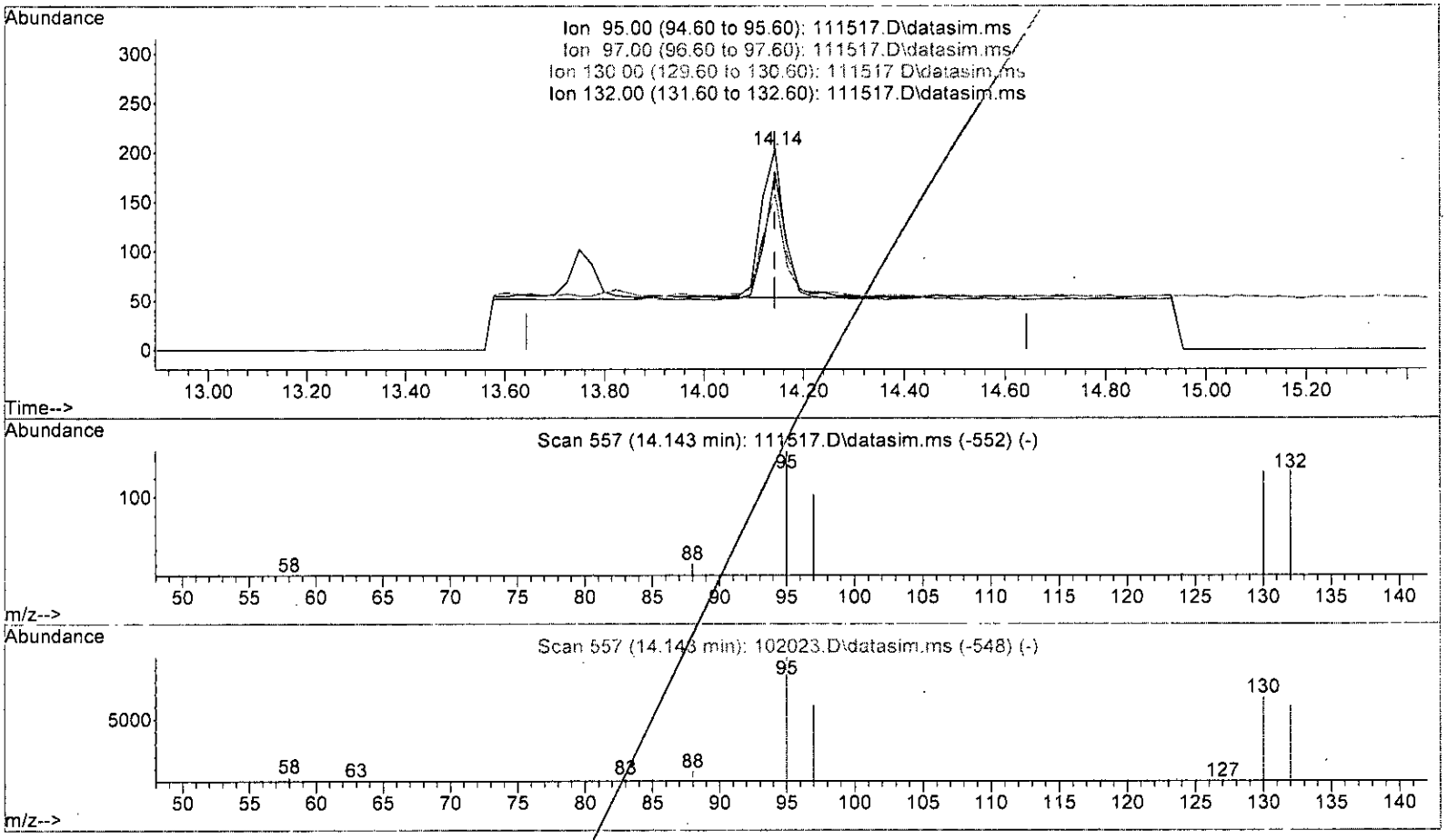
response 396

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	49.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(46) Trichloroethene (TMP)

14.143min (-0.000) 0.029 ppbv

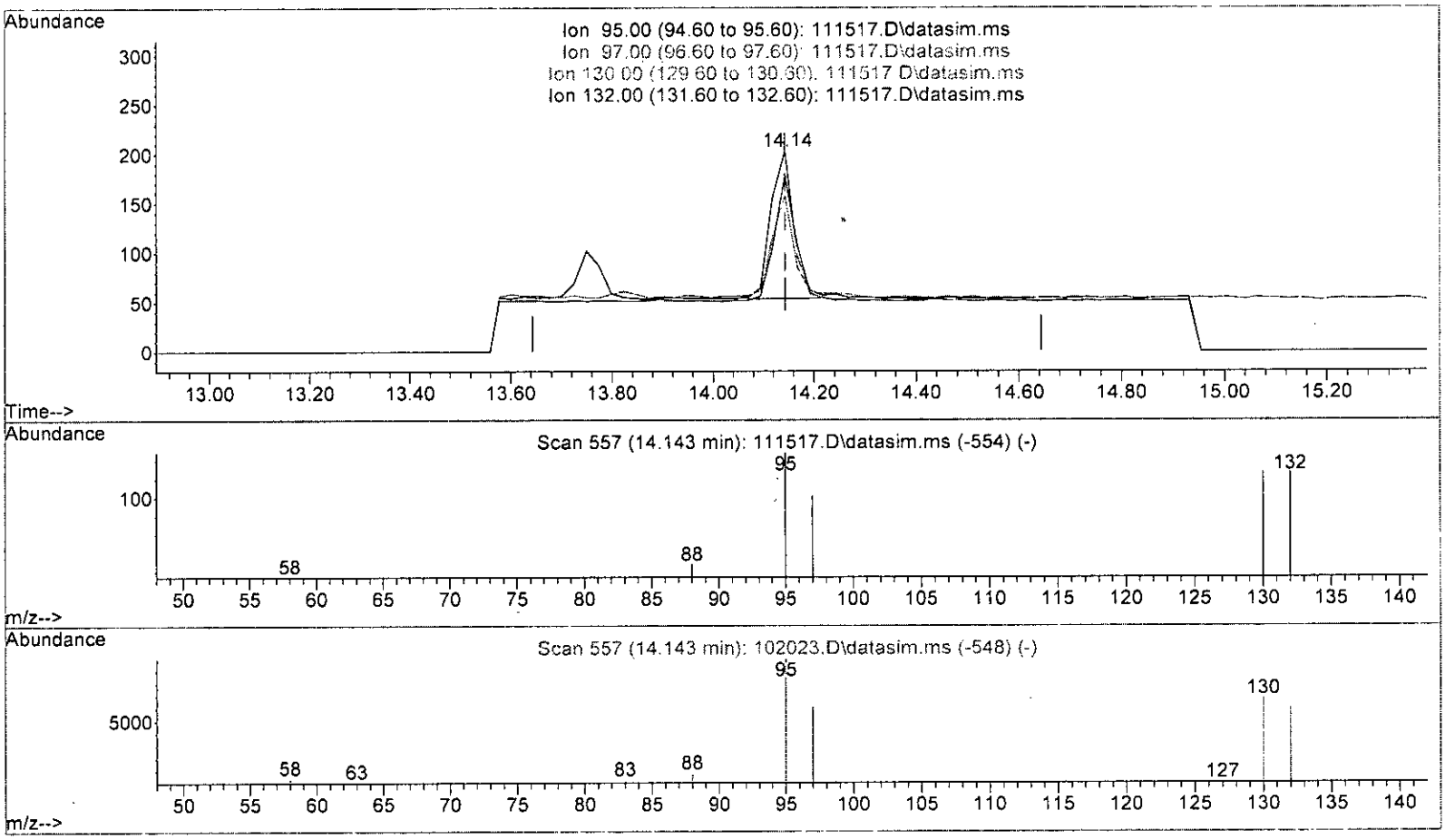
response 498

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	68.67
130.00	86.10	84.67
132.00	84.30	85.33

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(46) Trichloroethene (TMP)

14.143min (-0.000) 0.028 ppbv m

response 467

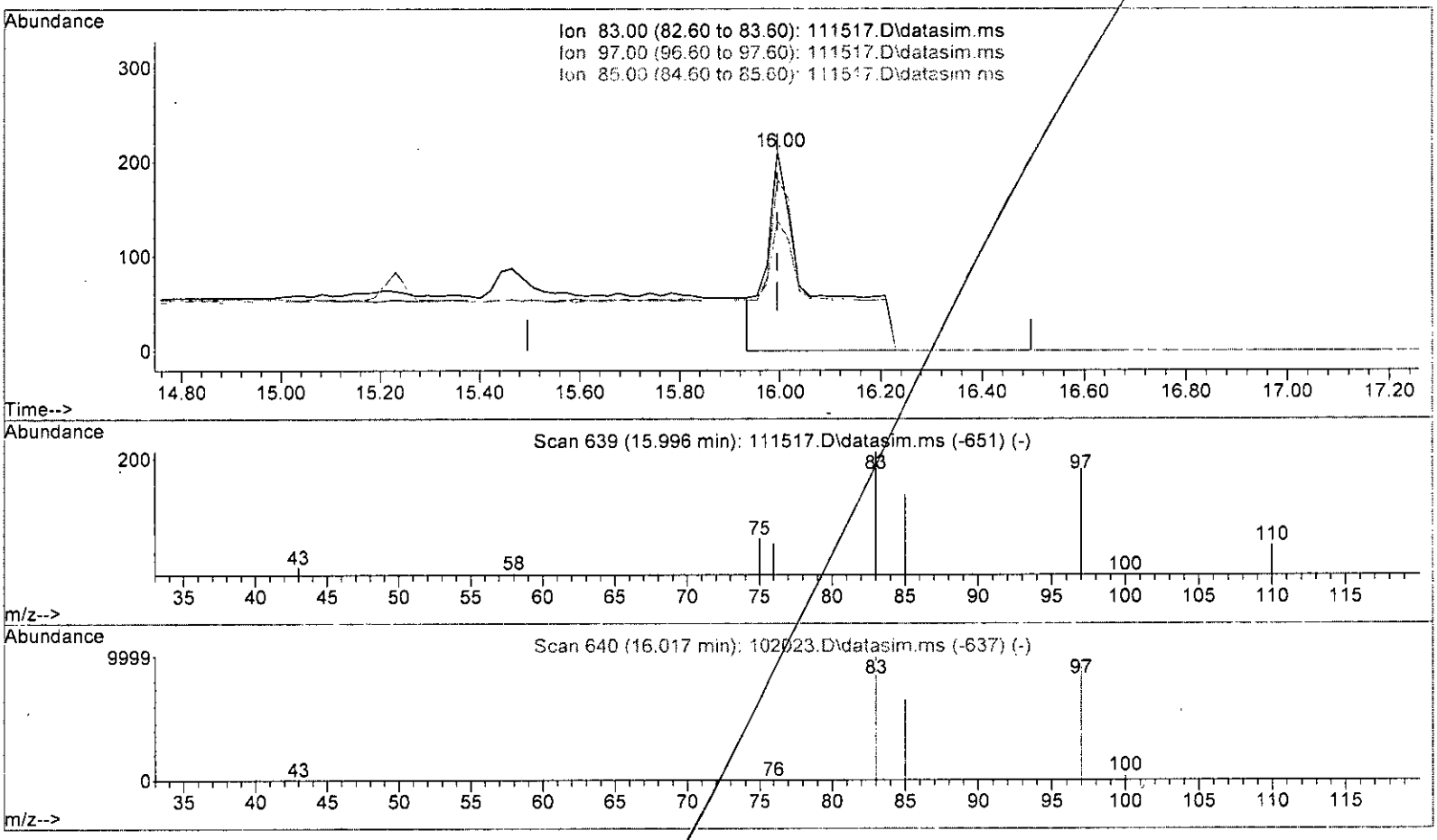
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	77.83
130.00	86.10	87.19
132.00	84.30	88.18

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.084 ppbv

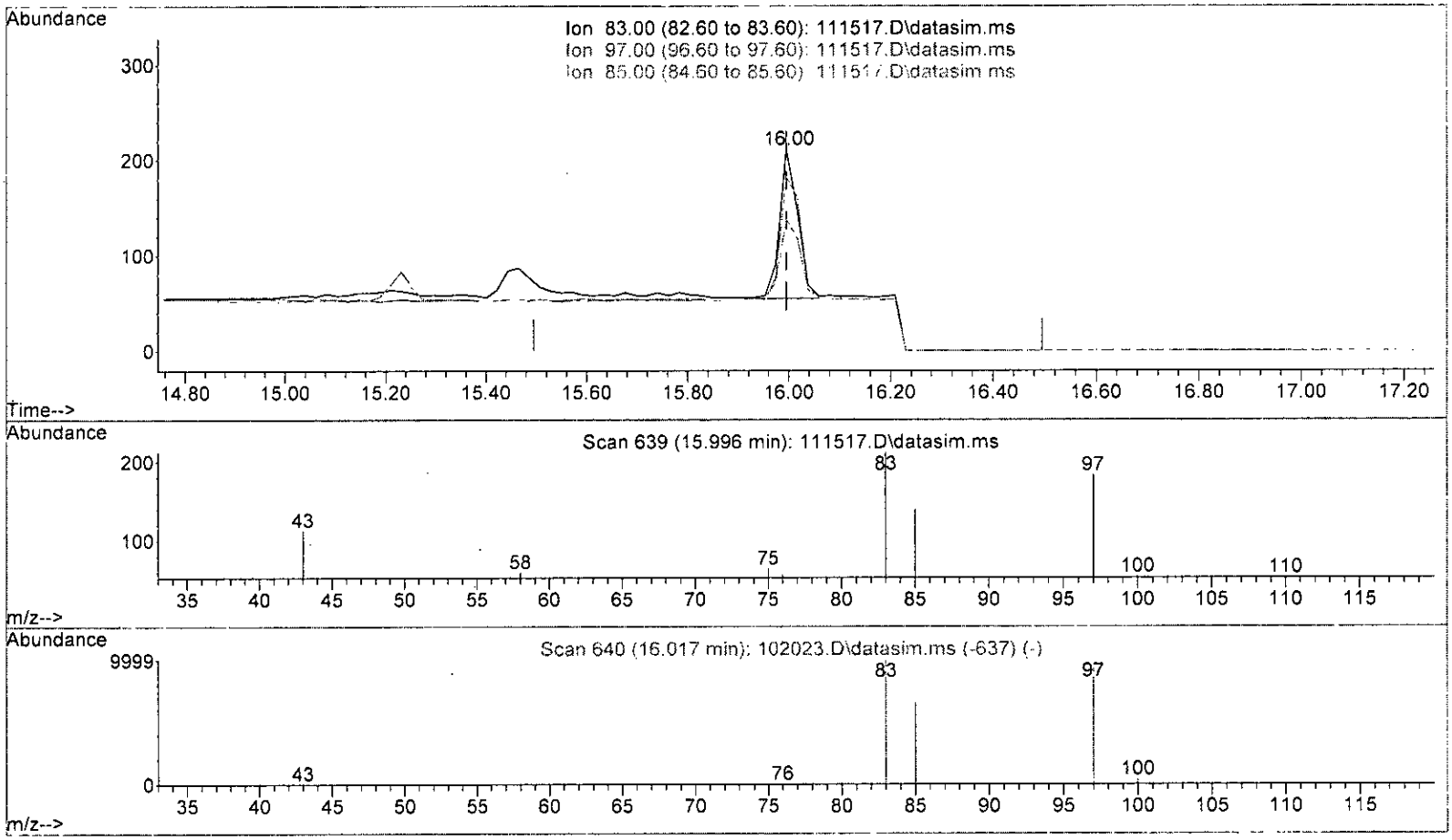
response 1344

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	86.26
85.00	60.50	65.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.021 ppbv m

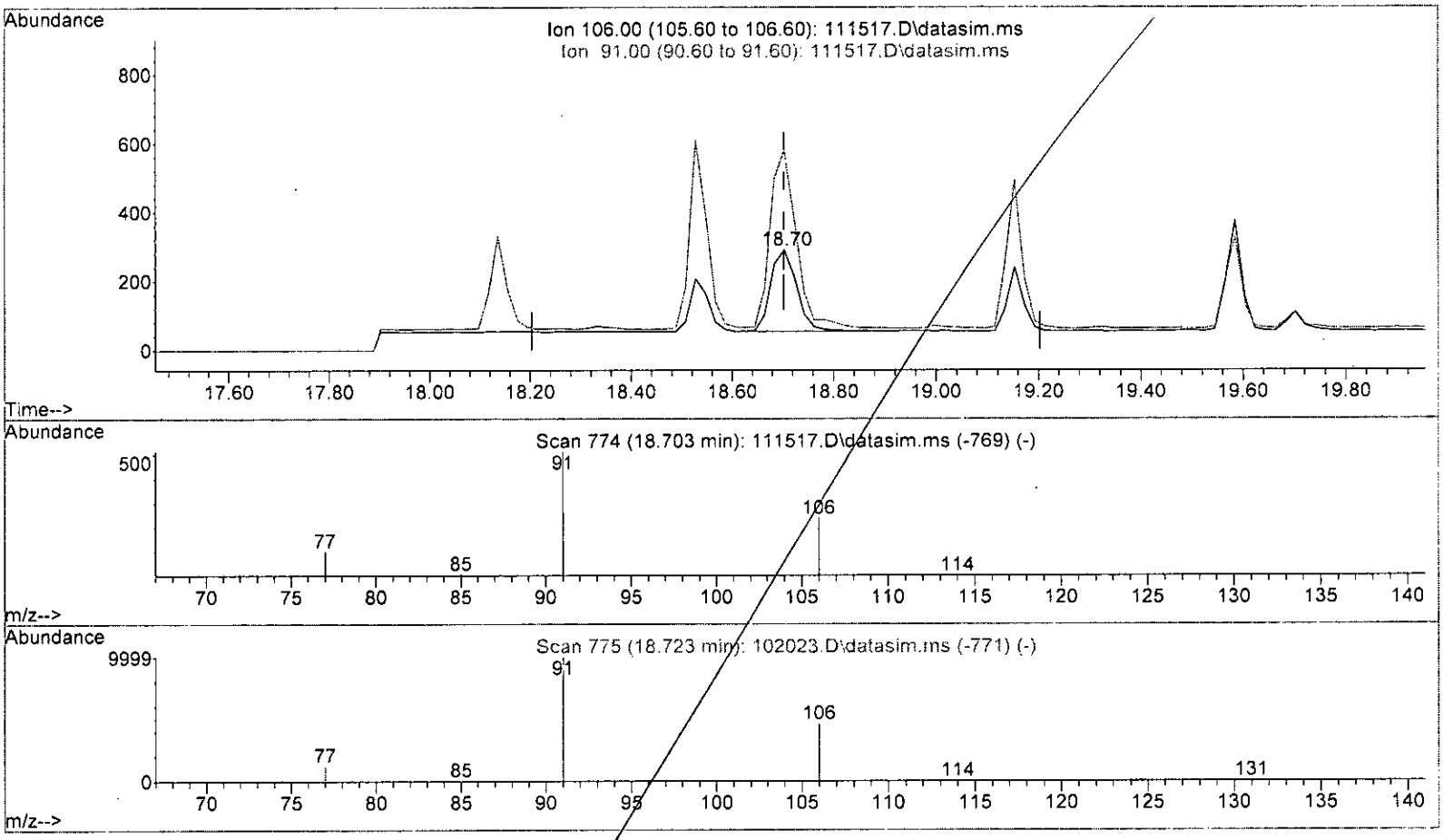
response 393

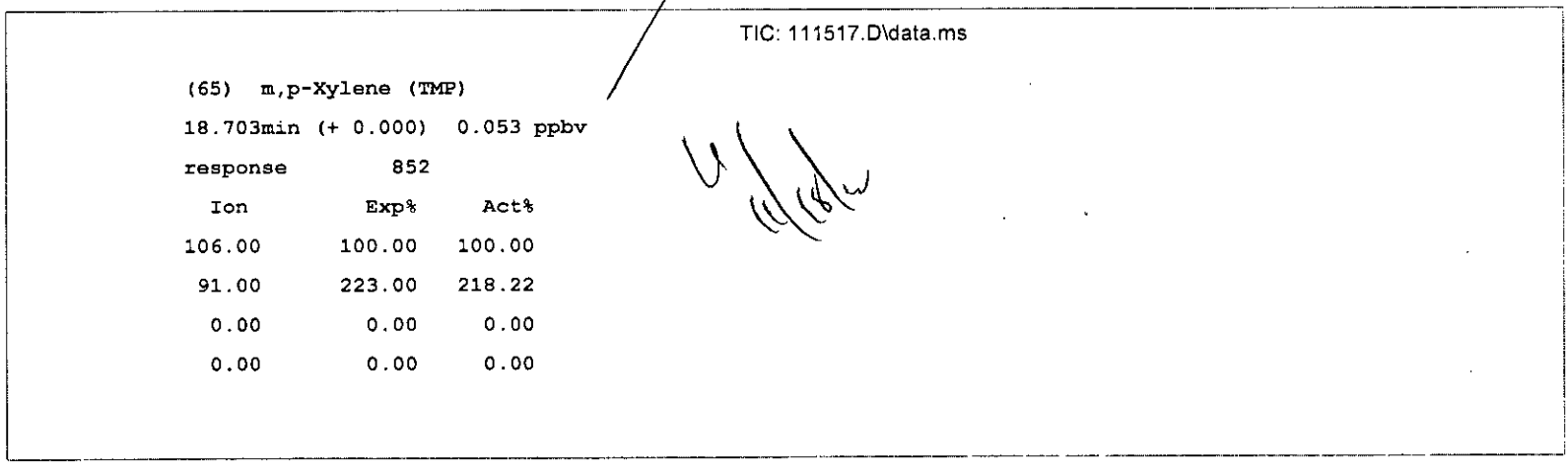
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	86.26
85.00	60.50	65.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





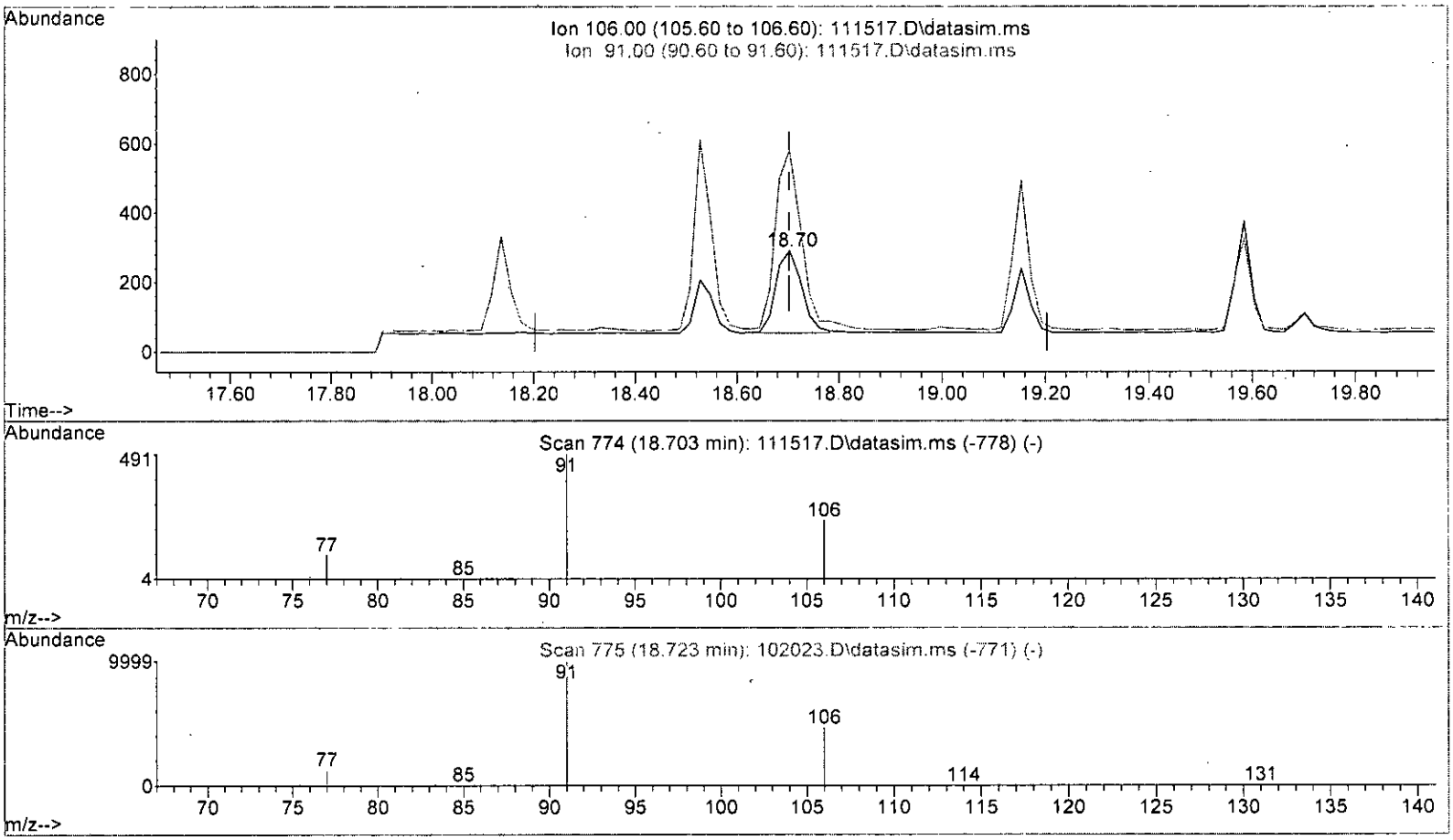
(65) m,p-Xylene (TMP)
18.703min (+ 0.000) 0.053 ppbv
response 852

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	223.00	218.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(65) m,p-Xylene (TMP)

18.703min (+ 0.000) 0.052 ppbv m

response 835

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	223.00	200.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	62504	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	285561	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252187	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	161862	9.261	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.60%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.	d	
6] Vinyl chloride	4.05	62	324m	0.028	ppbv	
7] 1,3-Butadiene	4.17	54	224m	0.029	ppbv	
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.	d	
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	230m	0.022	ppbv	
19] trans-1,2-Dichloroethene	8.07	96	249m	0.025	ppbv	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	517	0.025	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	278	0.026	ppbv	92
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	588	0.020	ppbv	96
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.34	62	385	0.020	ppbv	99
35] 1,1,1-Trichloroethane	11.83	97	472m	0.023	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	396m	0.026	ppbv	

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

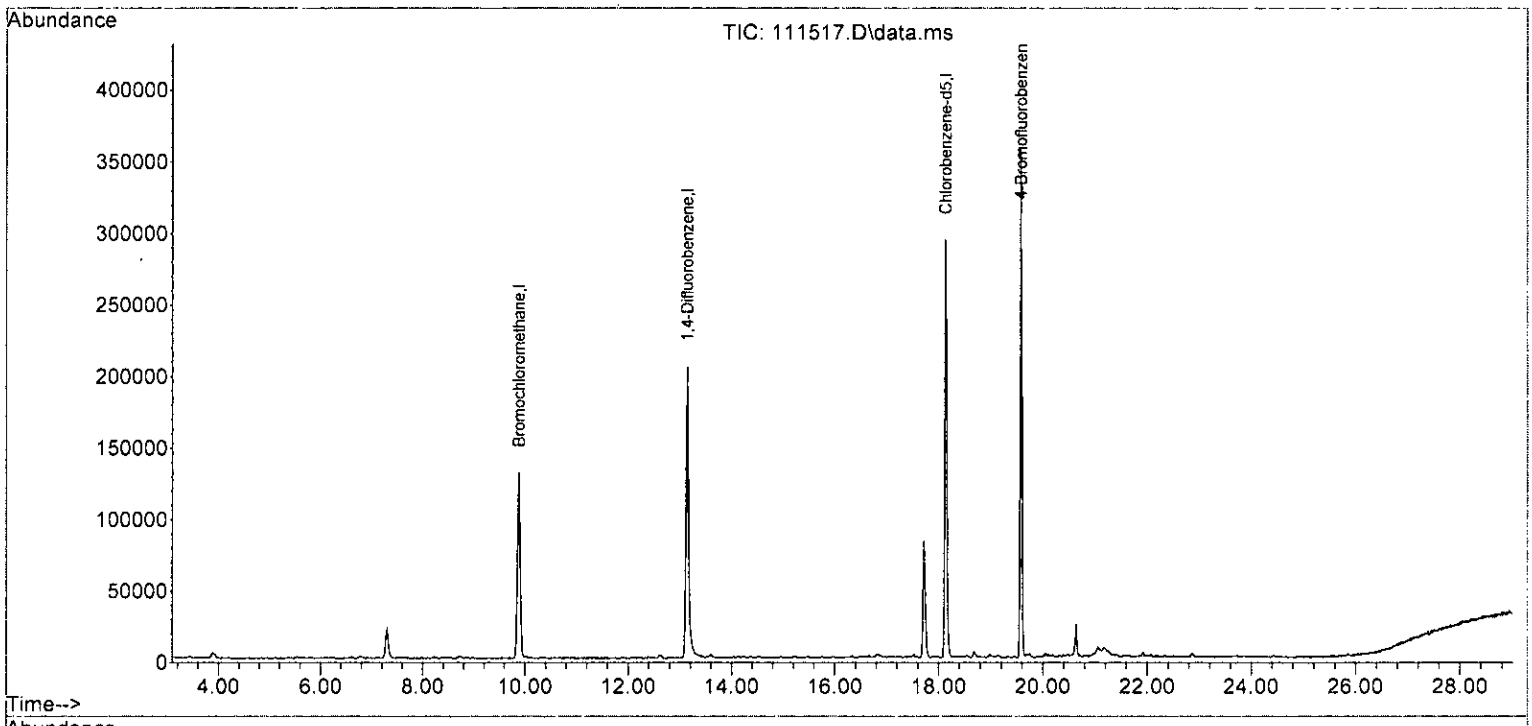
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	d	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	467m	0.028	ppbv	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51] 1,1,2-Trichloroethane	16.00	83	393m	0.021	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	566	0.019	ppbv	93
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	1313	0.022	ppbv	99
59] 1,1,2,2-Tetrachloroethane	19.13	83	797	0.019	ppbv	98
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	835m	0.052	ppbv	
66] o-Xylene	19.15	106	403	0.026	ppbv	96
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70] Benzyl chloride	20.95	91	391	0.014	ppbv	97
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74] 1,4-Dichlorobenzene	21.05	146	563	0.024	ppbv	94
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
77] Naphthalene	23.86	128	958	0.021	ppbv	99
78] Hexachlorobutadiene	24.44	225	626	0.024	ppbv	98

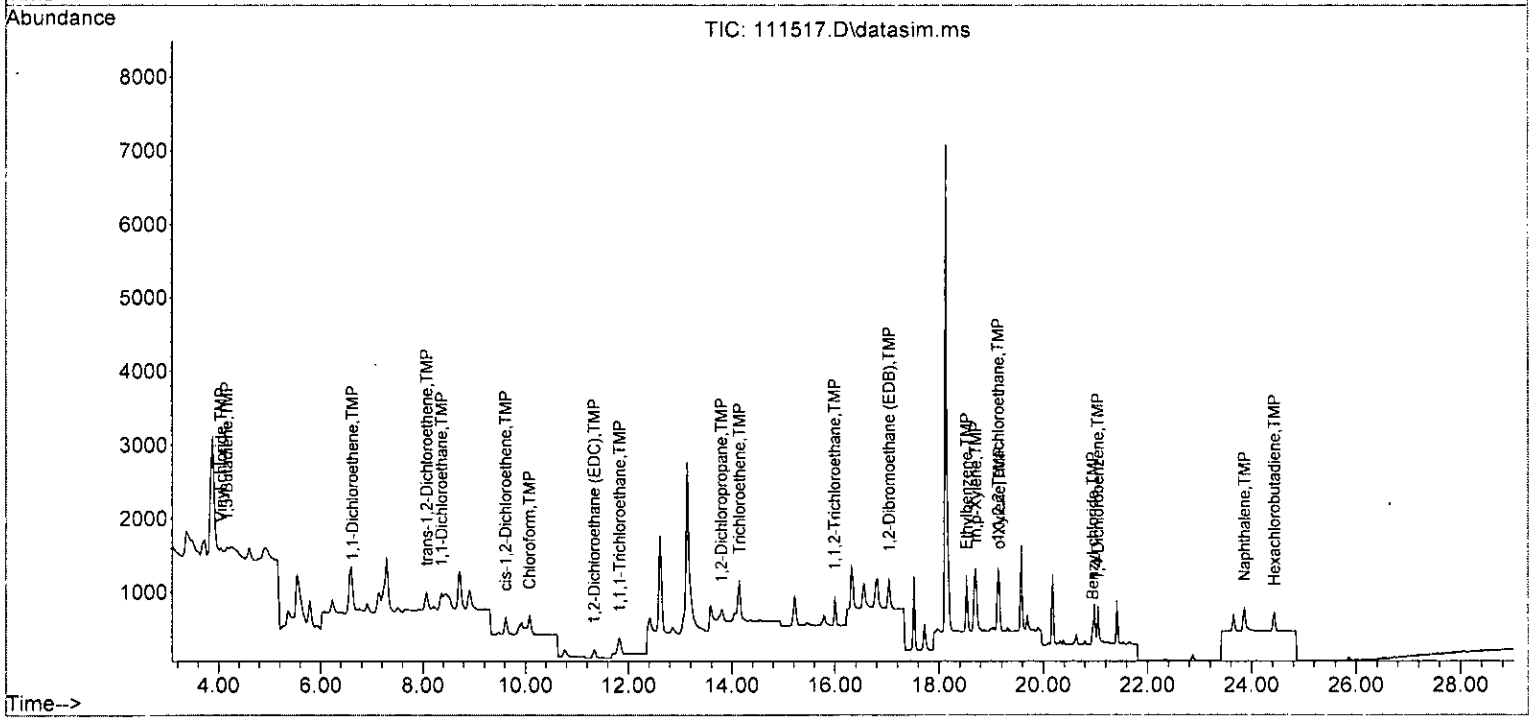
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.88#
6	TMP	Vinyl chloride	0.020	0.028	-40.0#	94	-0.04
7	TMP	1,3-Butadiene	0.020	0.029	-45.0#	94	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	-1.000	0.000	0.0	0	-5.32#
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.020	0.000	100.0#	0	-5.42#
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.020	0.022	-10.0	78	0.00
19	TMP	trans-1,2-Dichloroethene	0.020	0.025	-25.0	94	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	-1.000	0.000	0.0	0	-7.15#
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.020	0.025	-25.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.020	0.026	-30.0	100	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.020	0.020	0.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.020	0.020	0.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.020	0.023	-15.0	103	0.00
36	TMP	Carbon tetrachloride	0.020	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.020	0.000	100.0#	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.020	0.026	-30.0	102	0.00
41	TMP	1,4-Dioxane	-1.000	0.000	0.0	0	-14.09#
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.020	0.028	-40.0#	94	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.78#
50	TMP	Toluene	-1.000	0.000	0.0	0	-16.31#
51	TMP	1,1,2-Trichloroethane	0.020	0.021	-5.0	101	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.020	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.020	0.019	5.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.020	0.022	-10.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.020	0.019	5.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.040	0.052	-30.0	98	0.00
66	TMP	o-Xylene	0.020	0.026	-30.0	100	0.00
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.261	7.4	100	0.00
70	TMP	Benzyl chloride	0.020	0.014	30.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.98#
74	TMP	1,4-Dichlorobenzene	0.020	0.024	-20.0	100	0.00
75	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-21.41#
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	0.020	0.021	-5.0	100	0.02
78	TMP	Hexachlorobutadiene	0.020	0.024	-20.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	0.000	100.0#	0#	-3.88#
6	TMP	Vinyl chloride	1.851	2.592	-40.0#	94	-0.04
7	TMP	1,3-Butadiene	1.216	1.792	-47.4#	94	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	0.000	100.0#	0#	-5.32#
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.000	100.0#	0#	-5.42#
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.840	-11.9	78	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.992	-24.7	94	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	0.000	100.0#	0#	-7.15#
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	4.136	-23.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	2.224	-31.6#	100	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	4.704	-15.9	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	3.080	-14.6	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.776	-13.0	103	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.693	-28.1	102	0.00
41	TMP	1,4-Dioxane	0.230	0.000	100.0#	0#	-14.09#
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

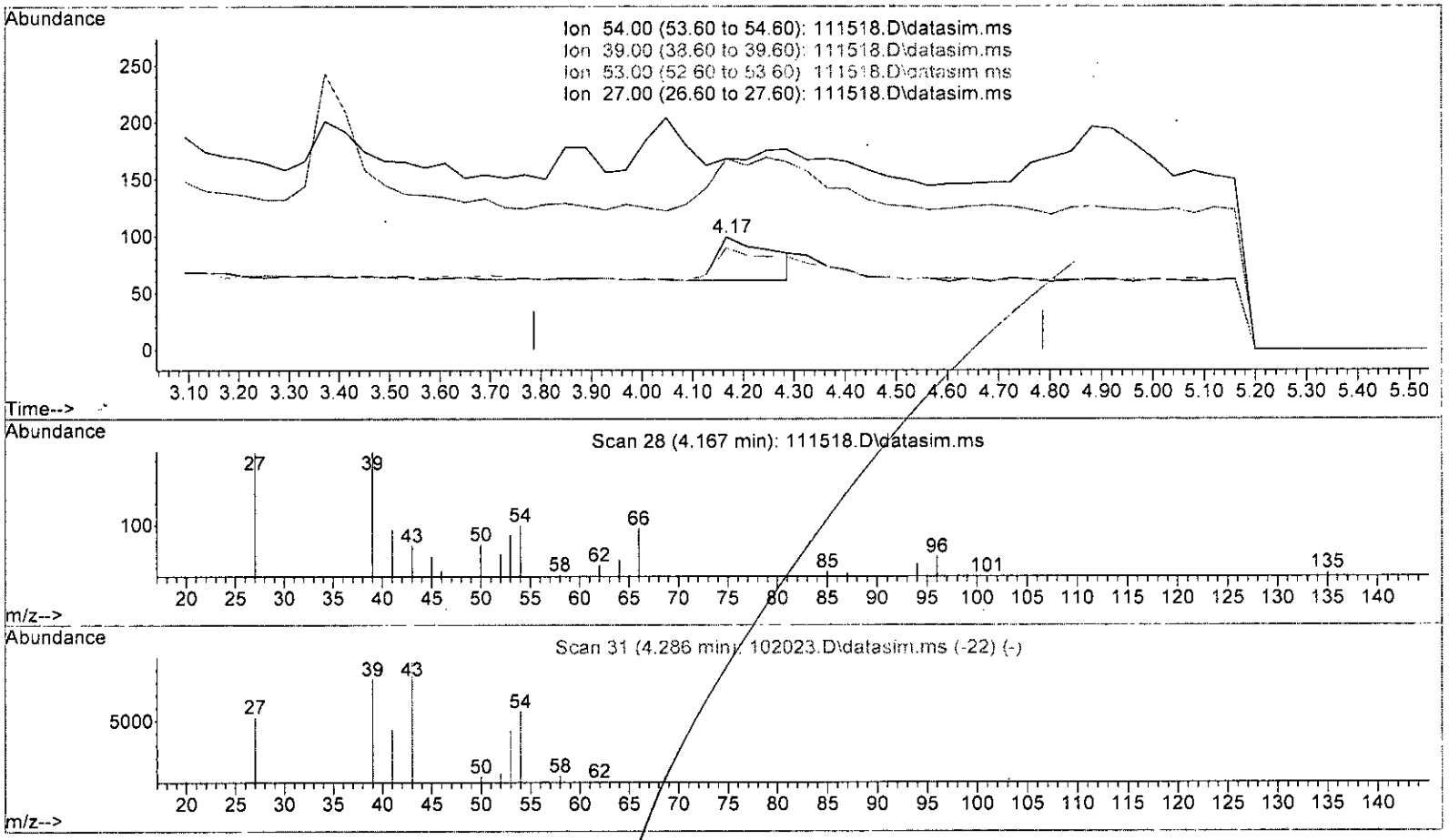
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.818	-37.9#	94	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.000	100.0#	0#	-15.78#
50	TMP	Toluene	0.707	0.000	100.0#	0#	-16.31#
51	TMP	1,1,2-Trichloroethane	0.550	0.688	-25.1	101	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.991	-20.3	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	2.603	-32.3#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.580	-13.3	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.828	-30.8#	98	0.00
66	TMP	o-Xylene	0.615	0.799	-29.9	100	0.00
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.642	7.4	100	0.00
70	TMP	Benzyl chloride	0.987	0.775	21.5	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.000	100.0#	0#	-20.98#
74	TMP	1,4-Dichlorobenzene	0.947	1.116	-17.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.000	100.0#	0#	-21.41#
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	1.899	-67.8#	100	0.02
78	TMP	Hexachlorobutadiene	1.045	1.241	-18.8	100	0.00

(#) = Out of Range SPCC's out = 18 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.039 ppbv m

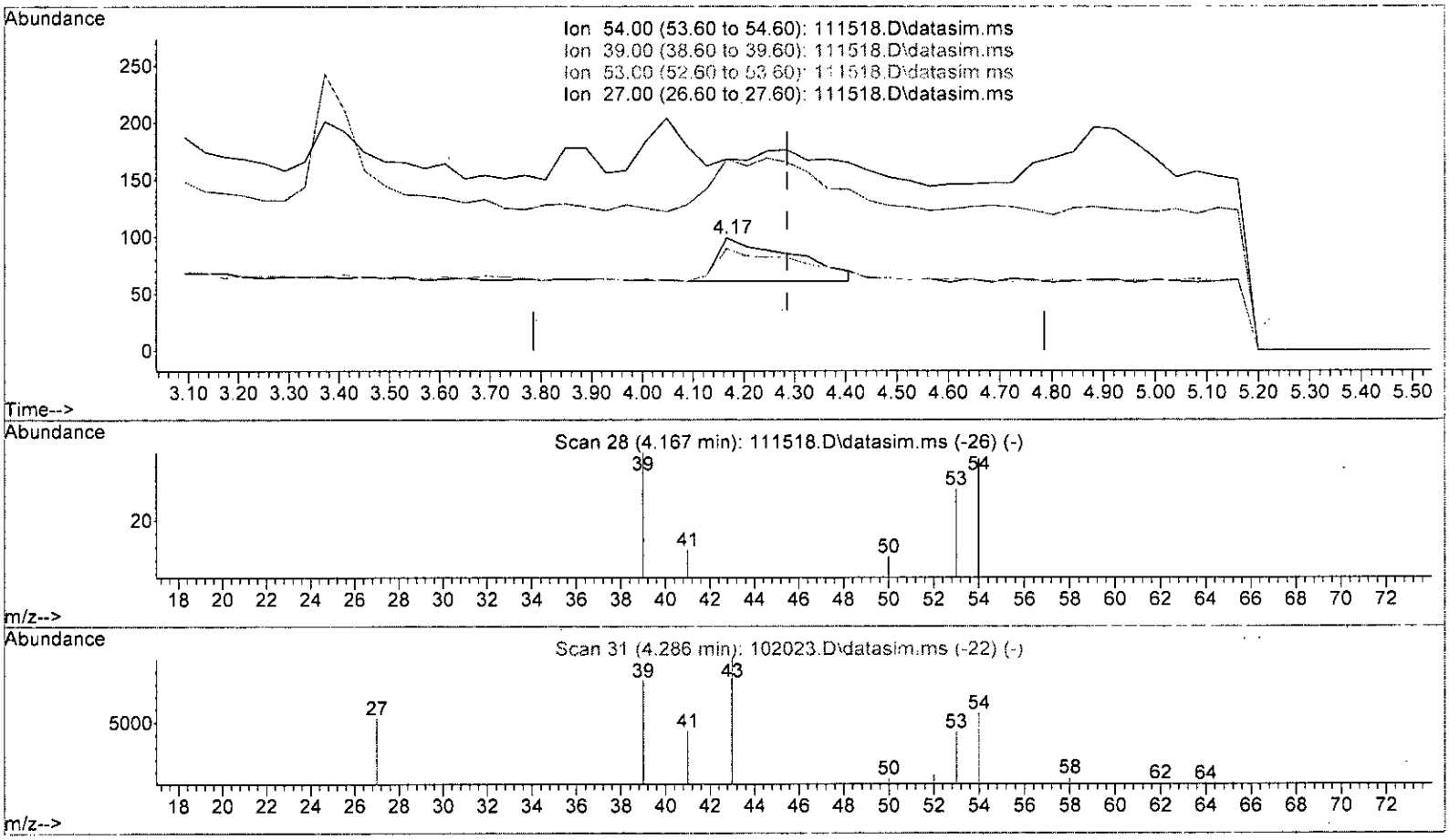
response 296

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	169.70#
53.00	72.40	90.91
27.00	0.00	169.70#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.052 ppbv m

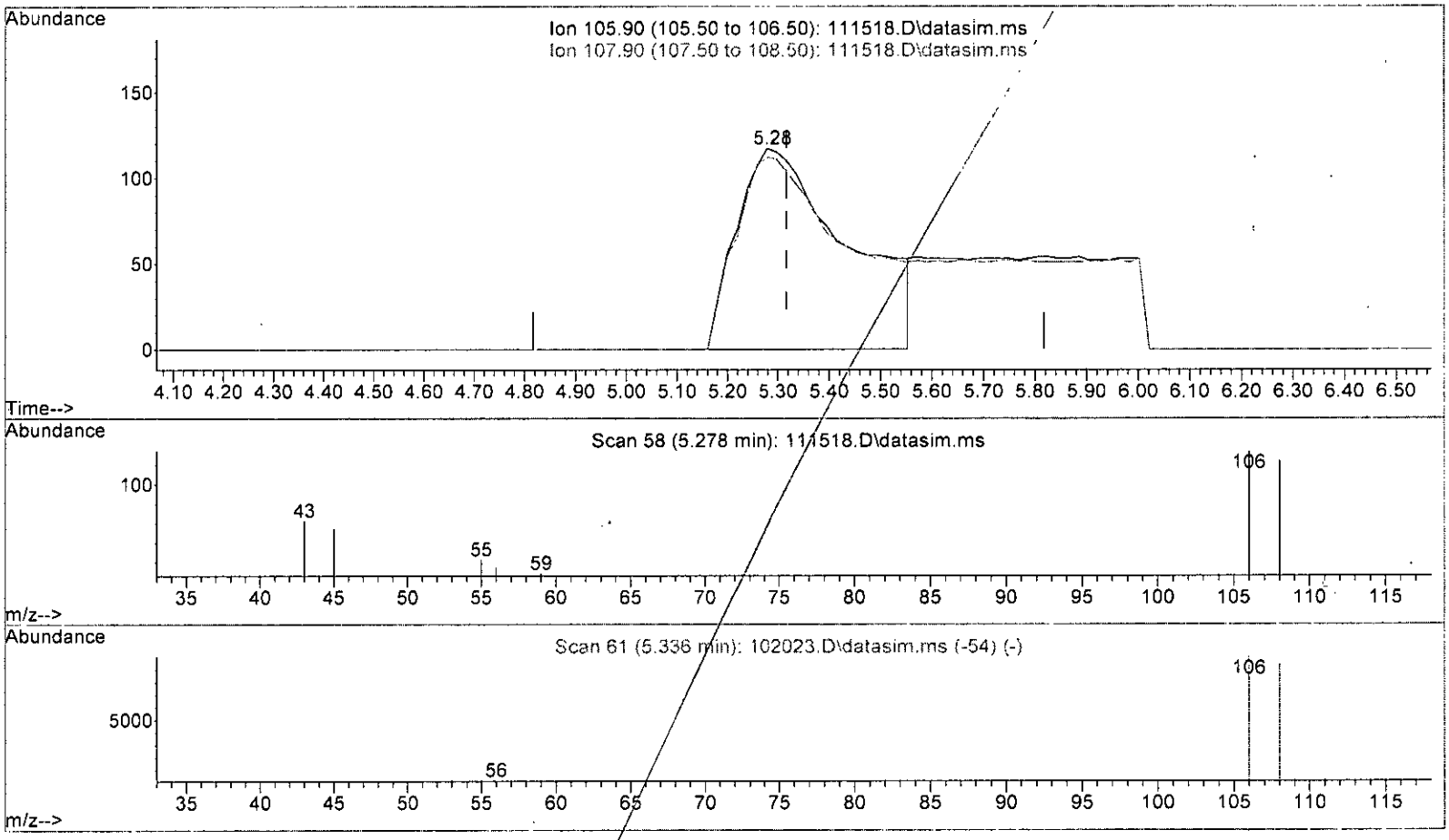
response 398

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	169.70#
53.00	72.40	90.91
27.00	0.00	169.70#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

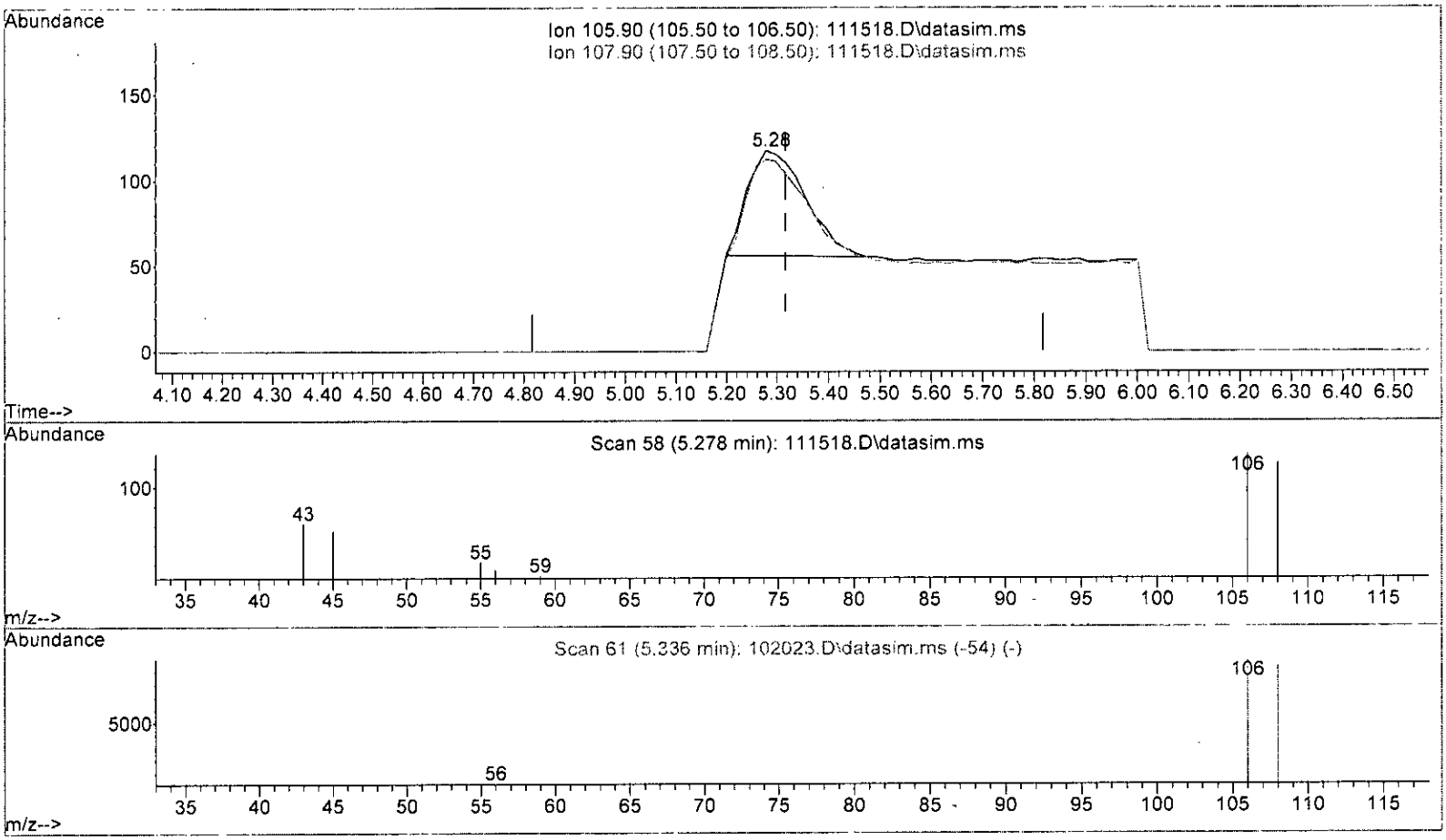
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.186 ppbv
response 1890

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	97.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

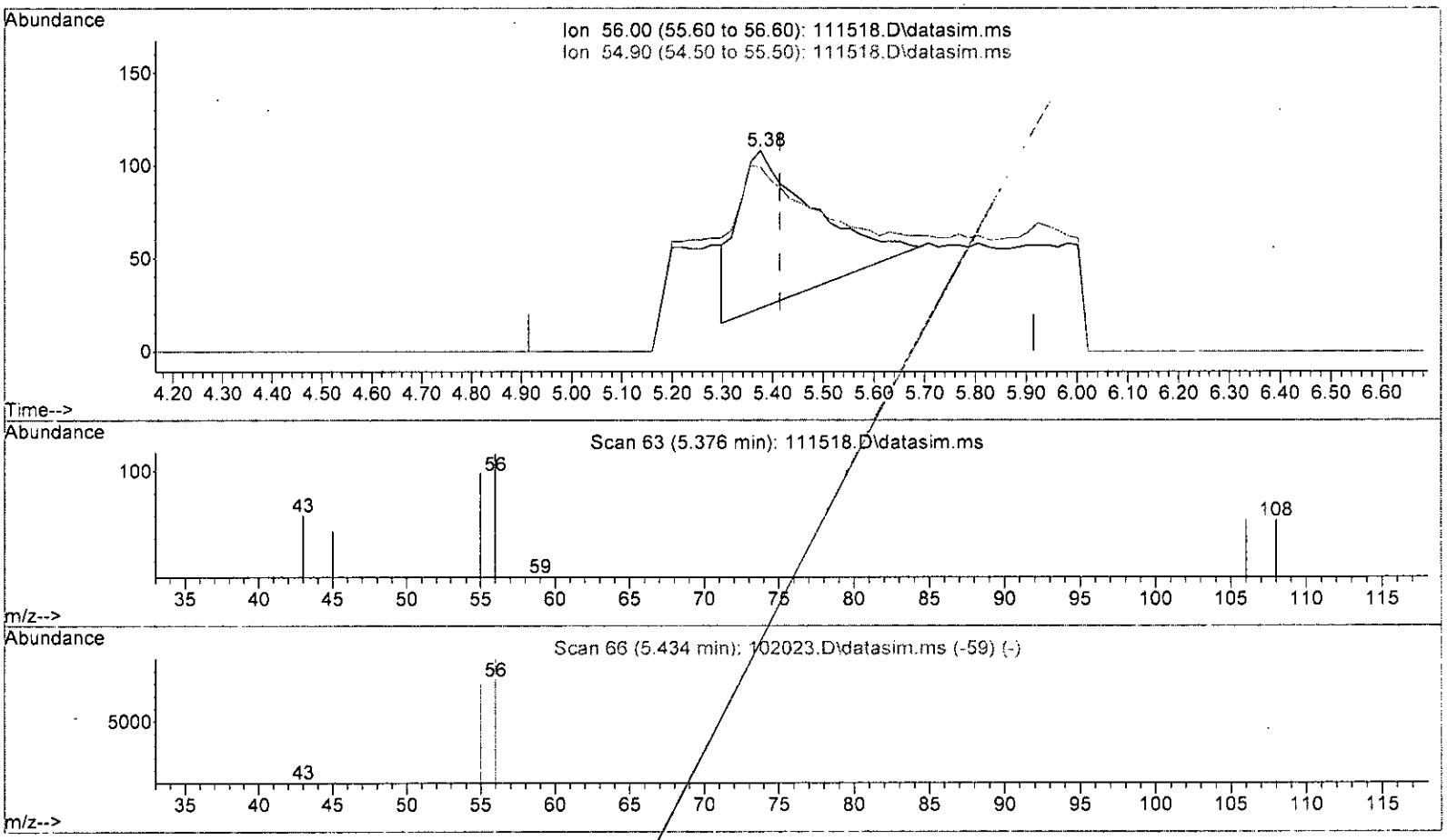
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.048 ppbv m
response 483

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	380.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.195 ppbv

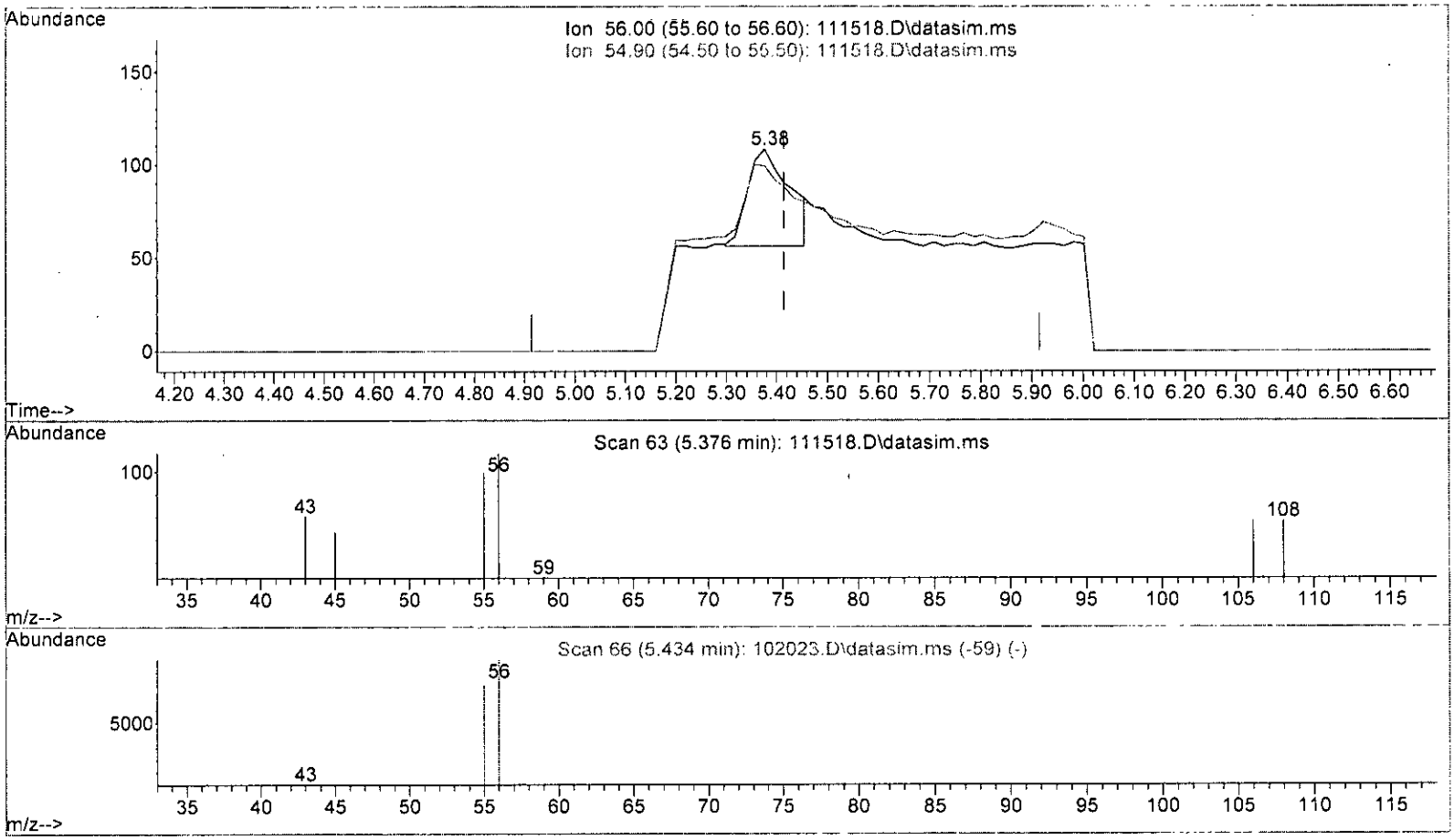
response 898

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	276.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.066 ppbv m

response 304

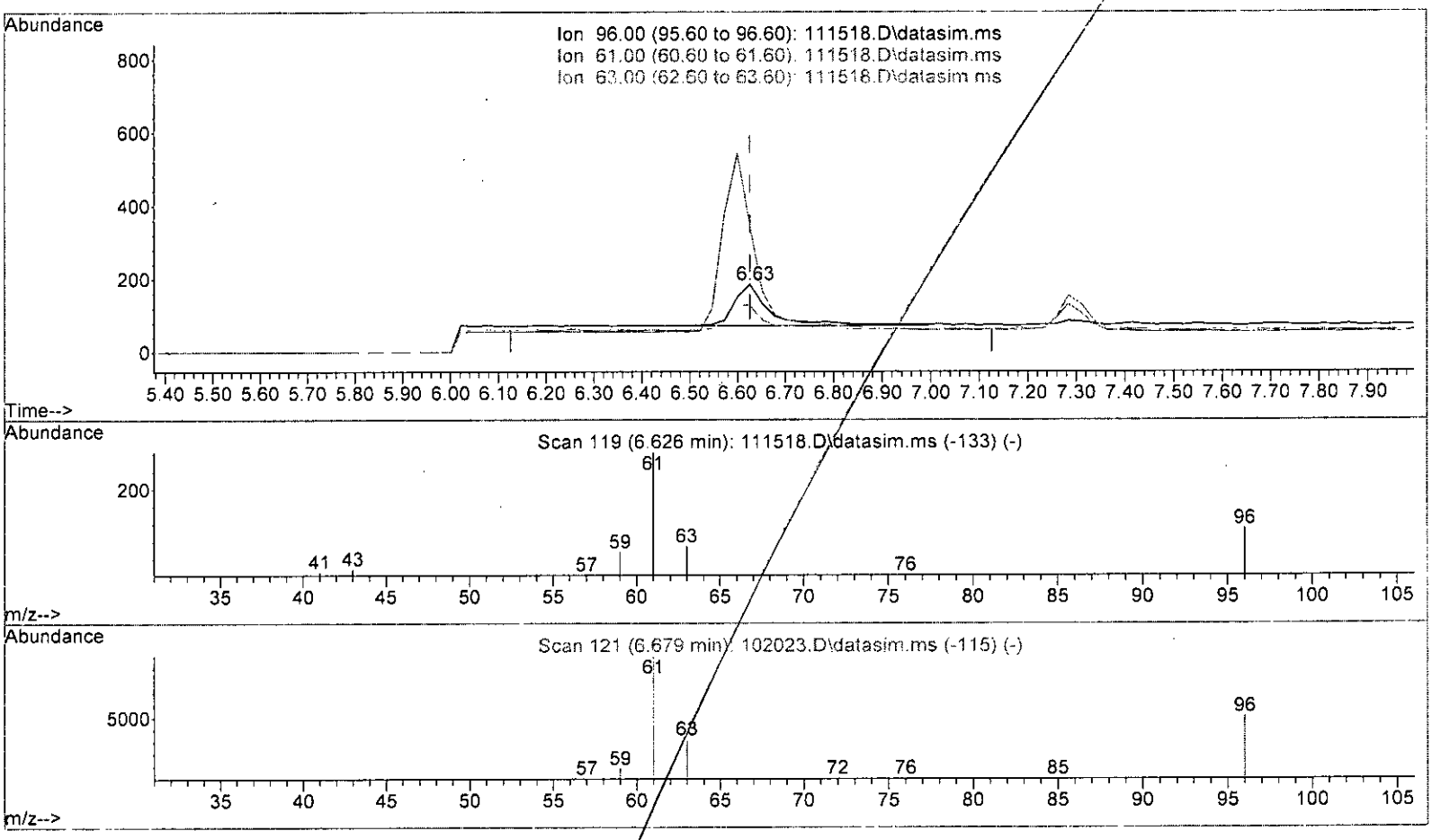
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	816.45#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

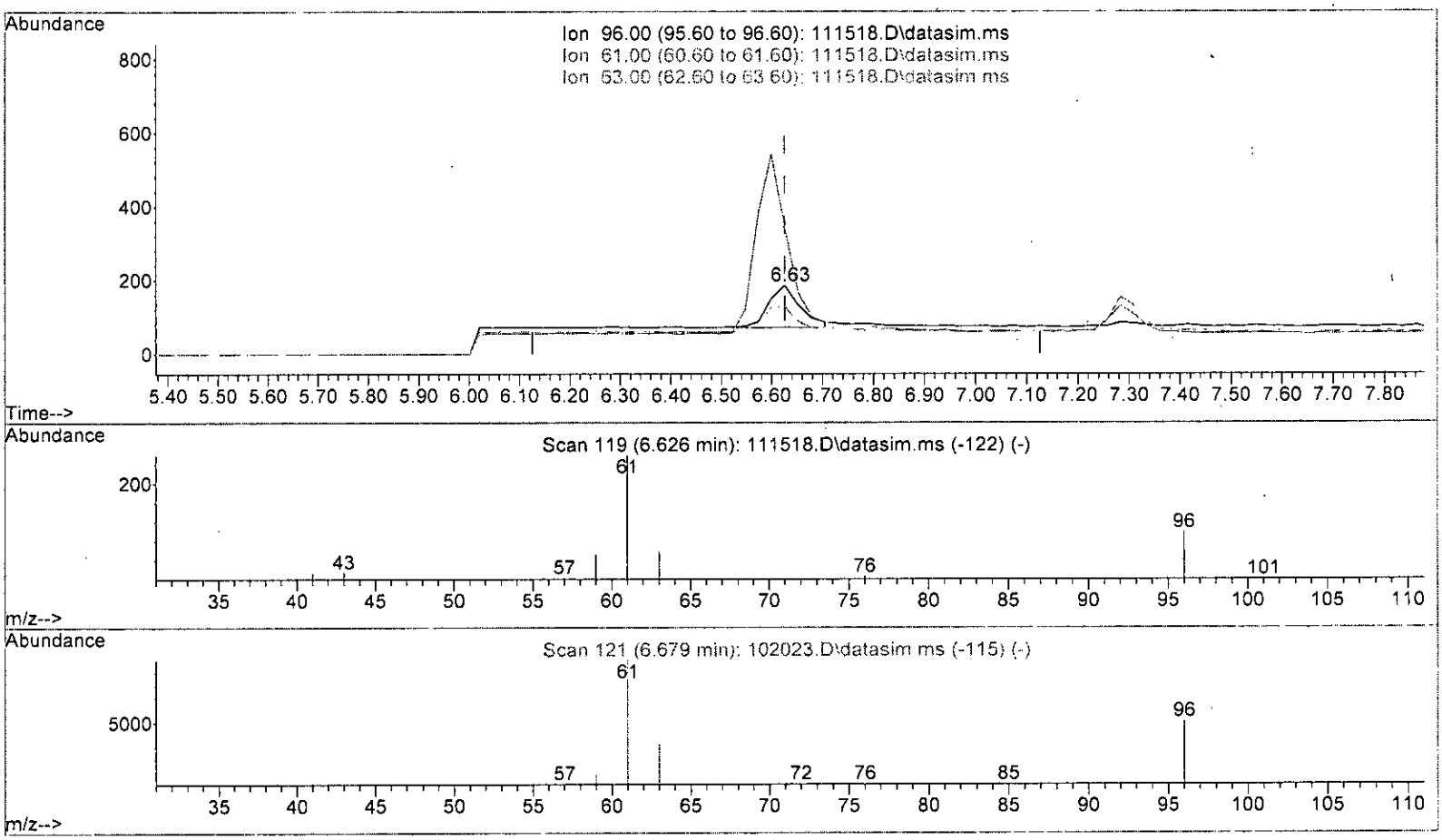
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.059 ppbv
response 617

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	255.75#
63.00	62.00	60.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

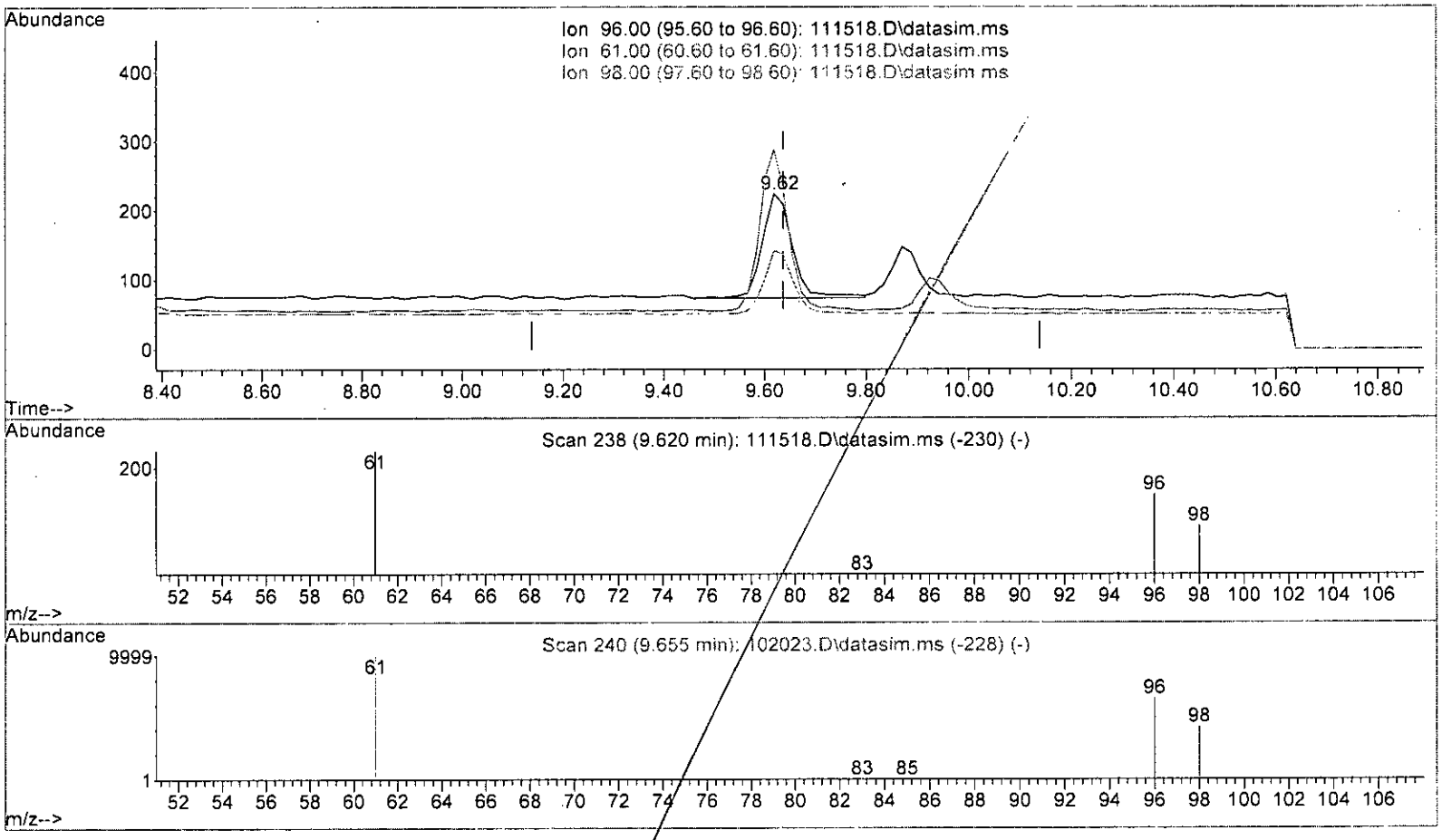
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.048 ppbv m
response 495

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	187.50
63.00	62.00	69.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(28) cis-1,2-Dichloroethene (TMP)

9.620min (-0.018) 0.058 ppbv

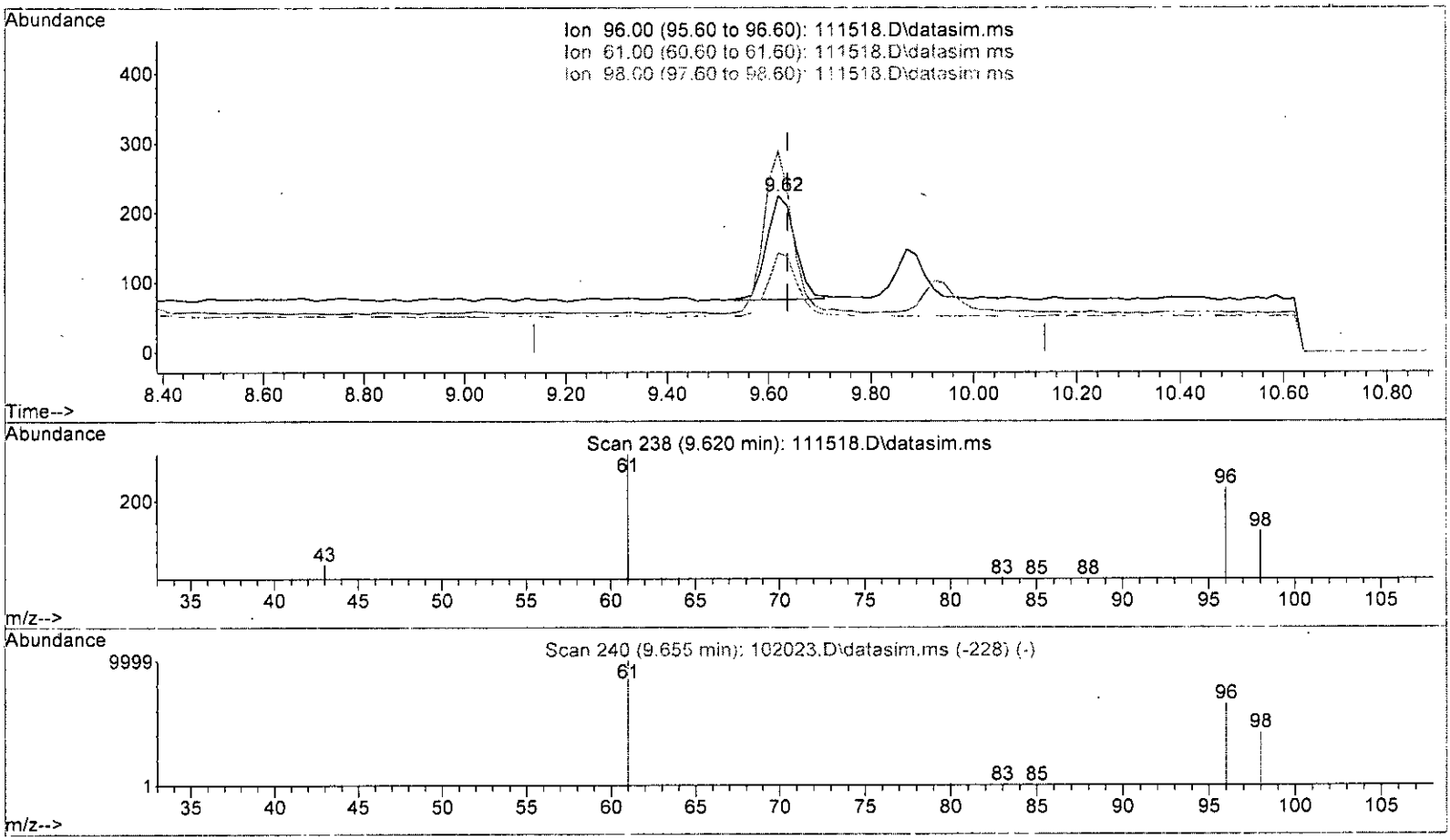
response 614

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	146.00	154.67
98.00	65.20	60.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(28) cis-1,2-Dichloroethene (TMP)

9.620min (-0.018) 0.054 ppbv m

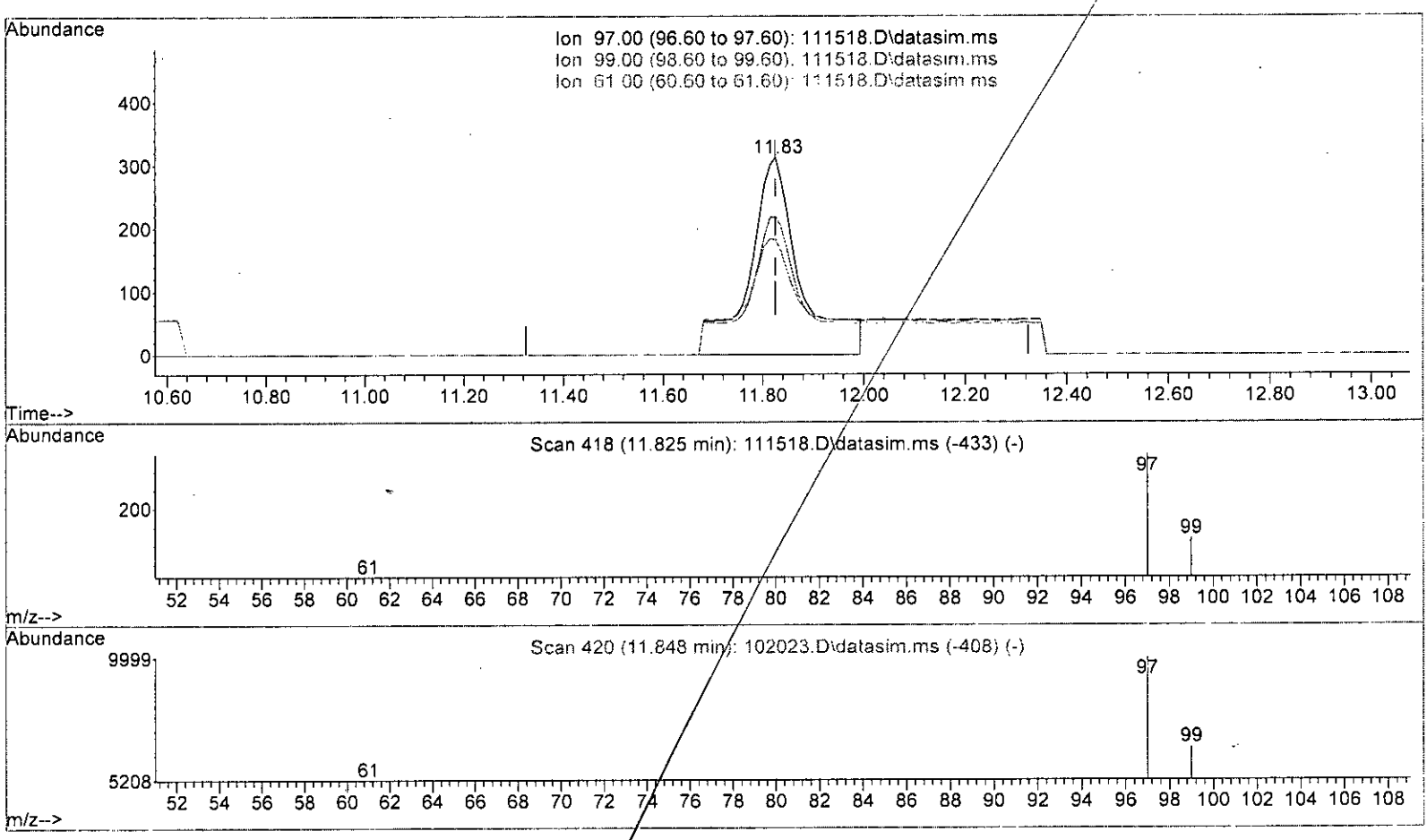
response 579

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	146.00	128.57
98.00	65.20	63.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.103 ppbv

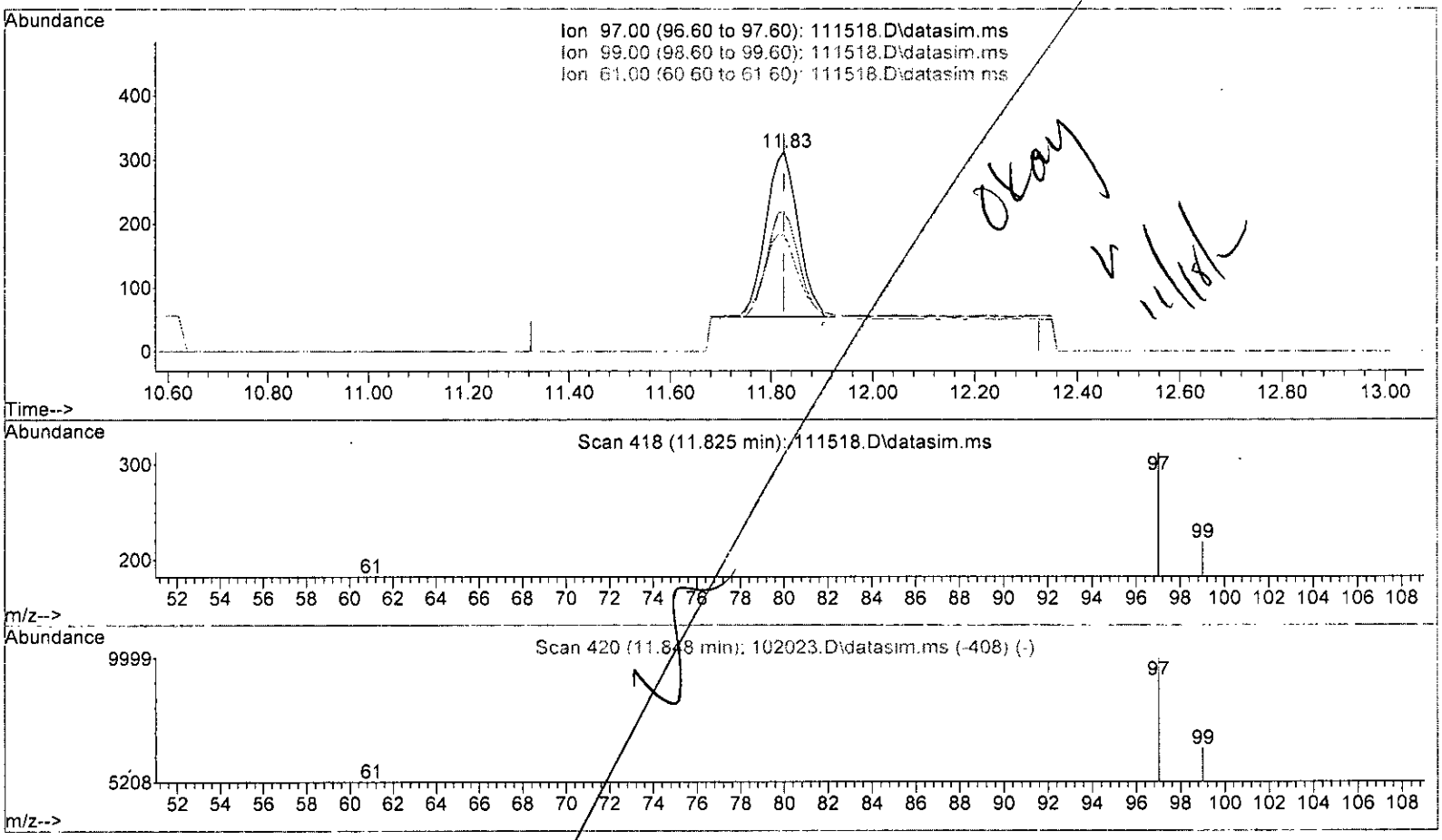
response 2175

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	69.87
61.00	49.30	58.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Okay
11/18/22

TIC: 111518.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.054 ppbv m

response 1144

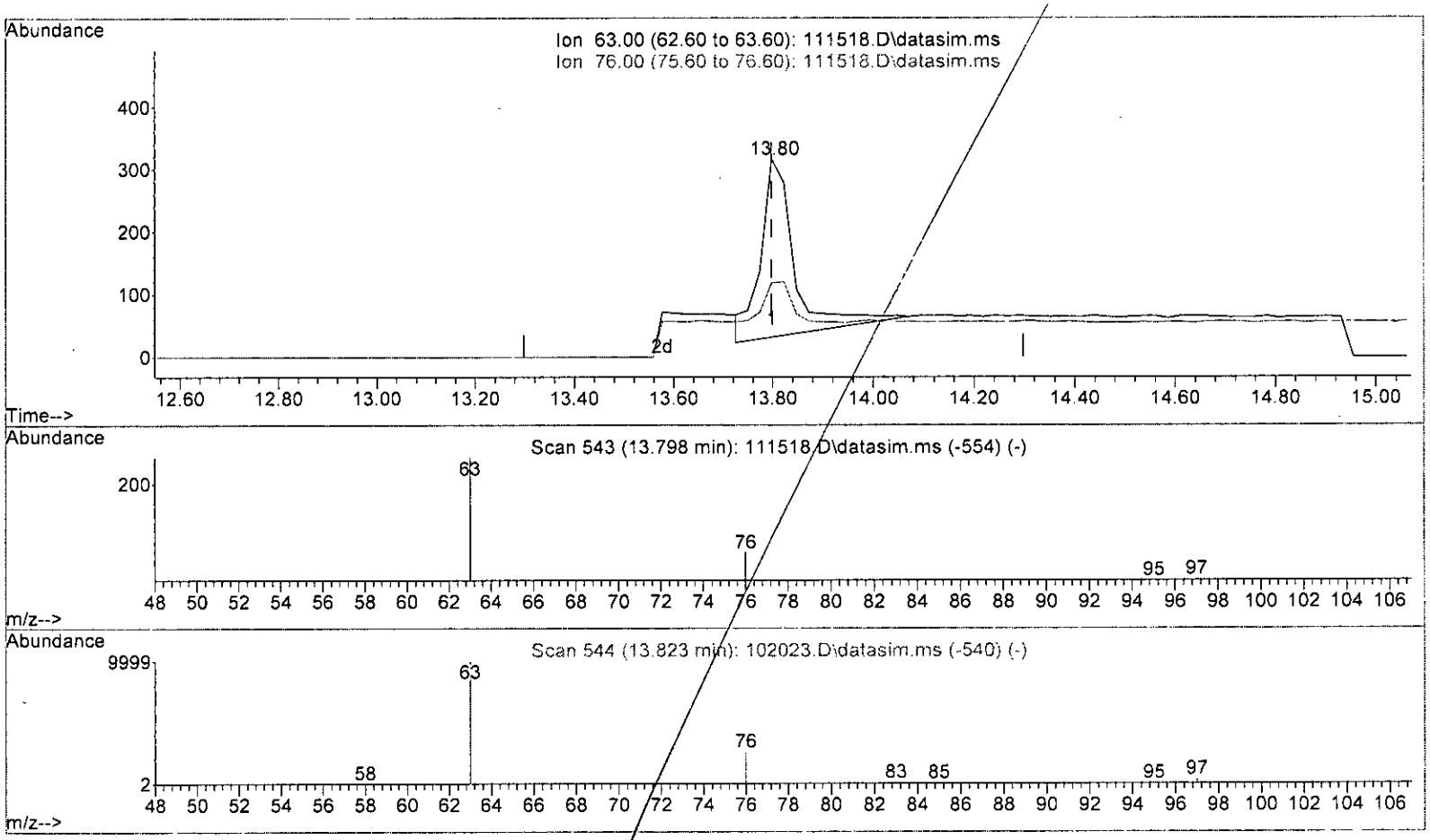
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	69.87
61.00	49.30	58.33
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

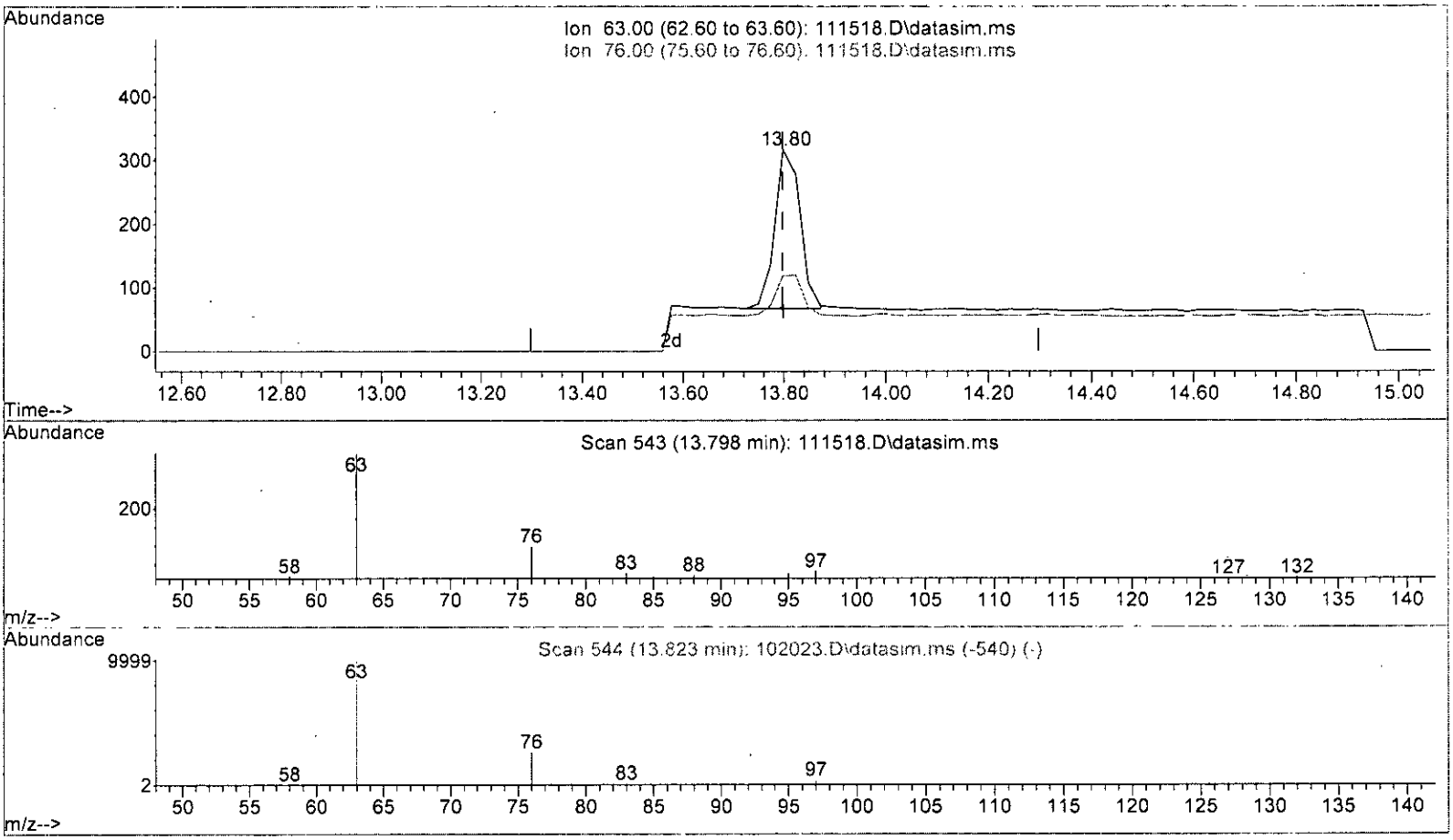
(40) 1,2-Dichloropropane (TMP)
13.798min (+ 0.000) 0.088 ppbv
response 1336

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	24.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.056 ppbv m

response 856

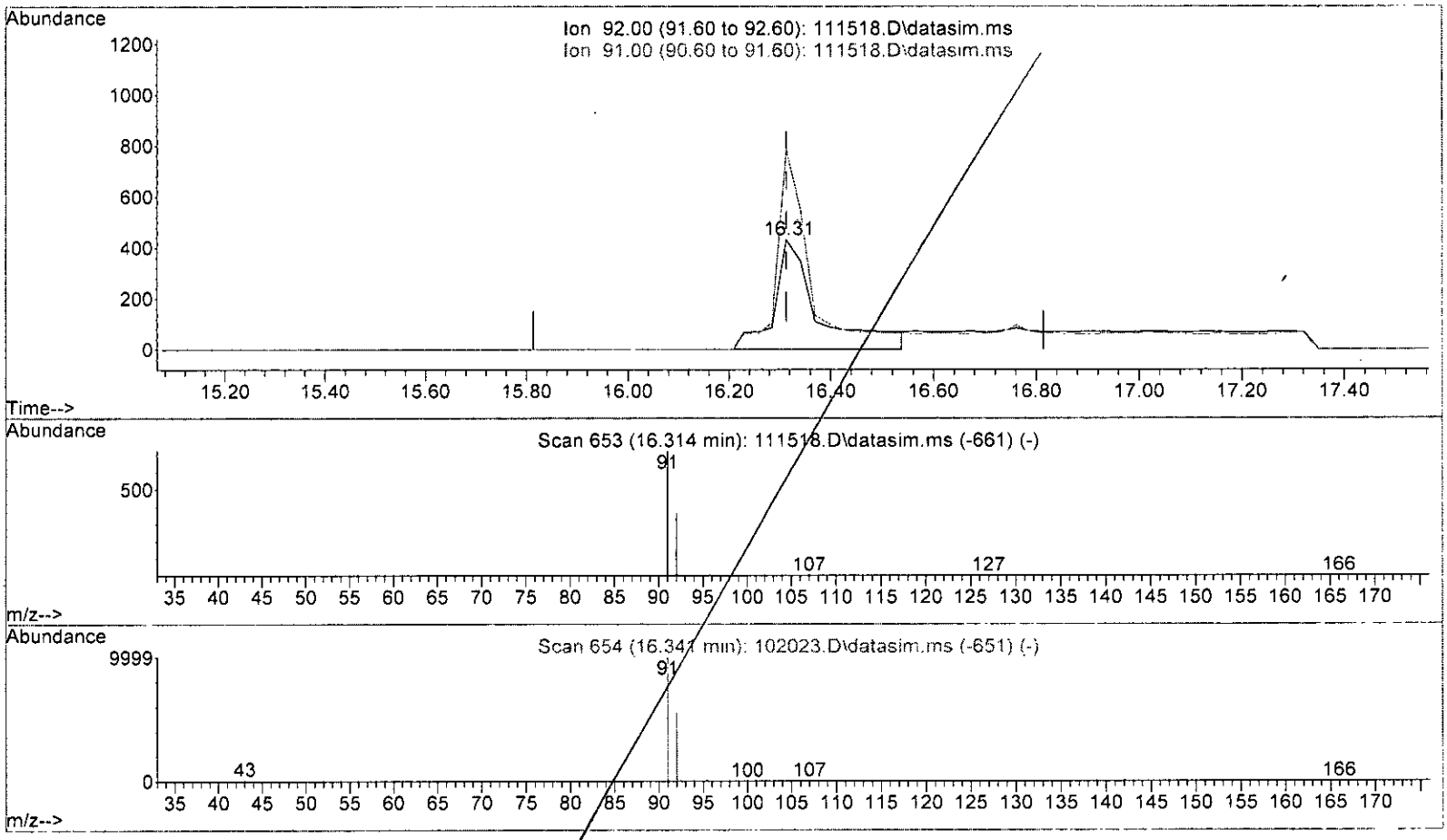
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	37.34
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(50) Toluene (TMP)
16.314min (-0.000) 0.127 ppbv
response 2526

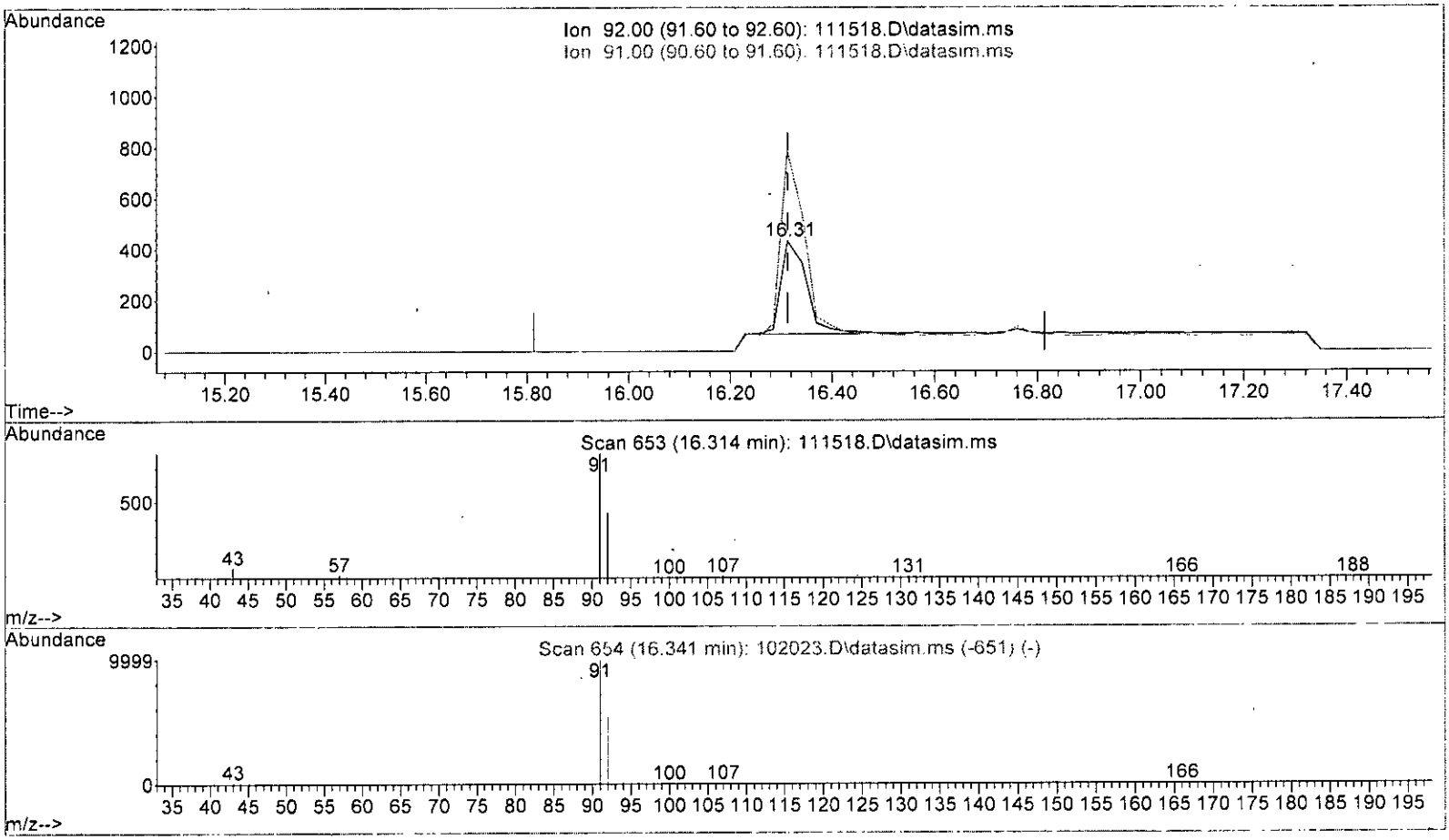
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	182.13
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.063 ppbv m

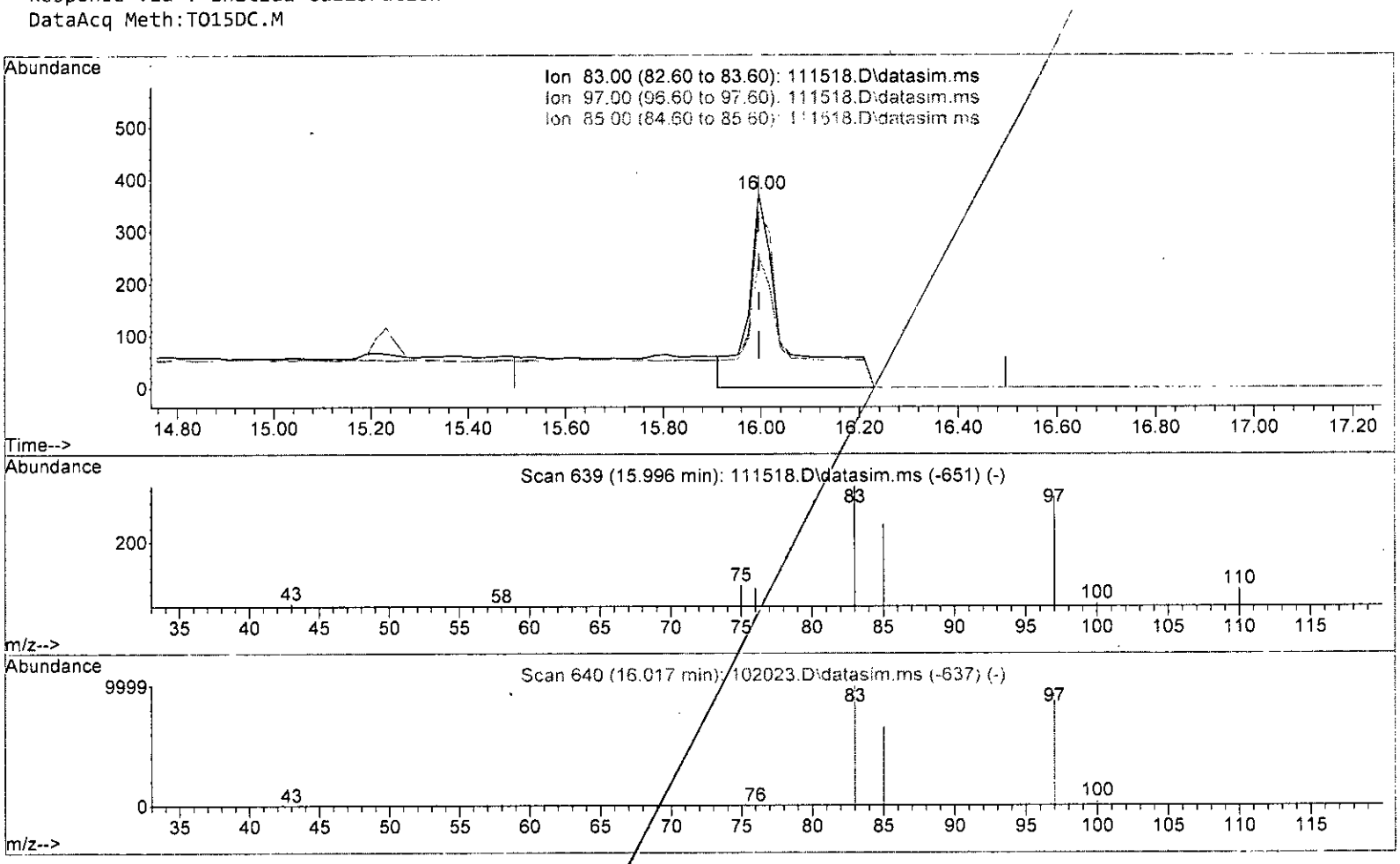
response 1263

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	182.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.122 ppbv

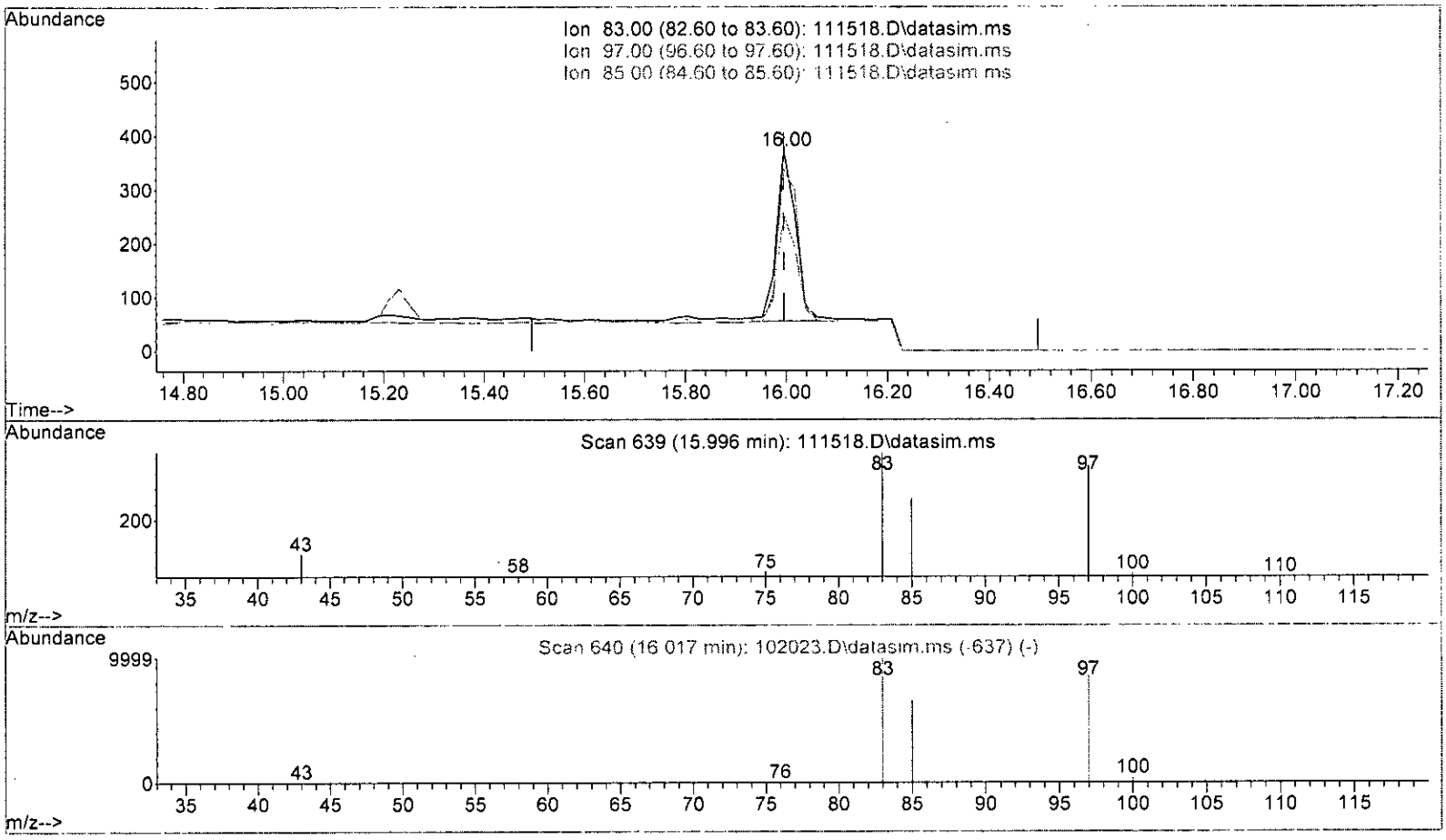
response 1887

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.59
85.00	60.50	68.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

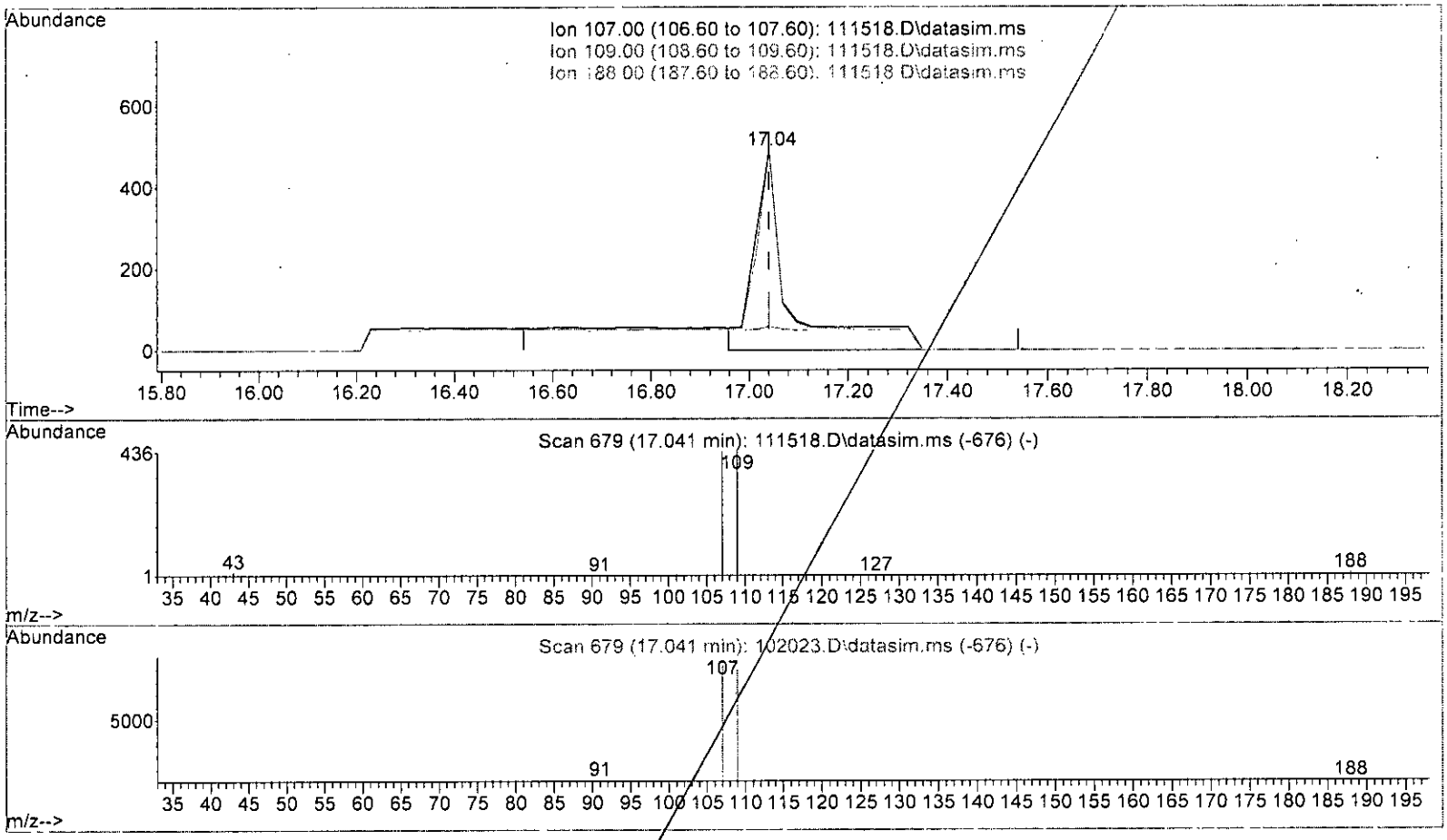
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.052 ppbv m
response 841

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.59
85.00	60.50	68.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.103 ppbv

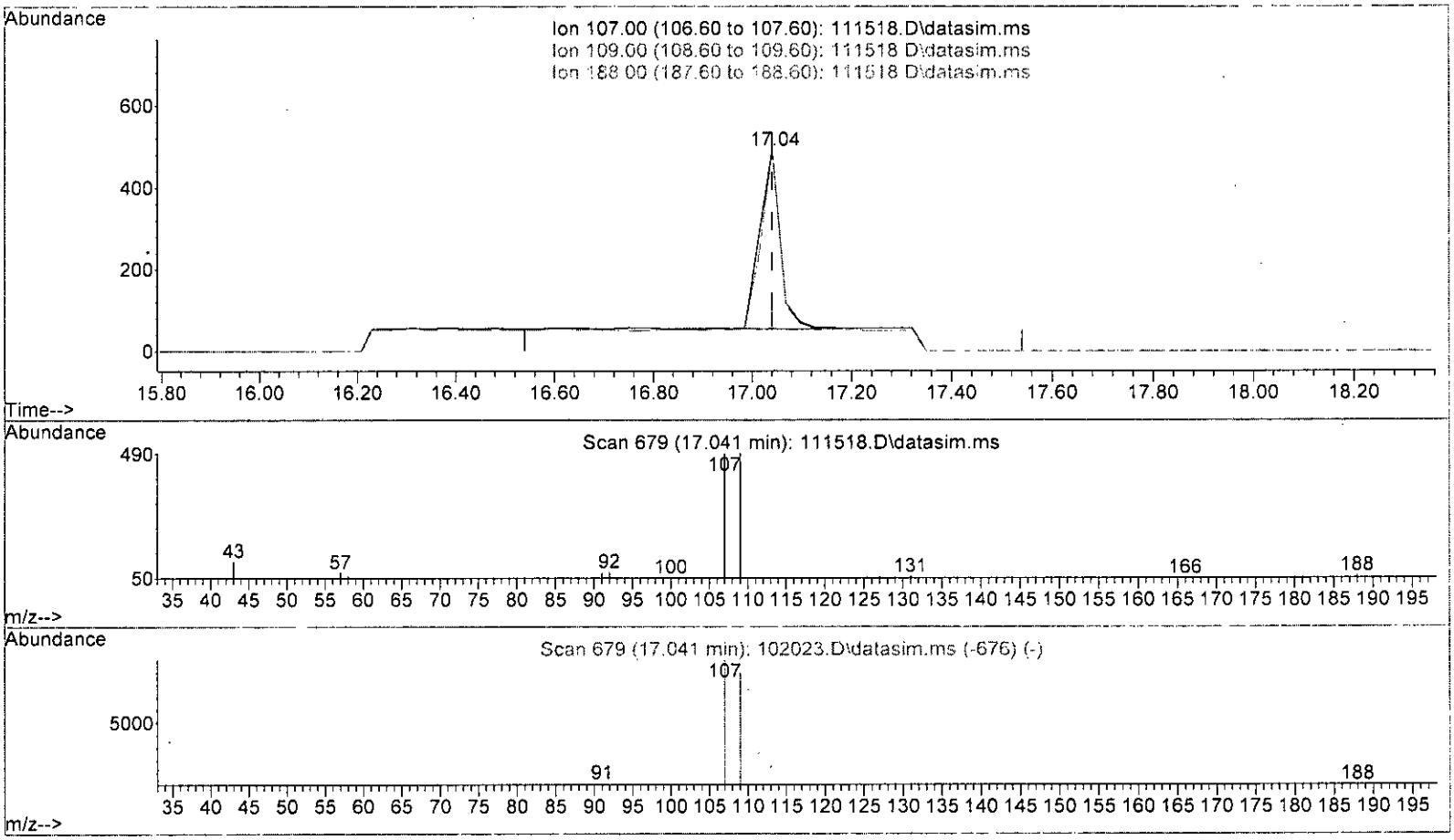
response 2373

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.59
188.00	2.70	11.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.052 ppbv m

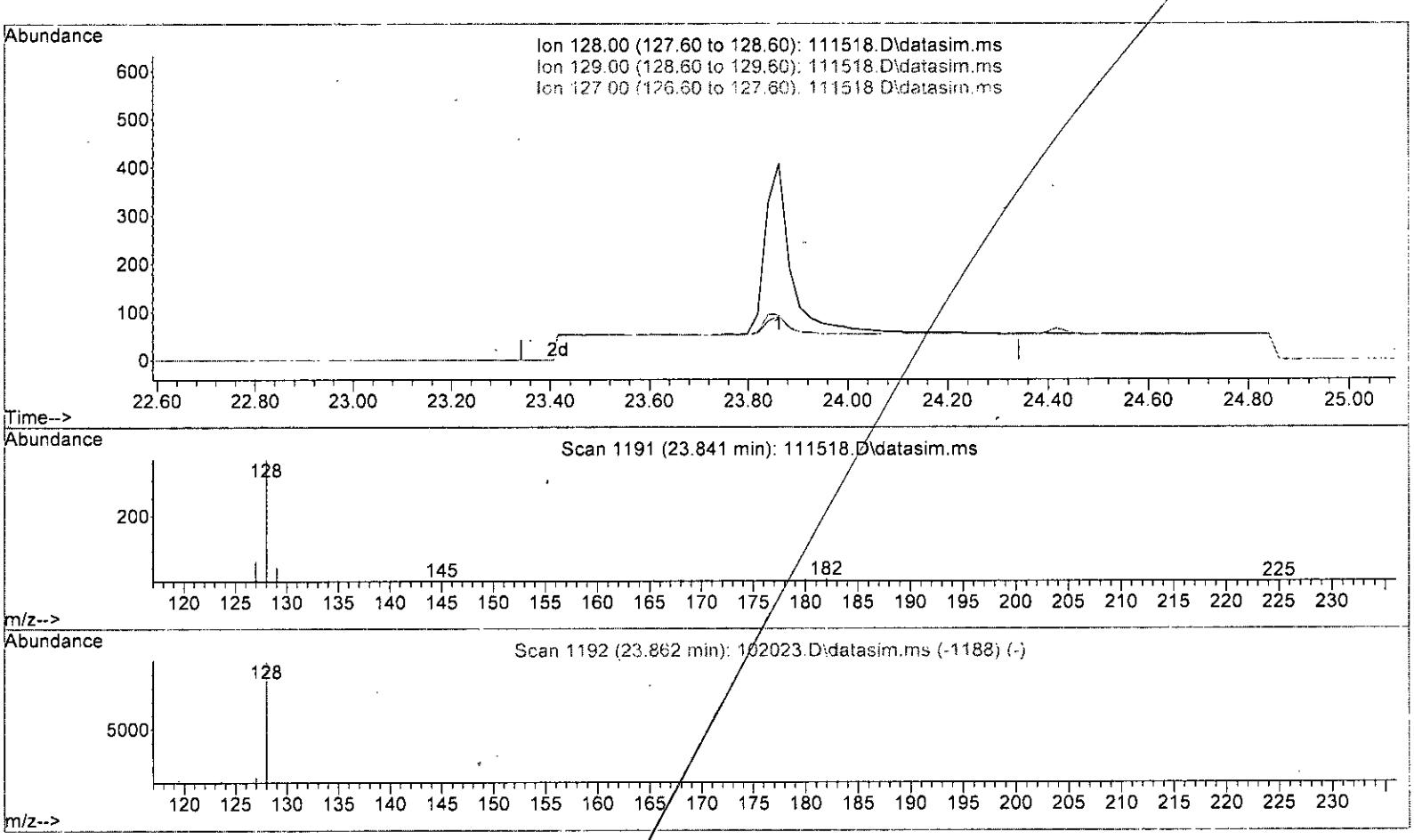
response 1266

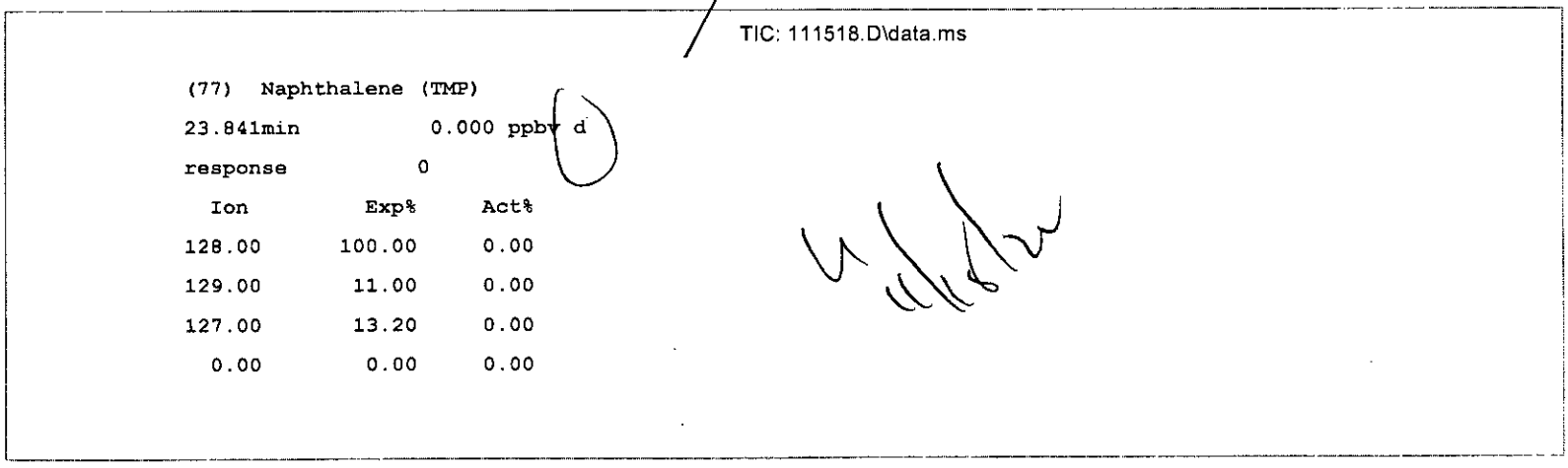
Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.59
188.00	2.70	11.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





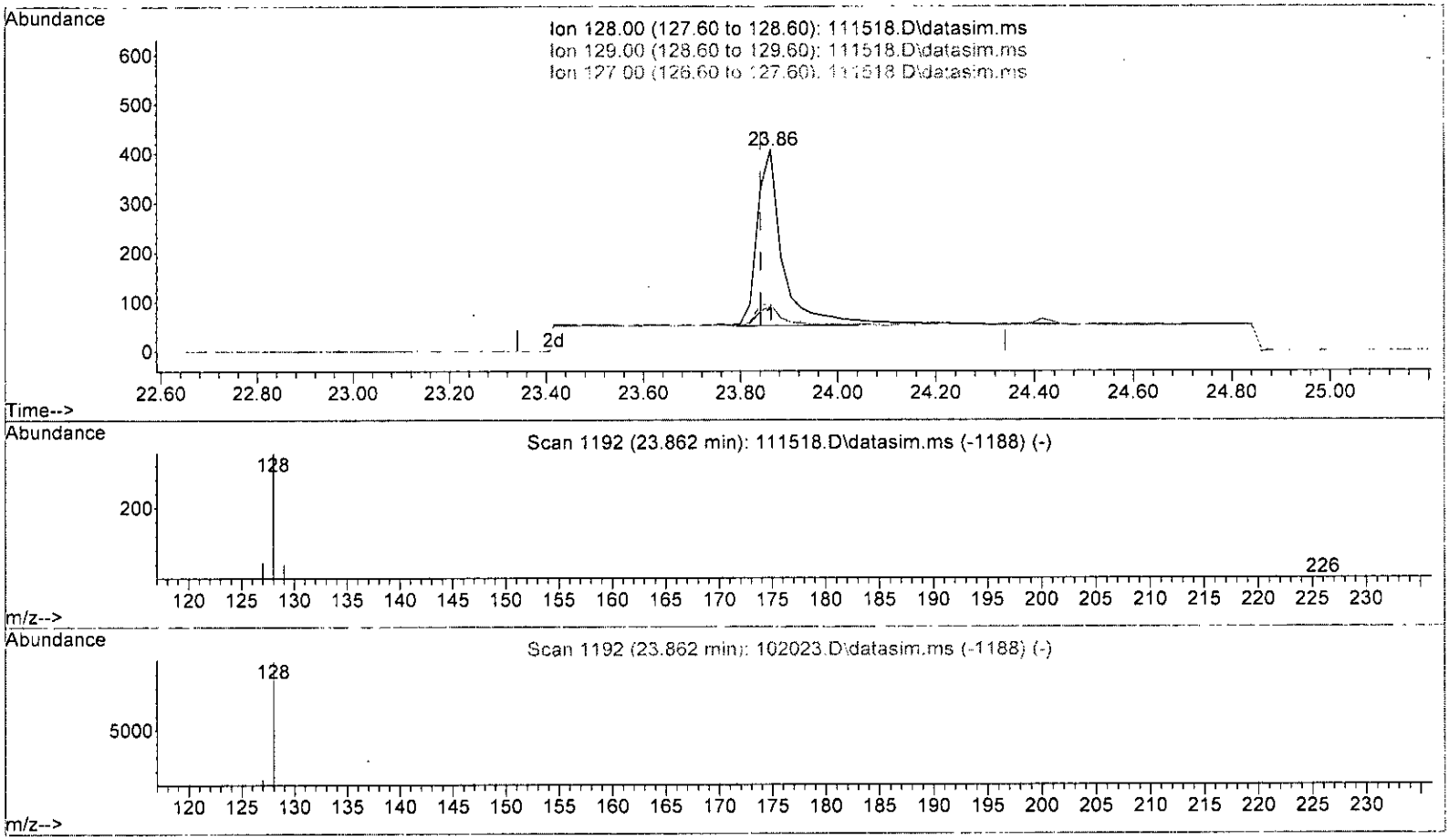
(77) Naphthalene (TMP)
23.841min 0.000 ppbv d
response 0

Ion	Exp%	Act%
128.00	100.00	0.00
129.00	11.00	0.00
127.00	13.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(77) Naphthalene (TMP)

23.862min (+ 0.021) 0.046 ppbv m

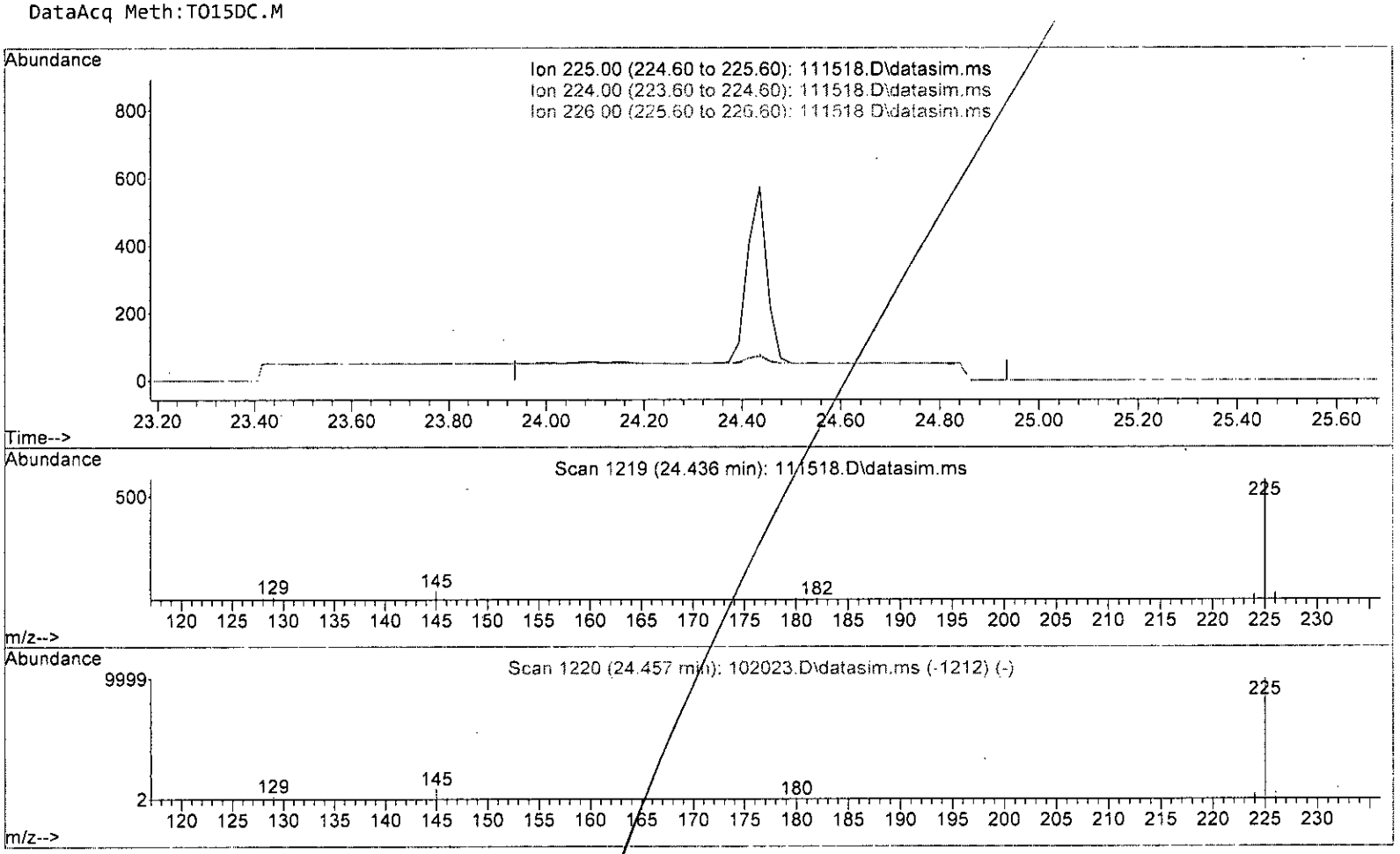
response 1321

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	22.36
127.00	13.20	23.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

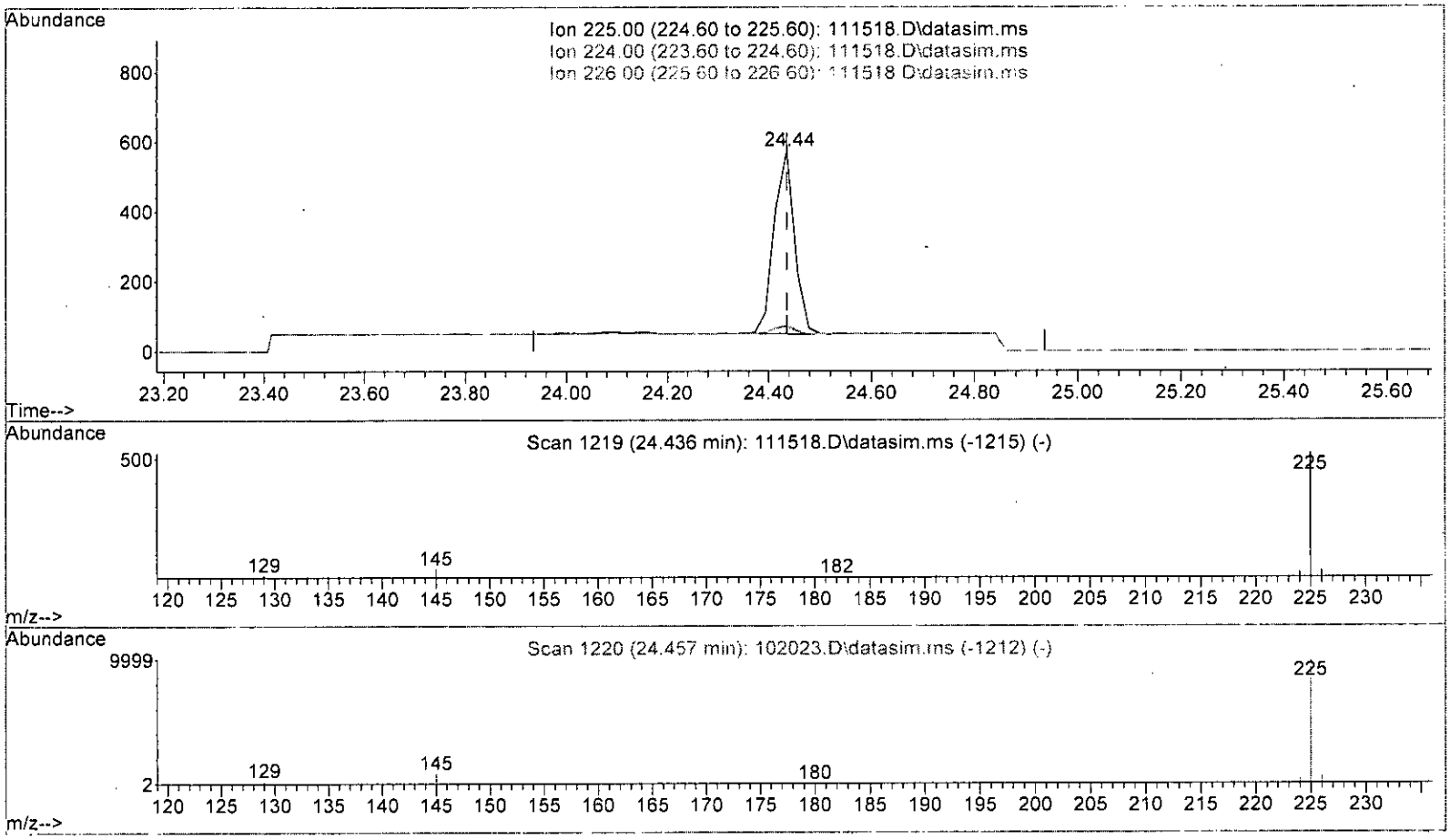
(78) Hexachlorobutadiene (TMP)
24.436min 0.000 ppbv d
response 0

Ion	Exp%	Act%
225.00	100.00	0.00
224.00	3.70	0.00
226.00	5.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min (+ 0.000) 0.055 ppbv m

response 1447

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	12.37
226.00	5.20	13.41
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63103	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	281669	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	250812	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	157021	9.034	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.30%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	3.49	85	1633	0.063	ppbv	76
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	3.84	85	1659	0.062	ppbv	72
6] Vinyl chloride	4.05	62	632	0.054	ppbv	90
7] 1,3-Butadiene	4.17	54	398m	0.052	ppbv	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.	d	
10) Chloroethane	0.00		0	N.D.	d	
11] Vinyl bromide	5.28	106	483m	0.048	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.38	56	304m	0.066	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	495m	0.048	ppbv	
19] trans-1,2-Dichloroethene	8.07	96	563	0.056	ppbv	90
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.12	101	1256	0.057	ppbv	88
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	1150	0.055	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	579m	0.054	ppbv	
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	1372	0.051	ppbv	99
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.34	62	867	0.049	ppbv	98
35] 1,1,1-Trichloroethane	11.83	97	1144m	0.054	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	856m	0.056	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

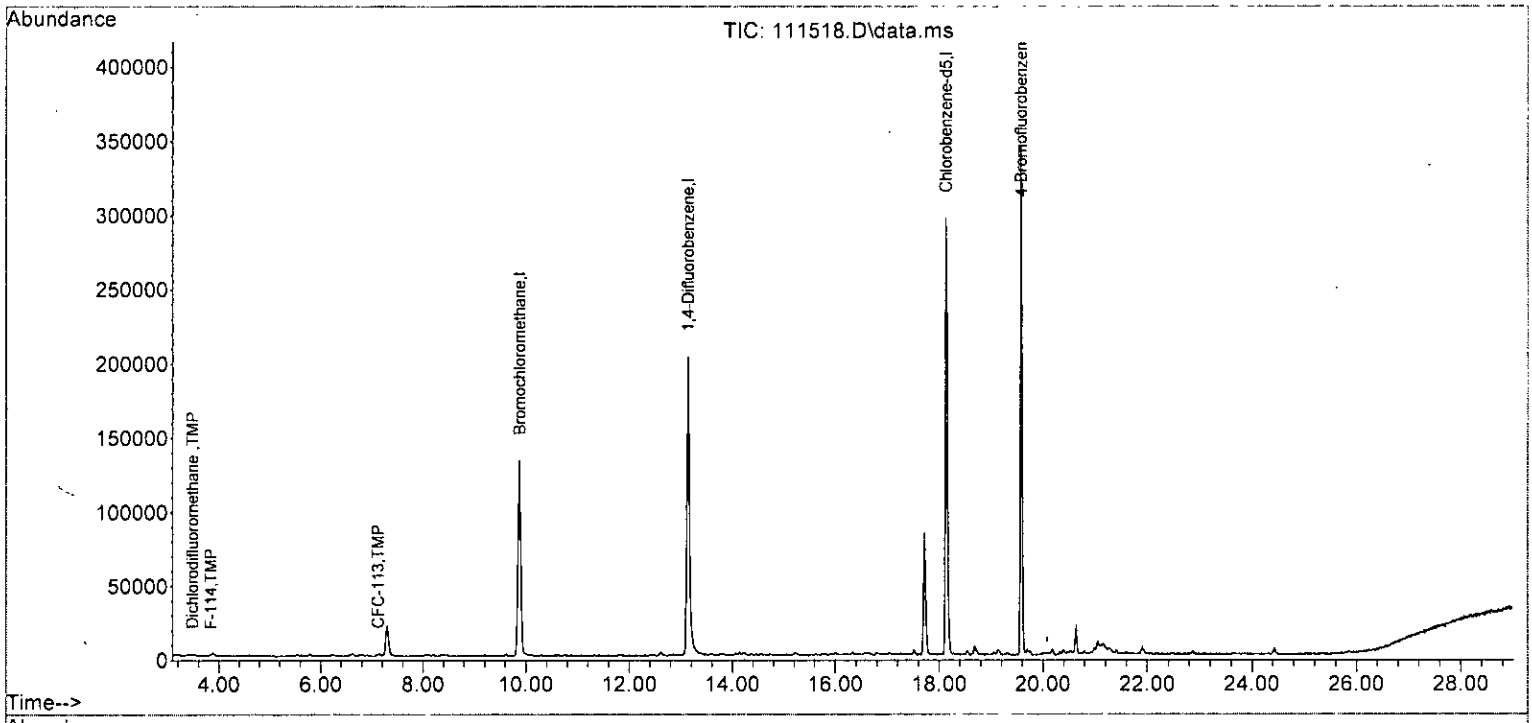
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.12	88	382	0.059	ppbv	85
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	945	0.057	ppbv	96
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49] trans-1,3-Dichloropropene	15.78	75	928	0.059	ppbv	83
50] Toluene	16.31	92	1263m	0.063	ppbv	
51] 1,1,2-Trichloroethane	16.00	83	841m	0.052	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	1266m	0.052	ppbv	
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	2518	0.049	ppbv	98
59] 1,1,2,2-Tetrachloroethane	19.13	83	1926	0.053	ppbv	92
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	1620	0.102	ppbv	98
66] o-Xylene	19.15	106	795	0.052	ppbv	100
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	1039	0.037	ppbv	96
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73] 1,3-Dichlorobenzene	20.98	146	1181	0.047	ppbv	97
74] 1,4-Dichlorobenzene	21.05	146	1098	0.046	ppbv	95
75] 1,2-Dichlorobenzene	21.41	146	1211	0.047	ppbv	97
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
77] Naphthalene	23.86	128	1321m	0.046	ppbv	
78] Hexachlorobutadiene	24.44	225	1447m	0.055	ppbv	

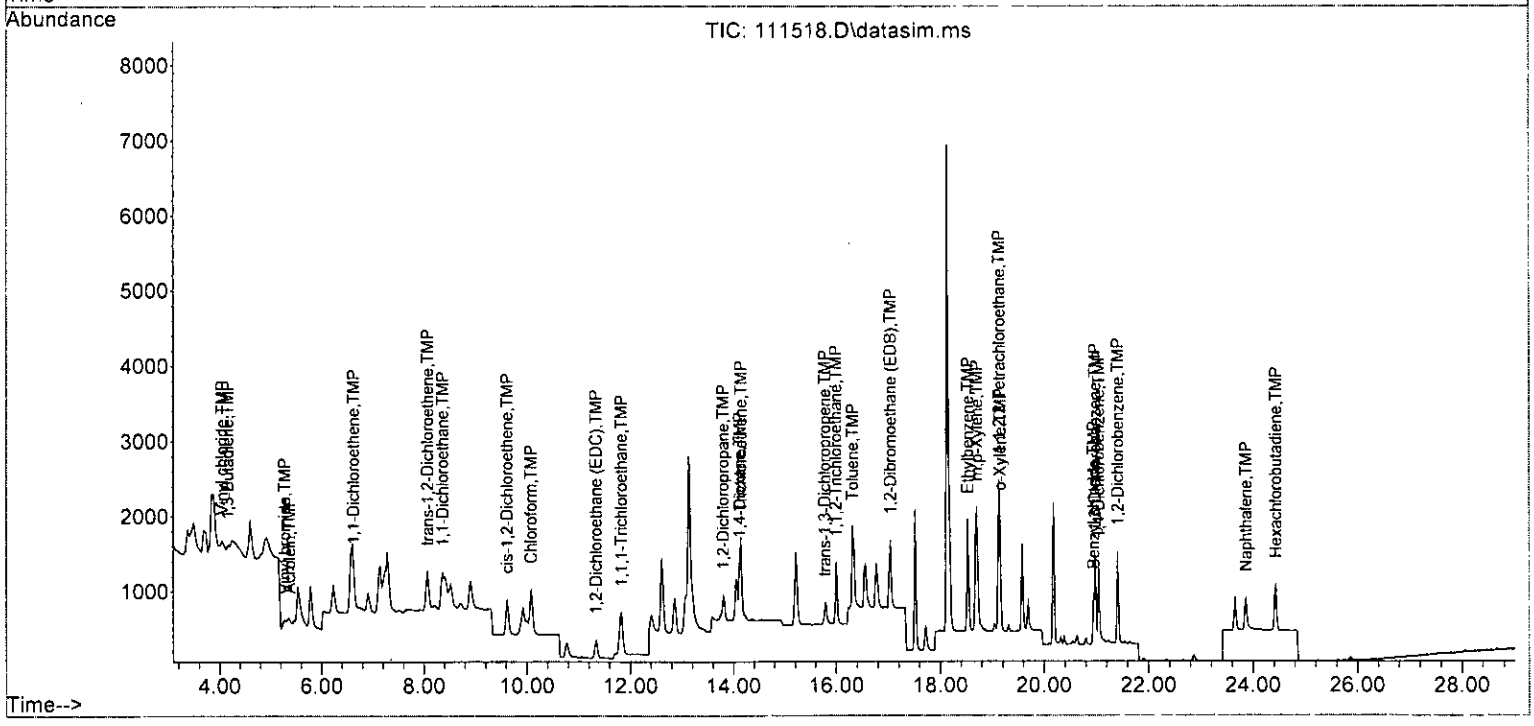
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	0.050	0.063	-26.0	100	0.00
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	0.050	0.062	-24.0	100	-0.04
6	TMP	Vinyl chloride	0.050	0.054	-8.0	100	-0.04
7	TMP	1,3-Butadiene	0.050	0.052	-4.0	96	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	0.050	0.048	4.0	91	-0.04
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.050	0.066	-32.0#	111	-0.04
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.050	0.048	4.0	79	0.00
19	TMP	trans-1,2-Dichloroethene	0.050	0.056	-12.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	0.050	0.057	-14.0	100	-0.03
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.050	0.055	-10.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.050	0.054	-8.0	94	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.050	0.051	-2.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.050	0.049	2.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.050	0.054	-8.0	97	0.00
36	TMP	Carbon tetrachloride	0.050	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.050	0.000	100.0#	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.050	0.056	-12.0	96	0.00
41	TMP	1,4-Dioxane	0.050	0.059	-18.0	100	0.02
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.050	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.050	0.057	-14.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.050	0.059	-18.0	100	0.00
50	TMP	Toluene	0.050	0.063	-26.0	109	0.00
51	TMP	1,1,2-Trichloroethane	0.050	0.052	-4.0	104	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.050	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.050	0.052	-4.0	96	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.050	0.049	2.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.050	0.053	-6.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.100	0.102	-2.0	100	0.00
66	TMP	o-Xylene	0.050	0.052	-4.0	100	0.00
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.034	9.7	100	0.00
70	TMP	Benzyl chloride	0.050	0.037	26.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	0.050	0.047	6.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.050	0.046	8.0	101	0.00
75	TMP	1,2-Dichlorobenzene	0.050	0.047	6.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	0.050	0.046	8.0	102	0.02
78	TMP	Hexachlorobutadiene	0.050	0.055	-10.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	5.176	-25.5	100	0.00
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	5.258	-24.7	100	-0.04
6	TMP	Vinyl chloride	1.851	2.003	-8.2	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.261	-3.7	96	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	1.531	4.8	91	-0.04
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.964	-32.2#	111	-0.04
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.569	4.6	79	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.784	-11.6	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	3.981	-14.8	100	-0.03
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.645	-9.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.835	-8.6	94	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	4.348	-7.1	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.748	-2.3	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.626	-8.5	97	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.608	-12.4	96	0.00
41	TMP	1,4-Dioxane	0.230	0.271	-17.8	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

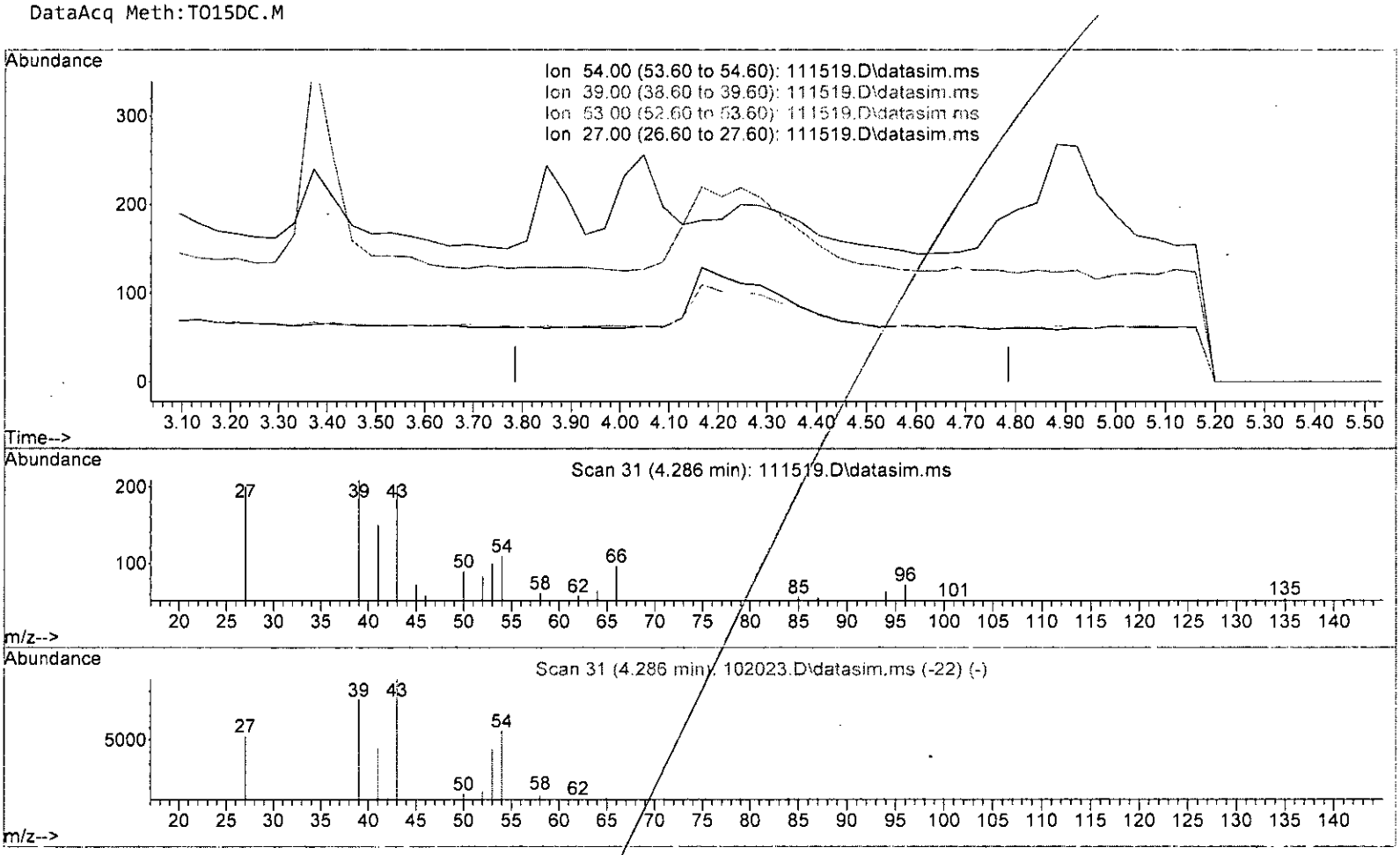
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.671	-13.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.659	-17.1	100	0.00
50	TMP	Toluene	0.707	0.897	-26.9	109	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.597	-8.5	104	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.899	-9.1	96	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	2.008	-2.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.536	-10.2	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.646	-2.1	100	0.00
66	TMP	o-Xylene	0.615	0.634	-3.1	100	0.00
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.626	9.7	100	0.00
70	TMP	Benzyl chloride	0.987	0.829	16.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.942	6.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.876	7.5	101	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.966	5.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	1.053	7.0	102	0.02
78	TMP	Hexachlorobutadiene	1.045	1.154	-10.4	100	0.00

(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

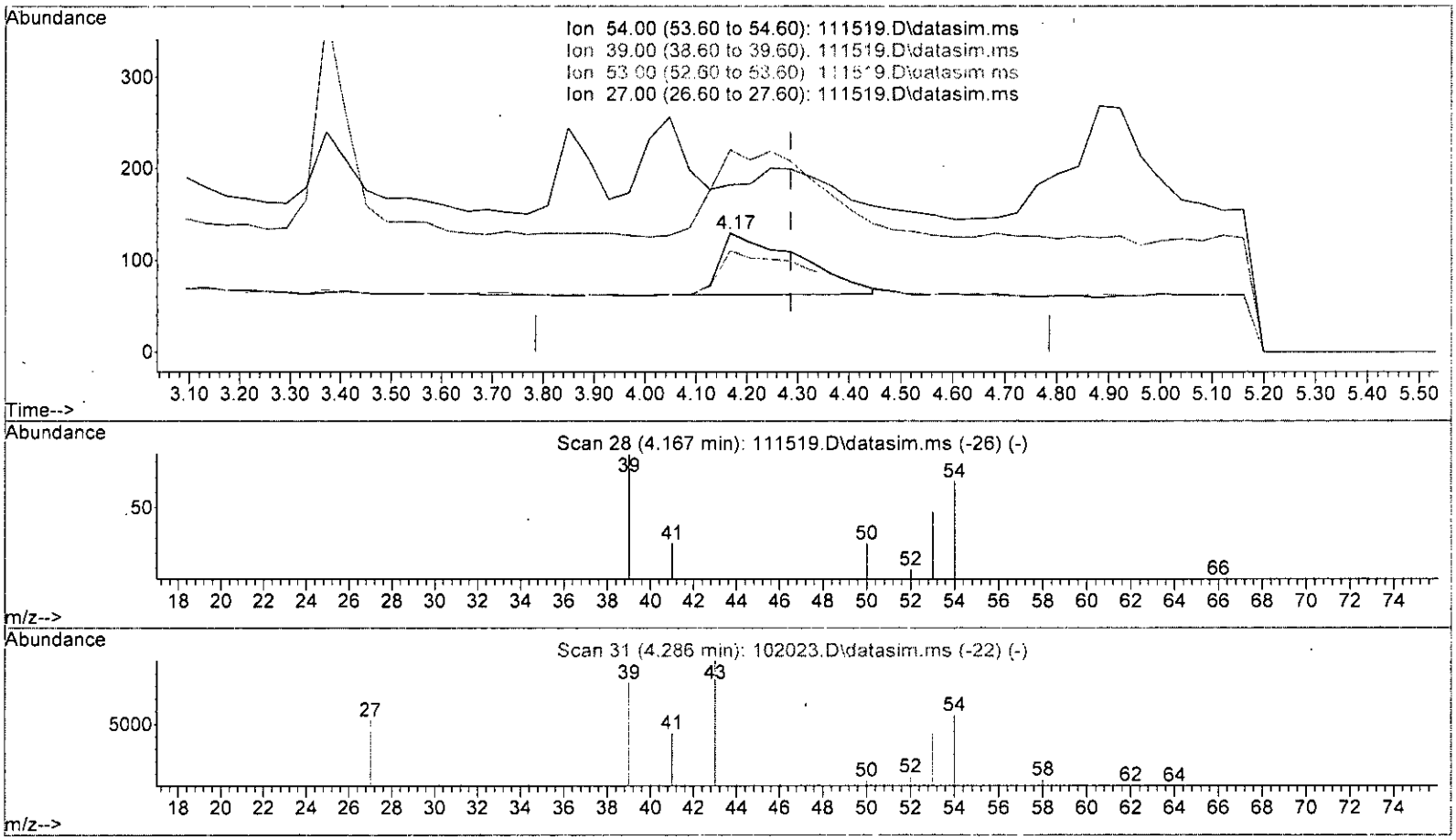
(7) 1,3-Butadiene (TMP)
4.286min (-4.286) 0.000 ppbv
response 0

Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.096 ppbv m

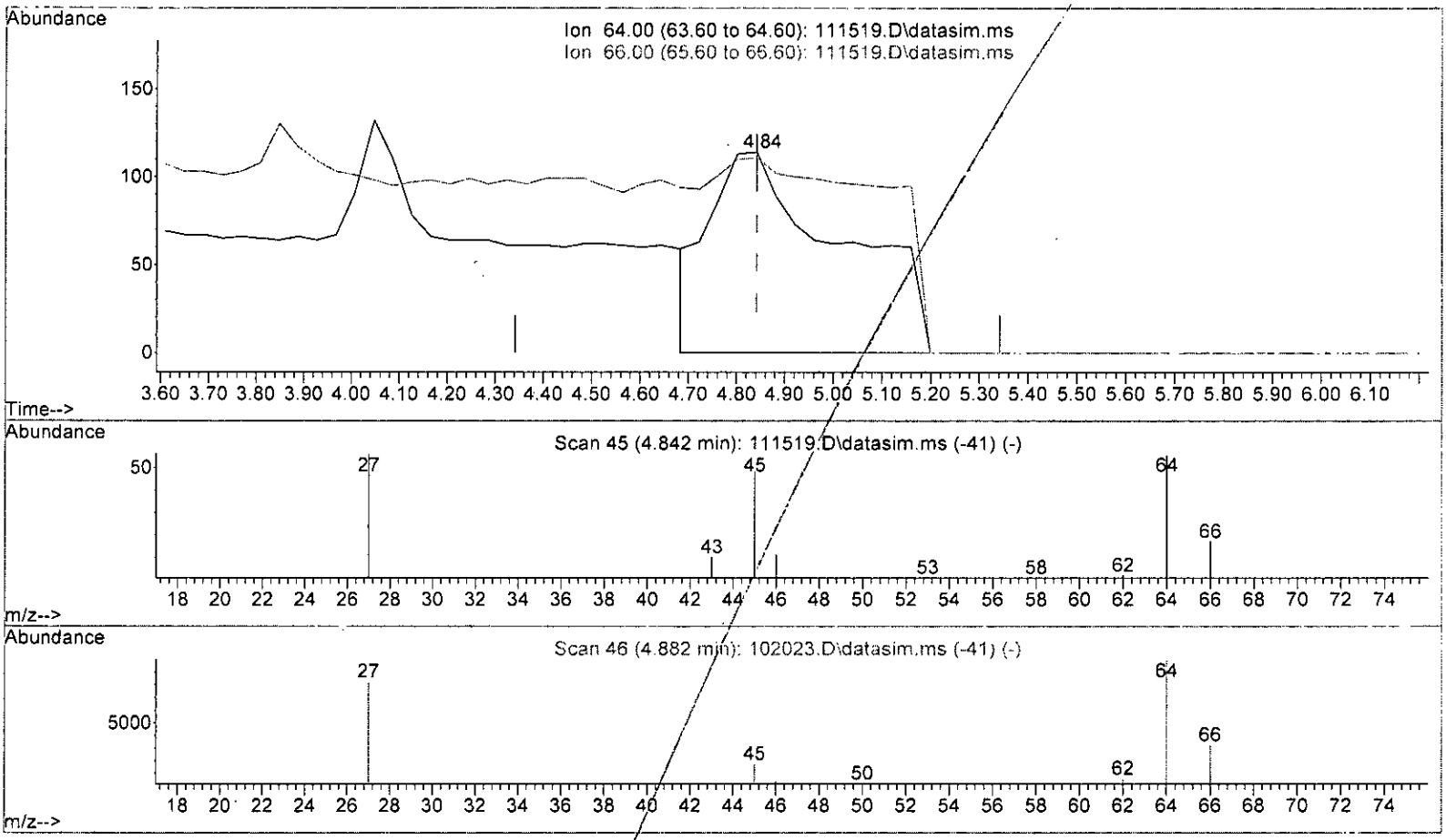
response 728

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	170.54#
53.00	72.40	85.27
27.00	0.00	141.09#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 0.512 ppbv

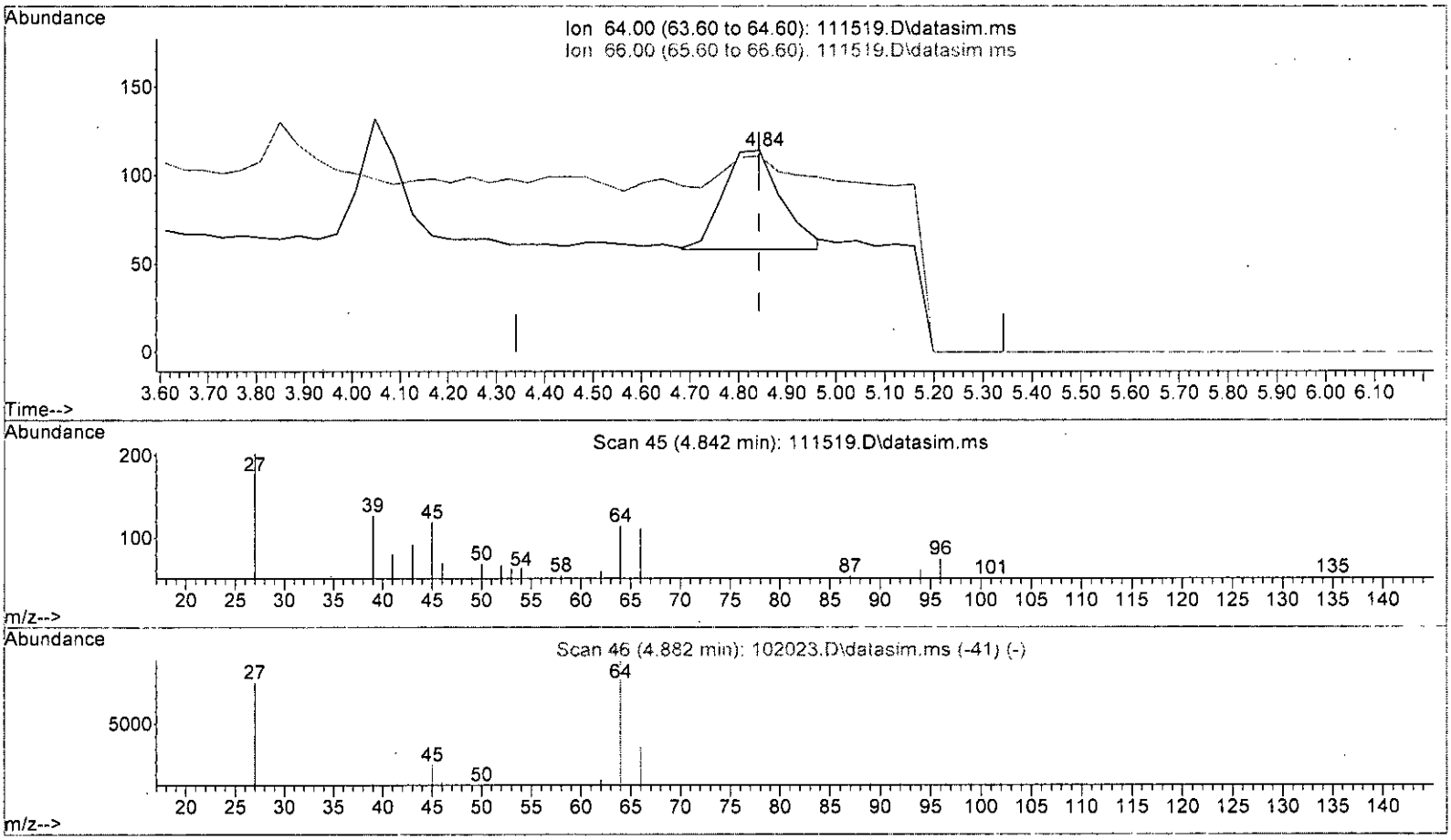
response 2089

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	97.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 0.115 ppbv m

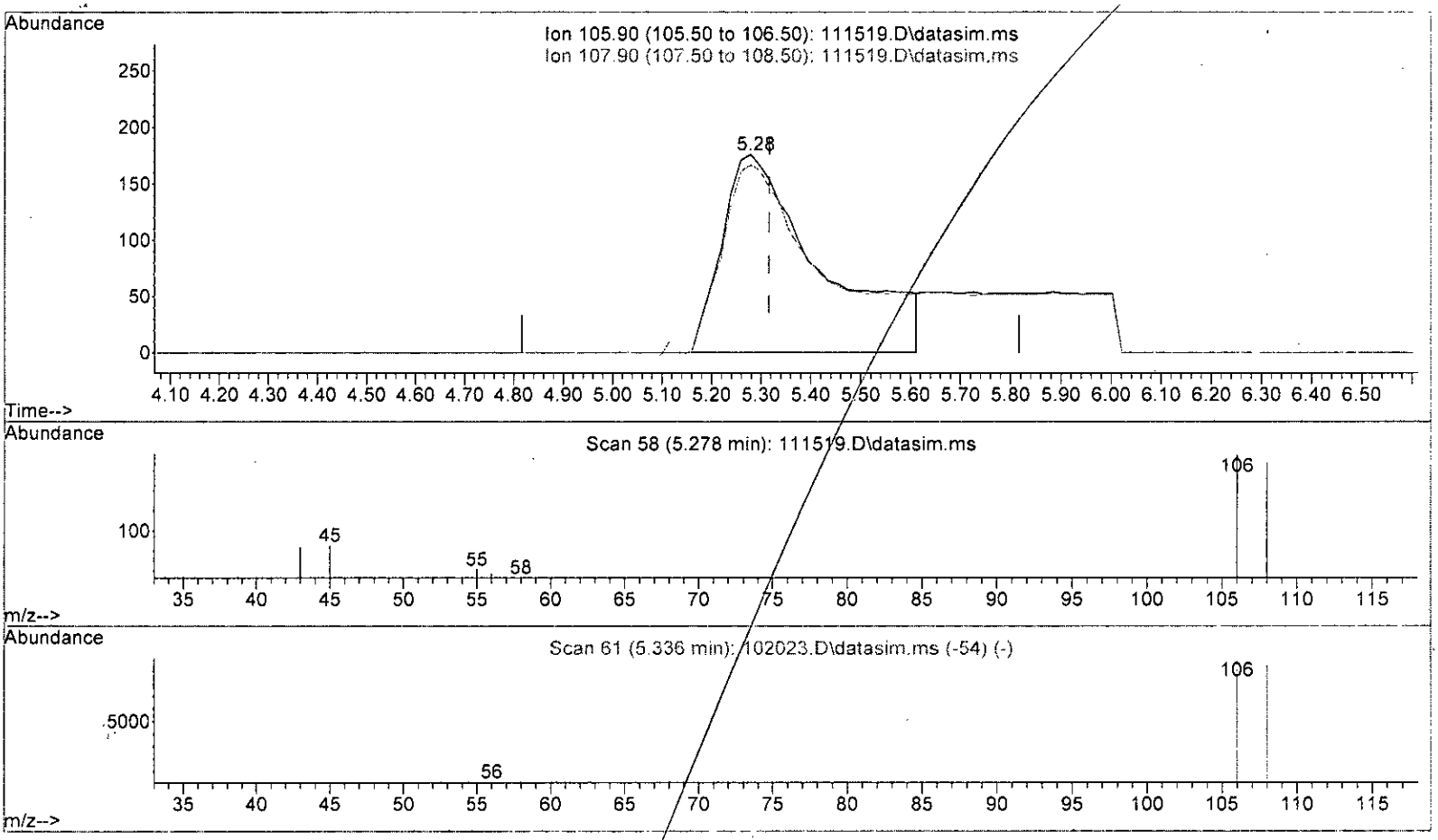
response 470

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	97.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

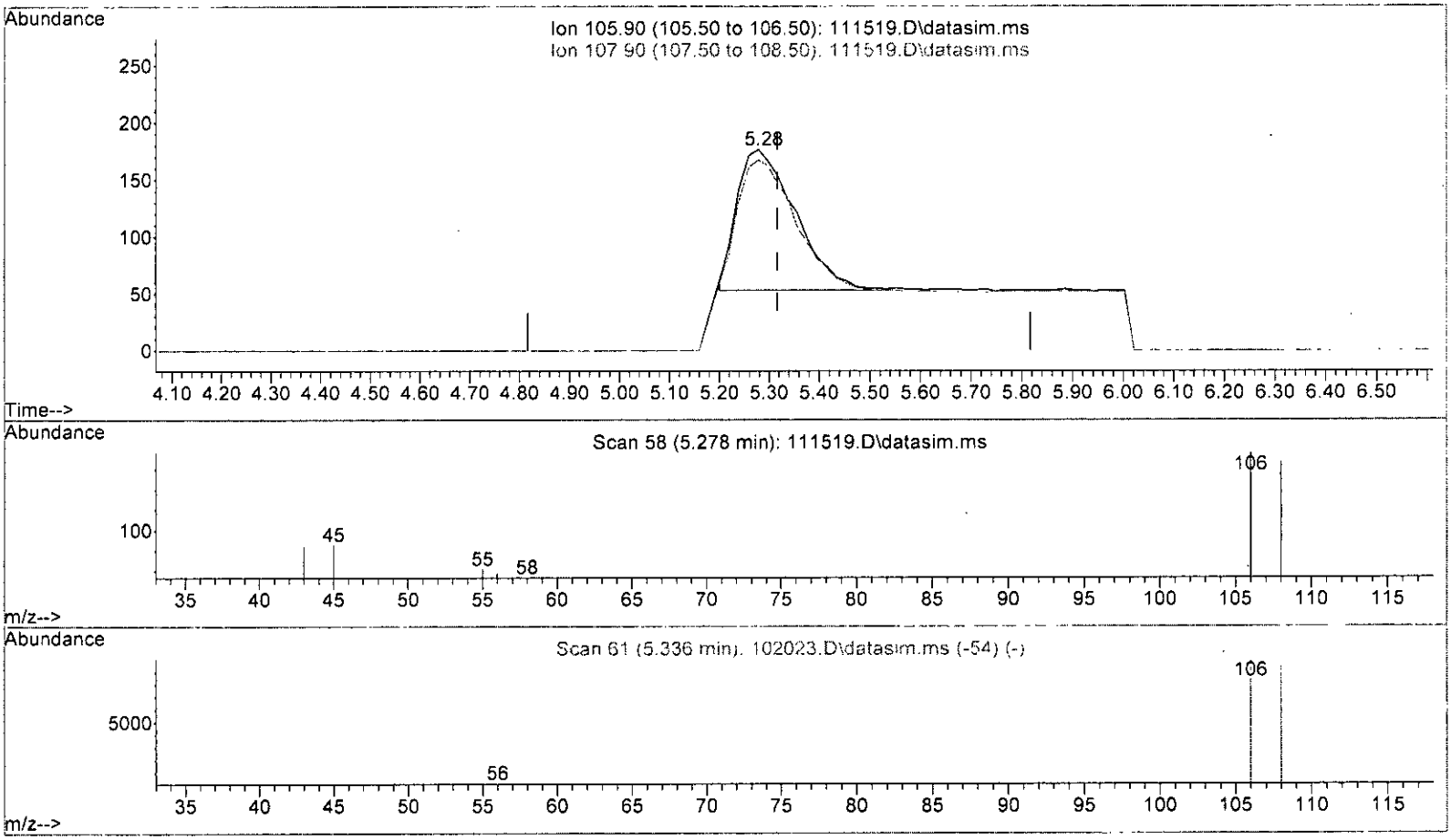
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.259 ppbv
response 2596

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	107.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(11) Vinyl bromide (TMP)

5.278min (-0.039) 0.100 ppbv m

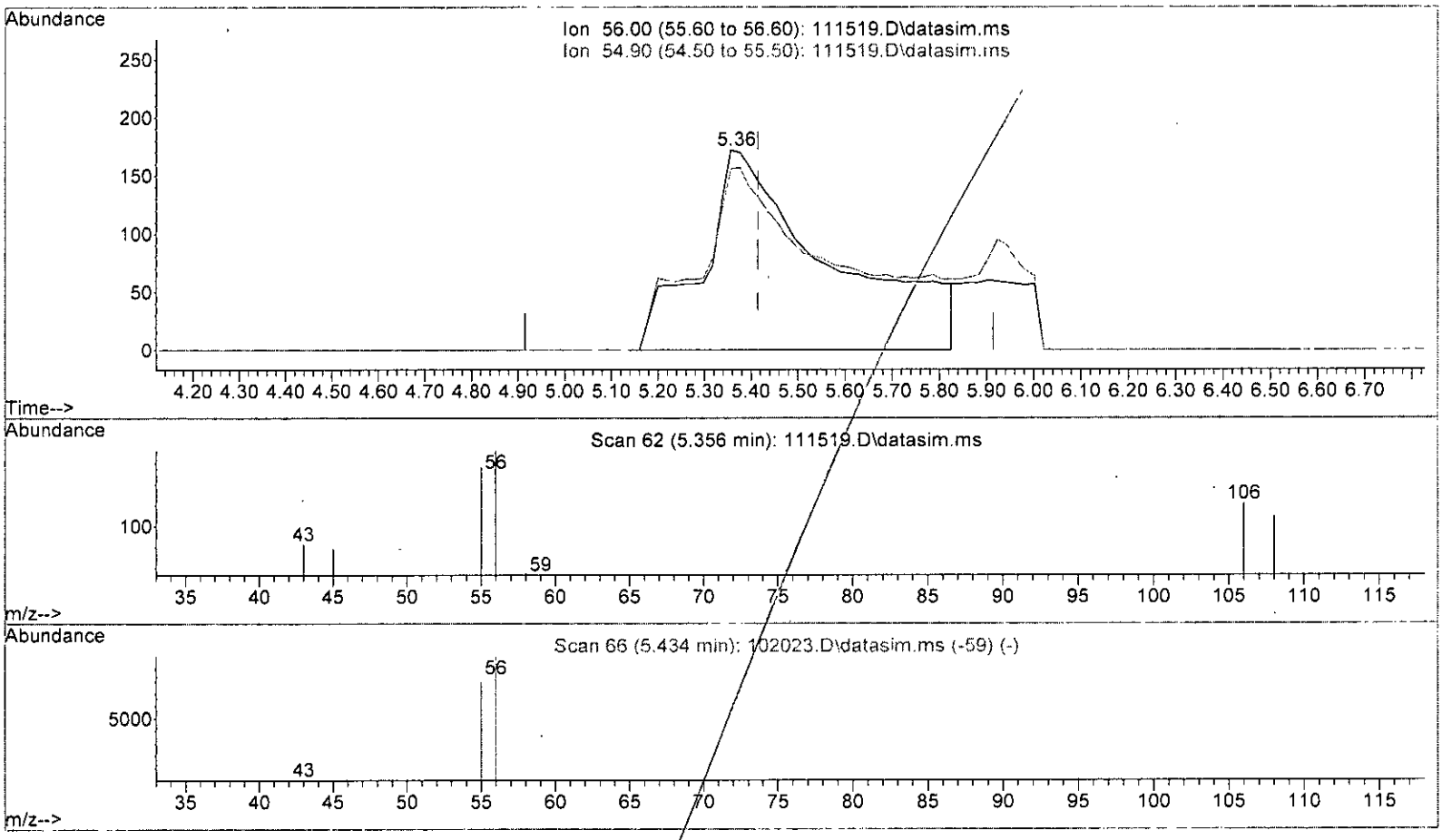
response 999

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	278.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.059) 0.754 ppbv

response 3423

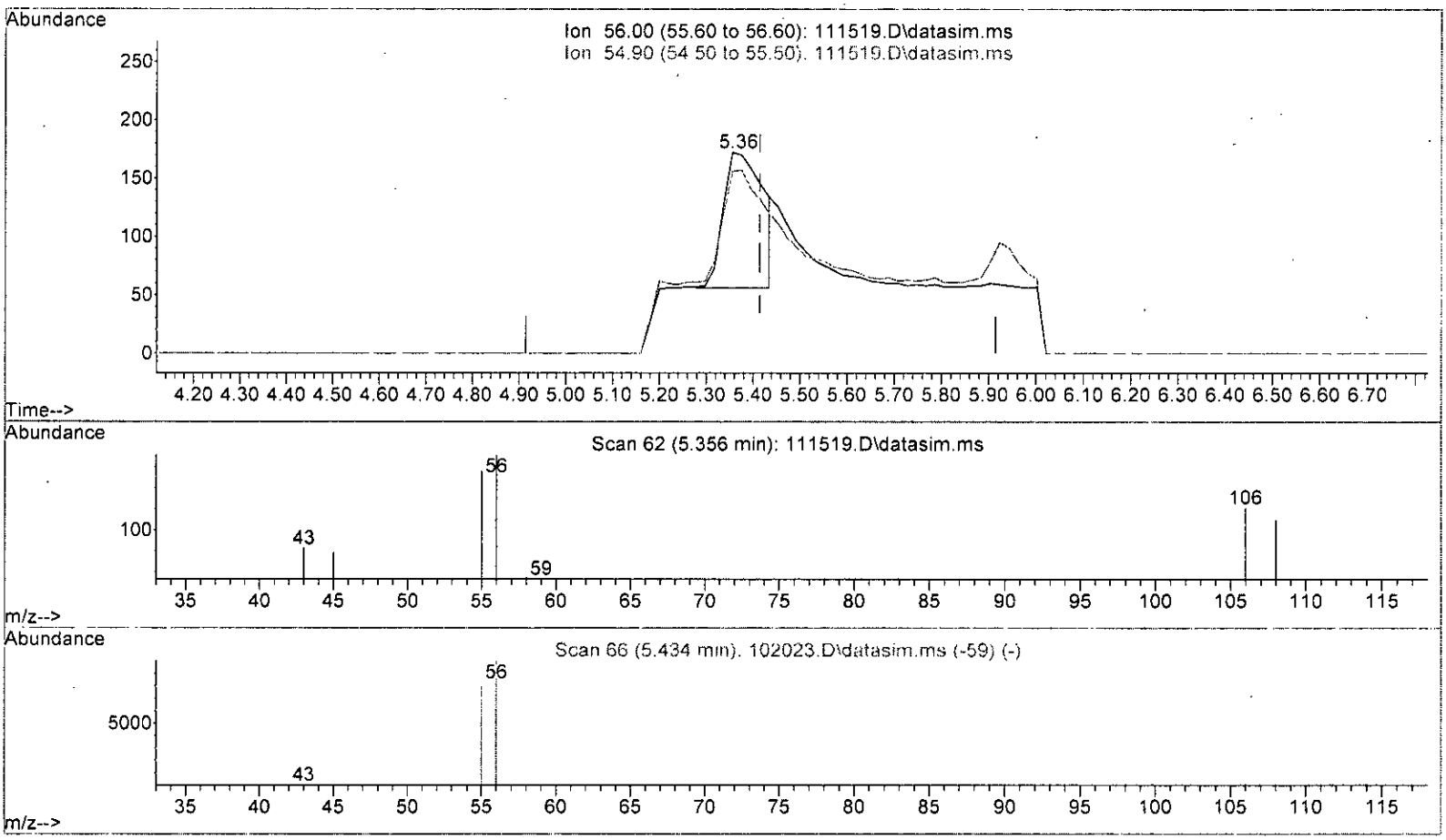
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	44.55#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.059) 0.152 ppbv m

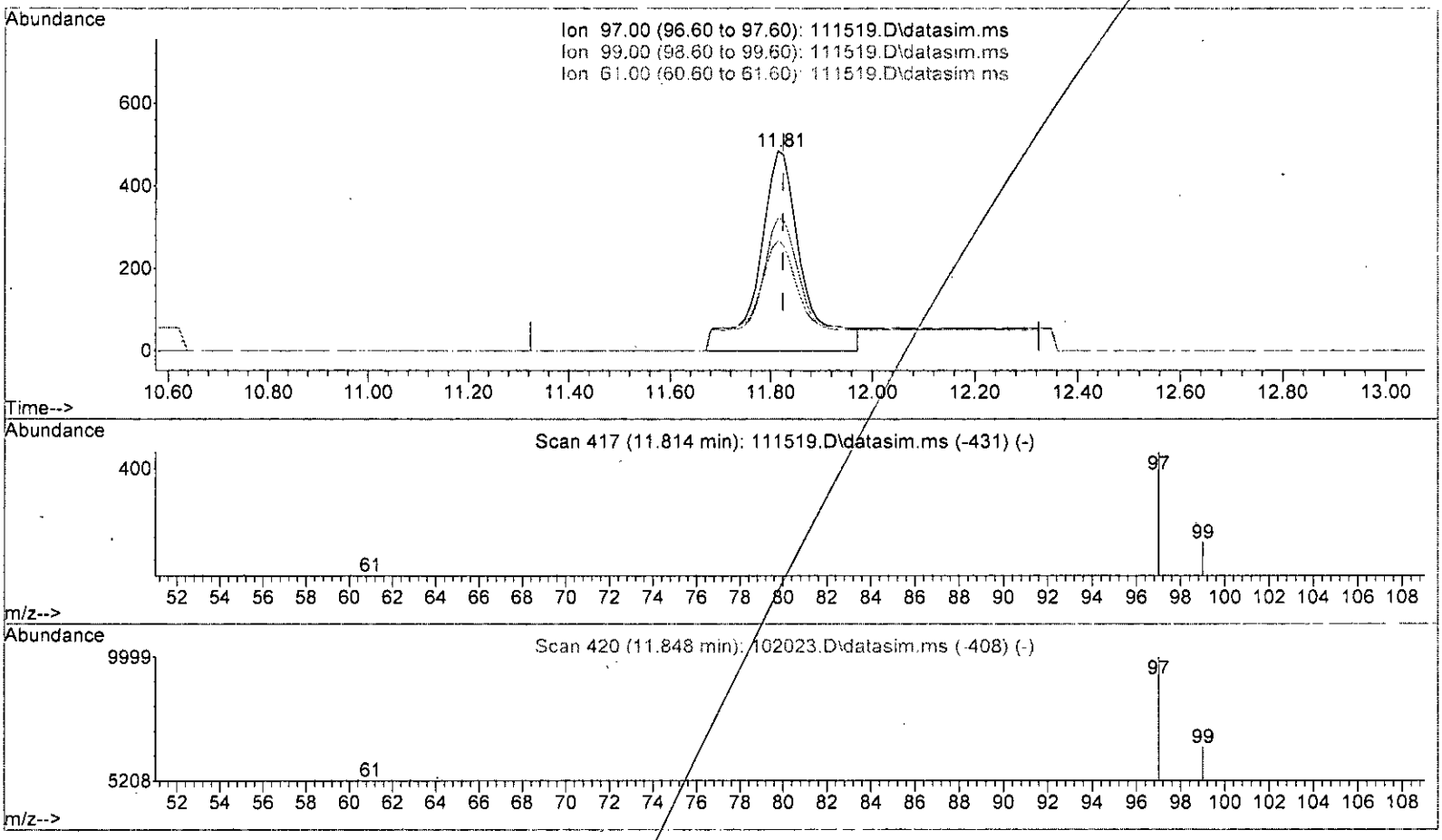
response 691

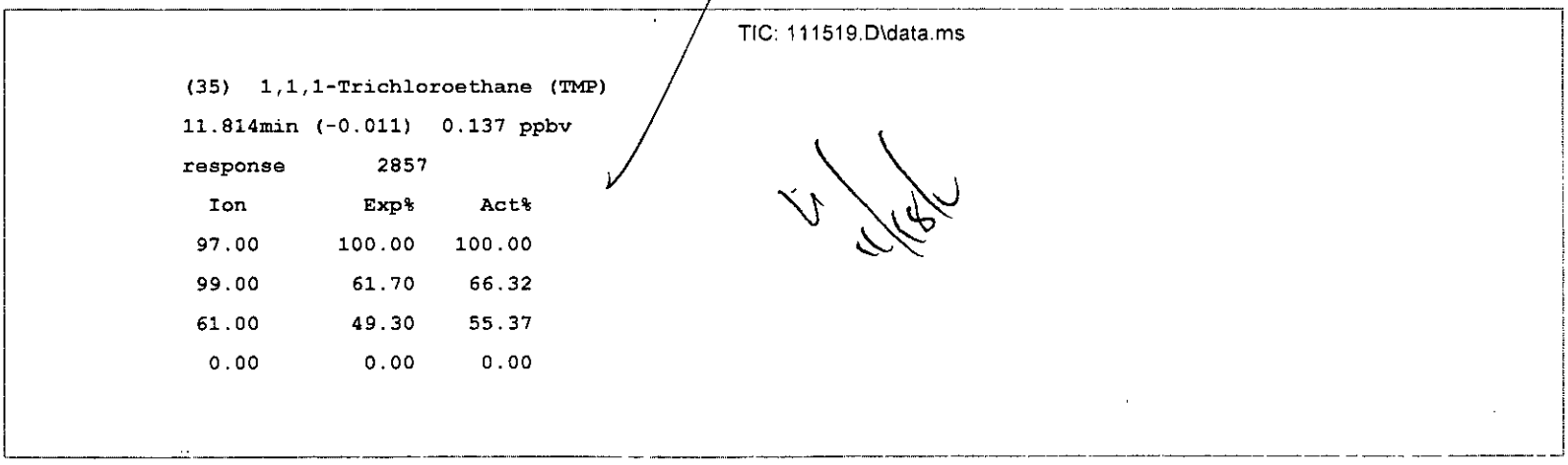
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	220.69#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





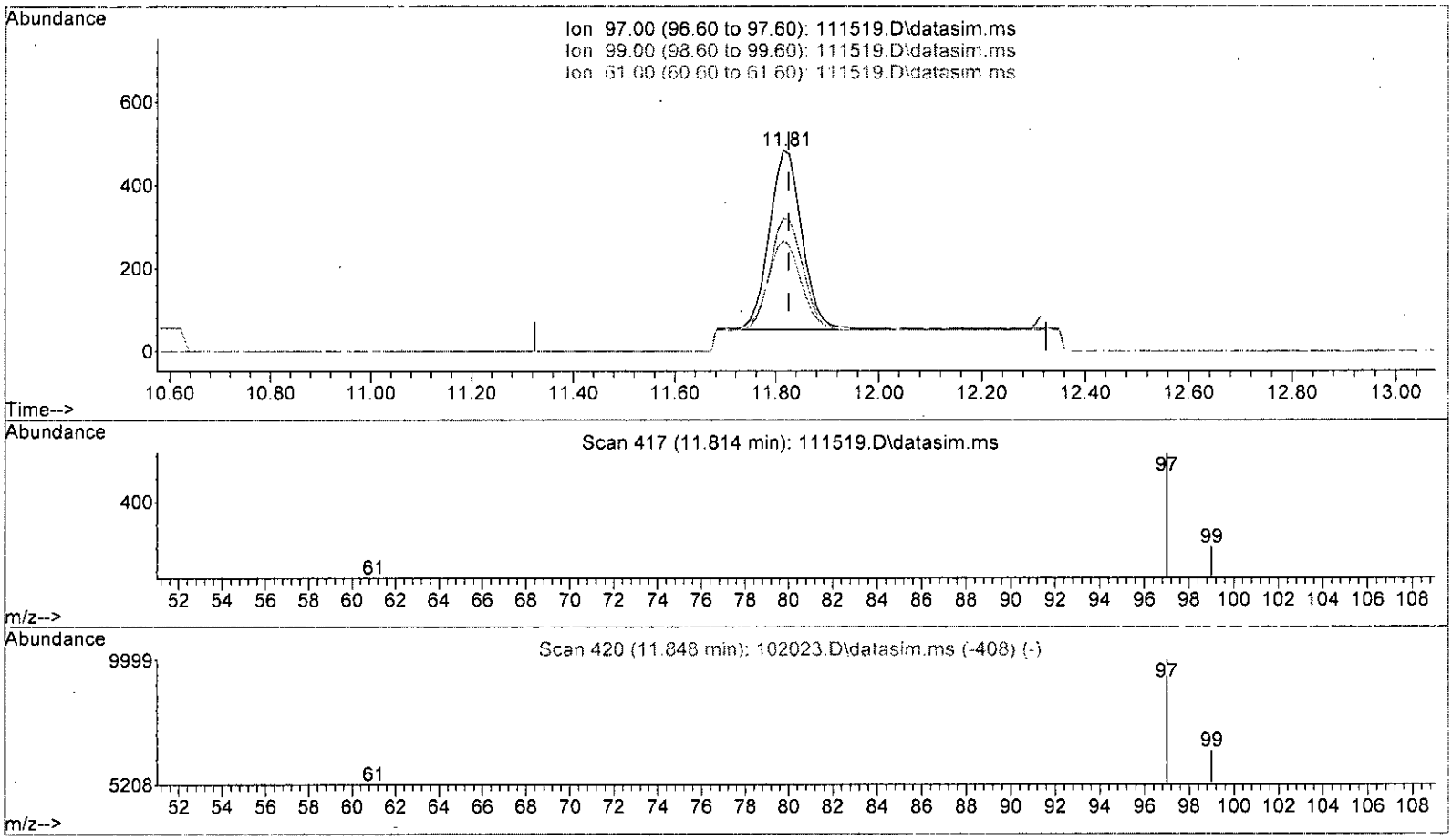
(35) 1,1,1-Trichloroethane (TMP)
11.814min (-0.011) 0.137 ppbv
response 2857

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.32
61.00	49.30	55.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.814min (-0.011) 0.093 ppbv m

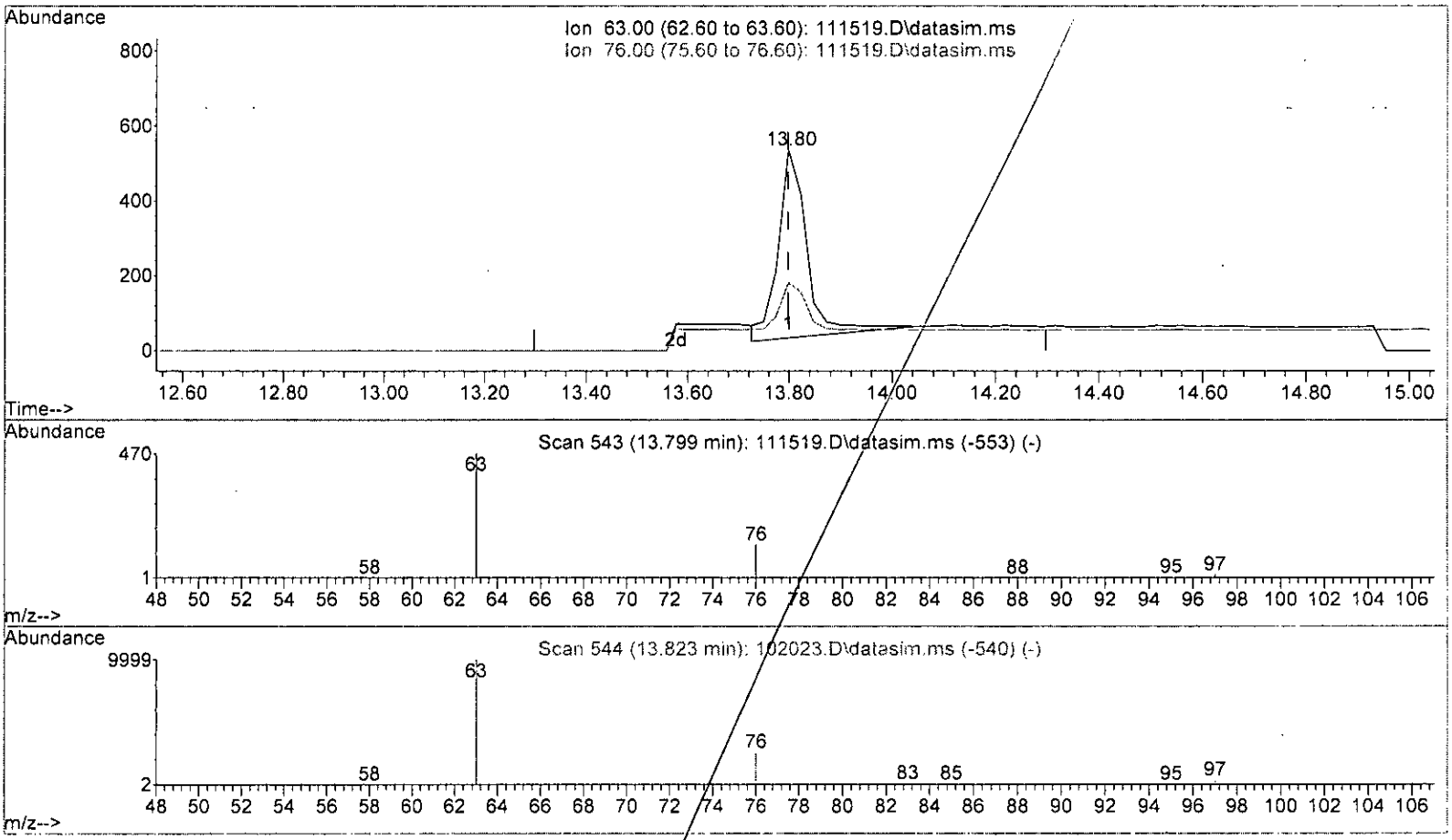
response 1935

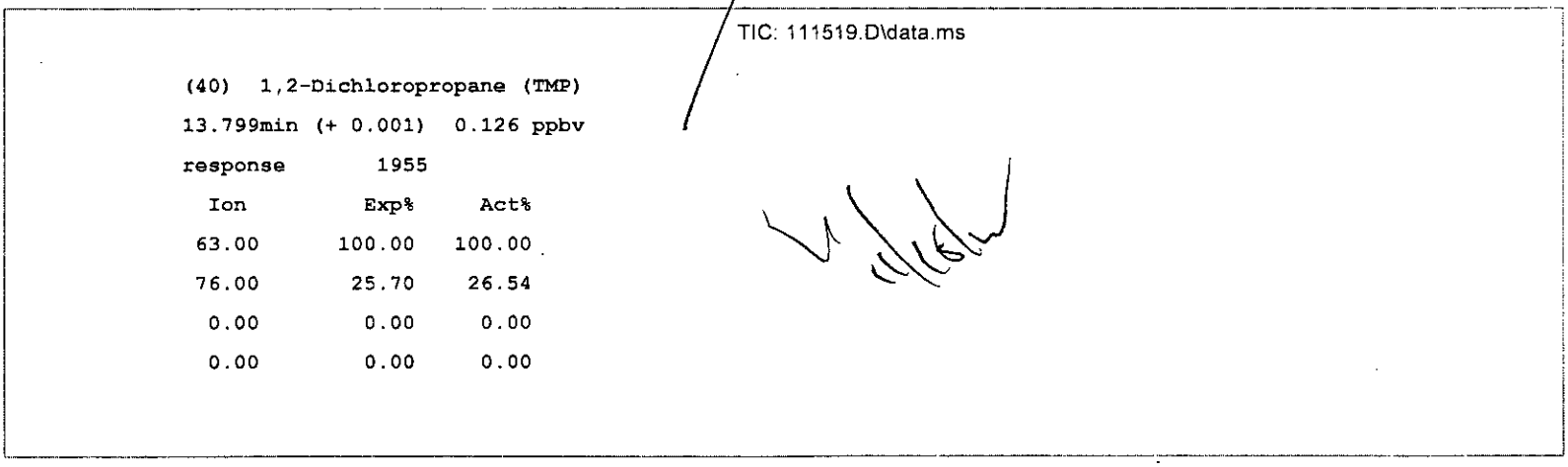
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.32
61.00	49.30	55.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





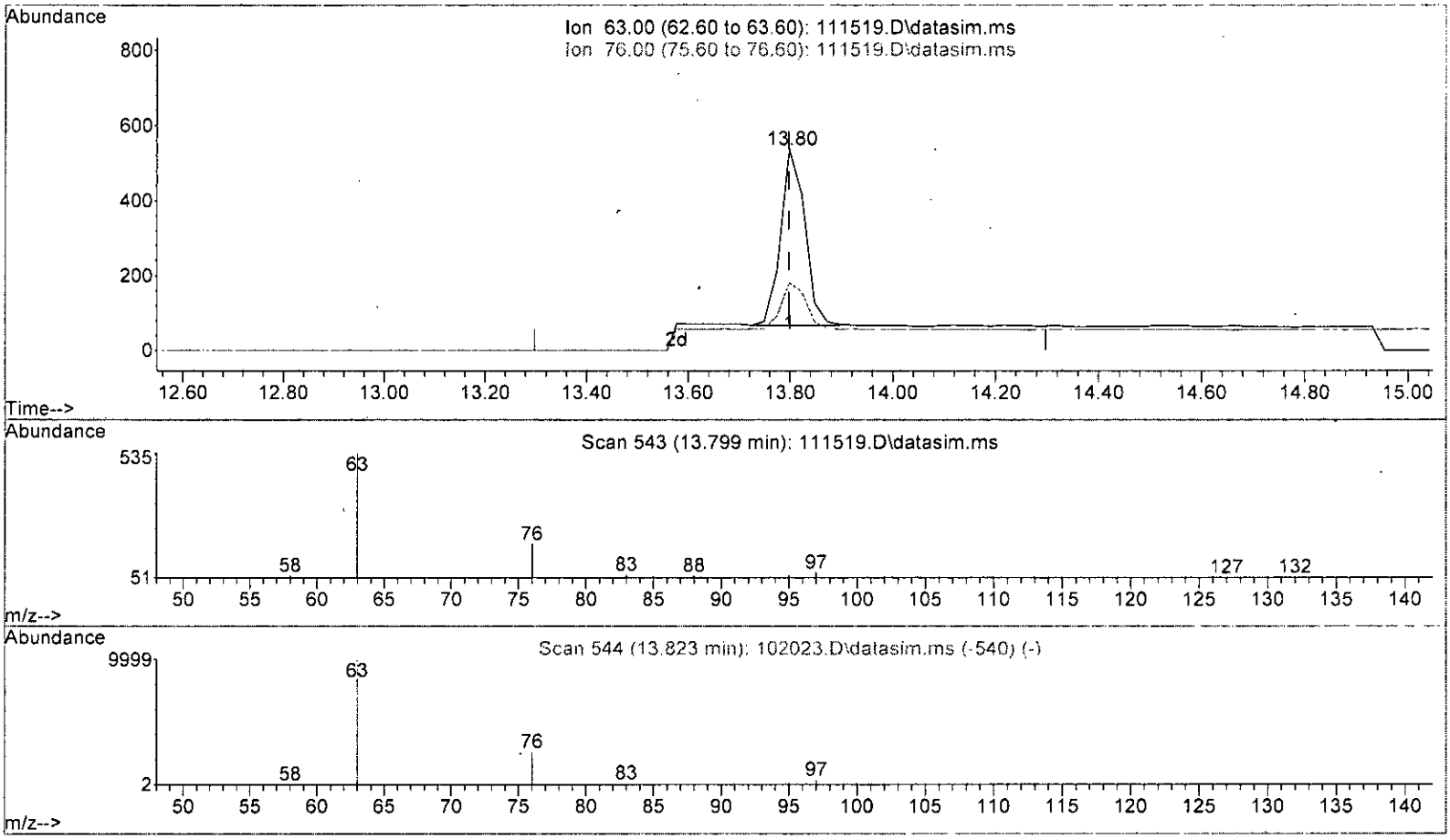
(40) 1,2-Dichloropropane (TMP)
13.799min (+ 0.001) 0.126 ppbv
response 1955

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.799min (+ 0.001) 0.099 ppbv m

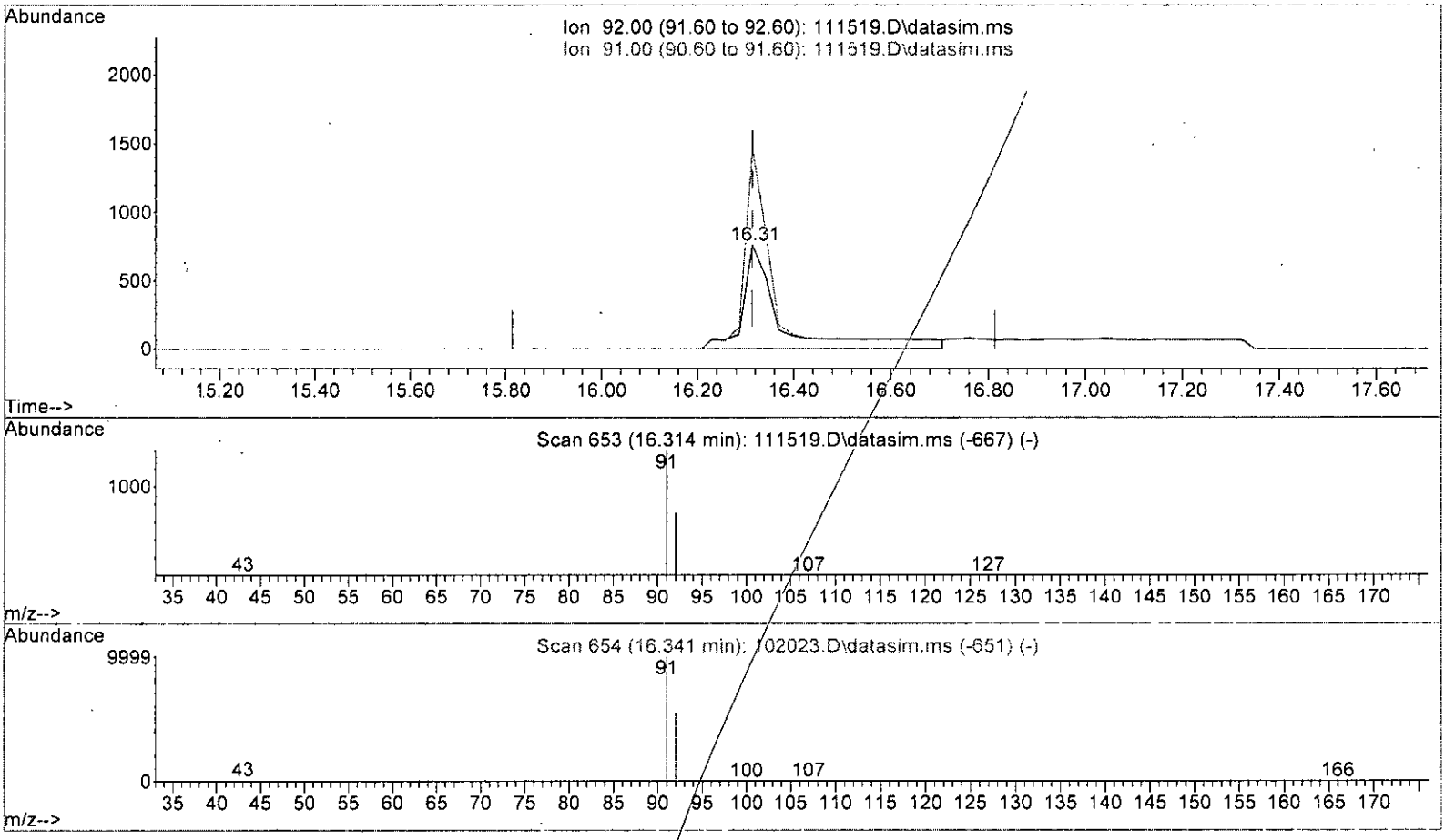
response 1540

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	33.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.206 ppbv

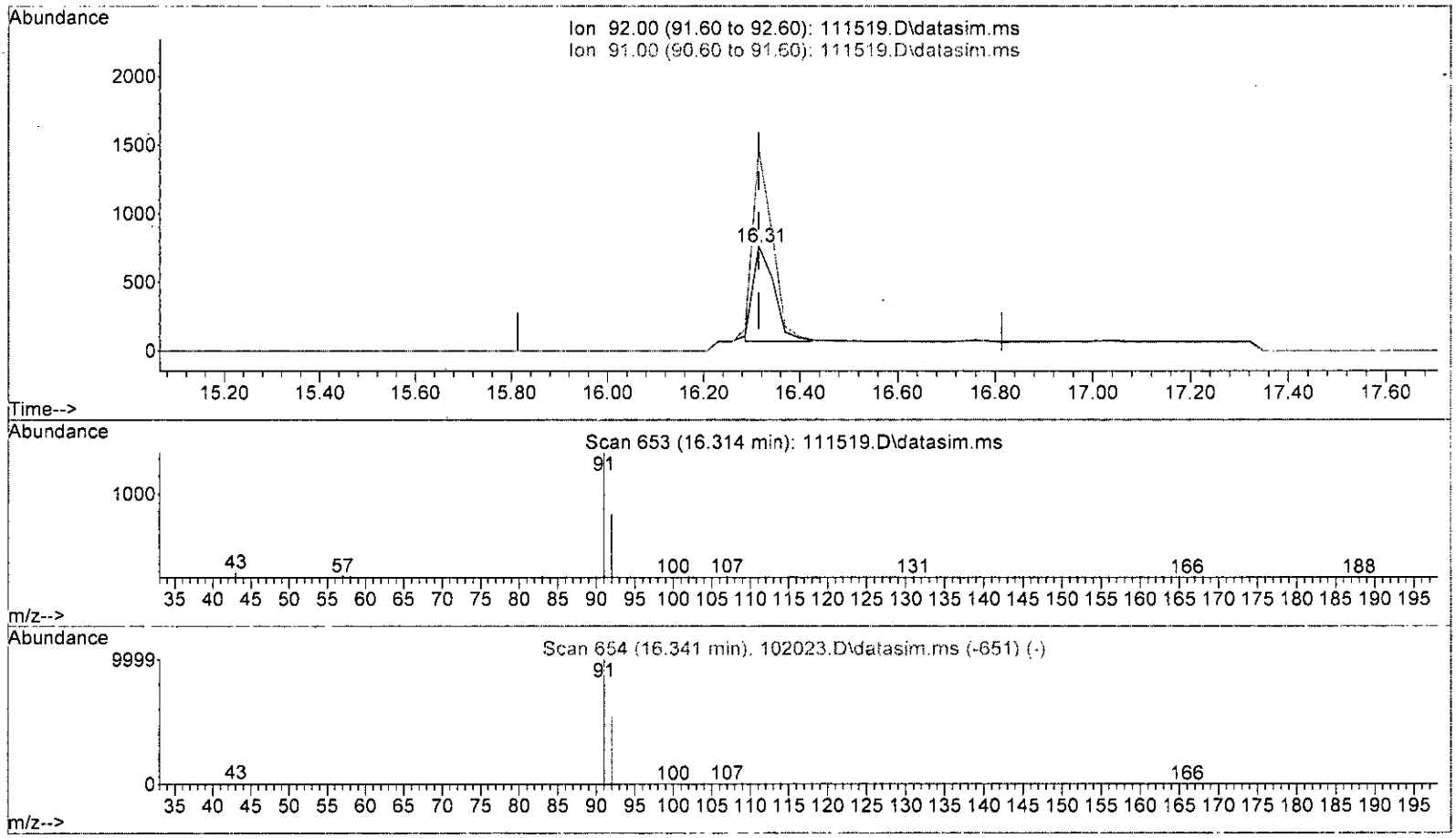
response 4170

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	193.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.103 ppbv m

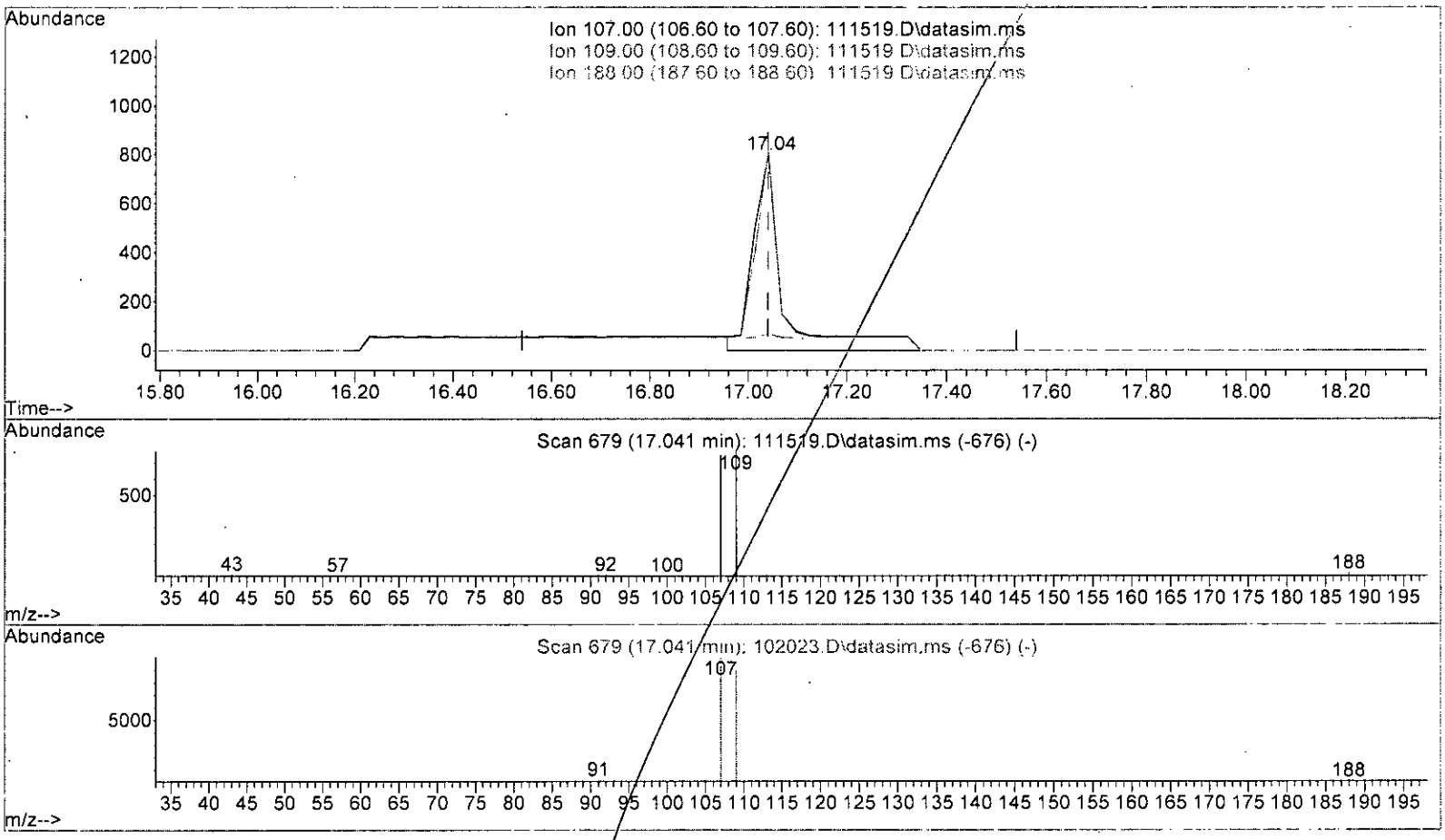
response 2091

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	193.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.144 ppbv

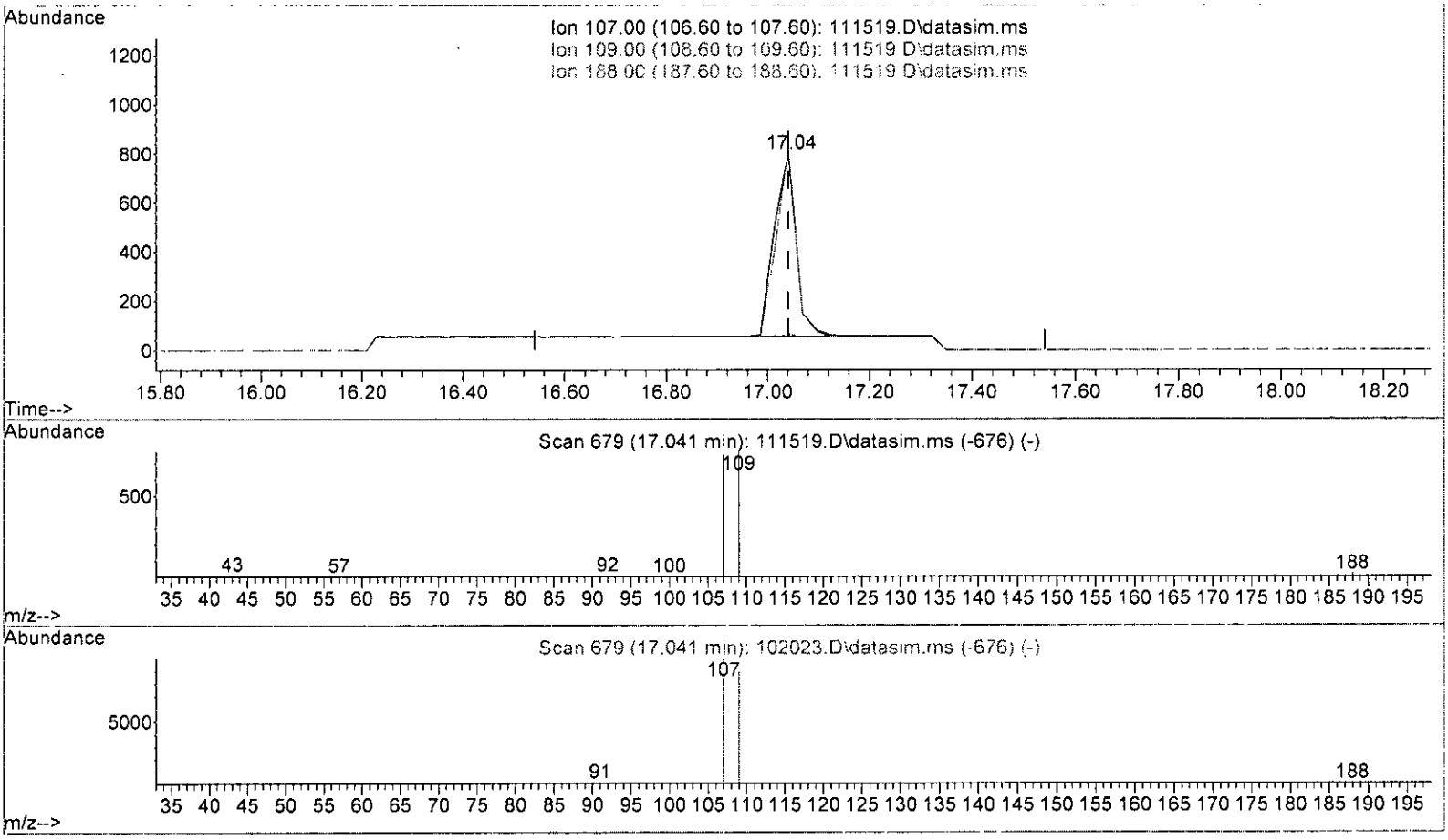
response 3318

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.25
188.00	2.70	8.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.093 ppbv m

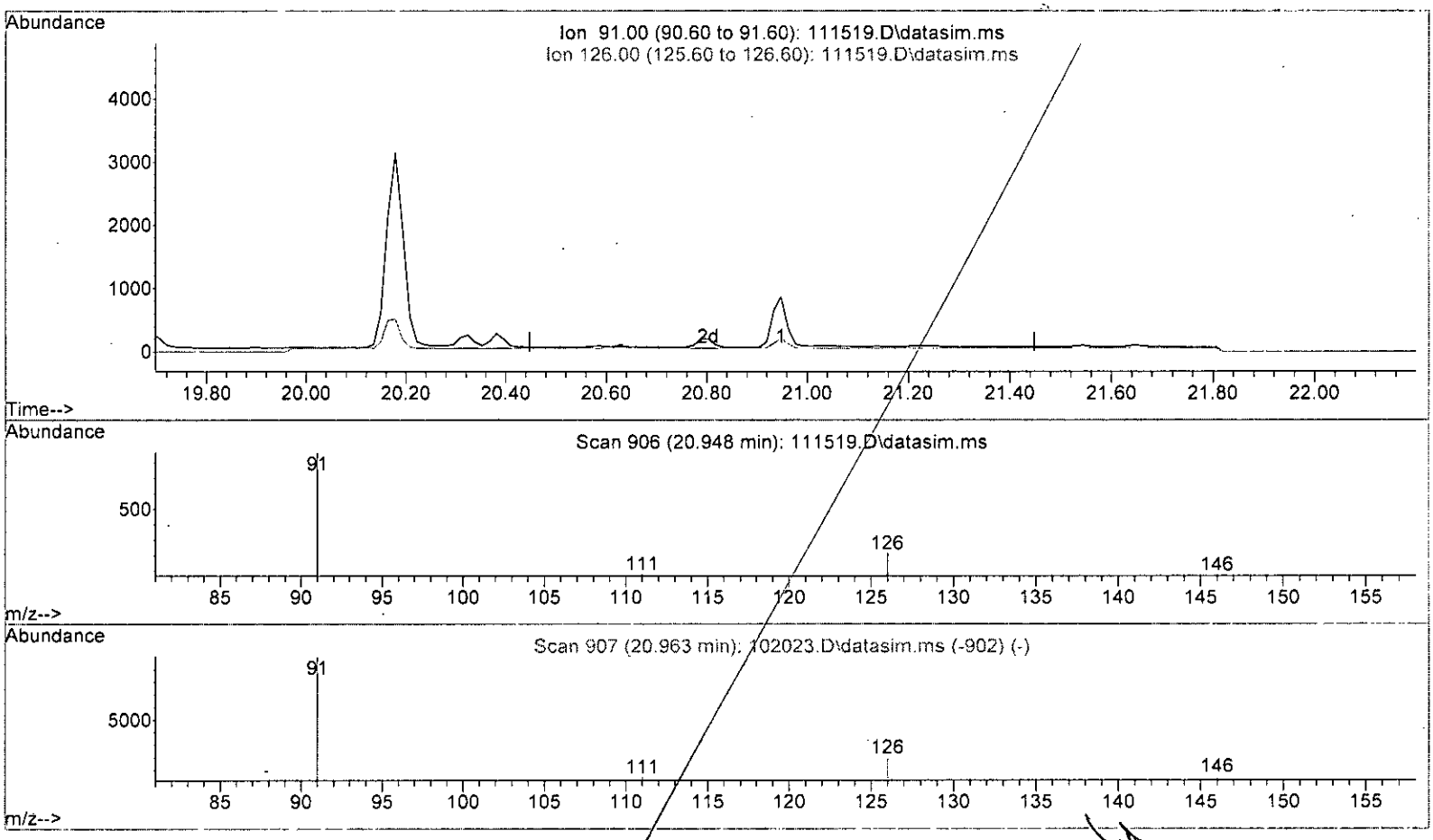
response 2202

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.25
188.00	2.70	8.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(70) Benzyl chloride (TMP)

20.948min 0.000 ppbv d

response 0

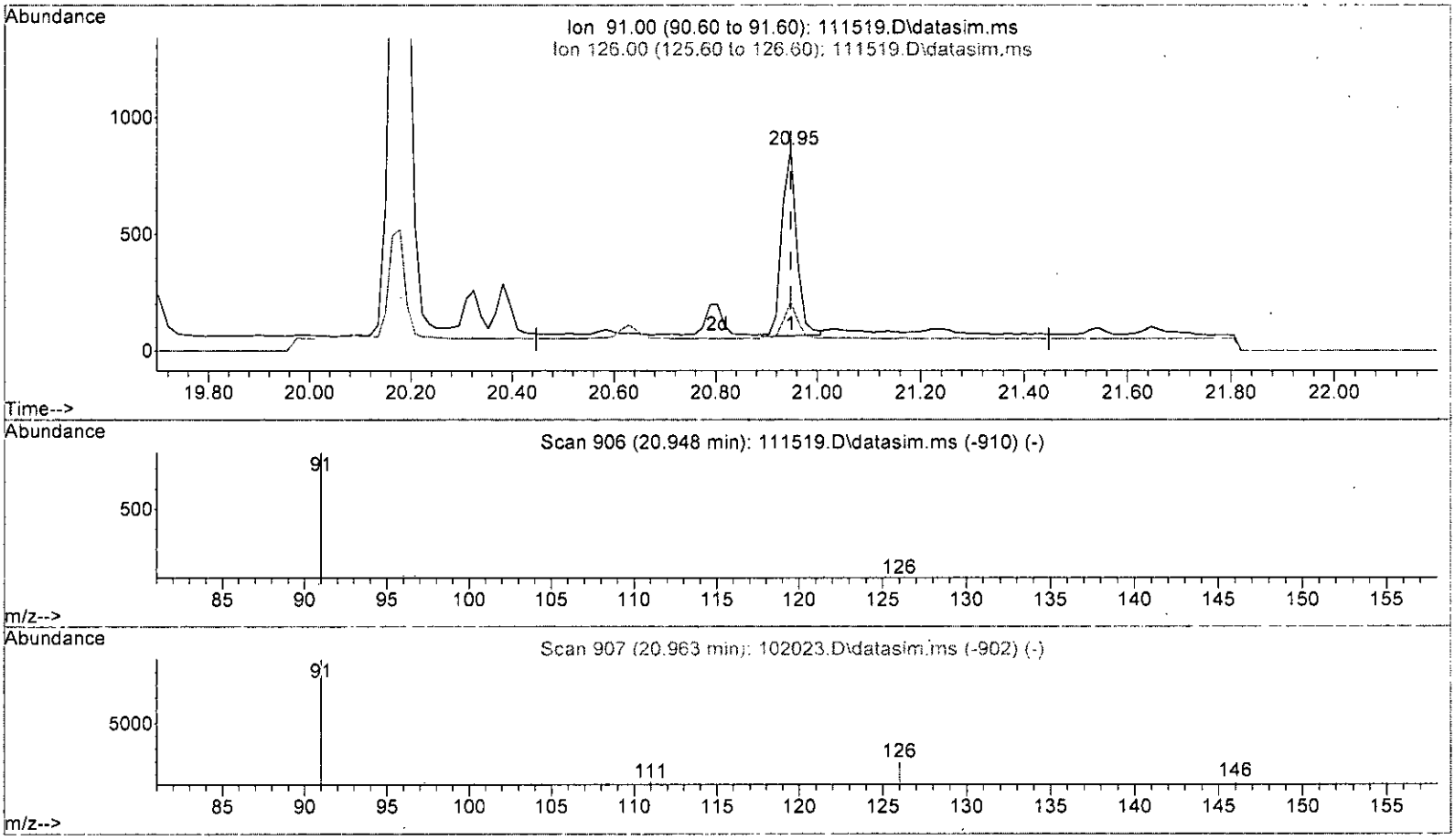
Ion	Exp%	Act%
91.00	100.00	0.00
126.00	20.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(70) Benzyl chloride (TMP)

20.948min (+ 0.000) 0.058 ppbv m

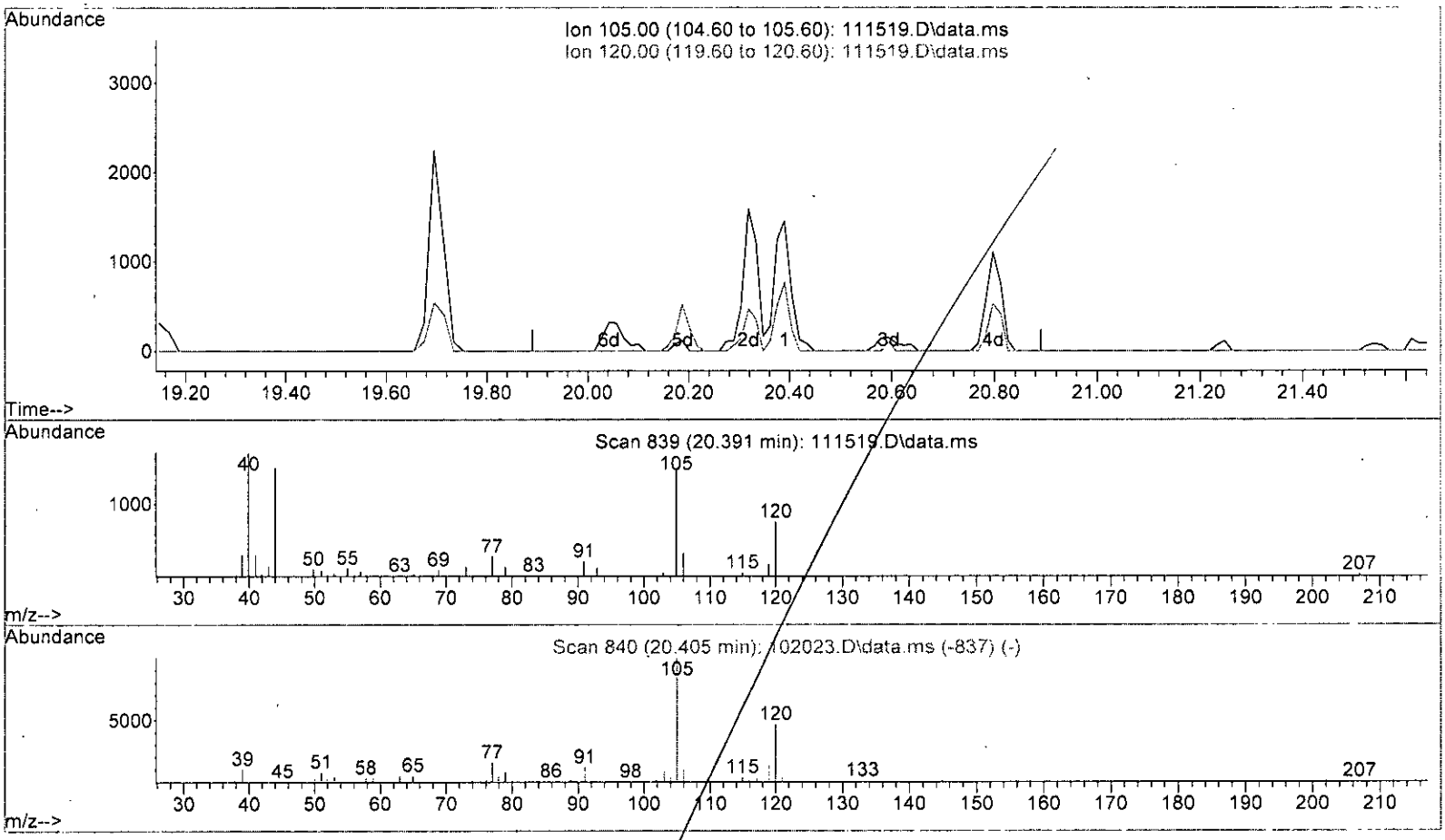
response 1628

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	24.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(71) 1,3,5-Trimethylbenzene (TMP)

20.391min 0.000 ppbv d

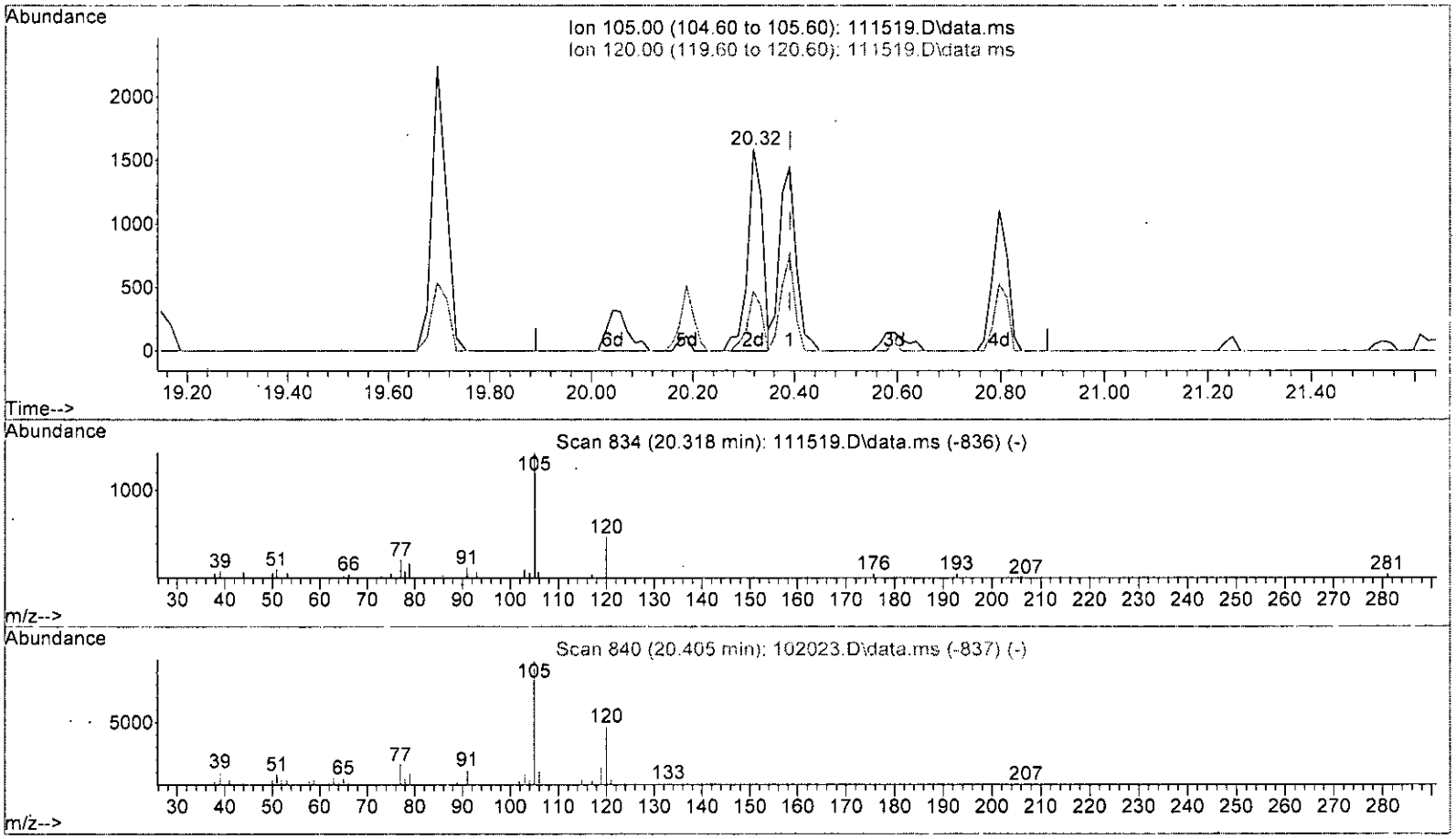
response 0

Ion	Exp%	Act%
105.00	100.00	0.00
120.00	43.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(71) 1,3,5-Trimethylbenzene (TMP)

20.318min (-0.073) 0.088 ppbv m

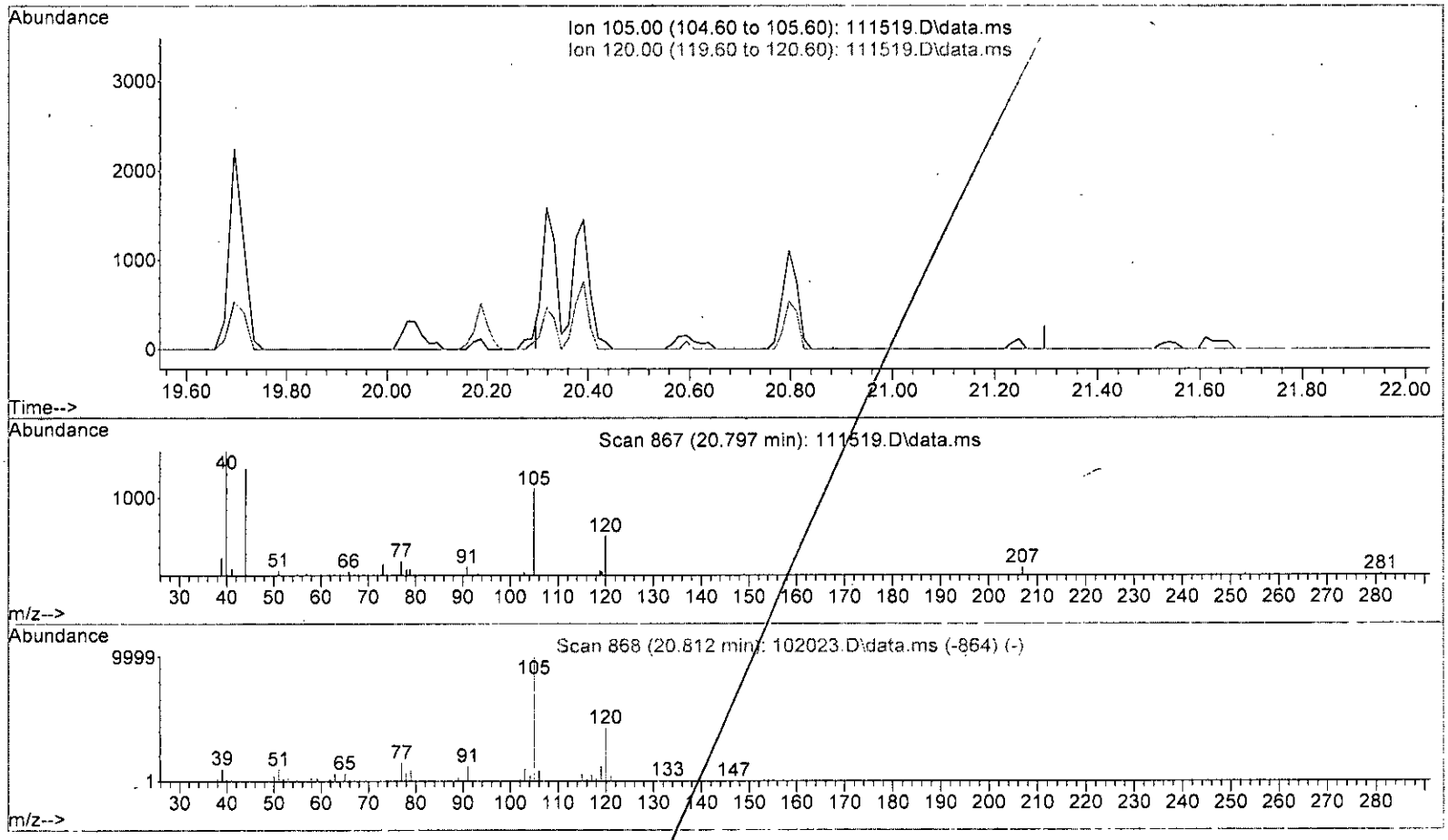
response 3200

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.40	29.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(72) 1,2,4-Trimethylbenzene (TMP)

20.797min 0.000 ppbv d

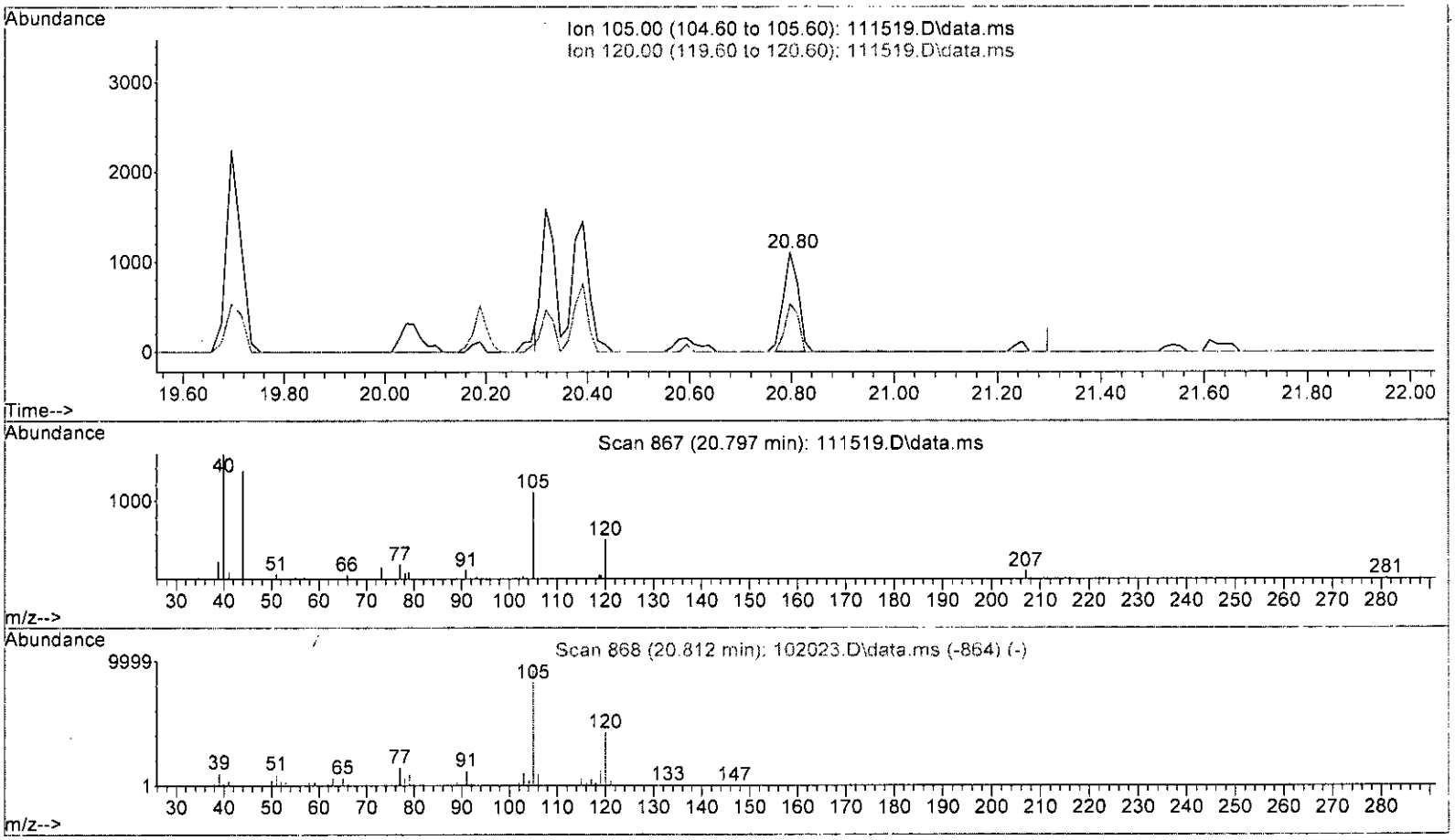
response 0

Ion	Exp%	Act%
105.00	100.00	0.00
120.00	41.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(72) 1,2,4-Trimethylbenzene (TMP)

20.797min (+ 0.000) 0.132 ppbv m

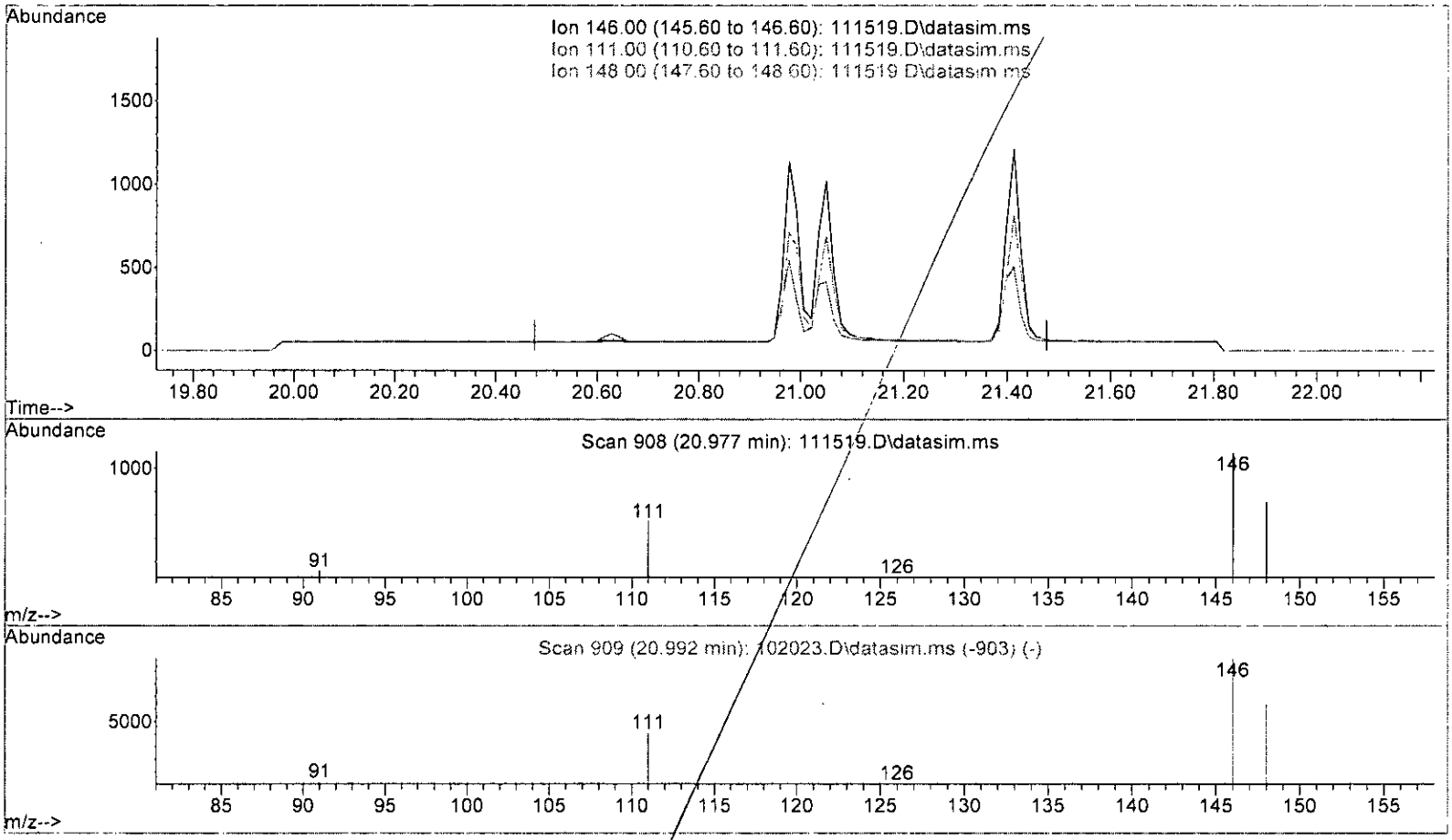
response 2264

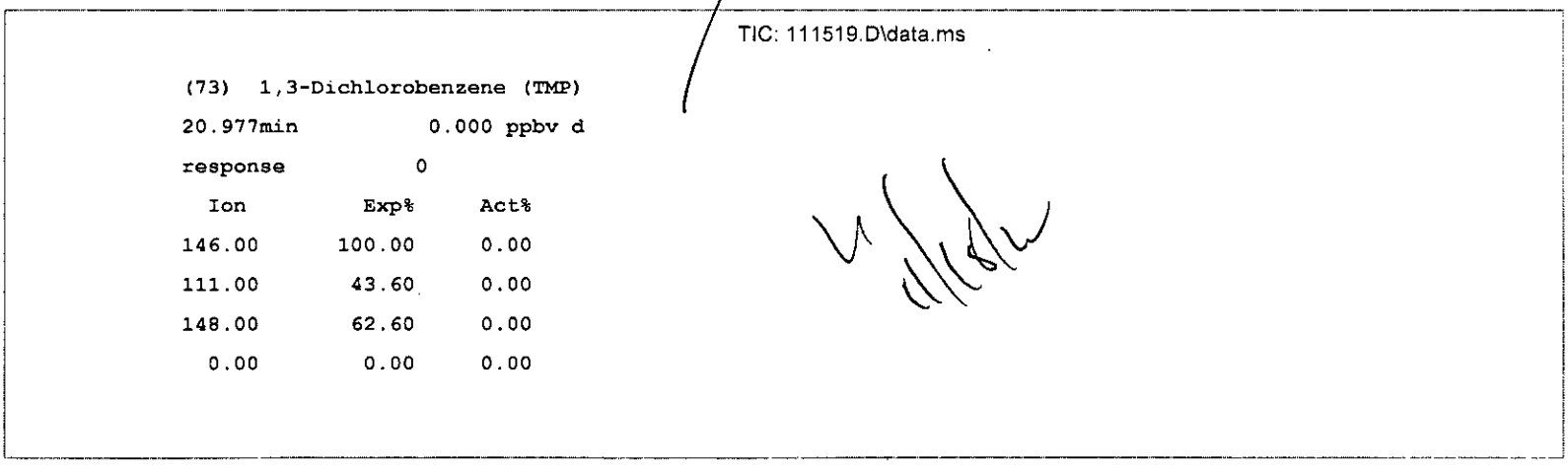
Ion	Exp%	Act%
105.00	100.00	100.00
120.00	41.00	48.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





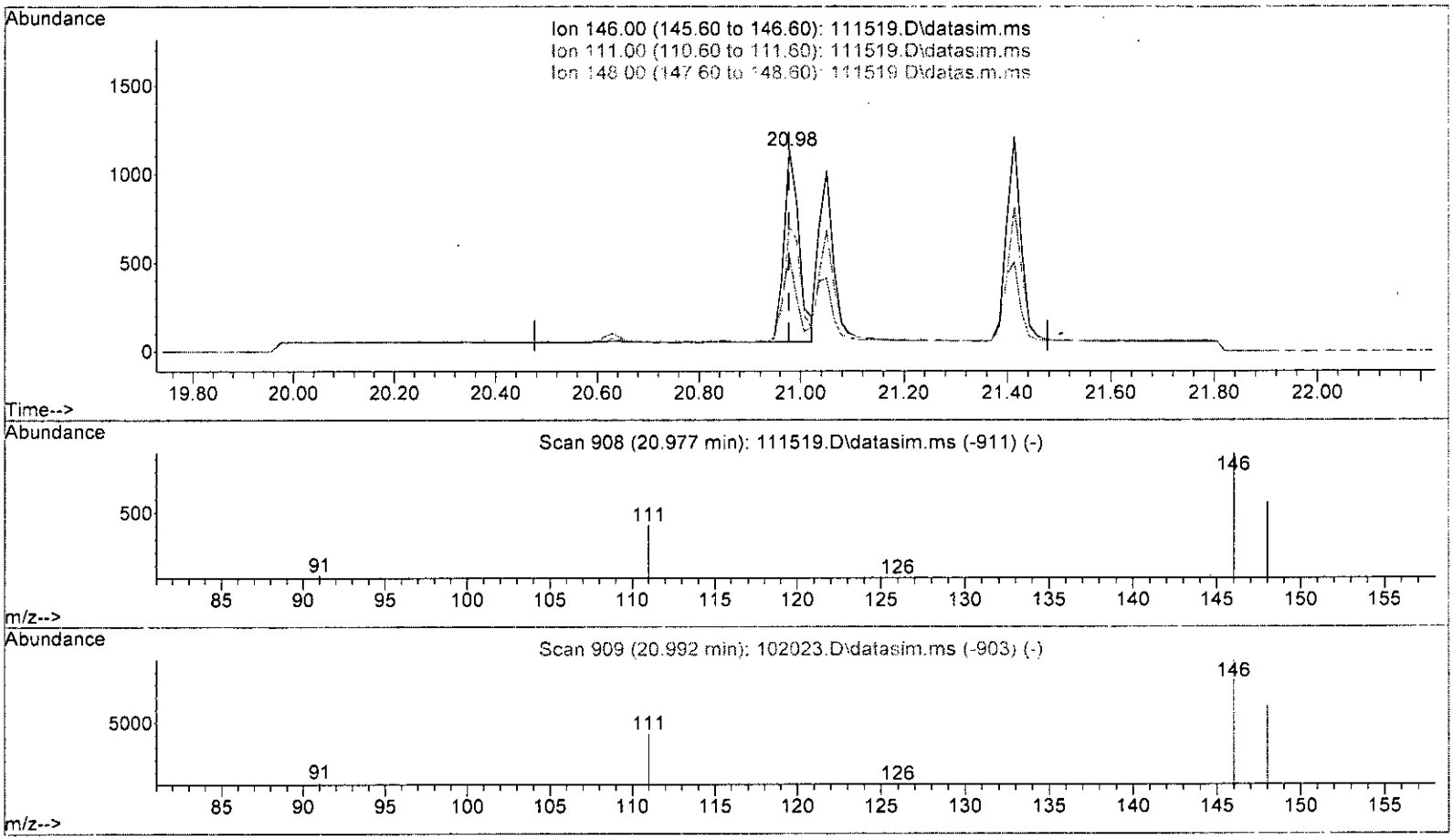
(73) 1,3-Dichlorobenzene (TMP)
20.977min 0.000 ppbv d
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	43.60	0.00
148.00	62.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

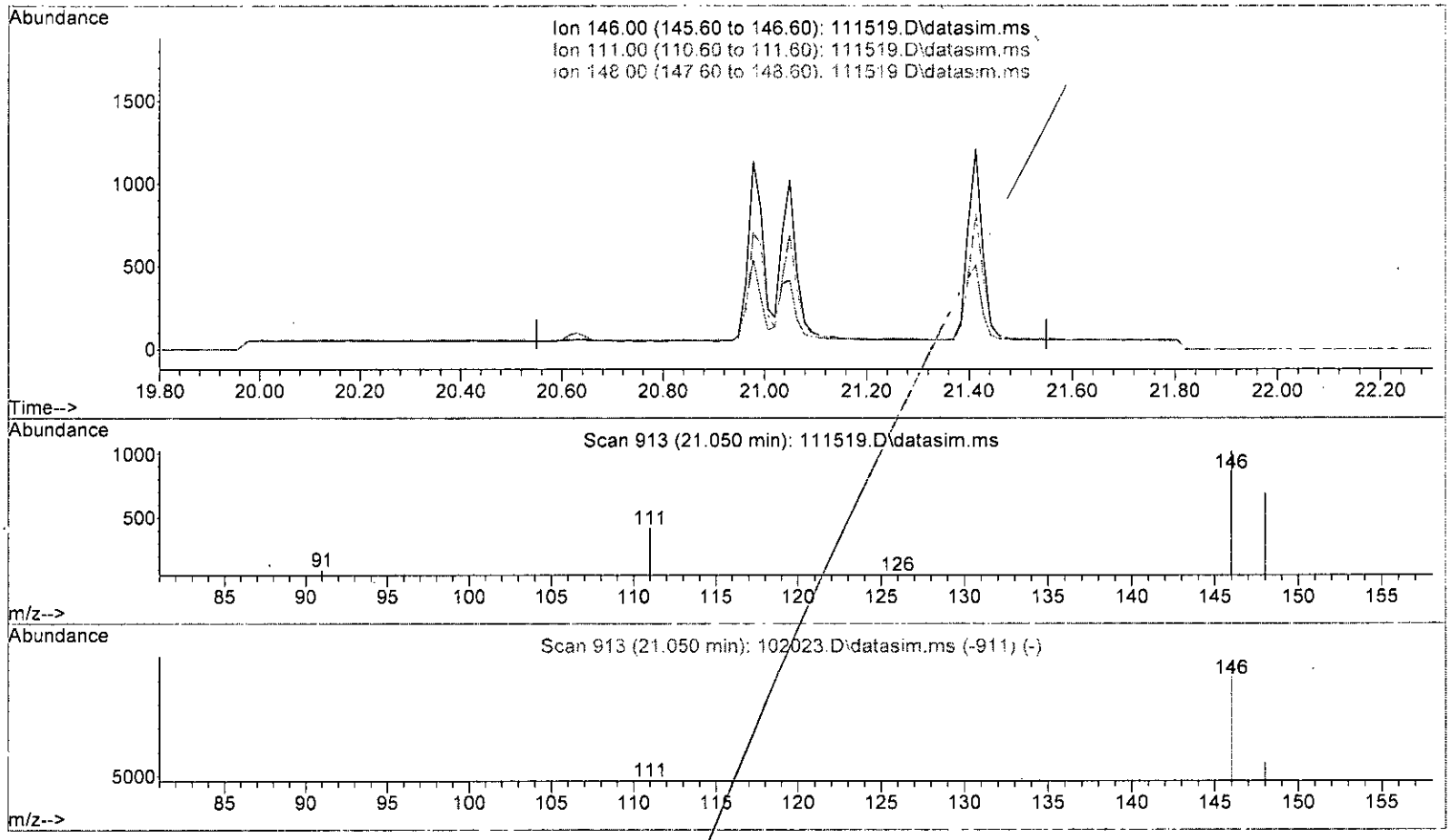
(73) 1,3-Dichlorobenzene (TMP)
20.977min (+ 0.000) 0.088 ppbv m
response 2242

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	43.60	47.67
148.00	62.60	62.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

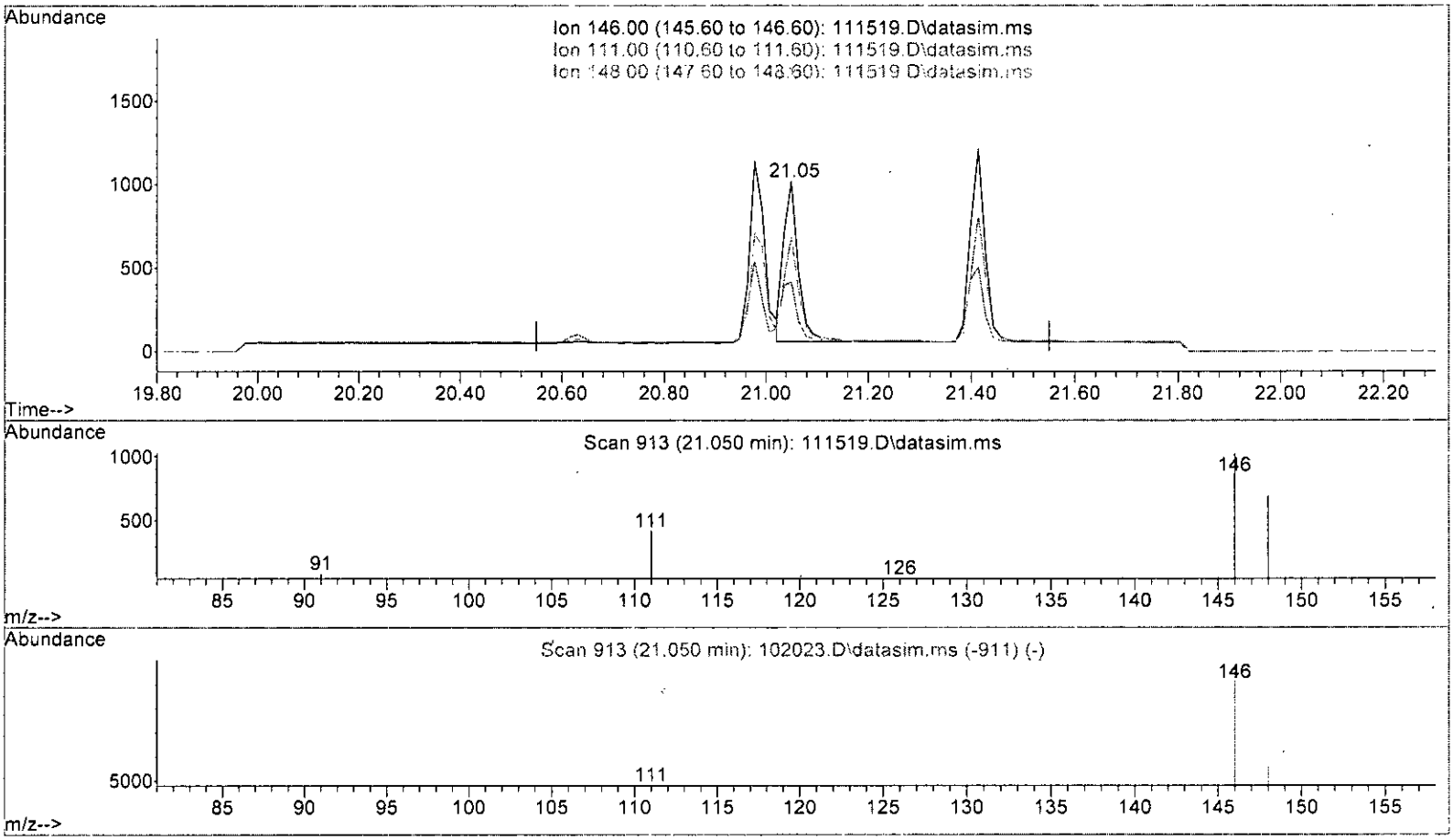
(74) 1,4-Dichlorobenzene (TMP)
21.050min 0.000 ppbv d
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	35.50	0.00
148.00	68.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

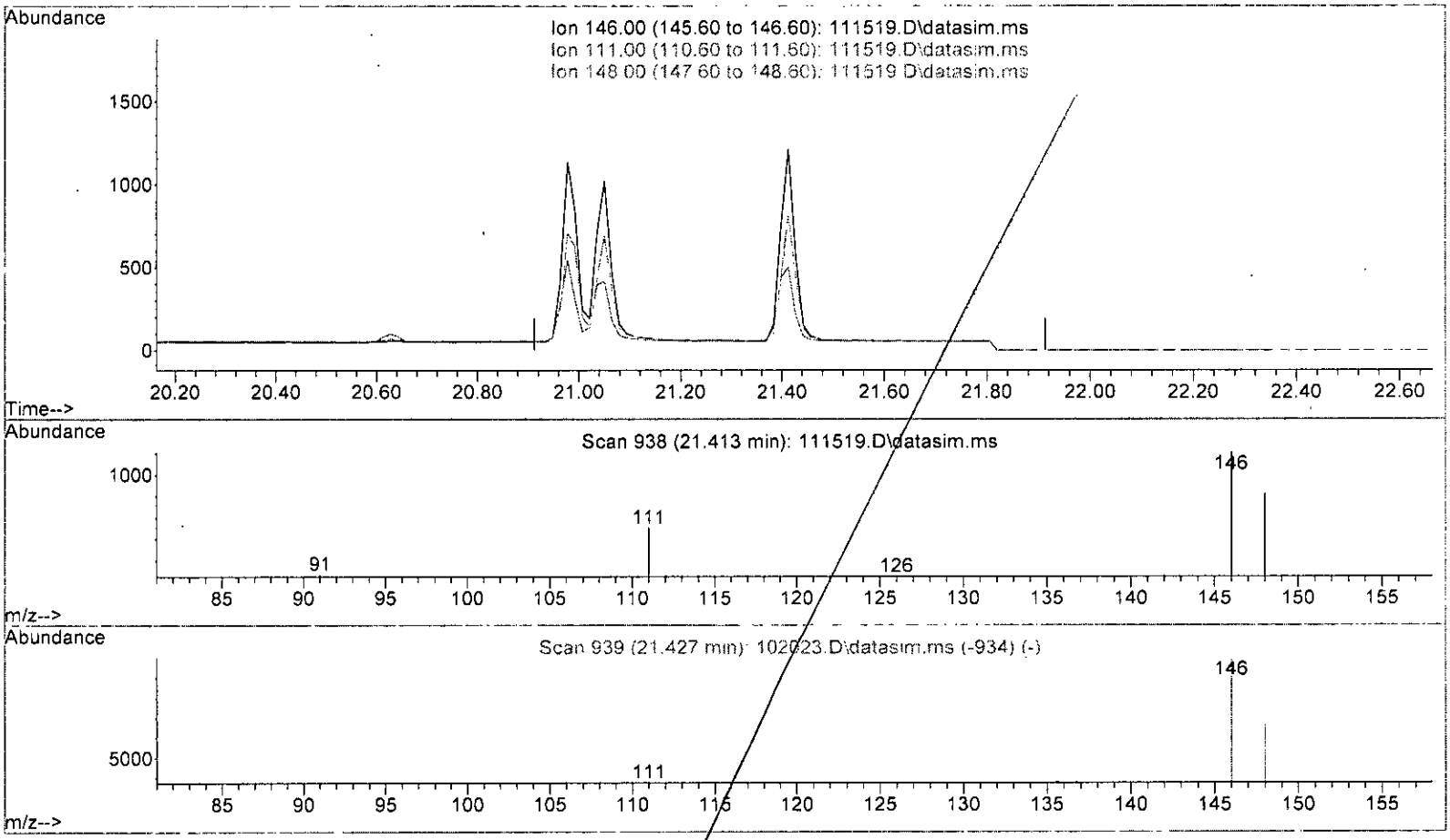
(74) 1,4-Dichlorobenzene (TMP)
21.050min (+ 0.000) 0.082 ppbv m
response 1951

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	35.50	40.81
148.00	68.80	67.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.413min 0.000 ppbv d

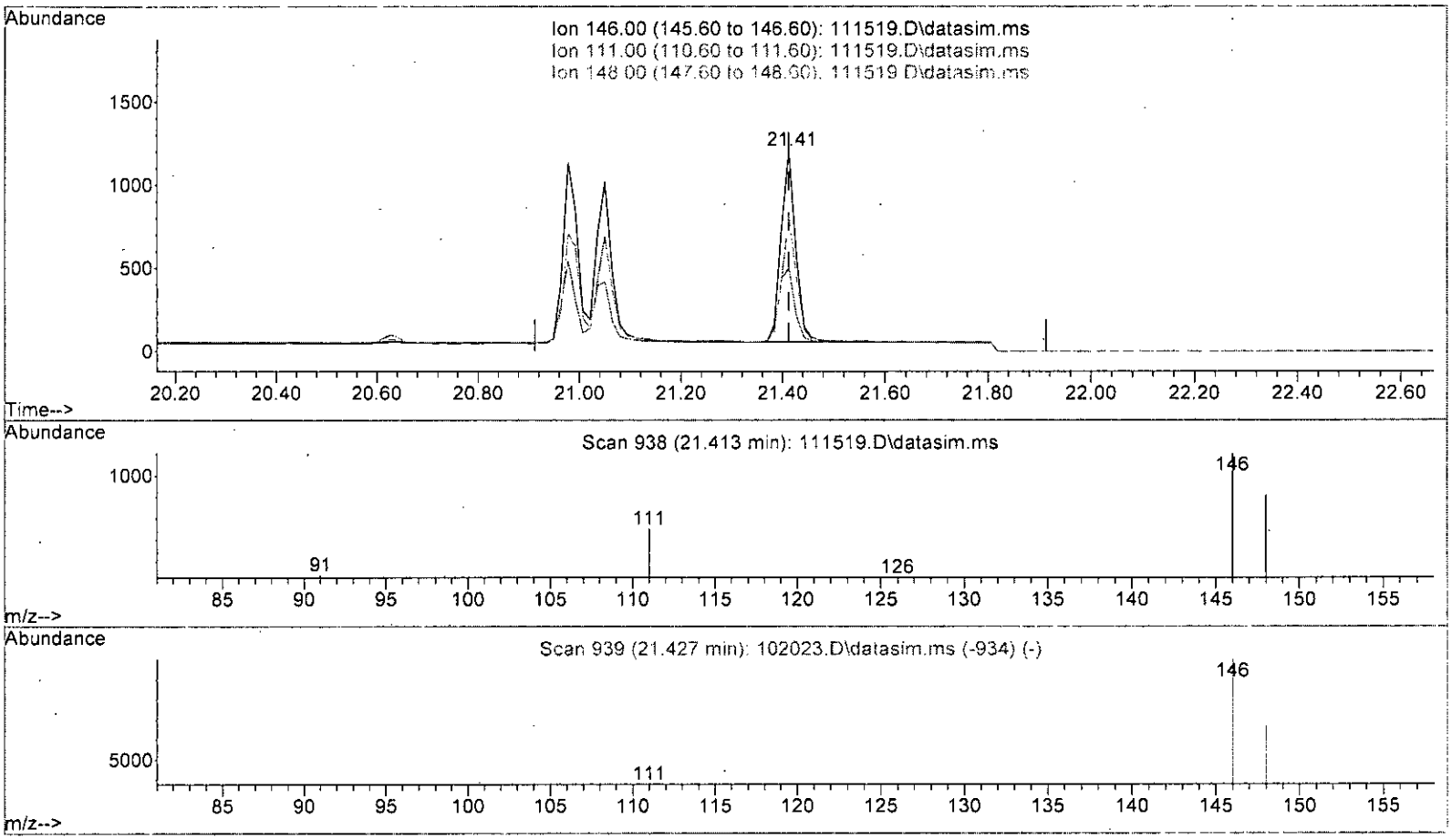
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	42.90	0.00
148.00	63.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

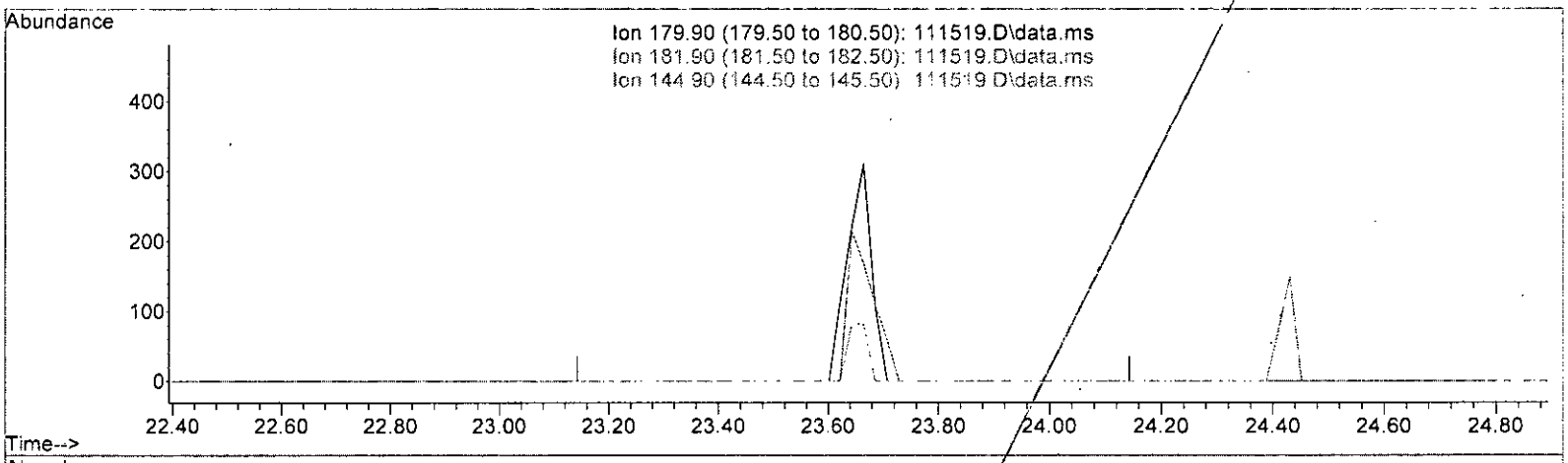
(75) 1,2-Dichlorobenzene (TMP)
21.413min (+ 0.000) 0.088 ppbv m
response 2266

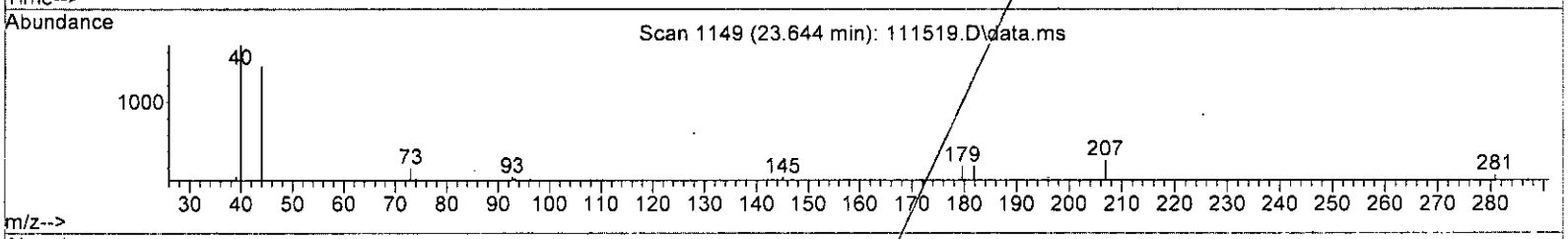
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	41.69
148.00	63.20	67.58
0.00	0.00	0.00

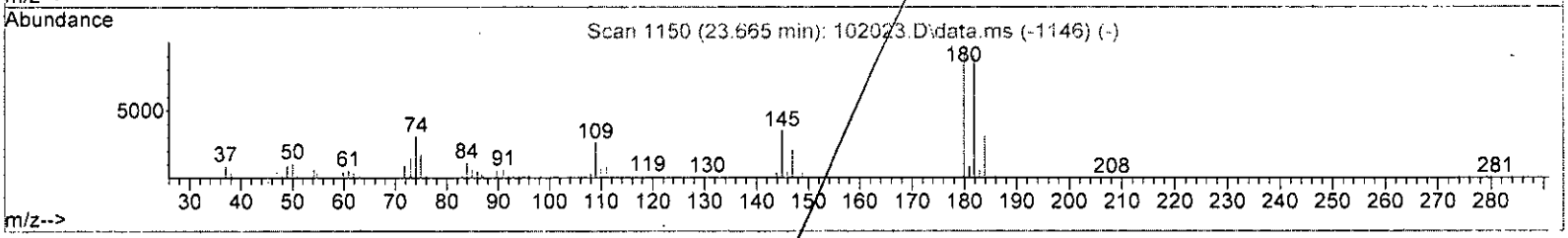
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 111519.D\data.ms

(76) 1,2,4-Trichlorobenzene (TMP)

23.643min 0.000 ppbv d

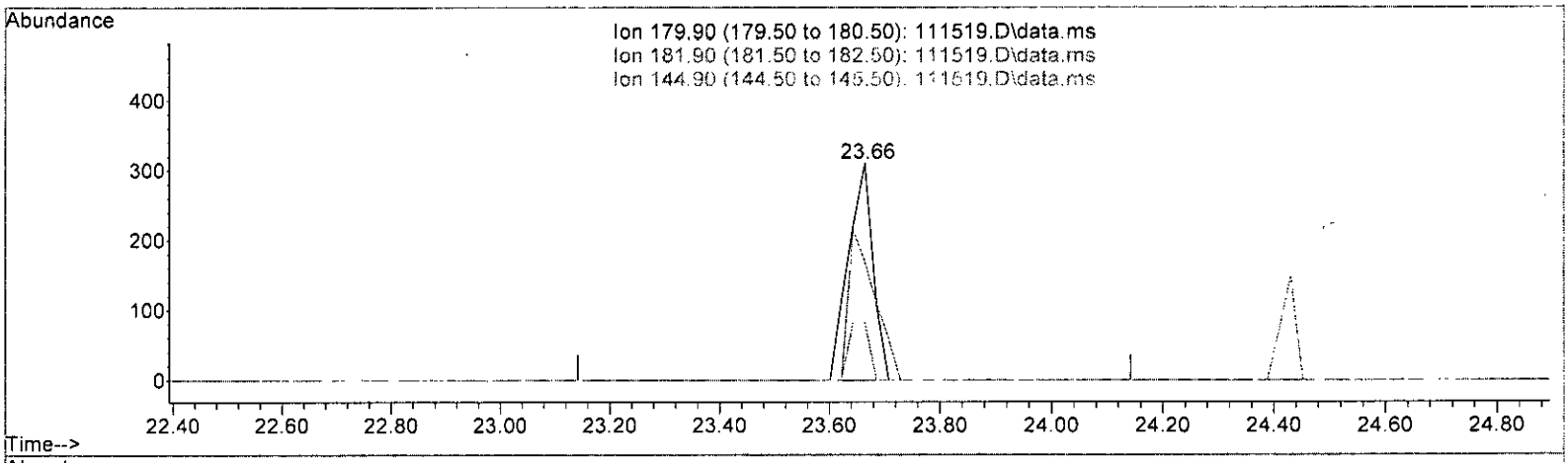
response 0

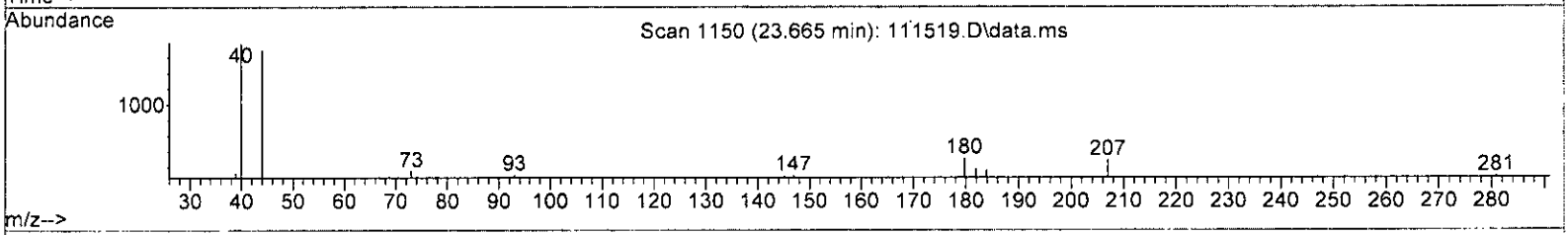
Ion	Exp%	Act%
179.90	100.00	0.00
181.90	94.50	0.00
144.90	30.80	0.00
0.00	0.00	0.00

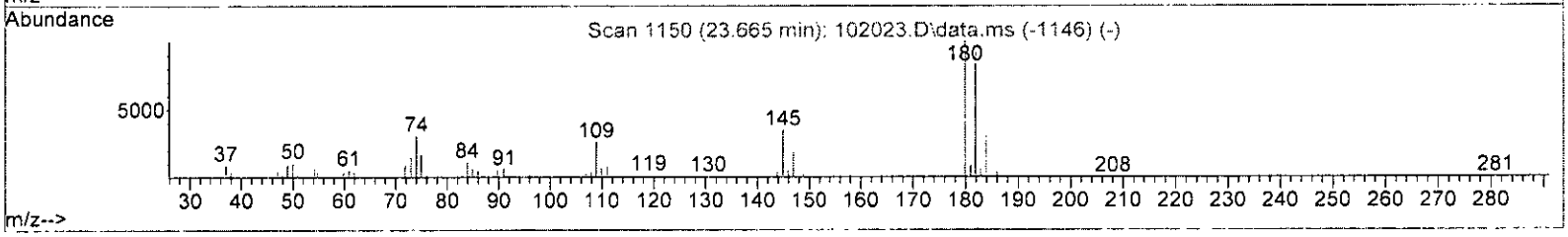
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 111519.D\data.ms

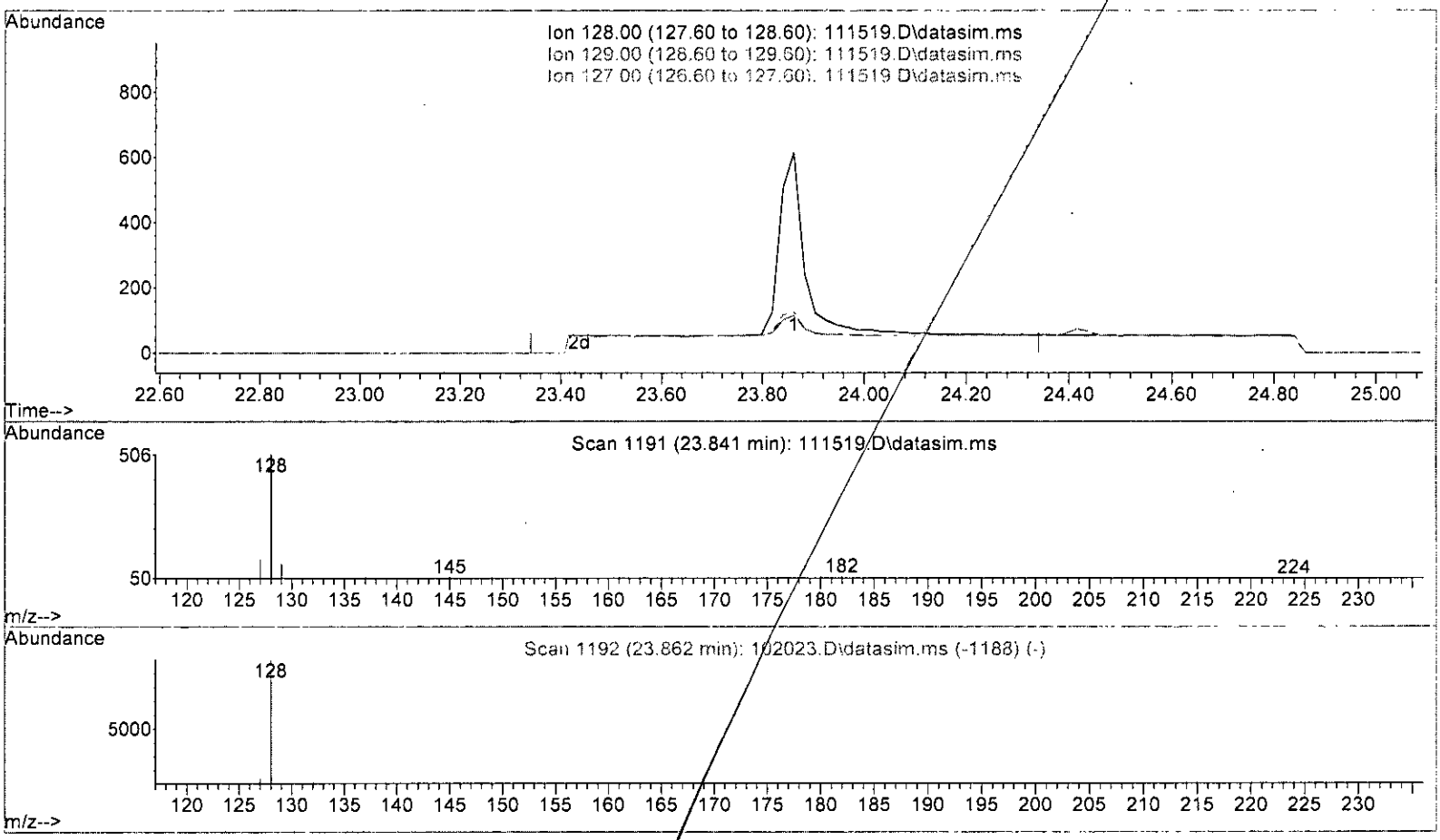
(76) 1,2,4-Trichlorobenzene (TMP)
23.665min (+ 0.022) 0.067 ppbv m
response 956

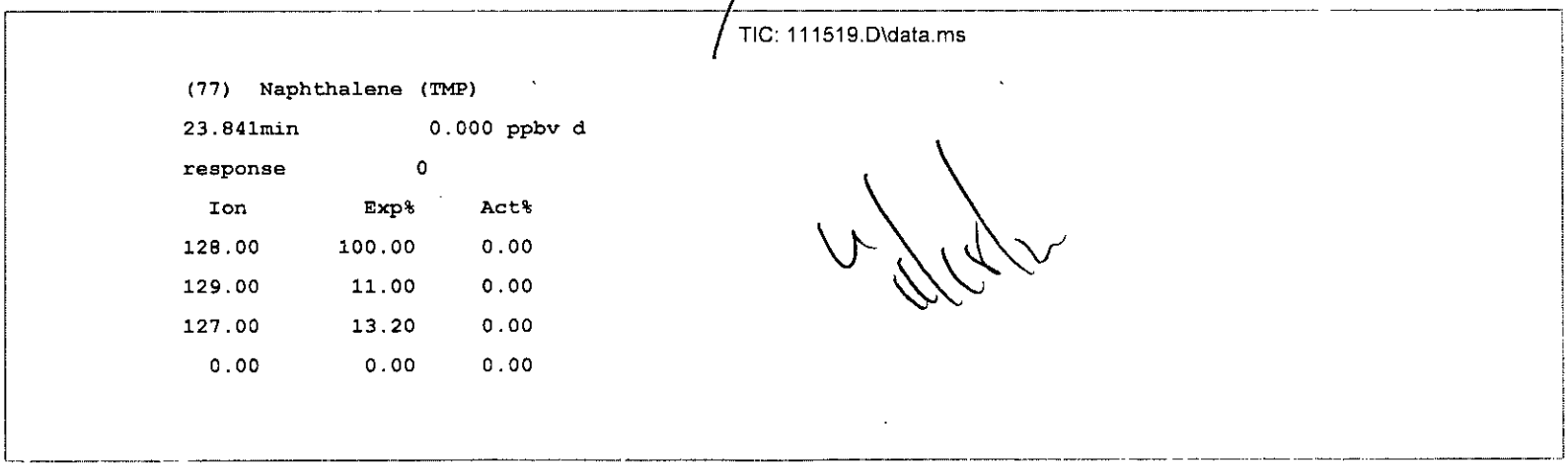
Ion	Exp%	Act%
179.90	100.00	100.00
181.90	94.50	54.52#
144.90	30.80	26.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(77) Naphthalene (TMP)

23.841min 0.000 ppbv d

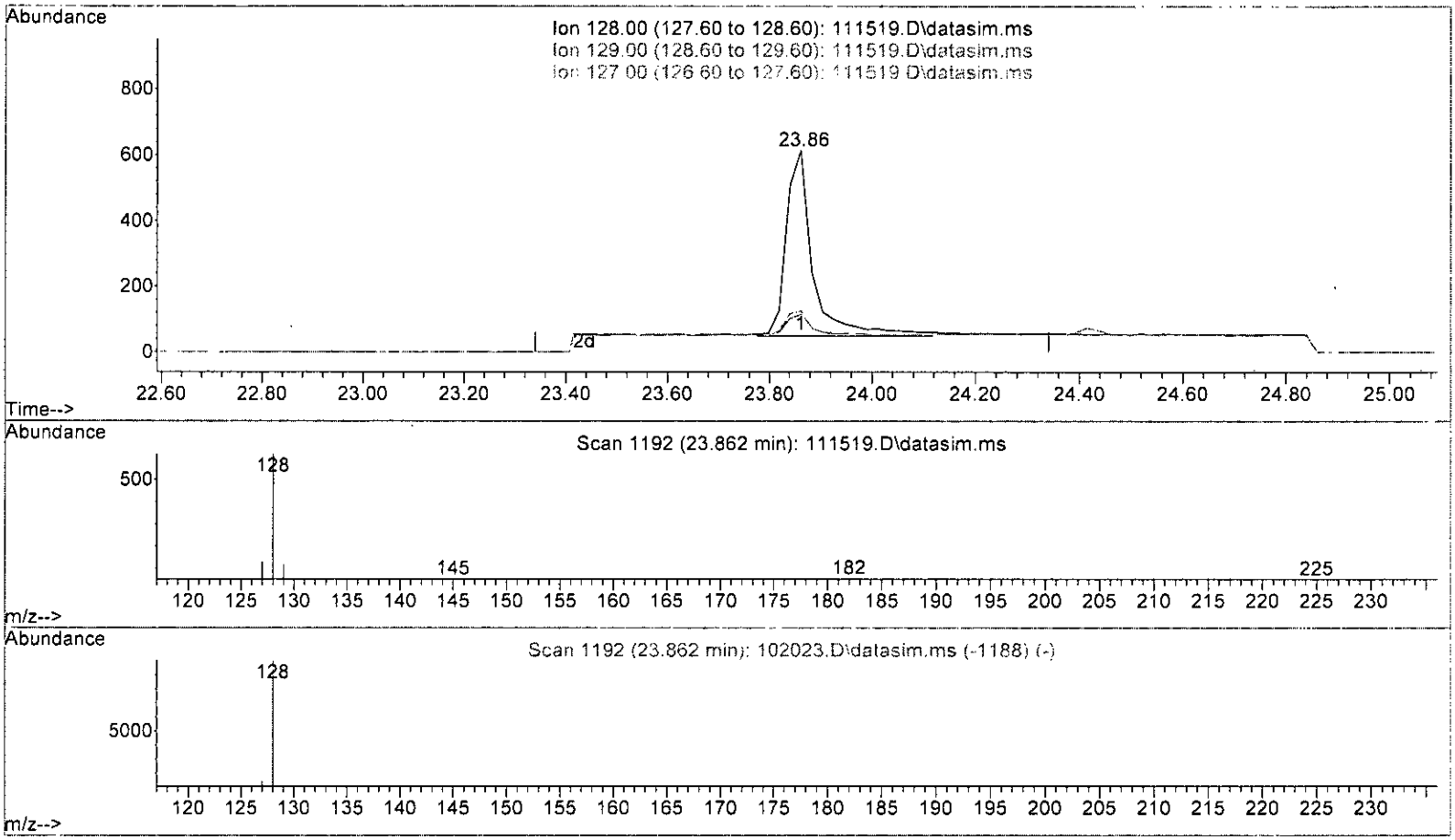
response 0

Ion	Exp%	Act%
128.00	100.00	0.00
129.00	11.00	0.00
127.00	13.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(77) Naphthalene (TMP)

23.862min (+ 0.021) 0.092 ppbv m

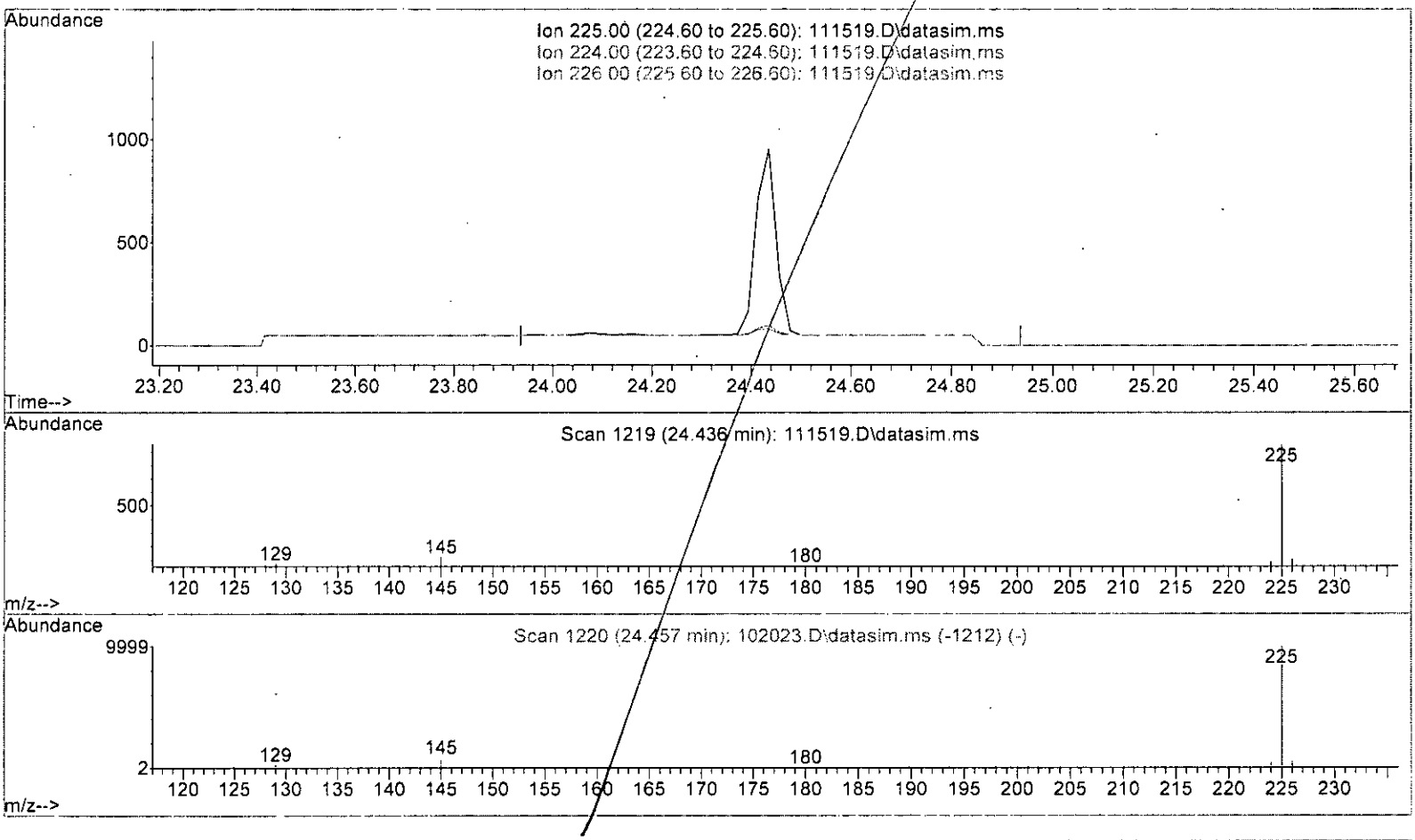
response 2039

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	18.76
127.00	13.20	20.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min 0.000 ppbv d

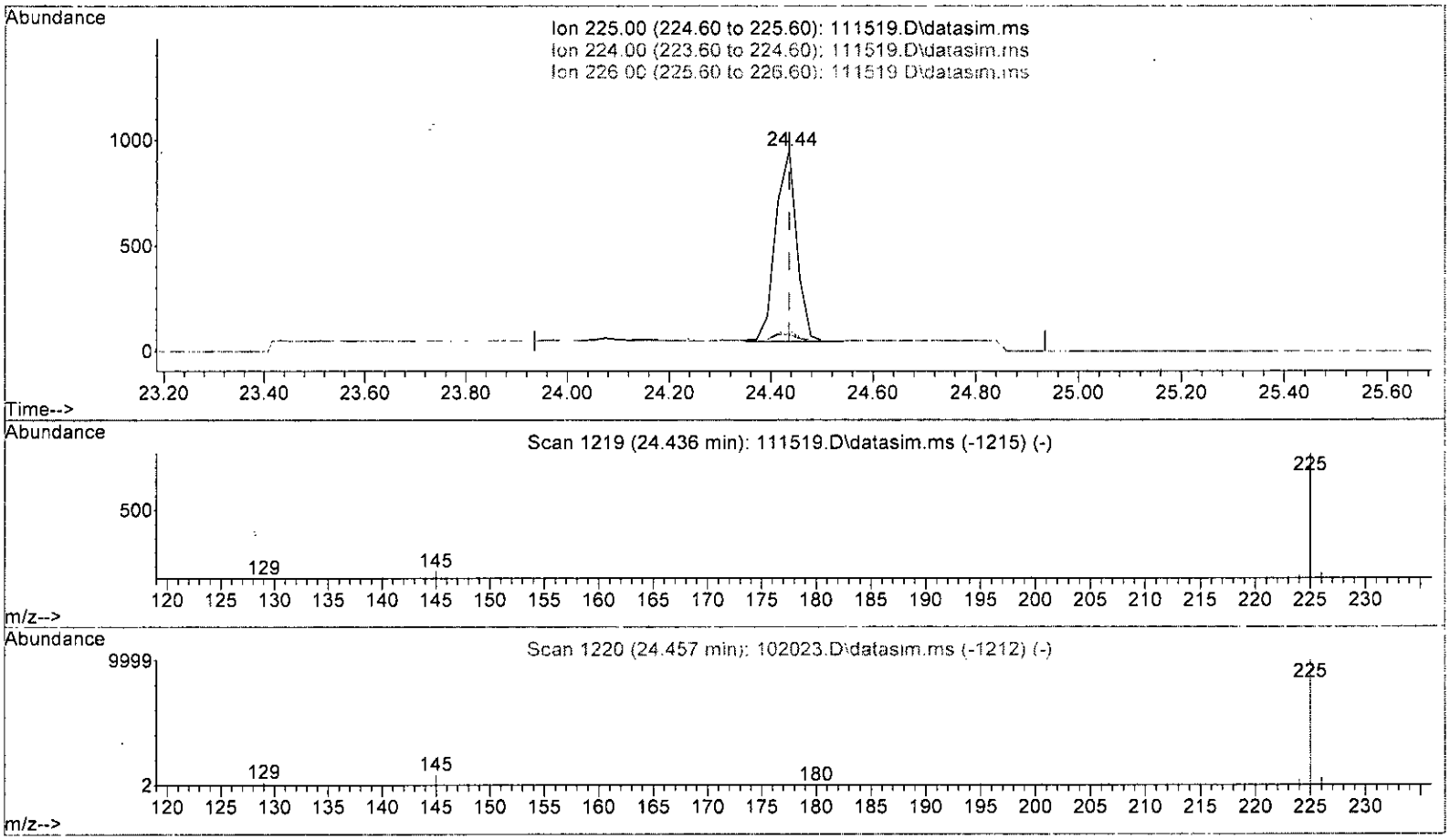
response 0

Ion	Exp%	Act%
225.00	100.00	0.00
224.00	3.70	0.00
226.00	5.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min (+ 0.000) 0.099 ppbv m

response 2616

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	8.60
226.00	5.20	10.28
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	62284	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	285873	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	251782	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	157205	9.009	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.10%		
Target Compounds						Qvalue
2) Propene	3.41	41	1650	0.099	ppbv	82
3) Dichlorodifluoromethane	3.49	85	2289	0.089	ppbv	94
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	3.84	85	2866	0.109	ppbv	77
6] Vinyl chloride	4.05	62	1161	0.101	ppbv	97
7] 1,3-Butadiene	4.17	54	728m	0.096	ppbv	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	4.60	94	1683	0.146	ppbv	91
10] Chloroethane	4.84	64	470m	0.115	ppbv	
11] Vinyl bromide	5.28	106	999m	0.100	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.36	56	691m	0.152	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	1029	0.100	ppbv	86
19] trans-1,2-Dichloroethene	8.07	96	987	0.099	ppbv	86
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.15	101	1975	0.091	ppbv #	64
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	2108	0.101	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	1059	0.101	ppbv	94
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	2435	0.096	ppbv	99
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	10.75	42	1212	0.108	ppbv	67
33) 2-Butanone (MEK)	8.91	72	345	0.090	ppbv #	69
34] 1,2-Dichloroethane (EDC)	11.33	62	1571	0.094	ppbv	98
35] 1,1,1-Trichloroethane	11.81	97	1935m	0.093	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	6181	0.131	ppbv	94
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	1540m	0.099	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

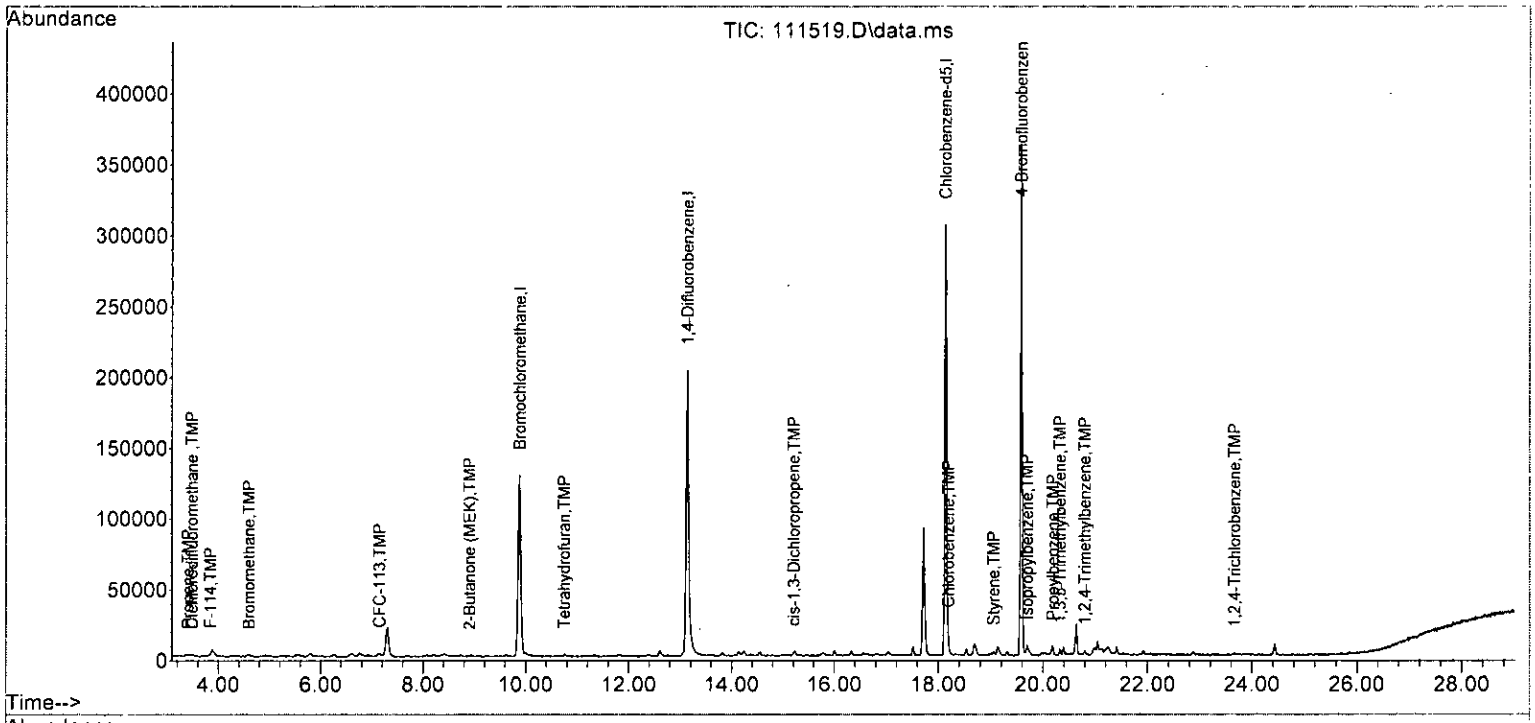
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.12	88	712	0.108	ppbv		80
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d		
43) Methyl methacrylate	0.00		0	N.D.	d		
44) Heptane	0.00		0	N.D.	d		
45) Bromodichloromethane	0.00		0	N.D.	d		
46] Trichloroethene	14.14	95	1810	0.107	ppbv		94
47) cis-1,3-Dichloropropene	15.20	75	1584	0.093	ppbv		92
48) 4-Methyl-2-pentanone	0.00		0	N.D.			
49] trans-1,3-Dichloropropene	15.78	75	1484	0.092	ppbv		84
50] Toluene	16.31	92	2091m	0.103	ppbv		
51] 1,1,2-Trichloroethane	16.00	83	1487	0.094	ppbv		94
52) 2-Hexanone	0.00		0	N.D.	d		
53] Tetrachloroethene	17.52	164	1574	0.112	ppbv		92
54) Dibromochloromethane	0.00		0	N.D.	d		
55] 1,2-Dibromoethane (EDB)	17.04	107	2202m	0.093	ppbv		
57) Chlorobenzene	18.19	112	3473	0.125	ppbv		89
58] Ethylbenzene	18.53	91	4477	0.092	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.11	83	3228	0.091	ppbv		89
60) Nonane	0.00		0	N.D.	d		
61) Isopropylbenzene	19.70	105	4501	0.100	ppbv	#	90
62) 2-Chlorotoluene	0.00		0	N.D.	d		
63) Propylbenzene	20.19	91	6637	0.080	ppbv		96
64) 4-Ethyltoluene	0.00		0	N.D.	d		
65] m,p-Xylene	18.70	106	2860	0.179	ppbv		97
66] o-Xylene	19.15	106	1396	0.090	ppbv		99
67) Styrene	19.05	104	1737	0.084	ppbv		74
68) Bromoform	0.00		0	N.D.			
70] Benzyl chloride	20.95	91	1628m	0.058	ppbv		
71) 1,3,5-Trimethylbenzene	20.32	105	3200m	0.088	ppbv		
72) 1,2,4-Trimethylbenzene	20.80	105	2264m	0.132	ppbv		
73] 1,3-Dichlorobenzene	20.98	146	2242m	0.088	ppbv		
74] 1,4-Dichlorobenzene	21.05	146	1951m	0.082	ppbv		
75] 1,2-Dichlorobenzene	21.41	146	2266m	0.088	ppbv		
76) 1,2,4-Trichlorobenzene	23.66	180	956m	0.067	ppbv		
77] Naphthalene	23.86	128	2039m	0.092	ppbv		
78] Hexachlorobutadiene	24.44	225	2616m	0.099	ppbv		

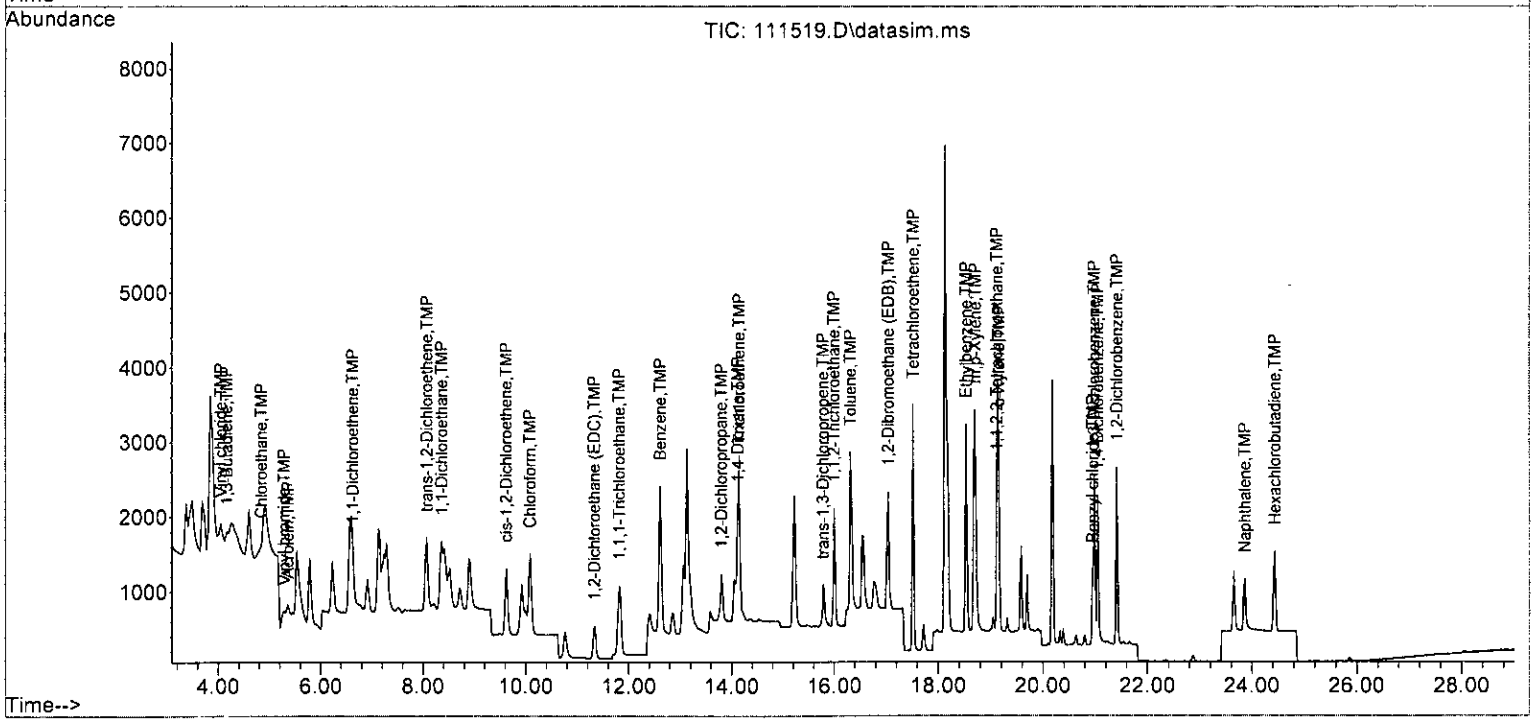
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.100	0.099	1.0	100	0.00
3	TMP	Dichlorodifluoromethane	0.100	0.089	11.0	100	0.00
4	TMP	Chloromethane	0.100	0.000	100.0#	0	-3.73#
5	TMP	F-114	0.100	0.109	-9.0	100	-0.04
6	TMP	Vinyl chloride	0.100	0.101	-1.0	100	-0.04
7	TMP	1,3-Butadiene	0.100	0.096	4.0	97	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	0.100	0.146	-46.0#	100	0.00
10	TMP	Chloroethane	0.100	0.115	-15.0	104	0.00
11	TMP	Vinyl bromide	0.100	0.100	0.0	96	-0.04
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.100	0.152	-52.0#	99	-0.06
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	0.100	0.000	100.0#	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.100	0.100	0.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.100	0.099	1.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	0.100	0.091	9.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.100	0.101	-1.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.100	0.101	-1.0	100	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.100	0.096	4.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	0.100	0.108	-8.0	100	0.00
33	TMP	2-Butanone (MEK)	0.100	0.090	10.0	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	0.100	0.094	6.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.100	0.093	7.0	100	-0.01
36	TMP	Carbon tetrachloride	0.100	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.100	0.131	-31.0#	100	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.100	0.099	1.0	97	0.00
41	TMP	1,4-Dioxane	0.100	0.108	-8.0	100	0.02
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.100	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.100	0.107	-7.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.100	0.093	7.0	100	0.00
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.100	0.092	8.0	100	0.00
50	TMP	Toluene	0.100	0.103	-3.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	0.100	0.112	-12.0	100	0.00
54	TMP	Dibromochloromethane	0.100	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.100	0.093	7.0	96	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.100	0.125	-25.0	100	0.00
58	TMP	Ethylbenzene	0.100	0.092	8.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.100	0.091	9.0	100	-0.02
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.100	0.100	0.0	100	0.00
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	0.100	0.080	20.0	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.200	0.179	10.5	100	0.00
66	TMP	o-Xylene	0.100	0.090	10.0	100	0.00
67	TMP	Styrene	0.100	0.084	16.0	100	0.00
68	TMP	Bromoform	0.100	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.009	9.9	100	0.00
70	TMP	Benzyl chloride	0.100	0.058	42.0#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.100	0.088	12.0	97	-0.07
72	TMP	1,2,4-Trimethylbenzene	0.100	0.132	-32.0#	100	0.00
73	TMP	1,3-Dichlorobenzene	0.100	0.088	12.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.100	0.082	18.0	97	0.00
75	TMP	1,2-Dichlorobenzene	0.100	0.088	12.0	98	0.00
76	TMP	1,2,4-Trichlorobenzene	0.100	0.067	33.0#	100	0.02
77	TMP	Naphthalene	0.100	0.092	8.0	104	0.02
78	TMP	Hexachlorobutadiene	0.100	0.099	1.0	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	2.649	-70.2#	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.675	10.9	100	0.00
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	4.602	-9.1	100	-0.04
6	TMP	Vinyl chloride	1.851	1.864	-0.7	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.169	3.9	97	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	2.702	-46.3#	100	0.00
10	TMP	Chloroethane	0.655	0.755	-15.3	104	0.00
11	TMP	Vinyl bromide	1.609	1.604	0.3	96	-0.04
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	1.109	-52.1#	99	-0.06
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.652	-0.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.585	0.8	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	3.171	8.6	100	0.00
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.384	-1.3	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.700	-0.6	100	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	3.910	3.7	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	1.946	-7.6	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.554	10.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.522	6.1	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.107	7.1	100	-0.01
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	9.924	-74.5#	100	0.00
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.539	0.4	97	0.00
41	TMP	1,4-Dioxane	0.230	0.249	-8.3	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

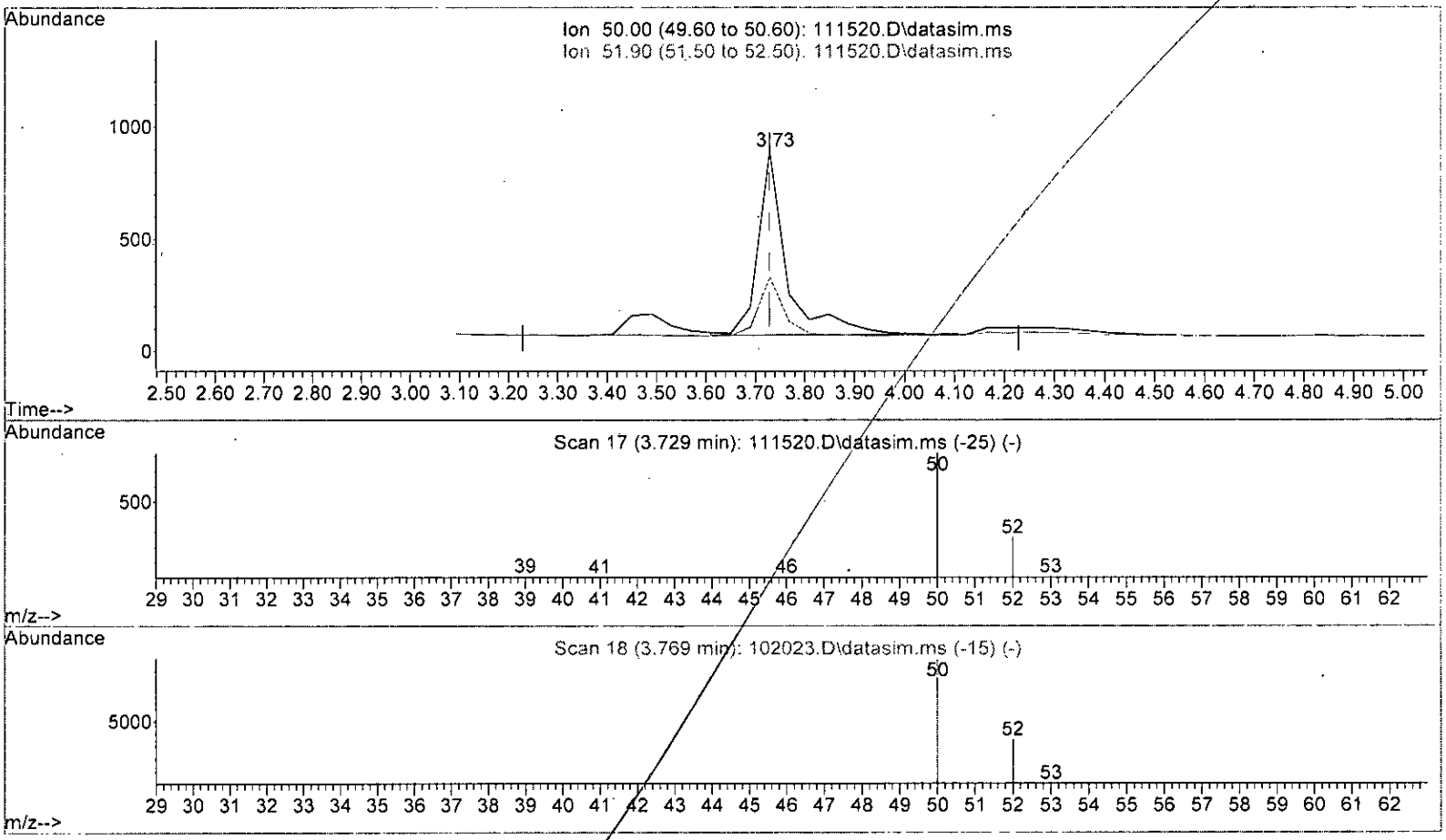
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.633	-6.7	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.554	7.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.519	7.8	100	0.00
50	TMP	Toluene	0.707	0.731	-3.4	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.520	5.5	100	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.551	-12.4	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.770	6.6	96	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.379	-25.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.778	9.7	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.282	8.0	100	-0.02
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	1.788	0.2	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	2.636	19.9	100	0.00
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.568	10.3	100	0.00
66	TMP	o-Xylene	0.615	0.554	9.9	100	0.00
67	TMP	Styrene	0.819	0.690	15.8	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.624	10.0	100	0.00
70	TMP	Benzyl chloride	0.987	0.647	34.4#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.271	12.3	97	-0.07
72	TMP	1,2,4-Trimethylbenzene	1.247	0.899	27.9	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.890	12.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.775	18.2	97	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.900	12.1	98	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.380	39.3#	100	0.02
77	TMP	Naphthalene	1.132	0.810	28.4	104	0.02
78	TMP	Hexachlorobutadiene	1.045	1.039	0.6	102	0.00

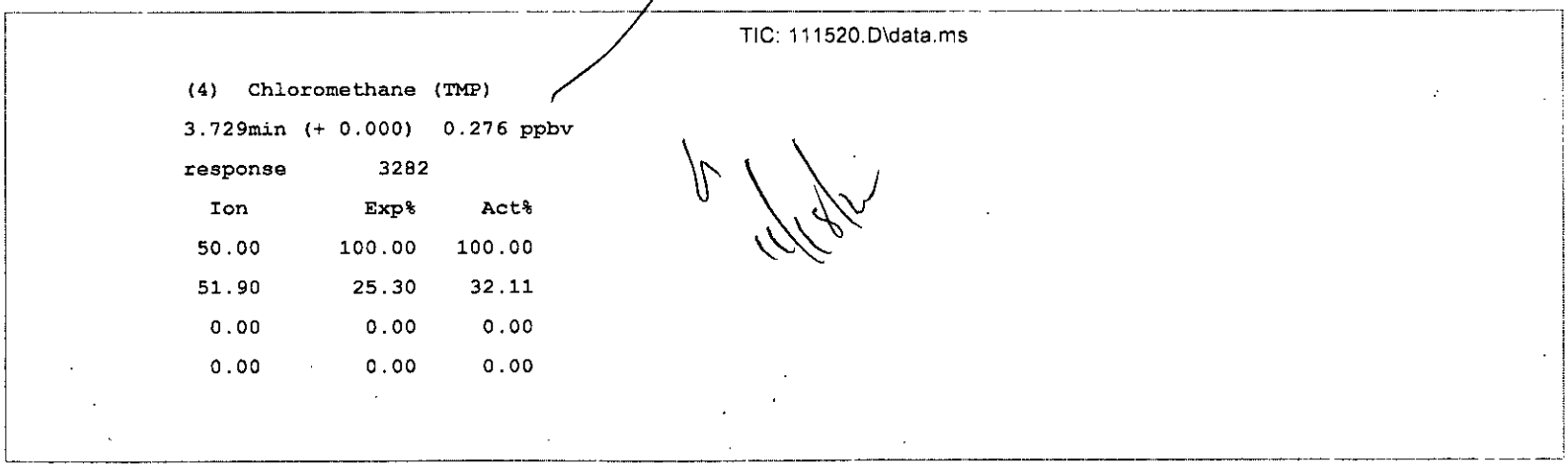
(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.276 ppbv

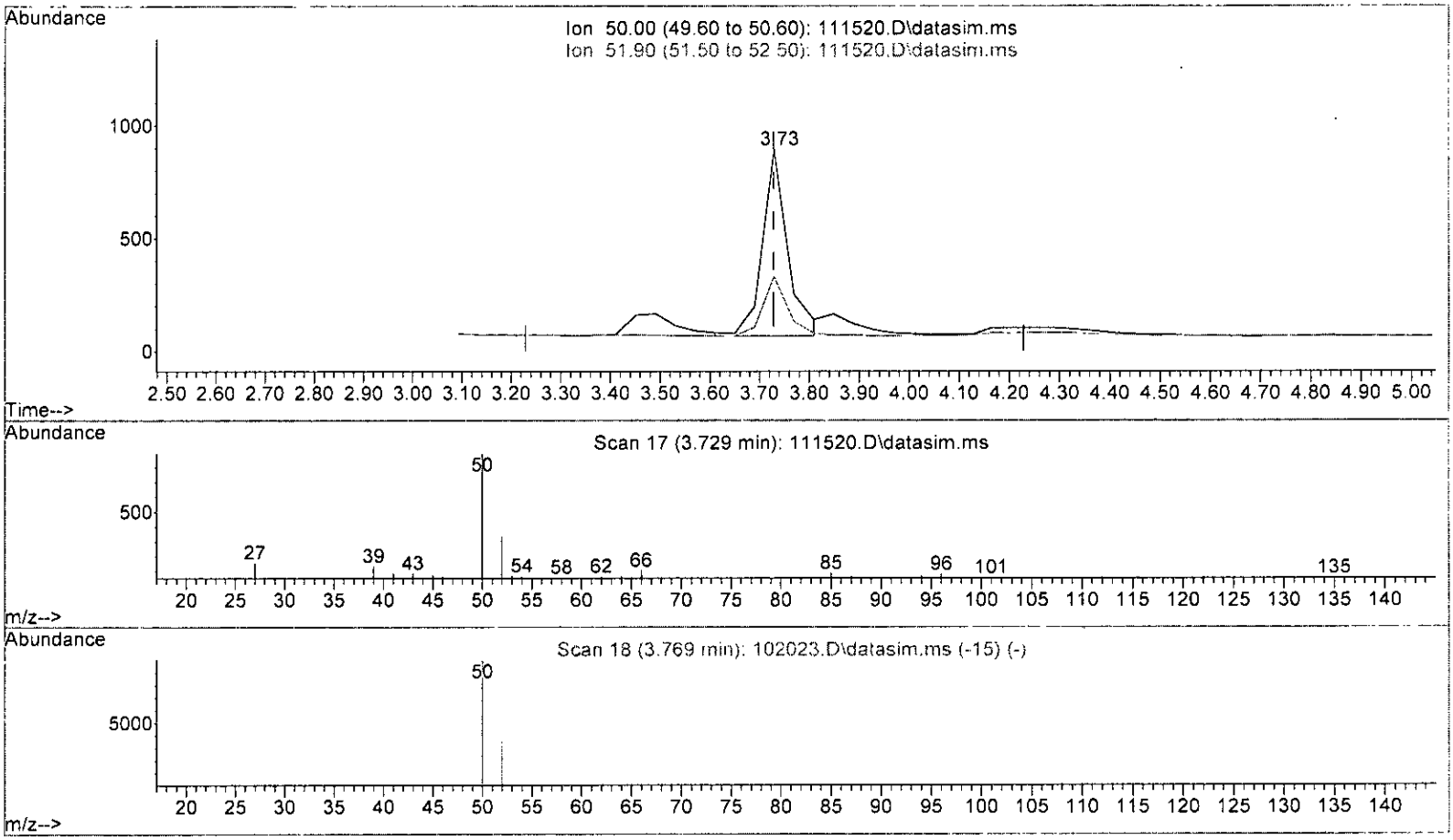
response 3282

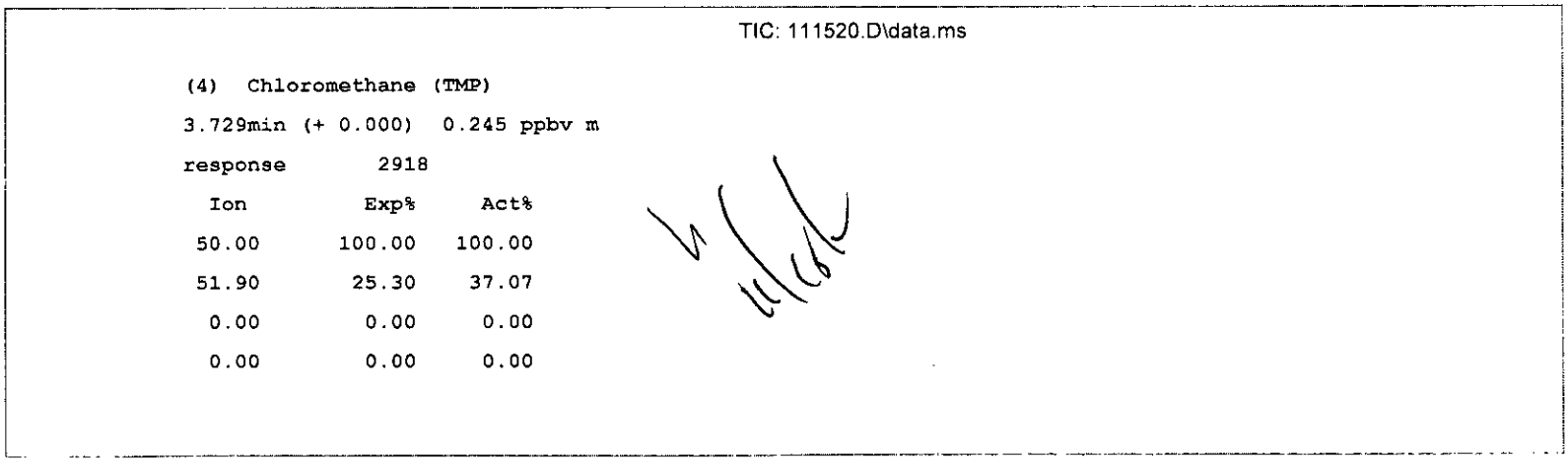
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.245 ppbv m

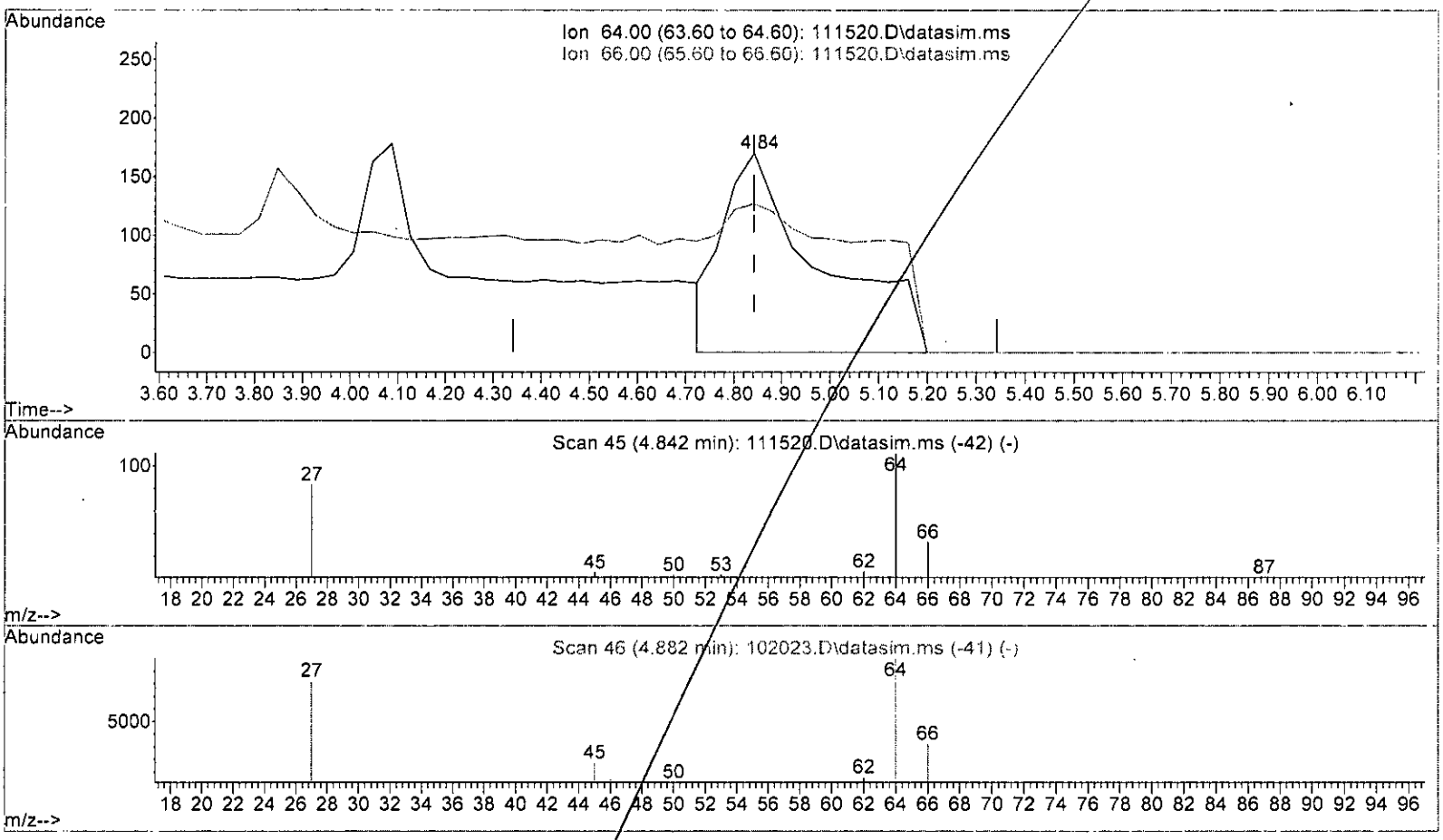
response 2918

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	37.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.557 ppbv

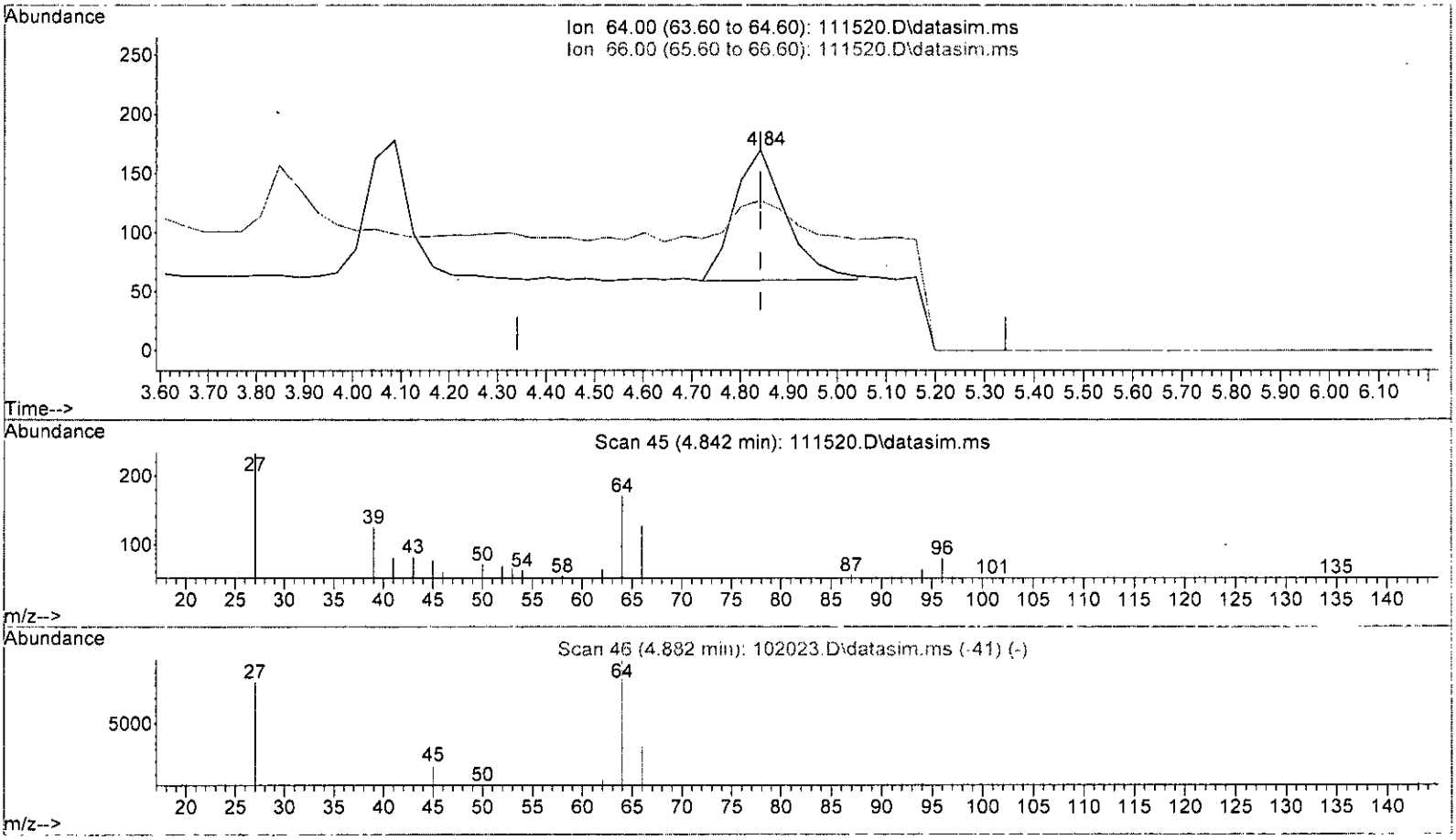
response 2305

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	74.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.199 ppbv m

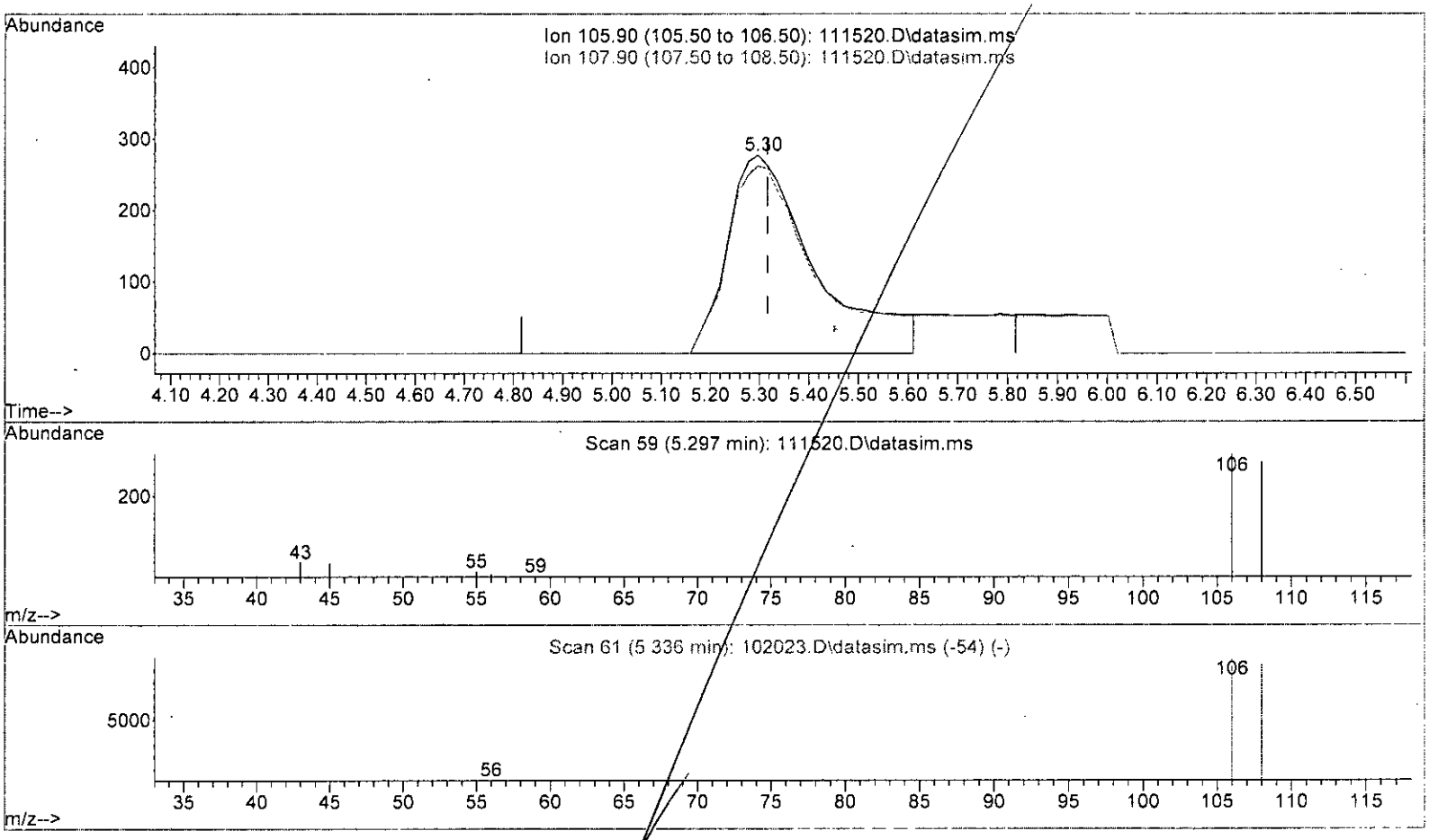
response 825

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	74.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

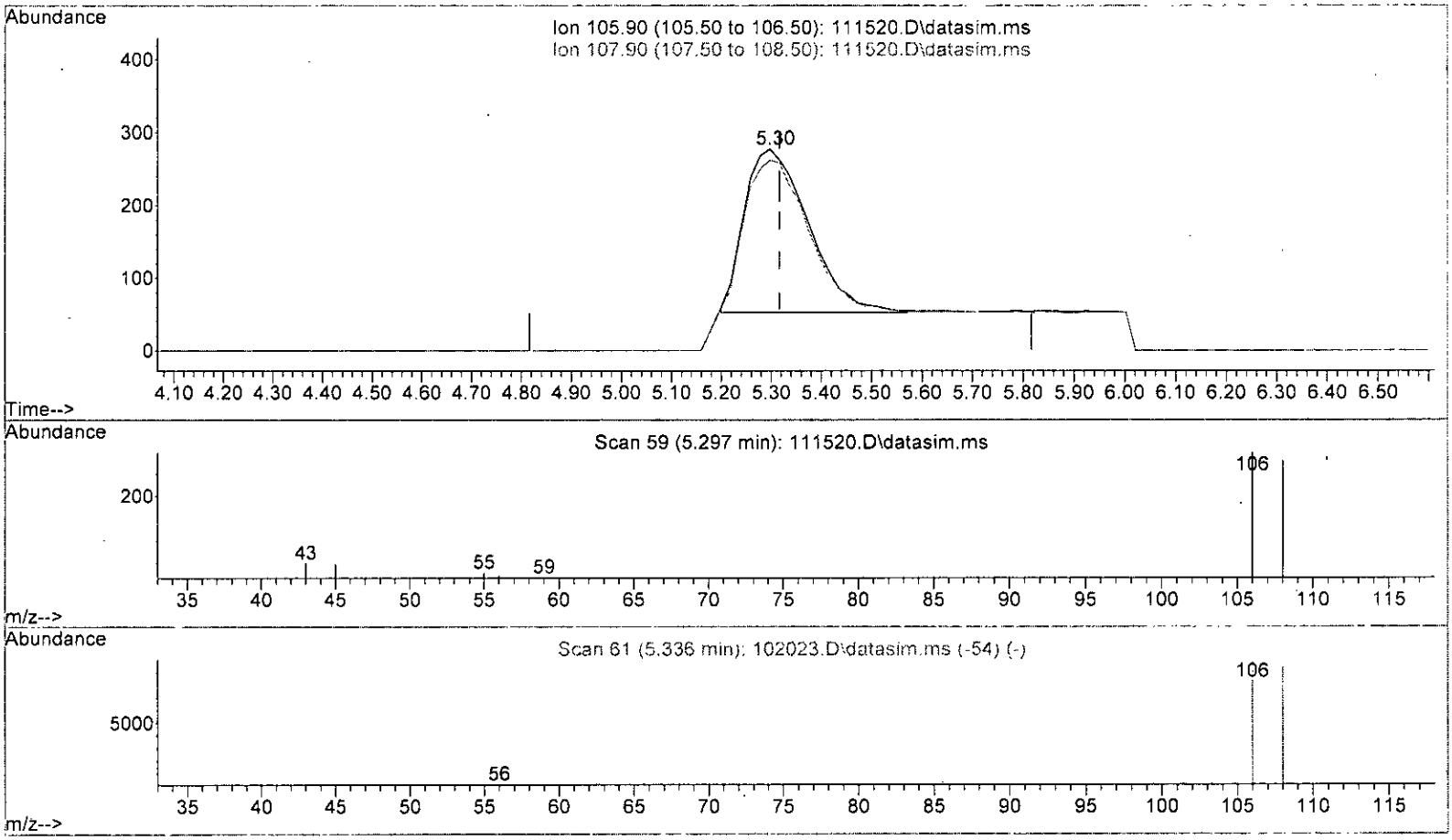
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.359 ppbv
response 3654

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	100.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

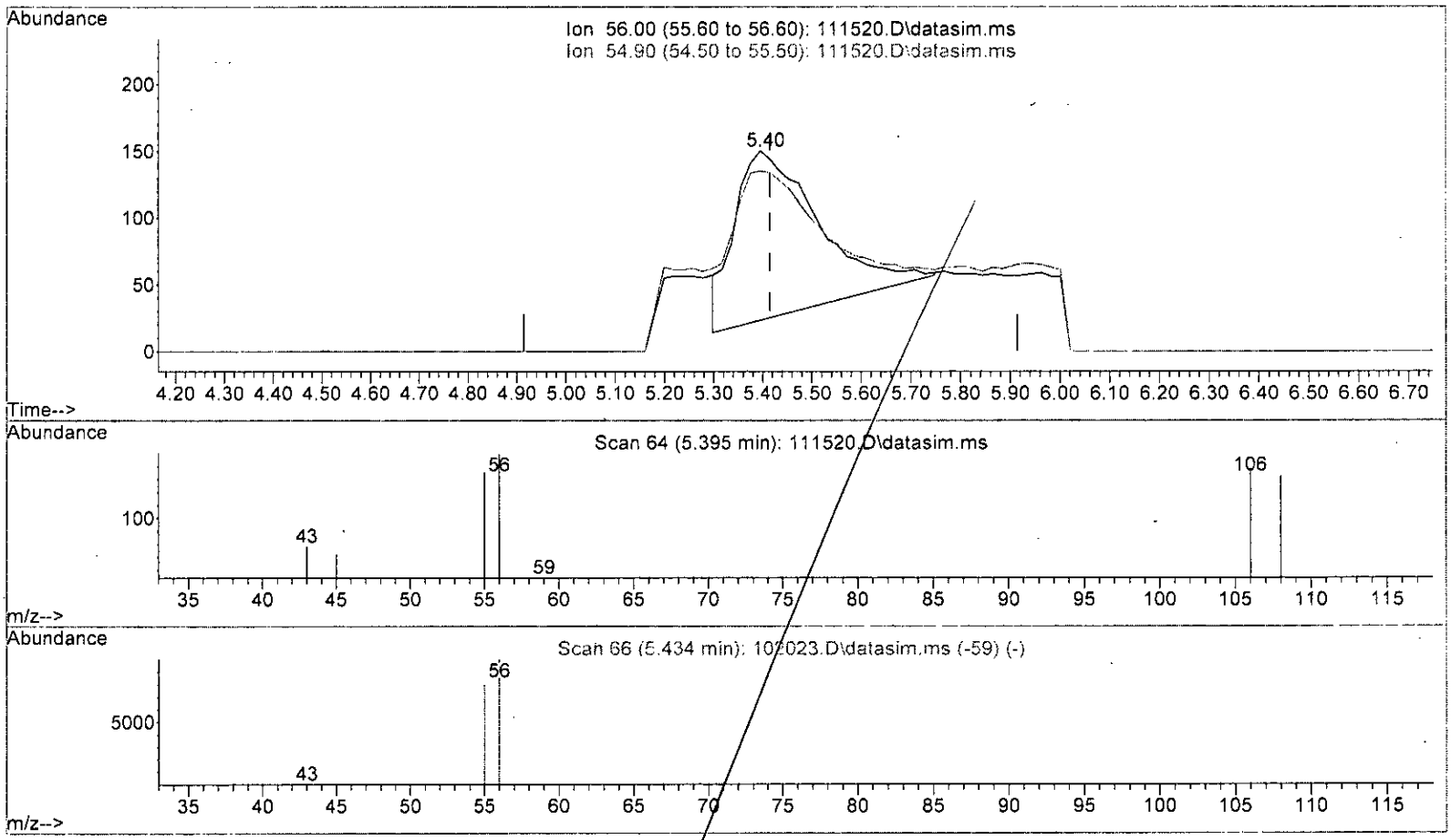
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.196 ppbv m
response 1998

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	183.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.324 ppbv

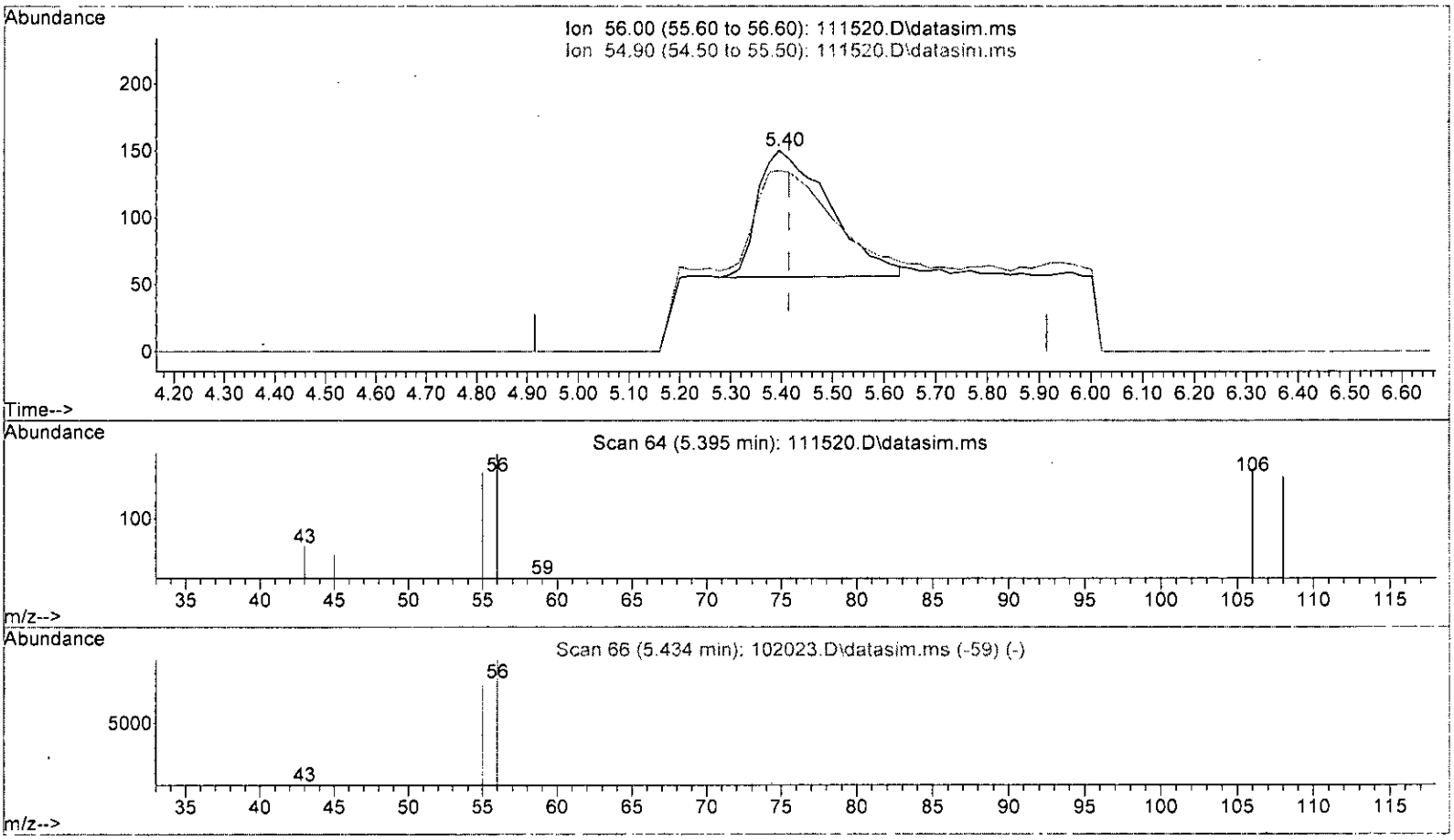
response 1496

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	93.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.201 ppbv m

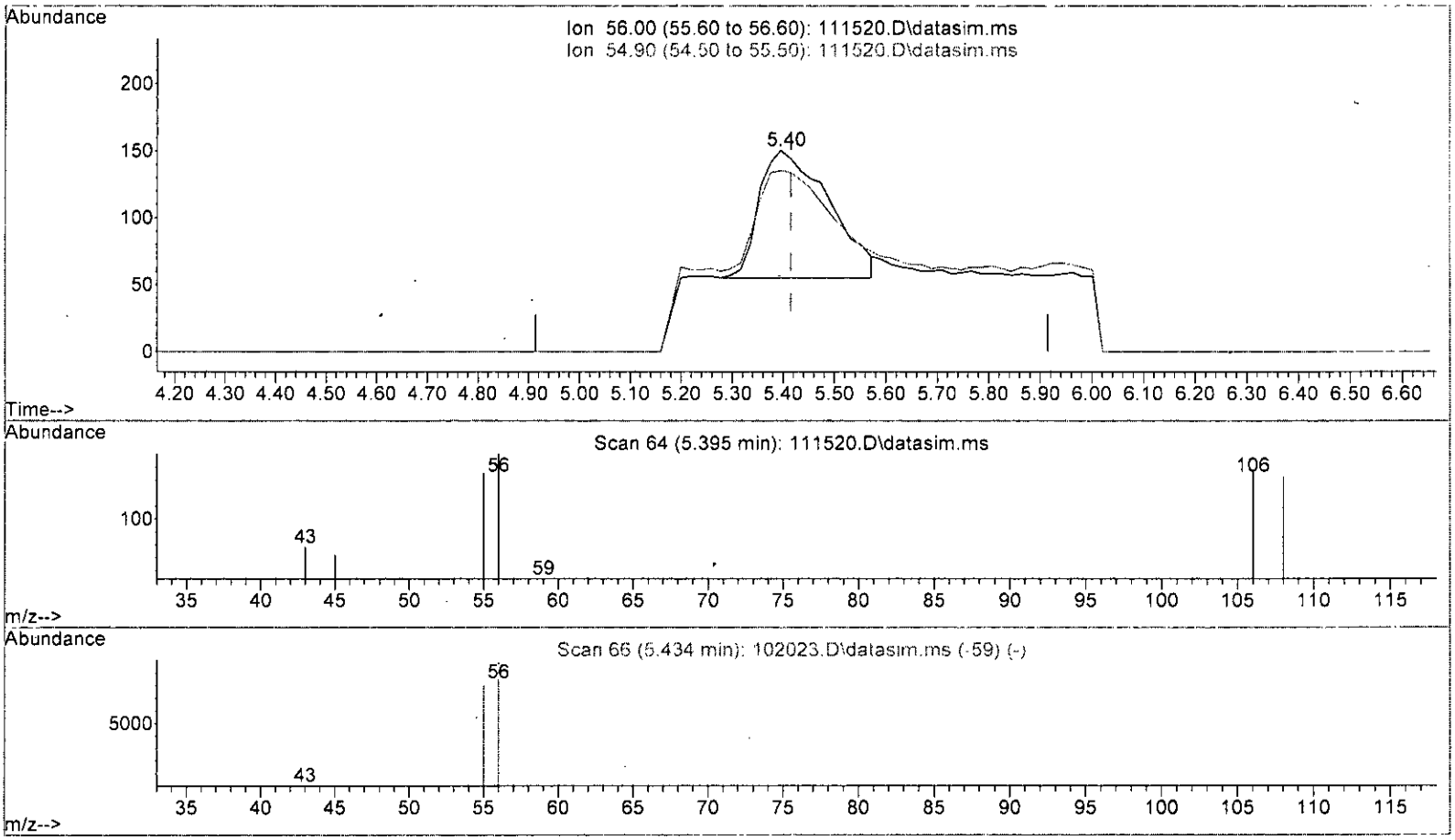
response 926

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	151.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.195 ppbv m

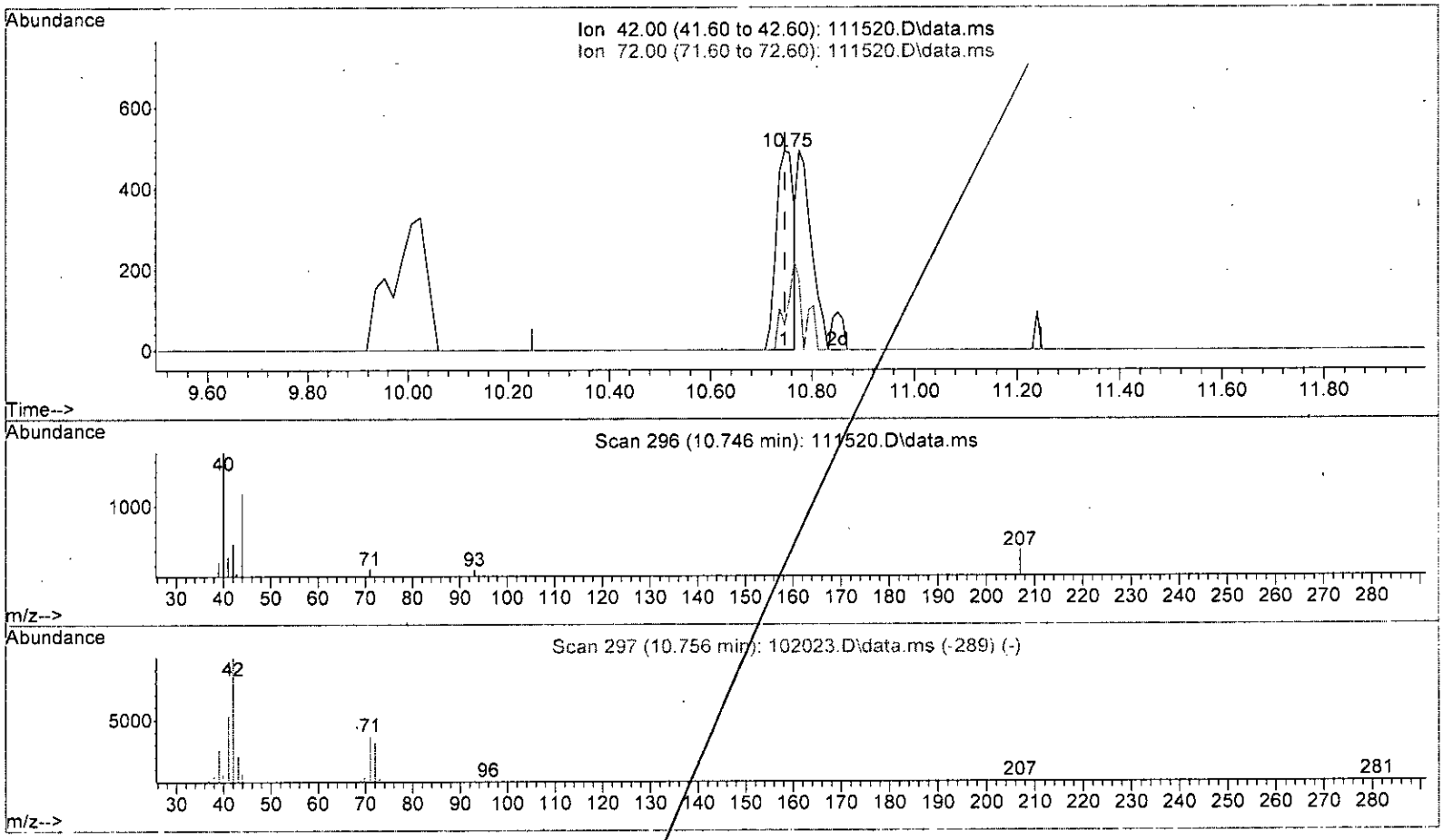
response 899

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	155.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

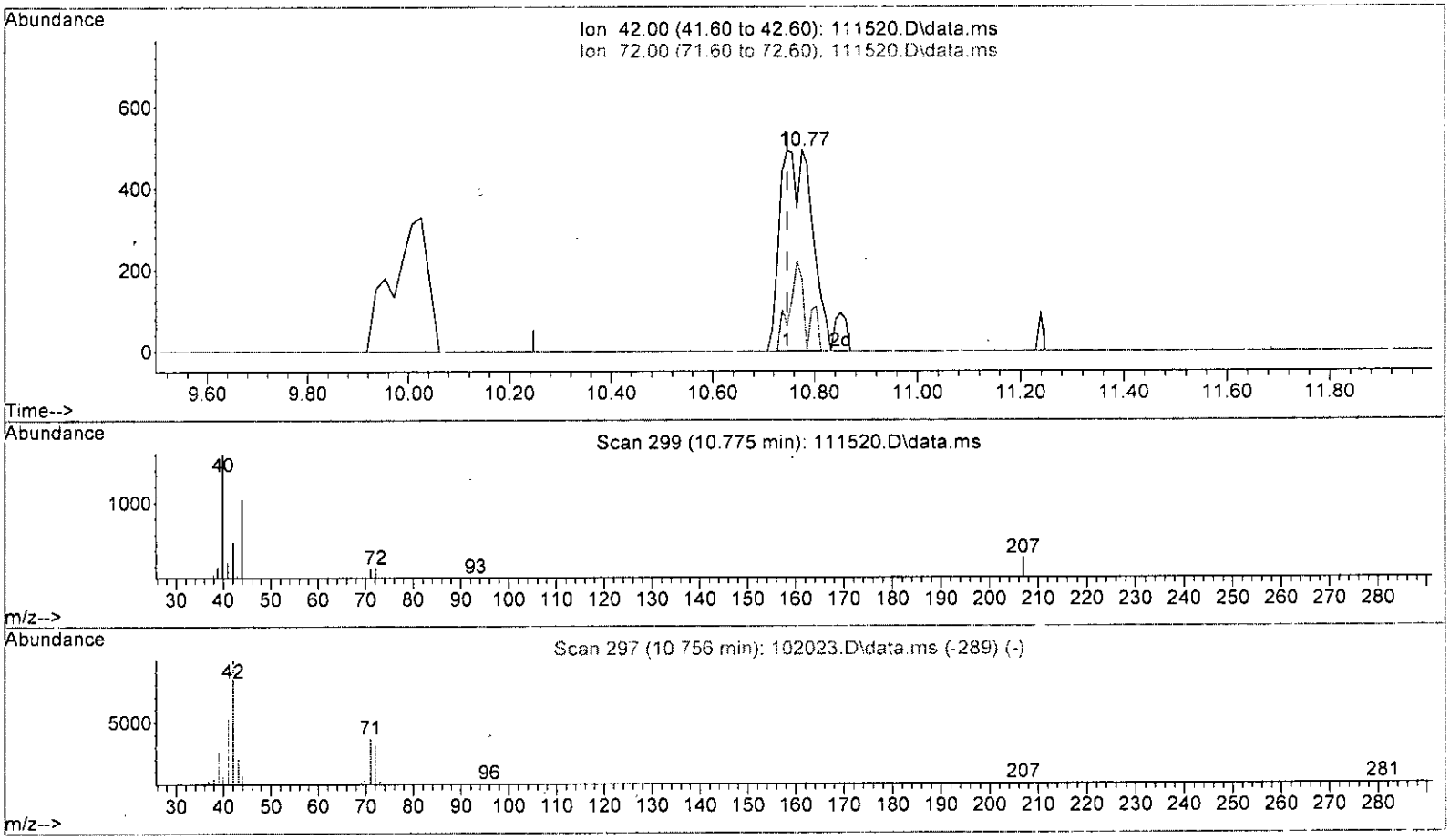
(32) Tetrahydrofuran (TMP)
10.746min (-0.001) 0.102 ppbv
response 1164

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	33.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(32) Tetrahydrofuran (TMP)

10.775min (+ 0.028) 0.198 ppbv m

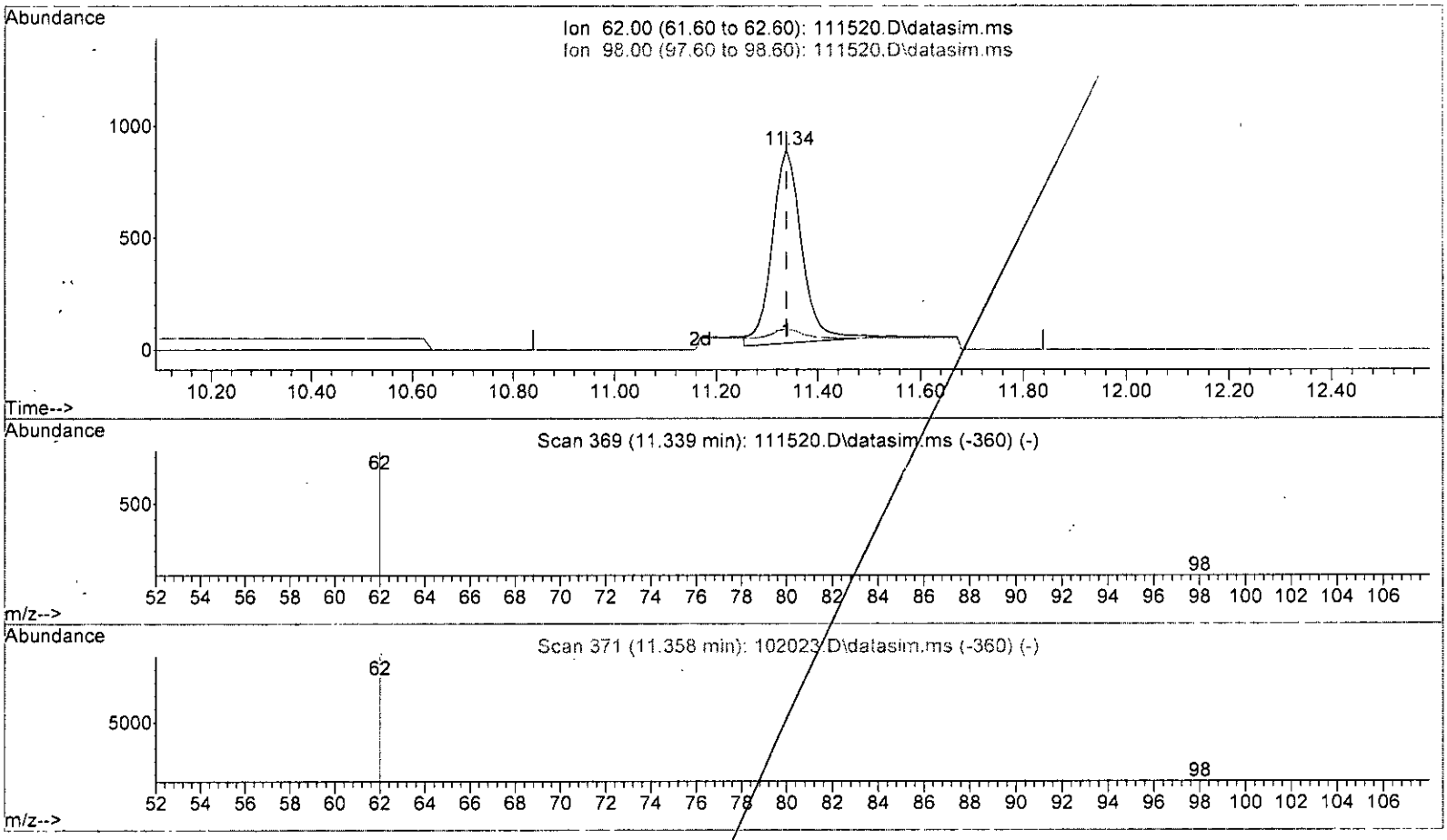
response 2272

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	17.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.211 ppbv

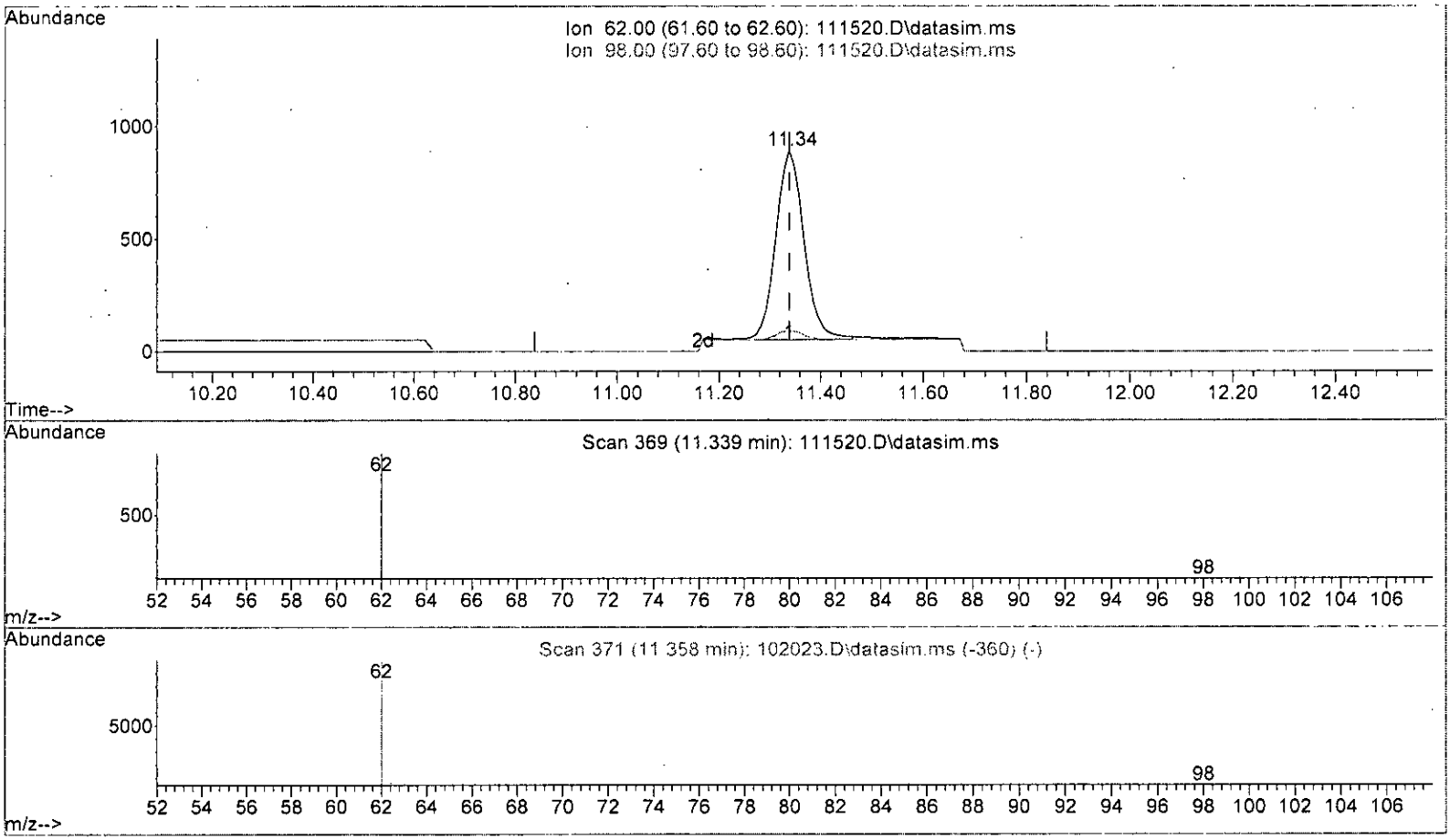
response 3514

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.193 ppbv m

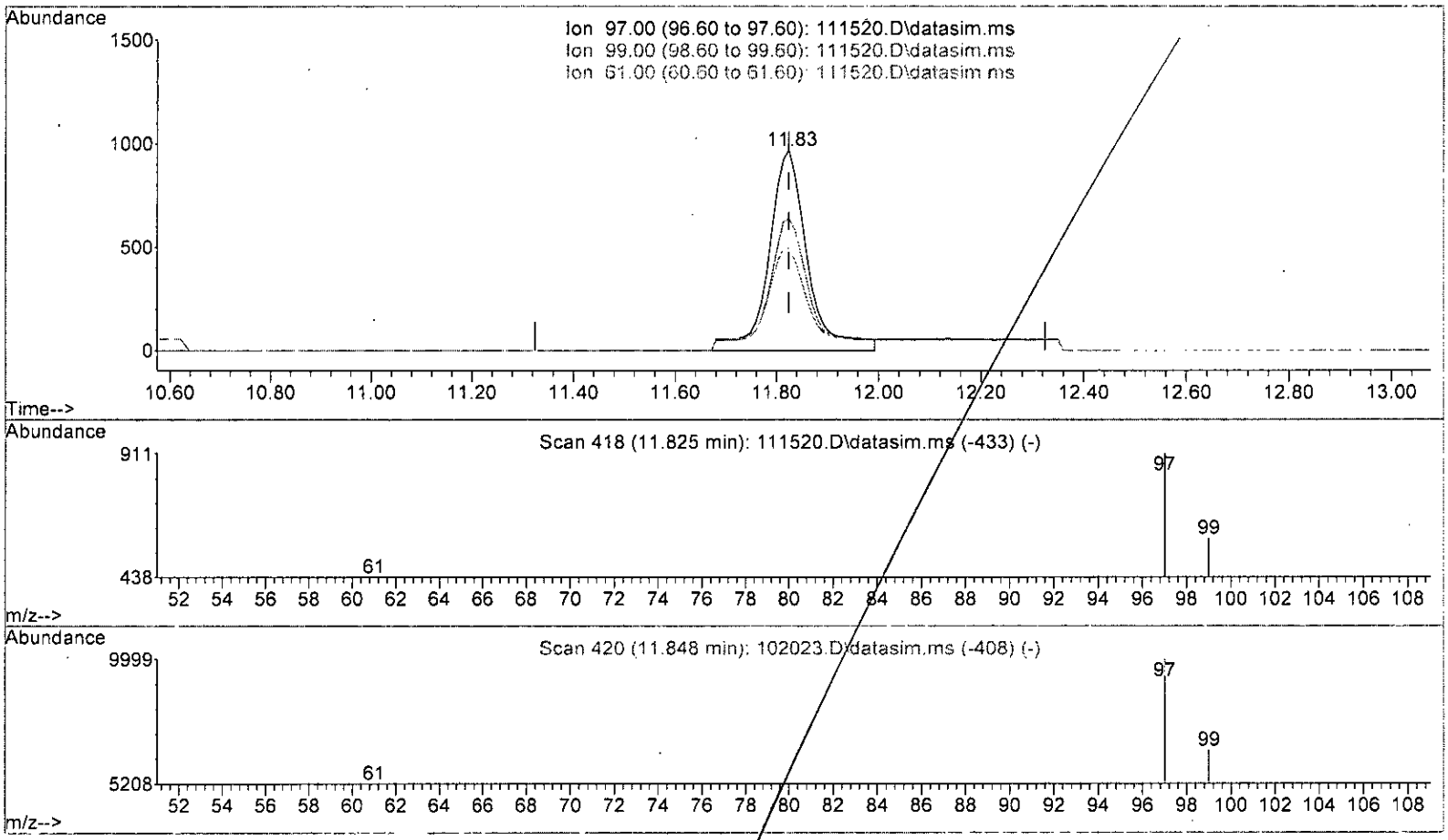
response 3226

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	10.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.240 ppbv

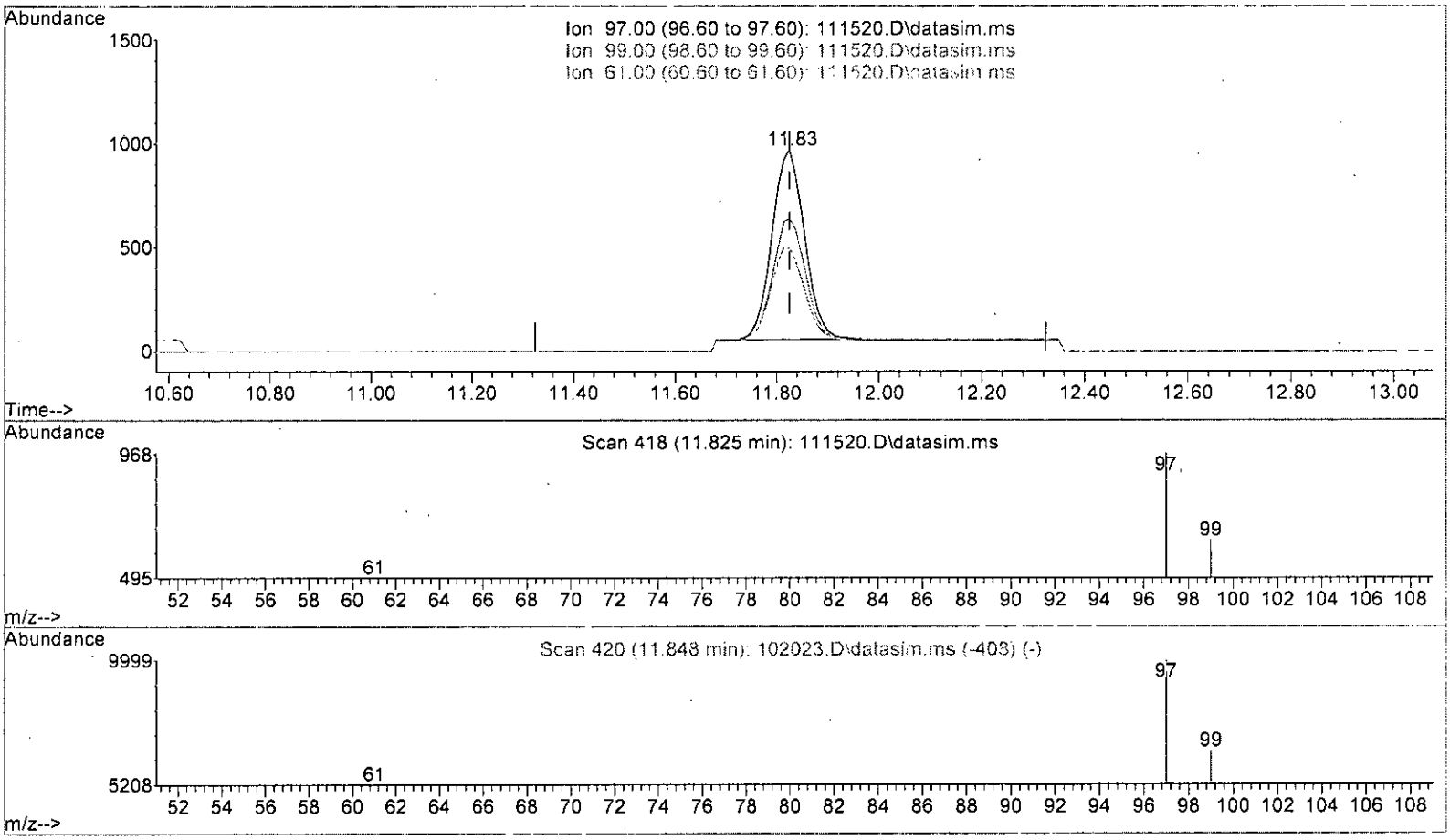
response 5068

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.74
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

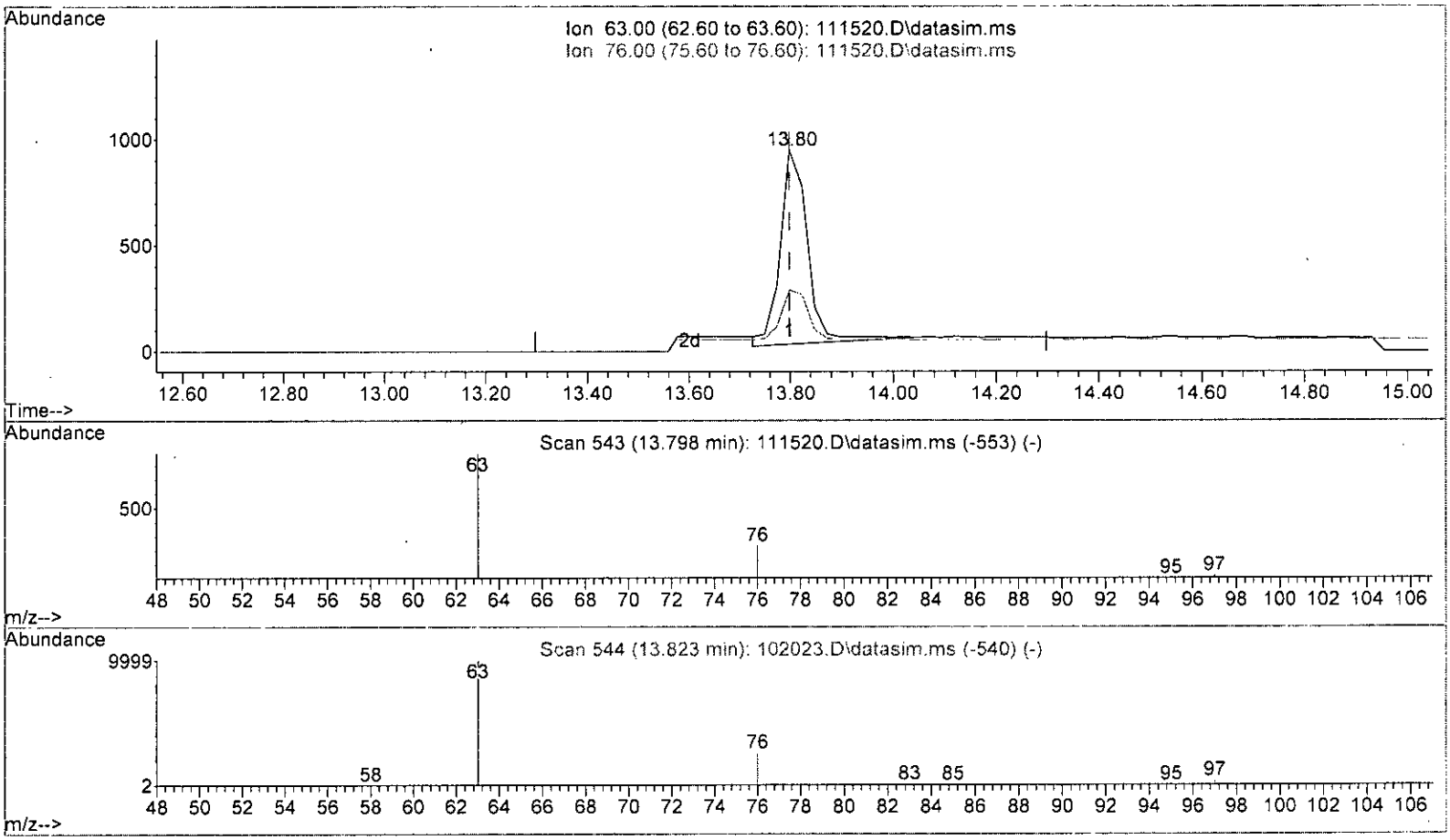
(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 0.189 ppbv m
response 4009

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.74
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.222 ppbv

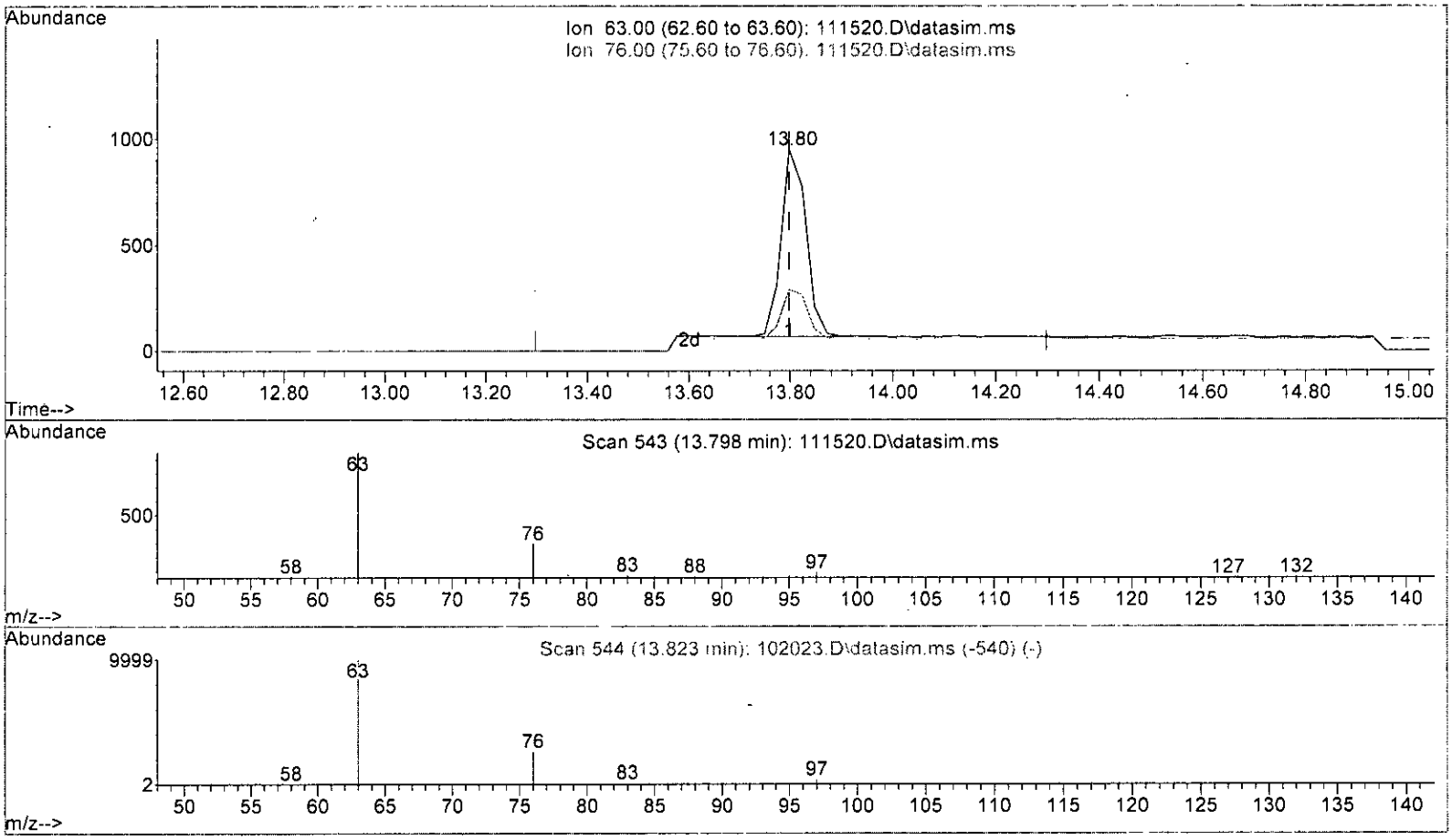
response 3383

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.194 ppbv m

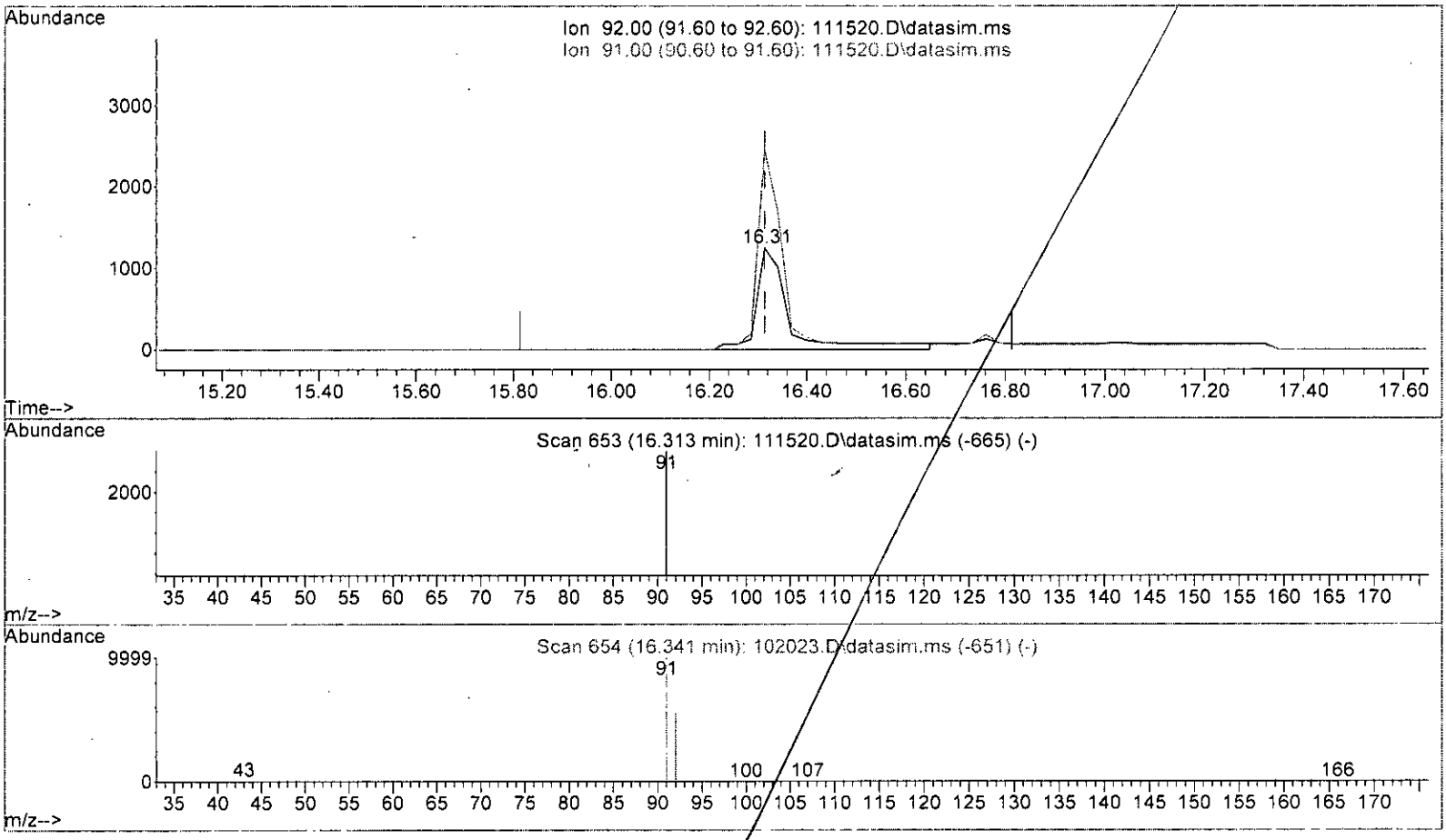
response 2962

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	30.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.287 ppbv

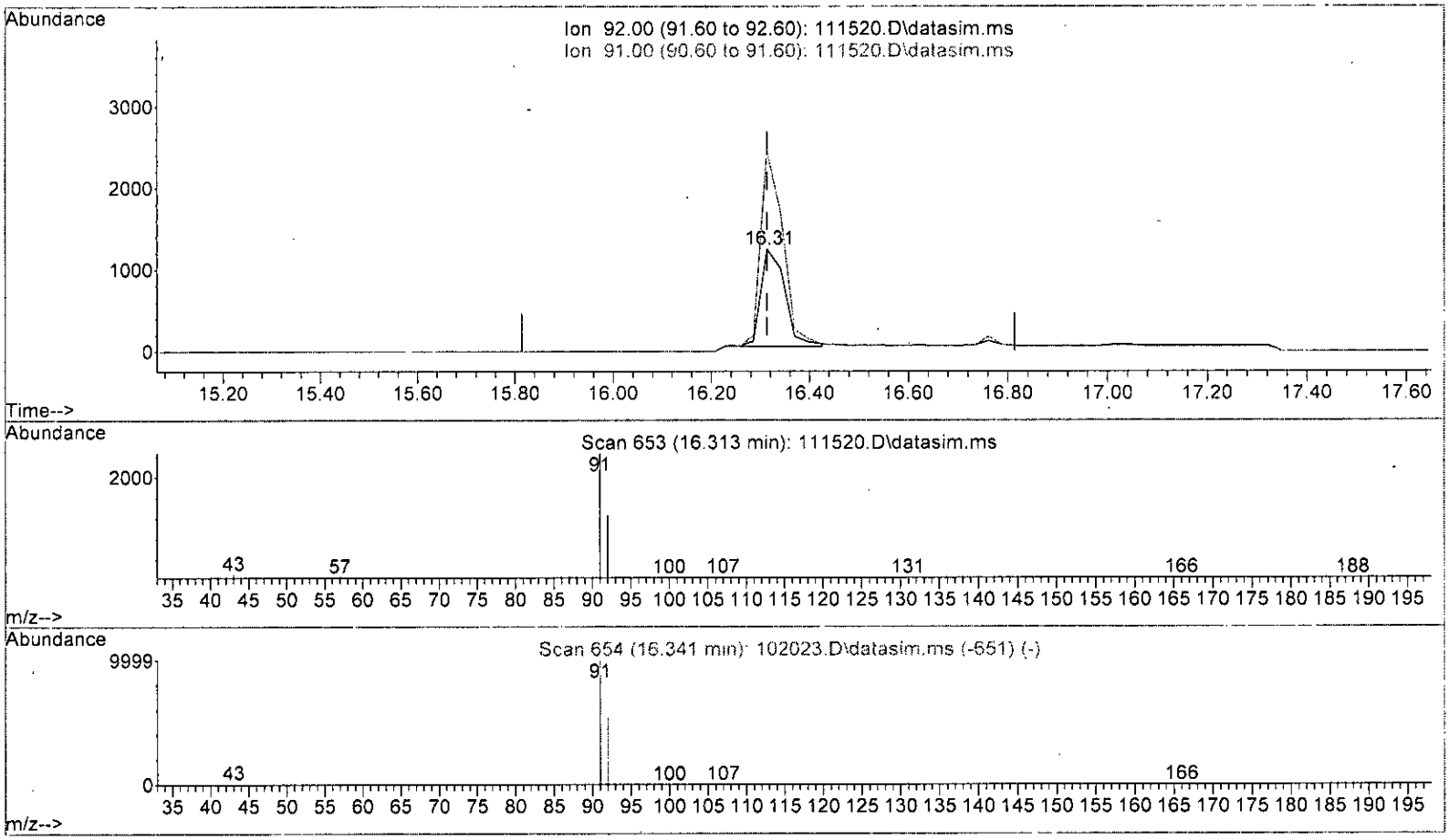
response 5731

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	196.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.204 ppbv m

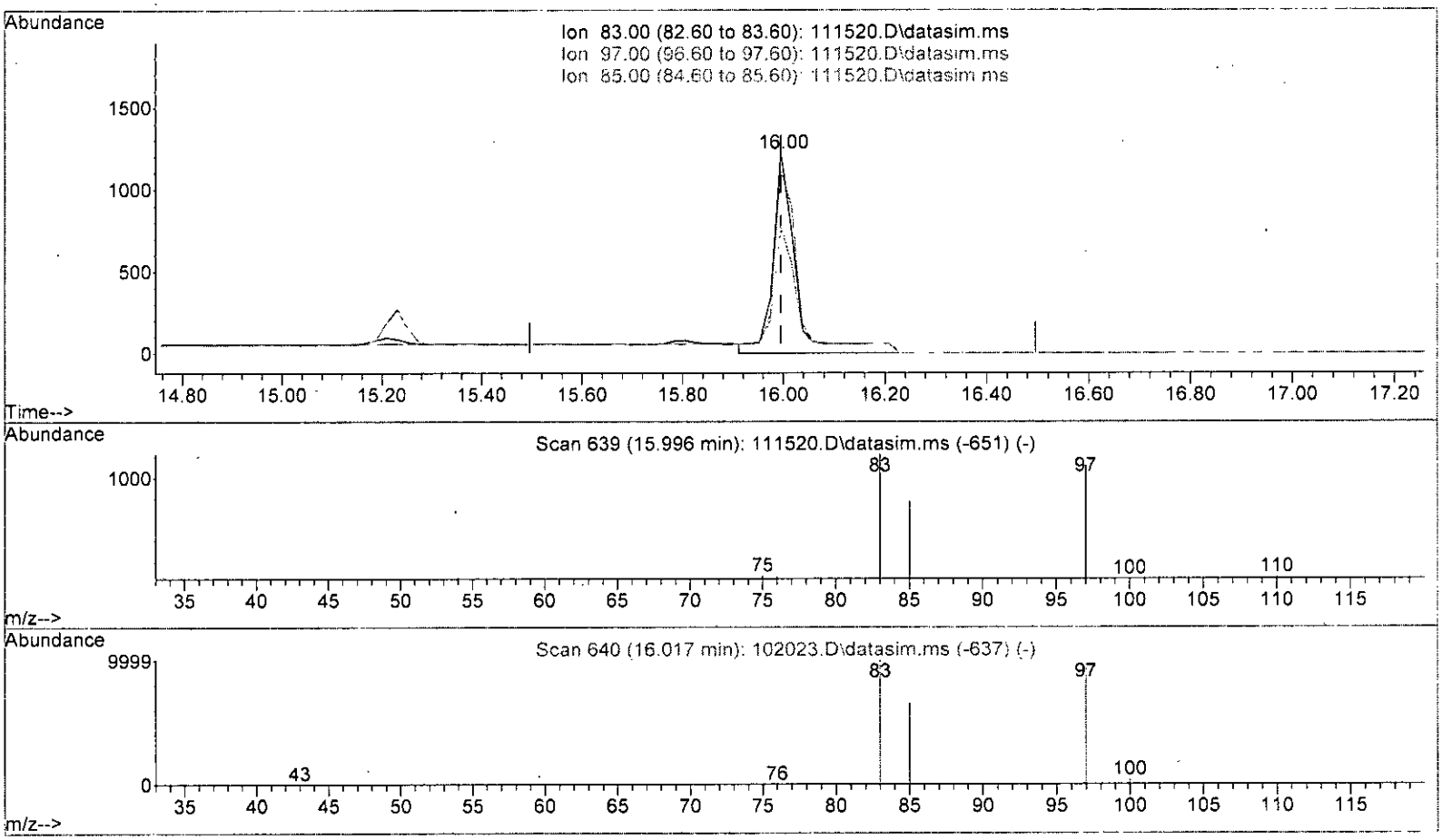
response 4061

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	196.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.261 ppbv

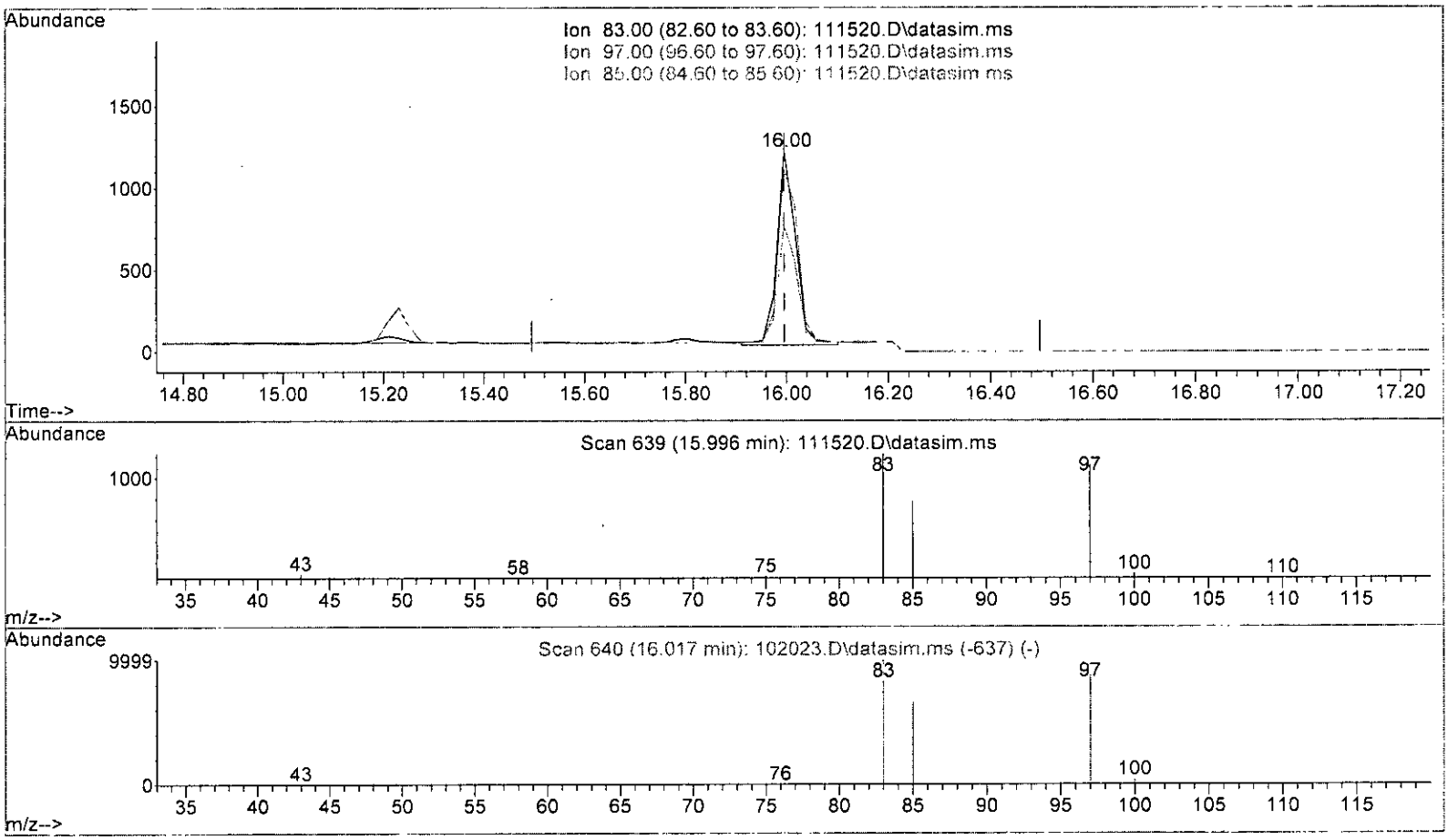
response 3946

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.92
85.00	60.50	63.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

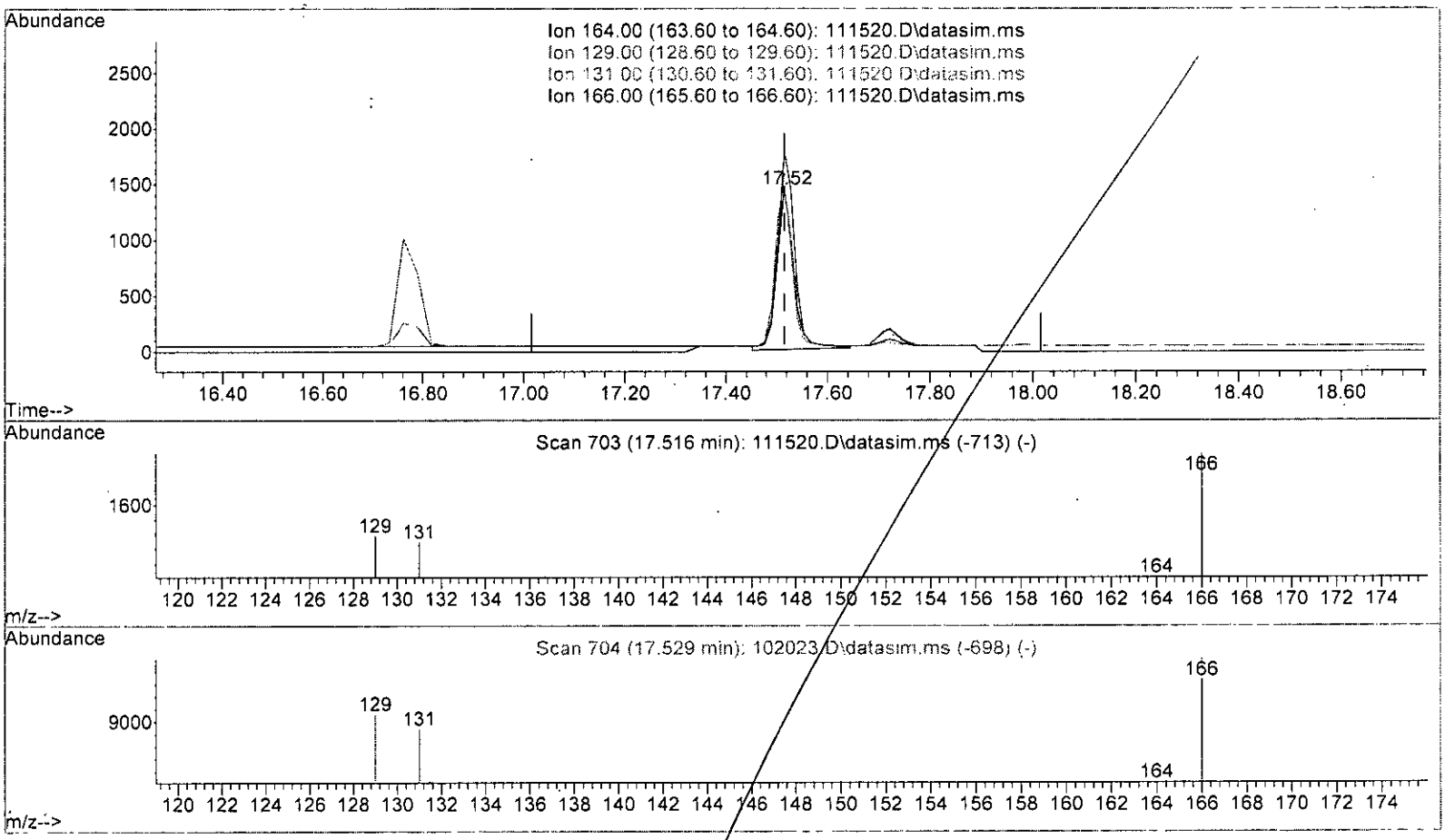
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.200 ppbv m
response 3041

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.92
85.00	60.50	63.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

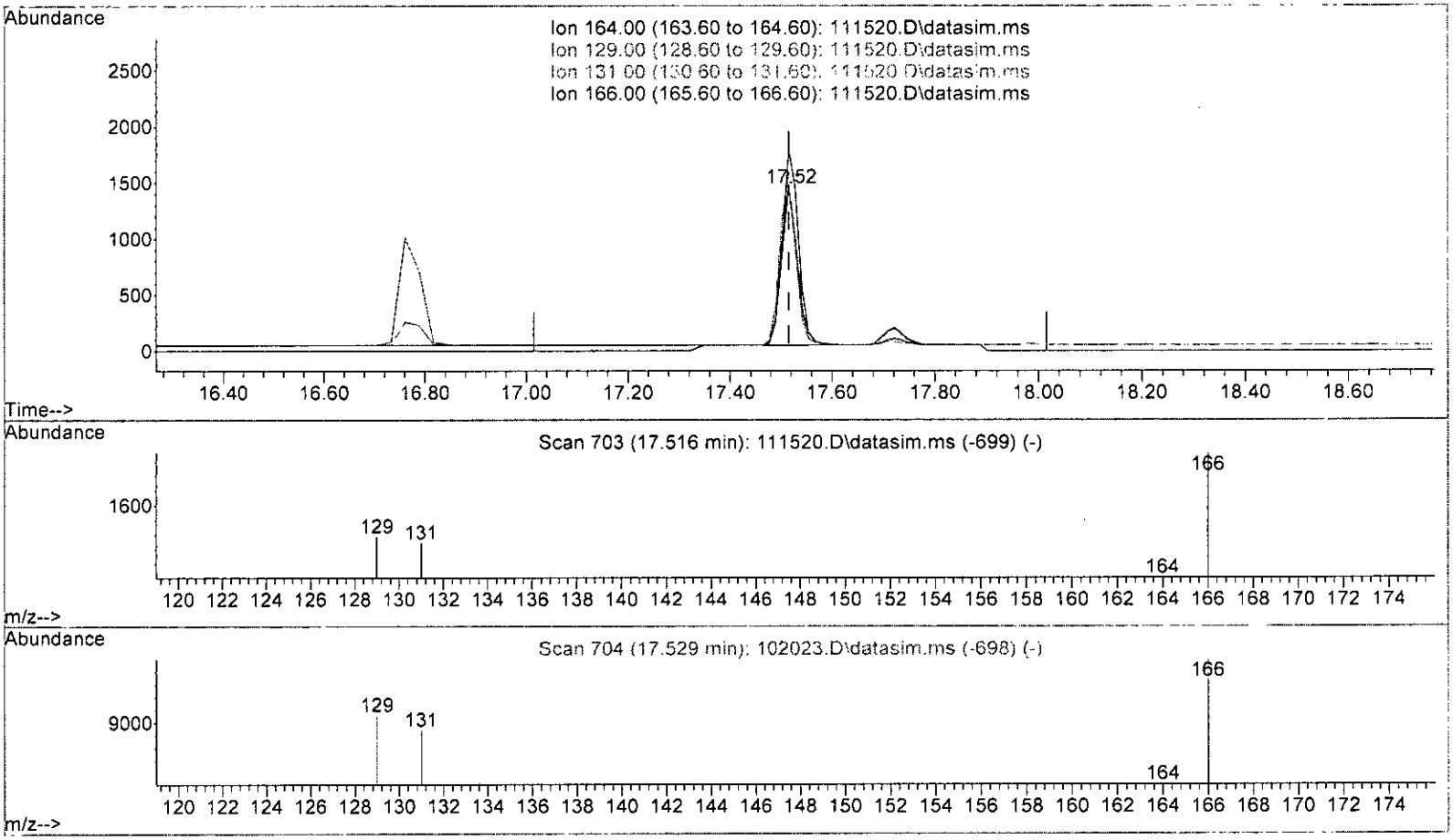
(53) Tetrachloroethene (TMP)
17.516min (-0.000) 0.238 ppbv
response 3292

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.91
131.00	100.70	106.70
166.00	137.50	124.07

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (-0.000) 0.215 ppbv m

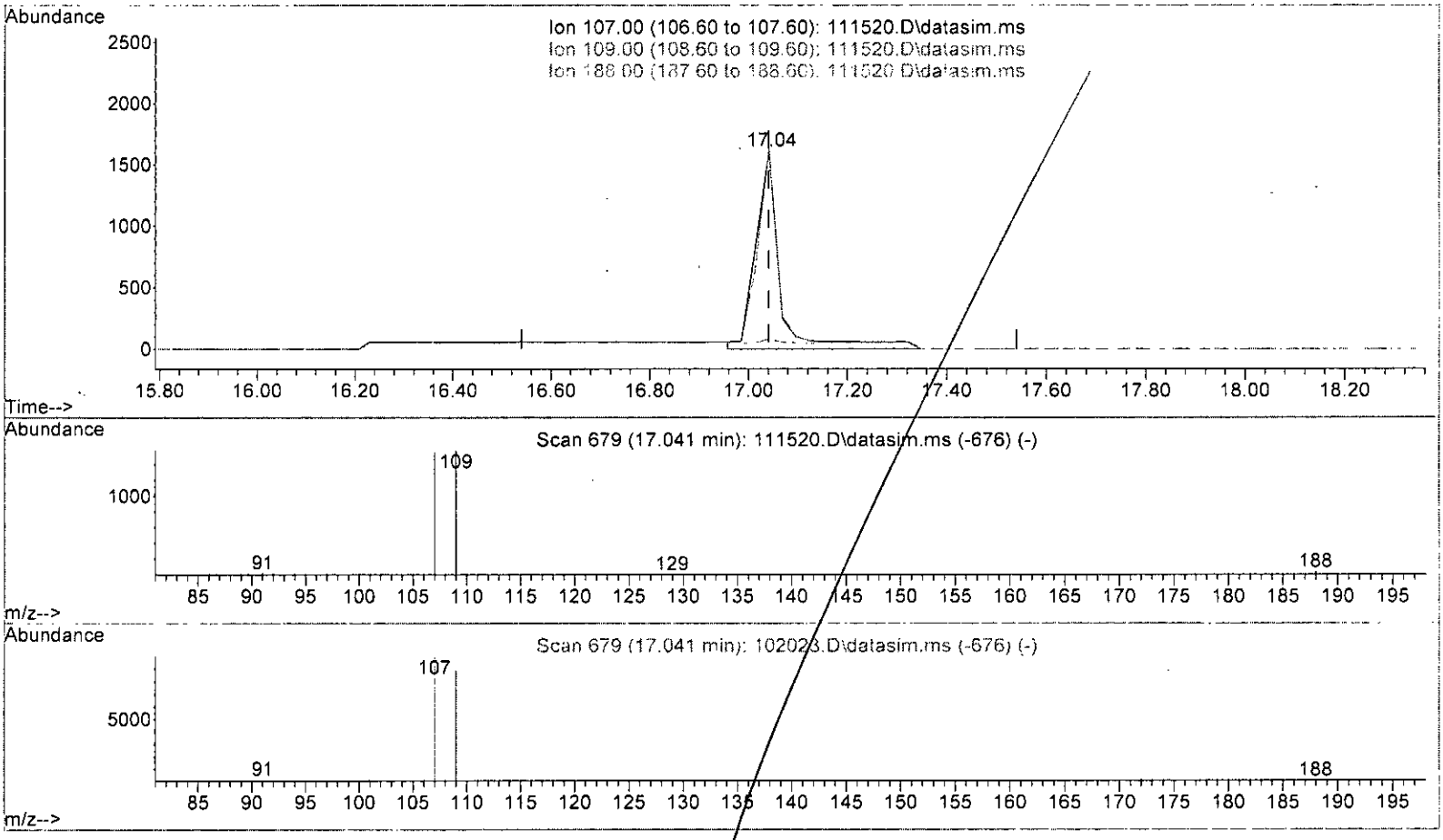
response 2972

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.70
131.00	100.70	106.60
166.00	137.50	123.23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.241 ppbv

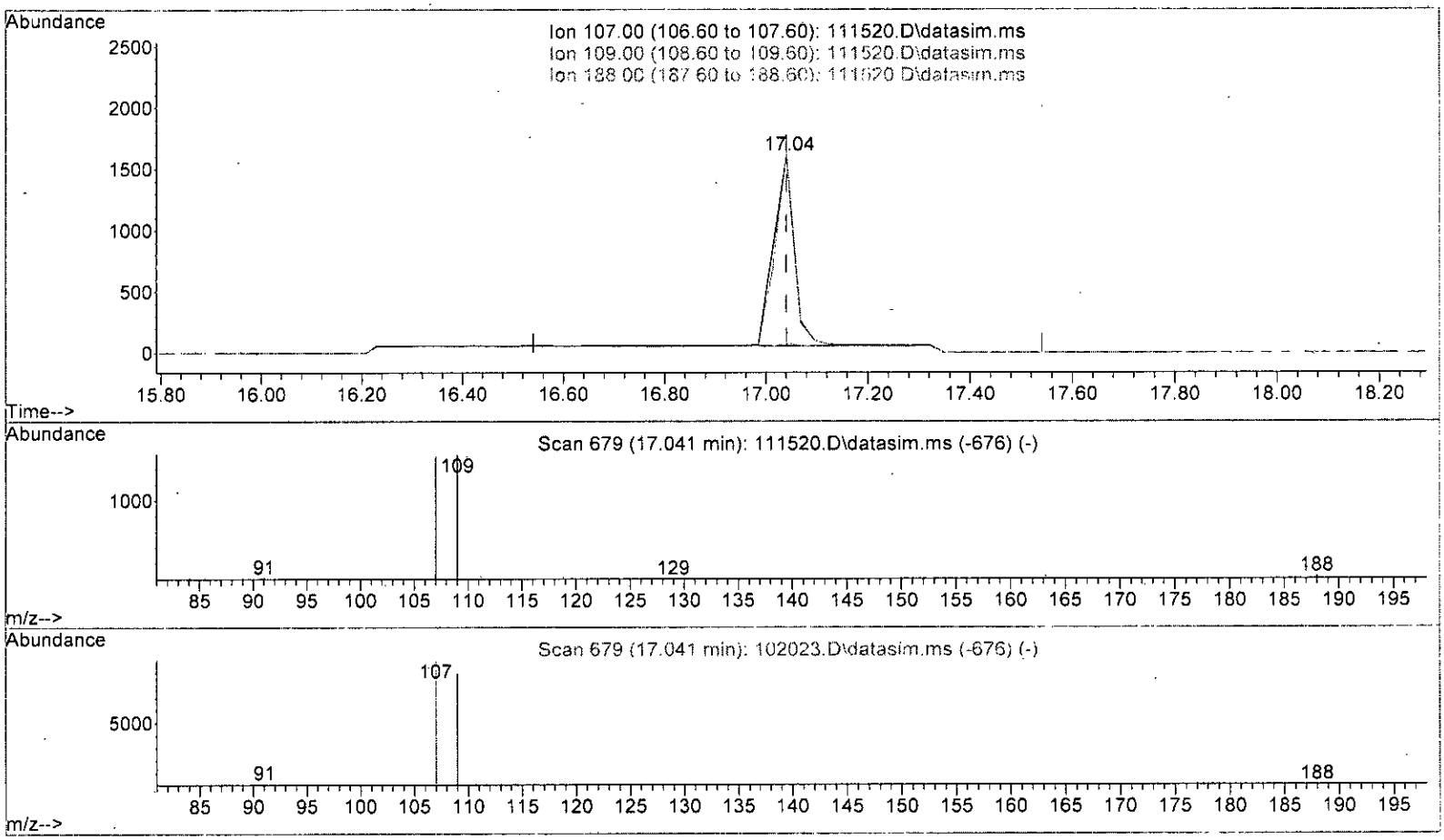
response 5380

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.18
188.00	2.70	5.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.194 ppbv m

response 4368

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.18
188.00	2.70	5.02
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63282	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	281999	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252889	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	162096	9.249	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.50%		
Target Compounds						Qvalue
2) Propene	3.41	41	2596	0.215	ppbv	95
3) Dichlorodifluoromethane	3.49	85	4964	0.190	ppbv	95
4] Chloromethane	3.73	50	2918m	0.245	ppbv	
5) F-114	3.84	85	5157	0.193	ppbv	94
6] Vinyl chloride	4.09	62	2303	0.197	ppbv	99
7] 1,3-Butadiene	4.29	54	1397	0.182	ppbv #	89
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	4.60	94	2258	0.193	ppbv	89
10] Chloroethane	4.84	64	825m	0.199	ppbv	
11] Vinyl bromide	5.30	106	1998m	0.196	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.40	56	899m	0.195	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	5.80	101	6289	0.208	ppbv	79
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	2035	0.195	ppbv	89
19] trans-1,2-Dichloroethene	8.07	96	2025	0.200	ppbv	86
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	6.94	41	2566	0.197	ppbv	91
23) CFC-113	7.15	101	4645	0.212	ppbv	100
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	8.43	73	4125	0.190	ppbv	85
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	4141	0.196	ppbv	100
28] cis-1,2-Dichloroethene	9.64	96	2075	0.194	ppbv	97
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	4941	0.196	ppbv	95
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	10.77	42	2272m	0.198	ppbv	
33) 2-Butanone (MEK)	8.91	72	741	0.189	ppbv #	45
34] 1,2-Dichloroethane (EDC)	11.34	62	3226m	0.193	ppbv	
35] 1,1,1-Trichloroethane	11.83	97	4009m	0.189	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	7651	0.173	ppbv	96
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	2962m	0.194	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

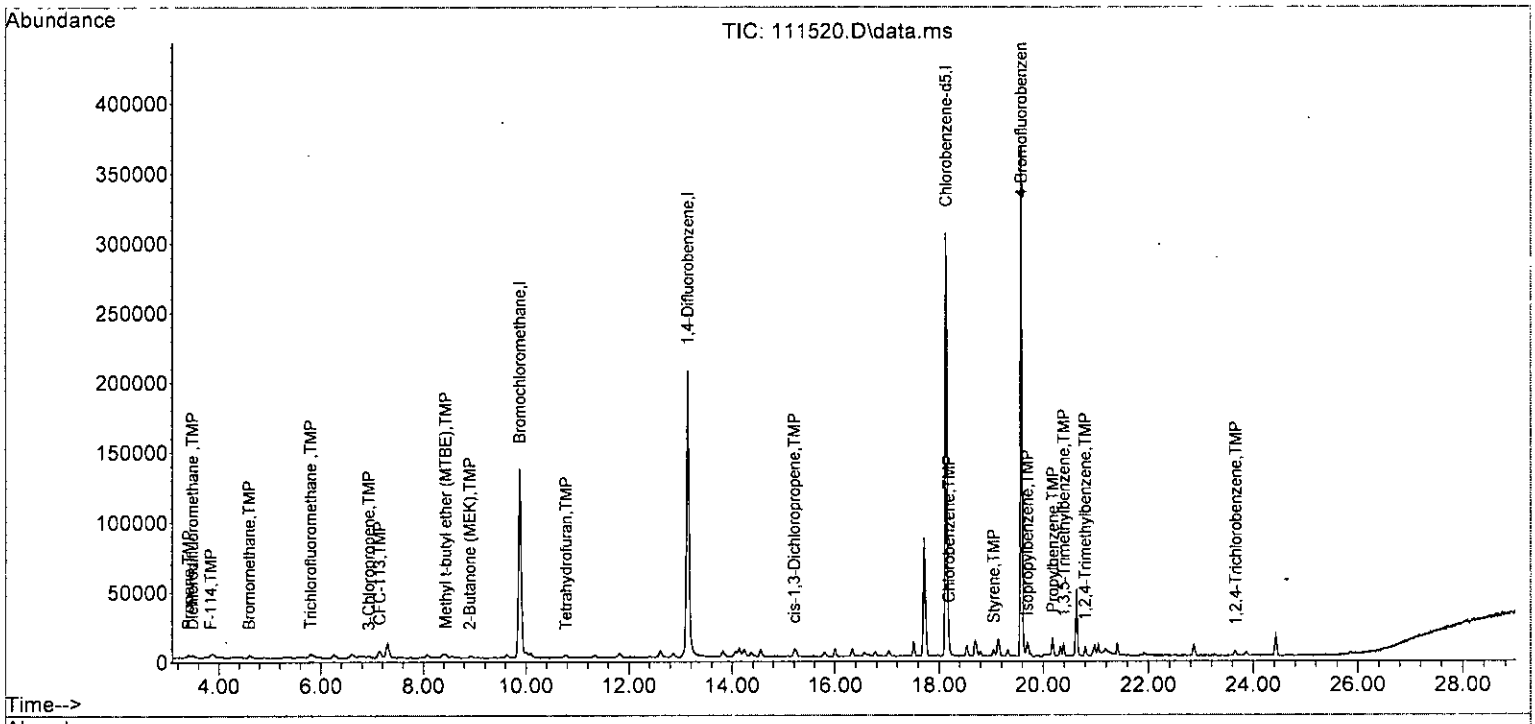
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.09	88	1375	0.212	ppbv	86
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	3461	0.207	ppbv	97
47) cis-1,3-Dichloropropene	15.20	75	3051	0.181	ppbv	89
48) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
49] trans-1,3-Dichloropropene	15.78	75	2873	0.181	ppbv	83
50] Toluene	16.31	92	4061m	0.204	ppbv	
51] 1,1,2-Trichloroethane	16.00	83	3041m	0.200	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.52	164	2972m	0.215	ppbv	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	4368m	0.194	ppbv	
57) Chlorobenzene	18.19	112	5326	0.191	ppbv	87
58] Ethylbenzene	18.53	91	8569	0.181	ppbv	98
59] 1,1,2,2-Tetrachloroethane	19.13	83	6631	0.190	ppbv	94
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	19.70	105	8458	0.187	ppbv	97
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	20.19	91	13612	0.164	ppbv	99
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	5535	0.346	ppbv	98
66] o-Xylene	19.15	106	2708	0.174	ppbv	98
67) Styrene	19.05	104	3464	0.167	ppbv	90
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	3017	0.106	ppbv	98
71) 1,3,5-Trimethylbenzene	20.39	105	5815	0.159	ppbv	93
72) 1,2,4-Trimethylbenzene	20.80	105	4256	0.190	ppbv	80
73] 1,3-Dichlorobenzene	20.98	146	4603	0.180	ppbv	98
74] 1,4-Dichlorobenzene	21.05	146	4070	0.170	ppbv	98
75] 1,2-Dichlorobenzene	21.41	146	4673	0.180	ppbv	96
76) 1,2,4-Trichlorobenzene	23.66	180	2298	0.159	ppbv	83
77] Naphthalene	23.86	128	4383	0.239	ppbv	99
78] Hexachlorobutadiene	24.44	225	5046	0.191	ppbv	100

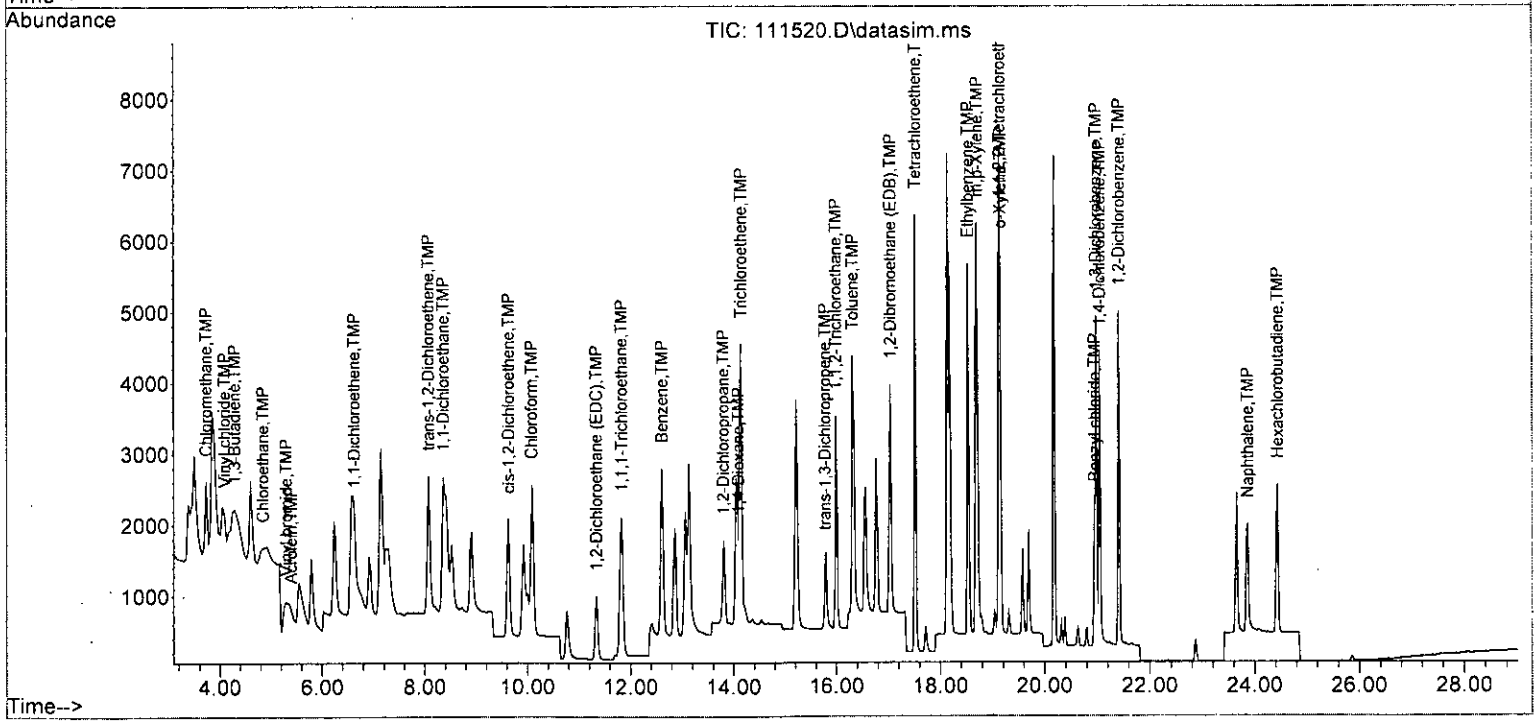
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.200	0.215	-7.5	100	0.00
3	TMP	Dichlorodifluoromethane	0.200	0.190	5.0	100	0.00
4	TMP	Chloromethane	0.200	0.245	-22.5	99	0.00
5	TMP	F-114	0.200	0.193	3.5	100	-0.04
6	TMP	Vinyl chloride	0.200	0.197	1.5	101	0.00
7	TMP	1,3-Butadiene	0.200	0.182	9.0	100	0.00
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	0.200	0.193	3.5	100	0.00
10	TMP	Chloroethane	0.200	0.199	0.5	101	0.00
11	TMP	Vinyl bromide	0.200	0.196	2.0	104	-0.02
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.200	0.195	2.5	100	-0.02
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	0.200	0.208	-4.0	100	-0.04
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.200	0.195	2.5	98	0.00
19	TMP	trans-1,2-Dichloroethene	0.200	0.200	0.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	0.200	0.197	1.5	100	0.00
23	TMP	CFC-113	0.200	0.212	-6.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	0.200	0.190	5.0	100	0.00
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.200	0.196	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.200	0.194	3.0	100	0.00
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.200	0.196	2.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	0.200	0.198	1.0	100	0.03
33	TMP	2-Butanone (MEK)	0.200	0.189	5.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	0.200	0.193	3.5	97	0.00
35	TMP	1,1,1-Trichloroethane	0.200	0.189	5.5	97	0.00
36	TMP	Carbon tetrachloride	0.200	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.200	0.173	13.5	105	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.200	0.194	3.0	100	0.00
41	TMP	1,4-Dioxane	0.200	0.212	-6.0	100	0.00
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.200	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.200	0.207	-3.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.200	0.181	9.5	100	0.00
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.200	0.181	9.5	100	0.00
50	TMP	Toluene	0.200	0.204	-2.0	99	0.00
51	TMP	1,1,2-Trichloroethane	0.200	0.200	0.0	106	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	0.200	0.215	-7.5	99	0.00
54	TMP	Dibromochloromethane	0.200	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.200	0.194	3.0	99	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.200	0.191	4.5	100	0.00
58	TMP	Ethylbenzene	0.200	0.181	9.5	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.200	0.190	5.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.200	0.187	6.5	100	0.00
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	0.200	0.164	18.0	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.400	0.346	13.5	100	0.00
66	TMP	o-Xylene	0.200	0.174	13.0	100	0.00
67	TMP	Styrene	0.200	0.167	16.5	100	0.00
68	TMP	Bromoform	0.200	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.249	7.5	100	0.00
70	TMP	Benzyl chloride	0.200	0.106	47.0#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.200	0.159	20.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.200	0.190	5.0	100	0.00
73	TMP	1,3-Dichlorobenzene	0.200	0.180	10.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.200	0.170	15.0	101	0.00
75	TMP	1,2-Dichlorobenzene	0.200	0.180	10.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.200	0.159	20.5	100	0.02
77	TMP	Naphthalene	0.200	0.239	-19.5	100	0.02
78	TMP	Hexachlorobutadiene	0.200	0.191	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	2.051	-31.8#	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.922	4.9	100	0.00
4	TMP	Chloromethane	1.882	2.306	-22.5	99	0.00
5	TMP	F-114	4.217	4.075	3.4	100	-0.04
6	TMP	Vinyl chloride	1.851	1.820	1.7	101	0.00
7	TMP	1,3-Butadiene	1.216	1.104	9.2	100	0.00
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	1.784	3.4	100	0.00
10	TMP	Chloroethane	0.655	0.652	0.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.579	1.9	104	-0.02
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.710	2.6	100	-0.02
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	4.969	-3.9	100	-0.04
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.608	2.2	98	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.600	-0.1	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	2.027	1.4	100	0.00
23	TMP	CFC-113	3.469	3.670	-5.8	100	0.00
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.259	5.1	100	0.00
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.272	2.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.639	3.0	100	0.00
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	3.904	3.8	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	1.795	0.8	100	0.03
33	TMP	2-Butanone (MEK)	0.619	0.585	5.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.549	5.1	97	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.168	5.2	97	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	6.045	-6.3	105	0.00
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.525	3.0	100	0.00
41	TMP	1,4-Dioxane	0.230	0.244	-6.1	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

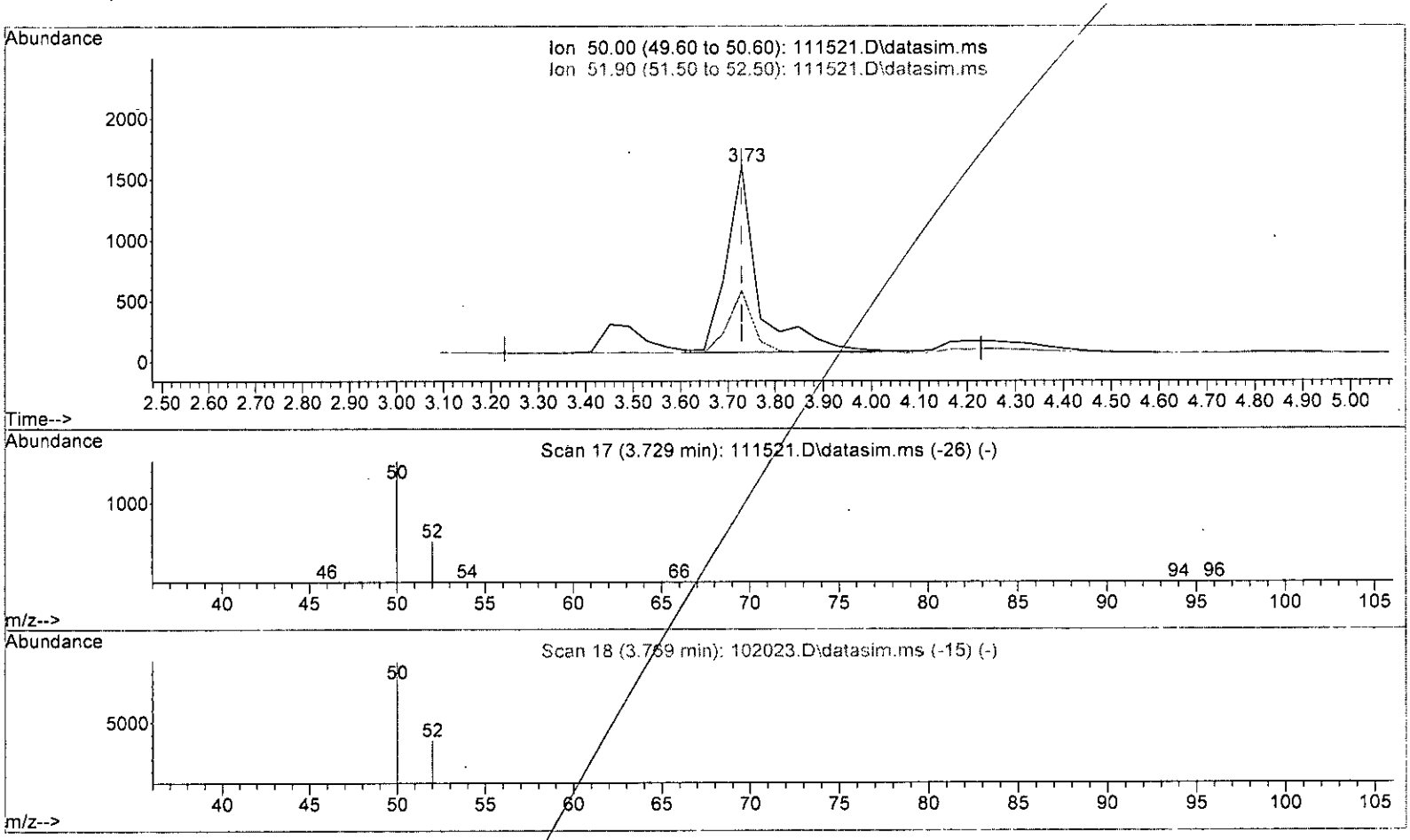
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.614	-3.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.541	9.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.509	9.6	100	0.00
50	TMP	Toluene	0.707	0.720	-1.8	99	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.539	2.0	106	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.527	-7.6	99	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.774	6.1	99	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.053	4.4	100	0.00
58	TMP	Ethylbenzene	1.968	1.694	13.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.311	6.0	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	1.672	6.7	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	2.691	18.3	100	0.00
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.547	13.6	100	0.00
66	TMP	o-Xylene	0.615	0.535	13.0	100	0.00
67	TMP	Styrene	0.819	0.685	16.4	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.641	7.5	100	0.00
70	TMP	Benzyl chloride	0.987	0.597	39.5#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.150	20.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	0.841	32.6#	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.910	10.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.805	15.0	101	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.924	9.8	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.454	27.5	100	0.02
77	TMP	Naphthalene	1.132	0.867	23.4	100	0.02
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.599 ppbv

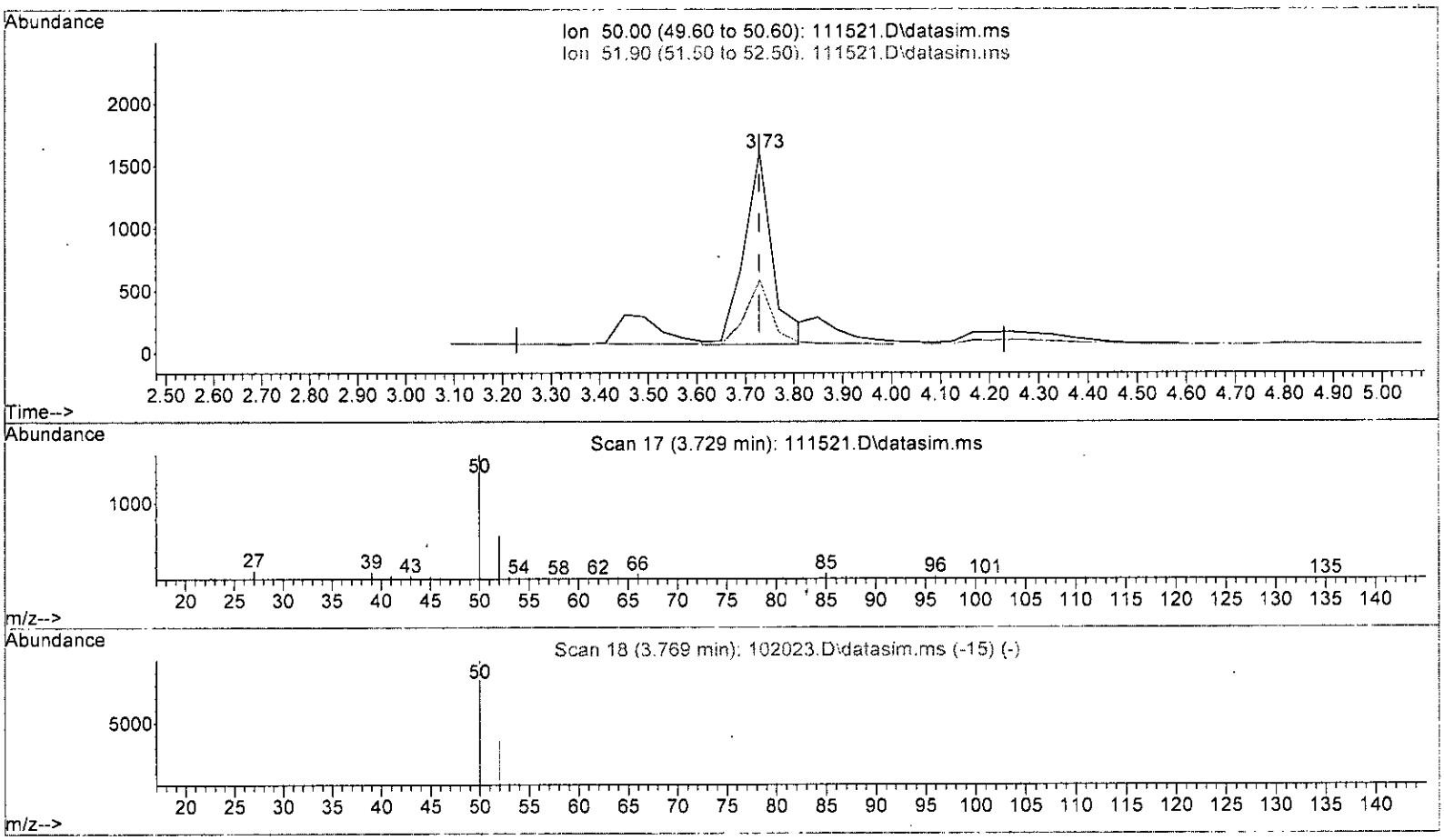
response 7076

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.527 ppbv m

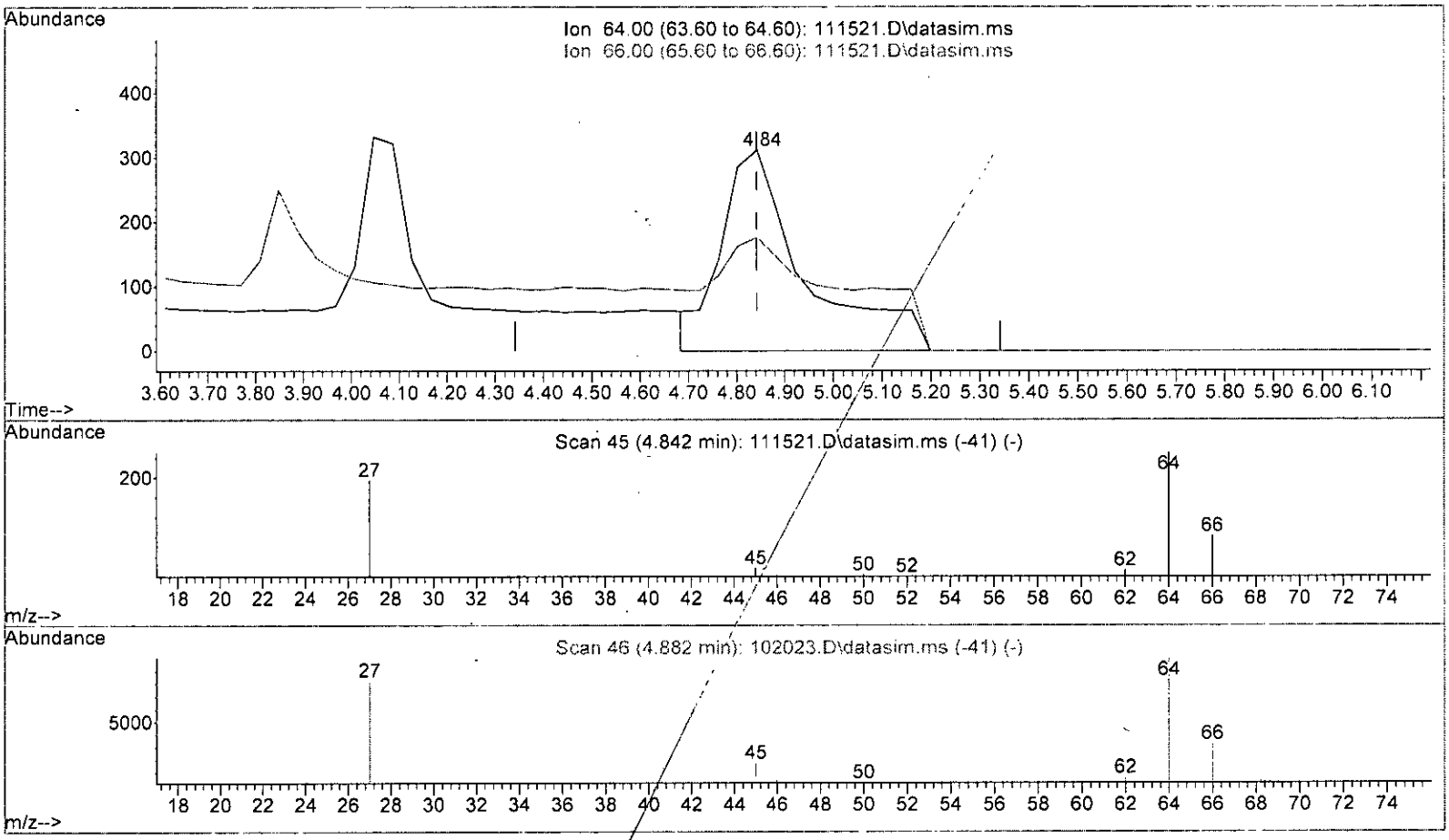
response 6232

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	36.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

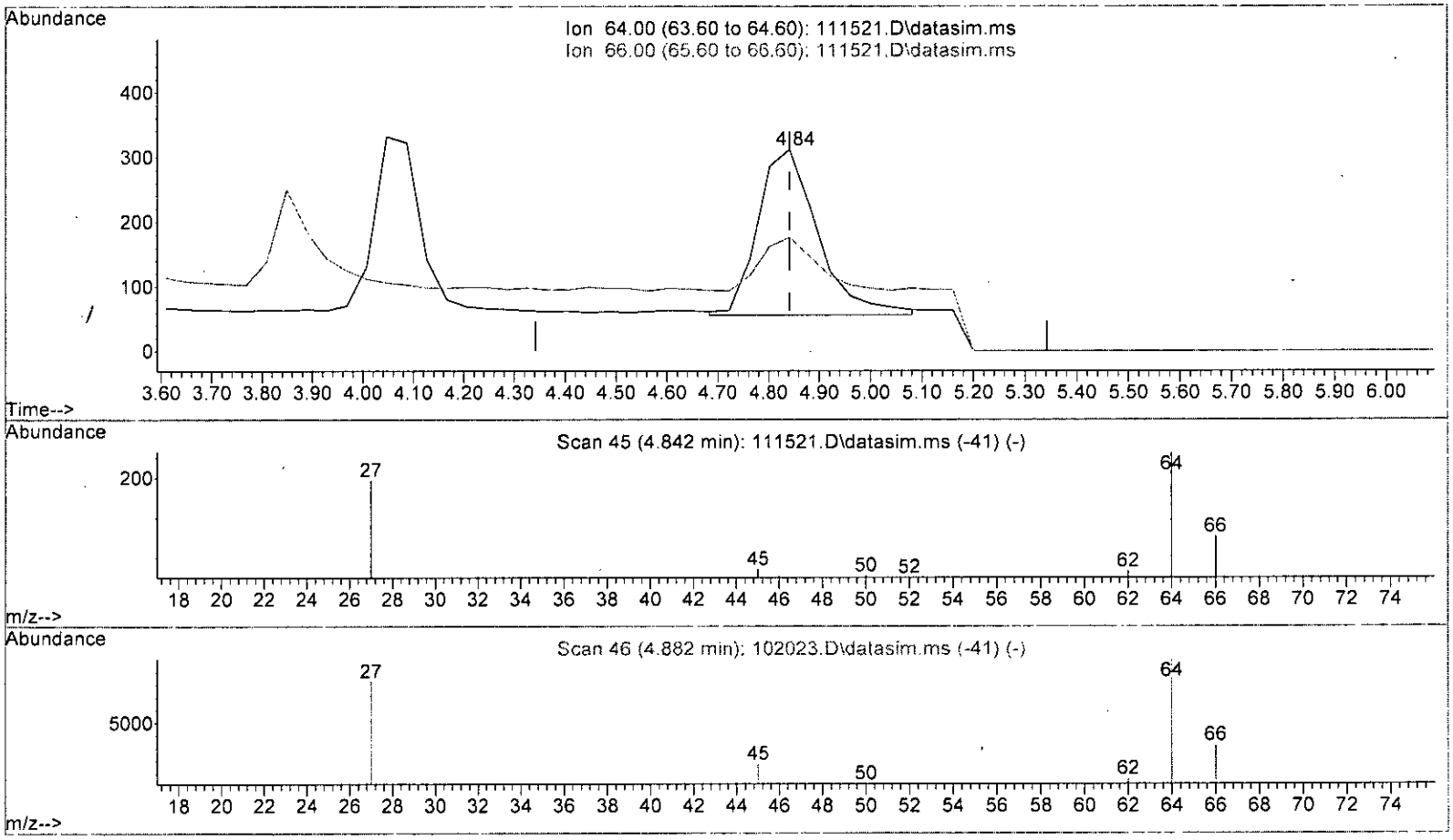
(10) Chloroethane (TMP)
4.842min (0.000) 0.874 ppbv
response 3591

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	56.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

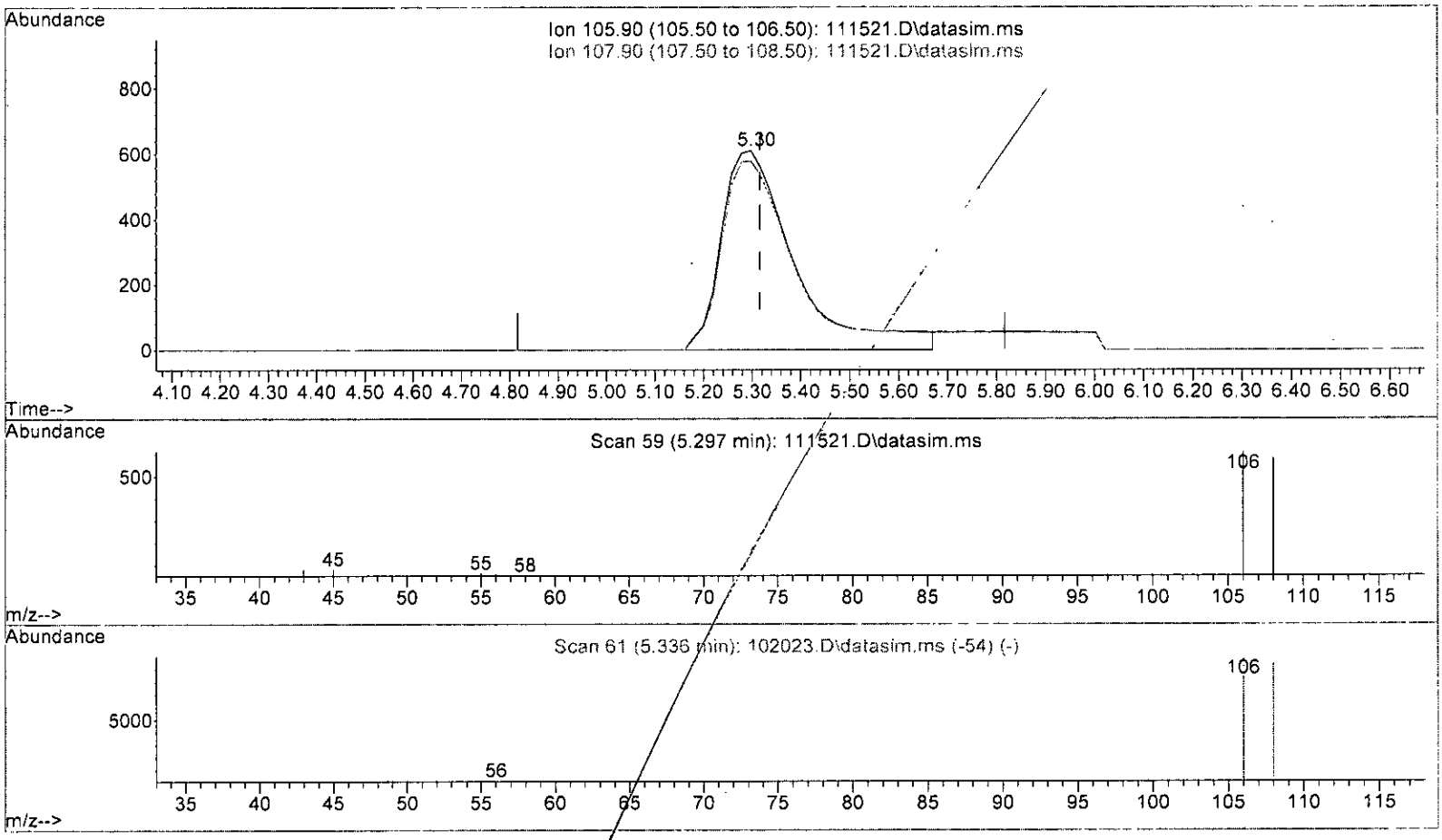
(10) Chloroethane (TMP)
4.842min (0.000) 0.509 ppbv m
response 2091

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	56.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

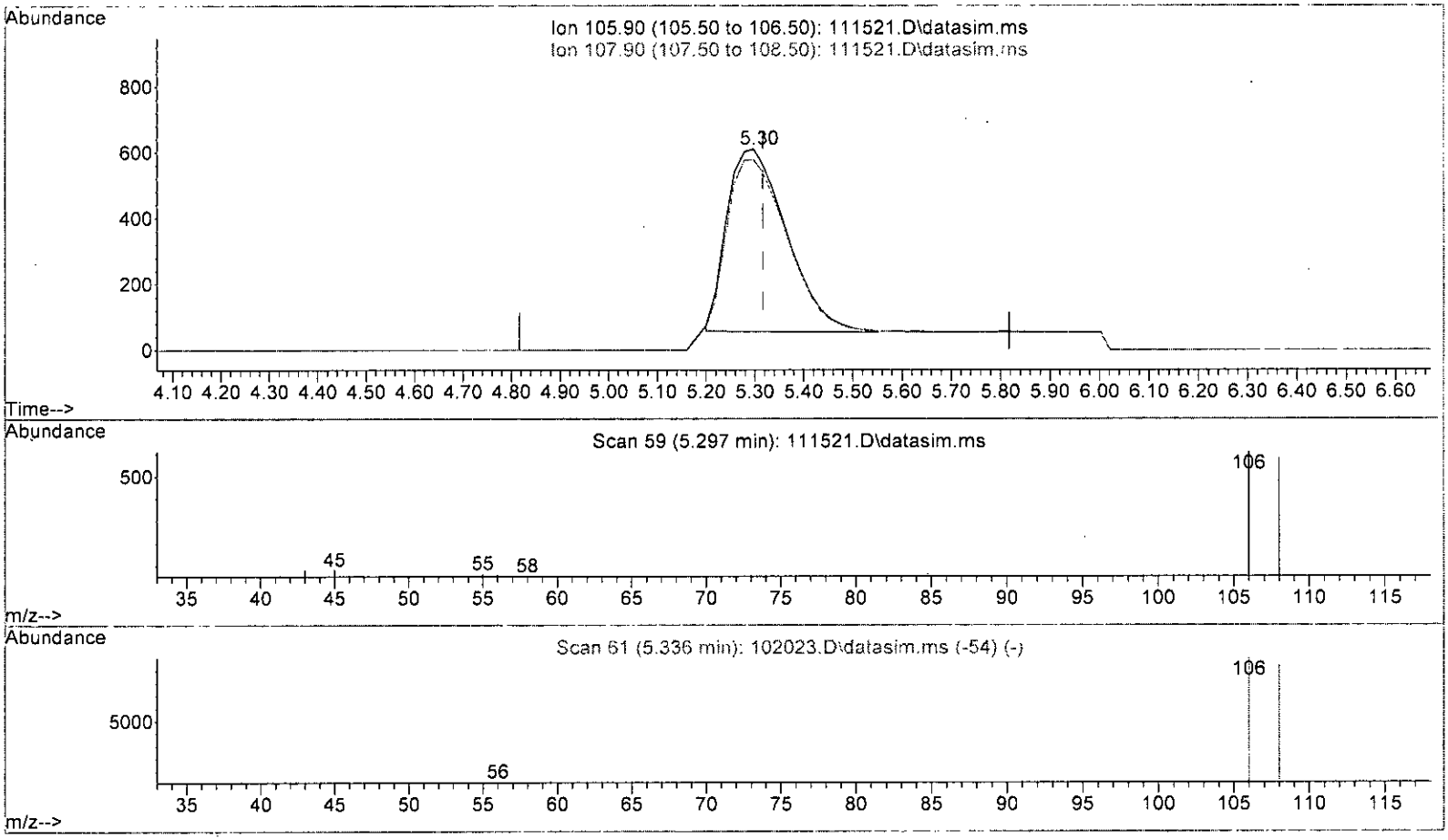
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.678 ppbv
response 6855

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (-0.020) 0.465 ppbv m

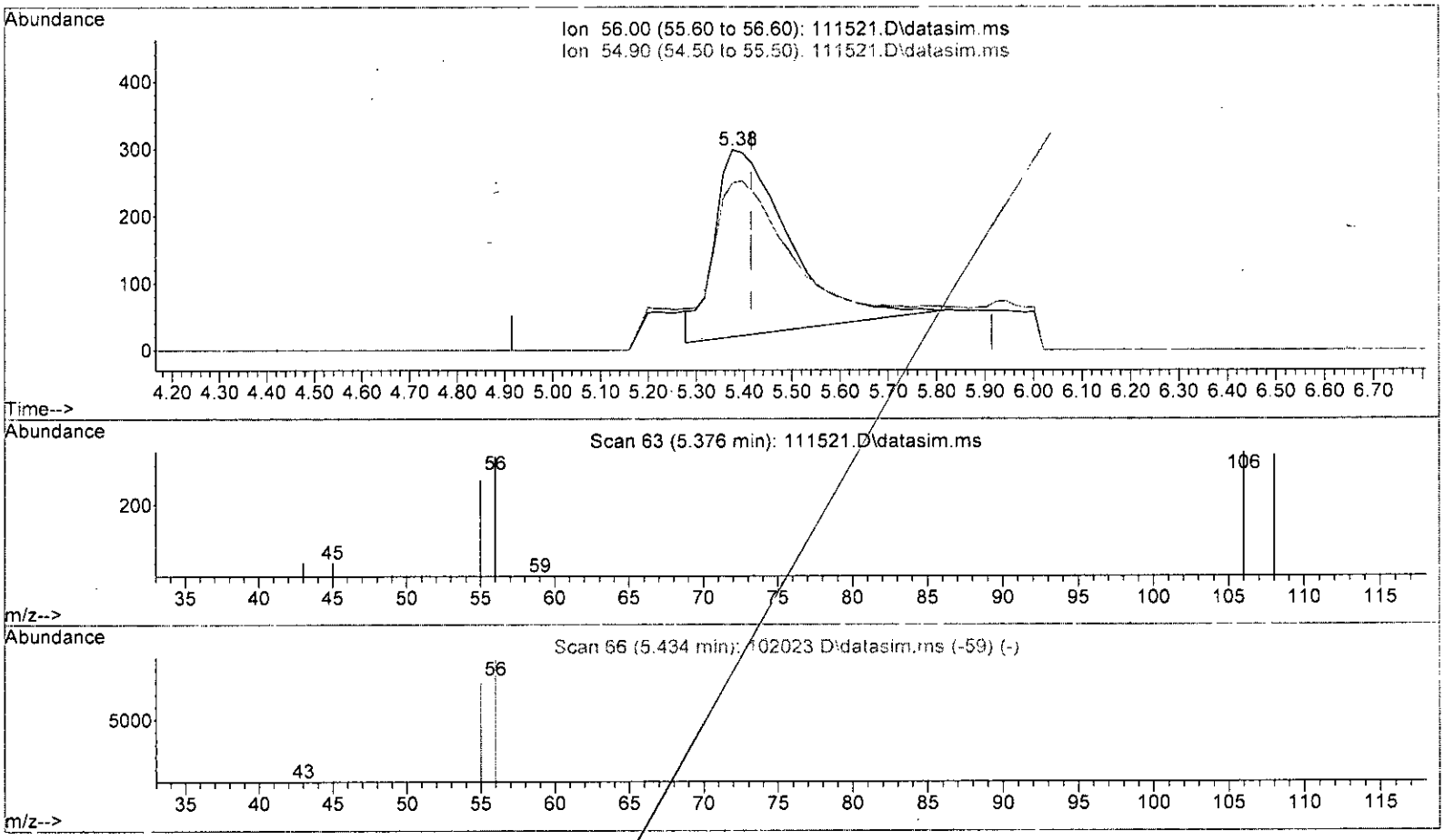
response 4701

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	142.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.660 ppbv

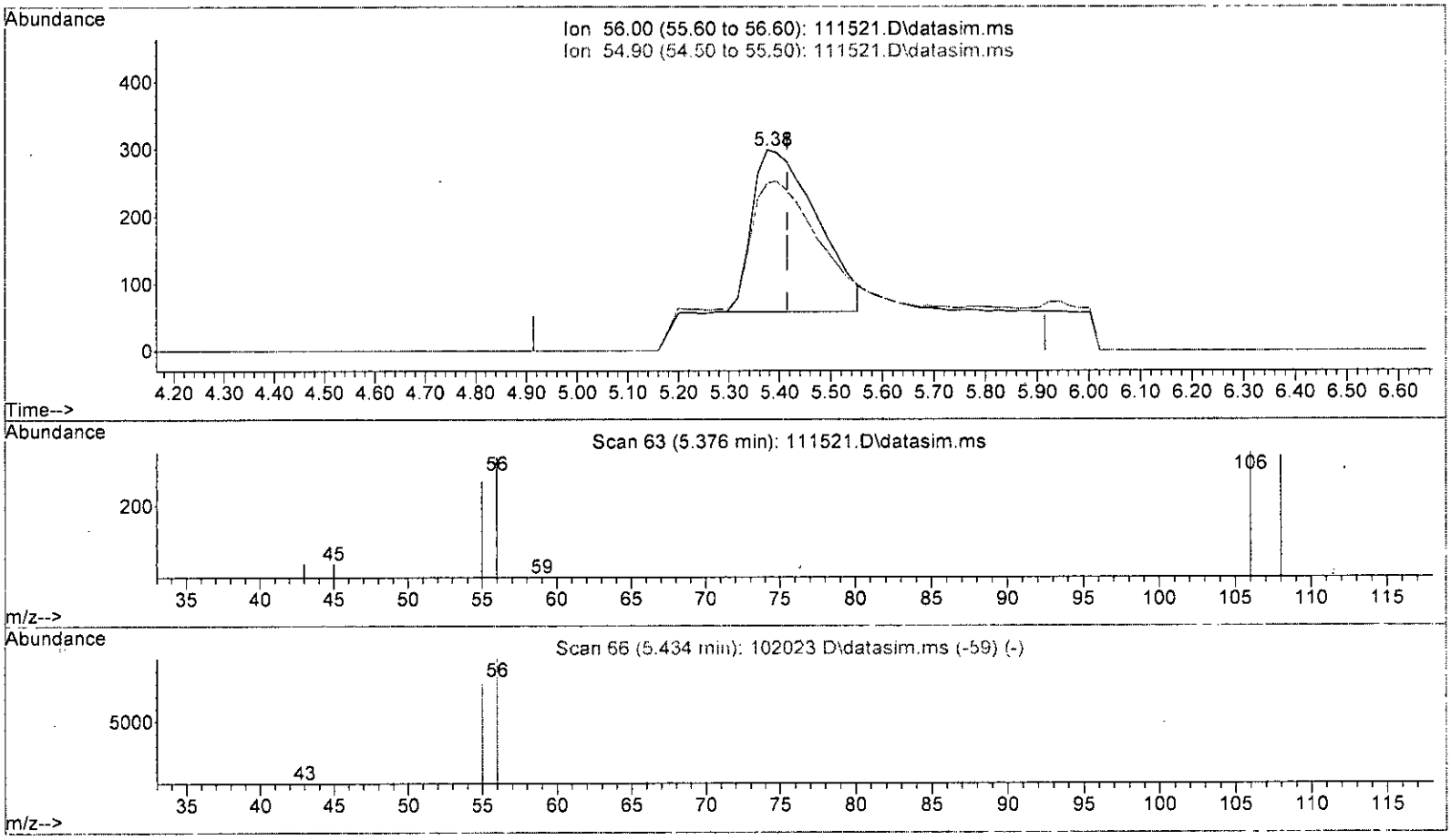
response 3019

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.467 ppbv m

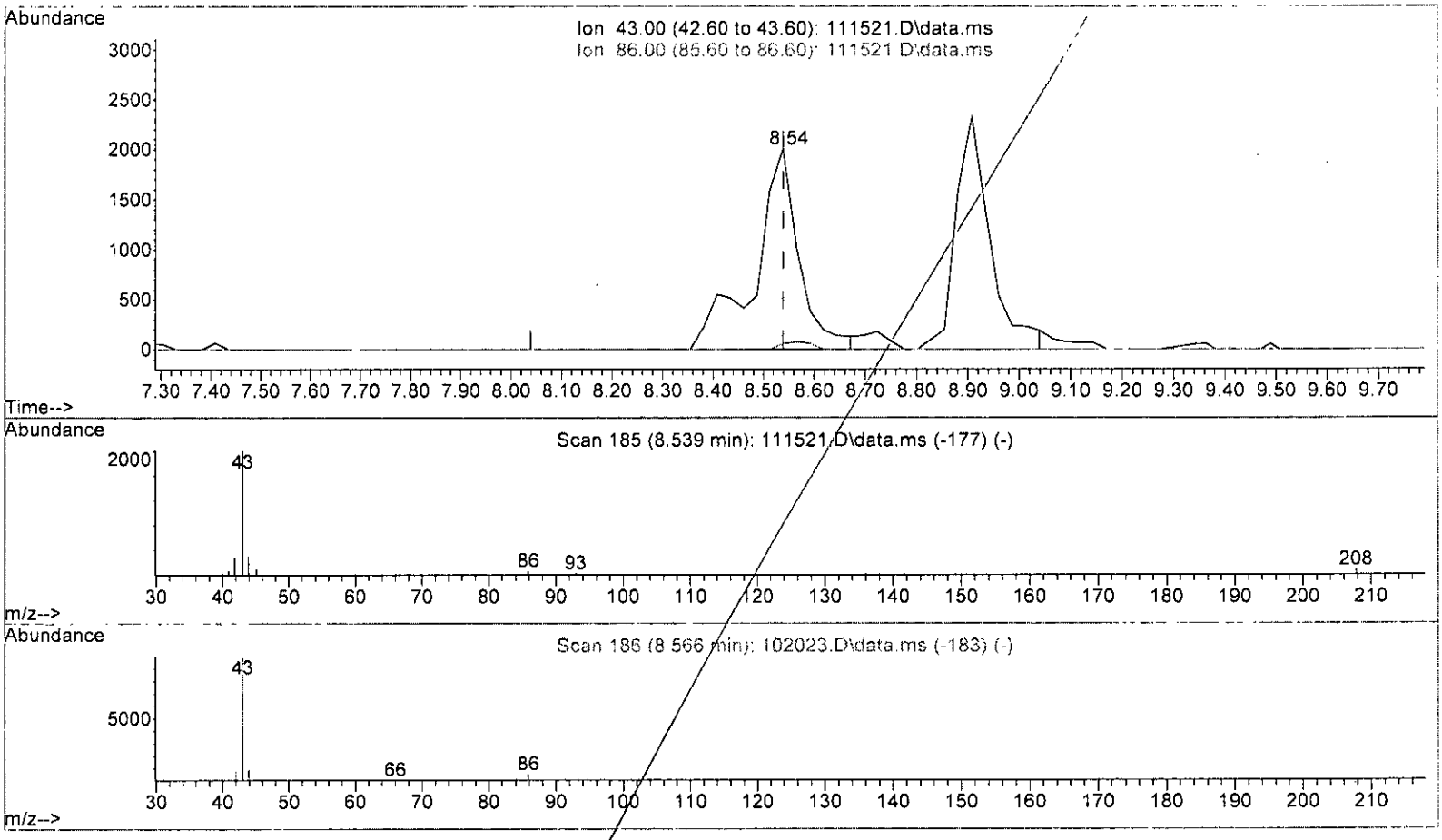
response 2135

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	117.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

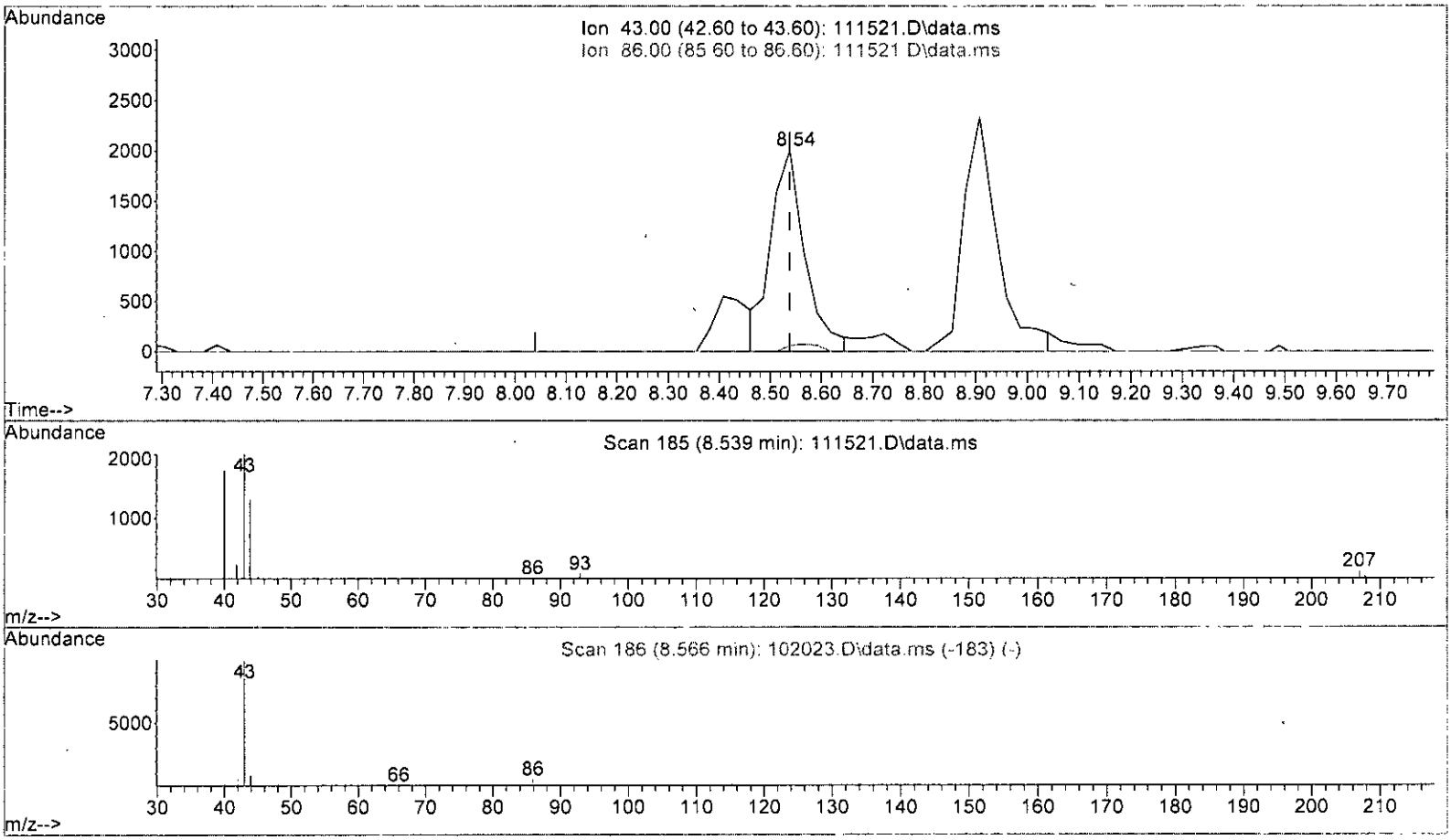
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.507 ppbv
response 12091

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	2.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

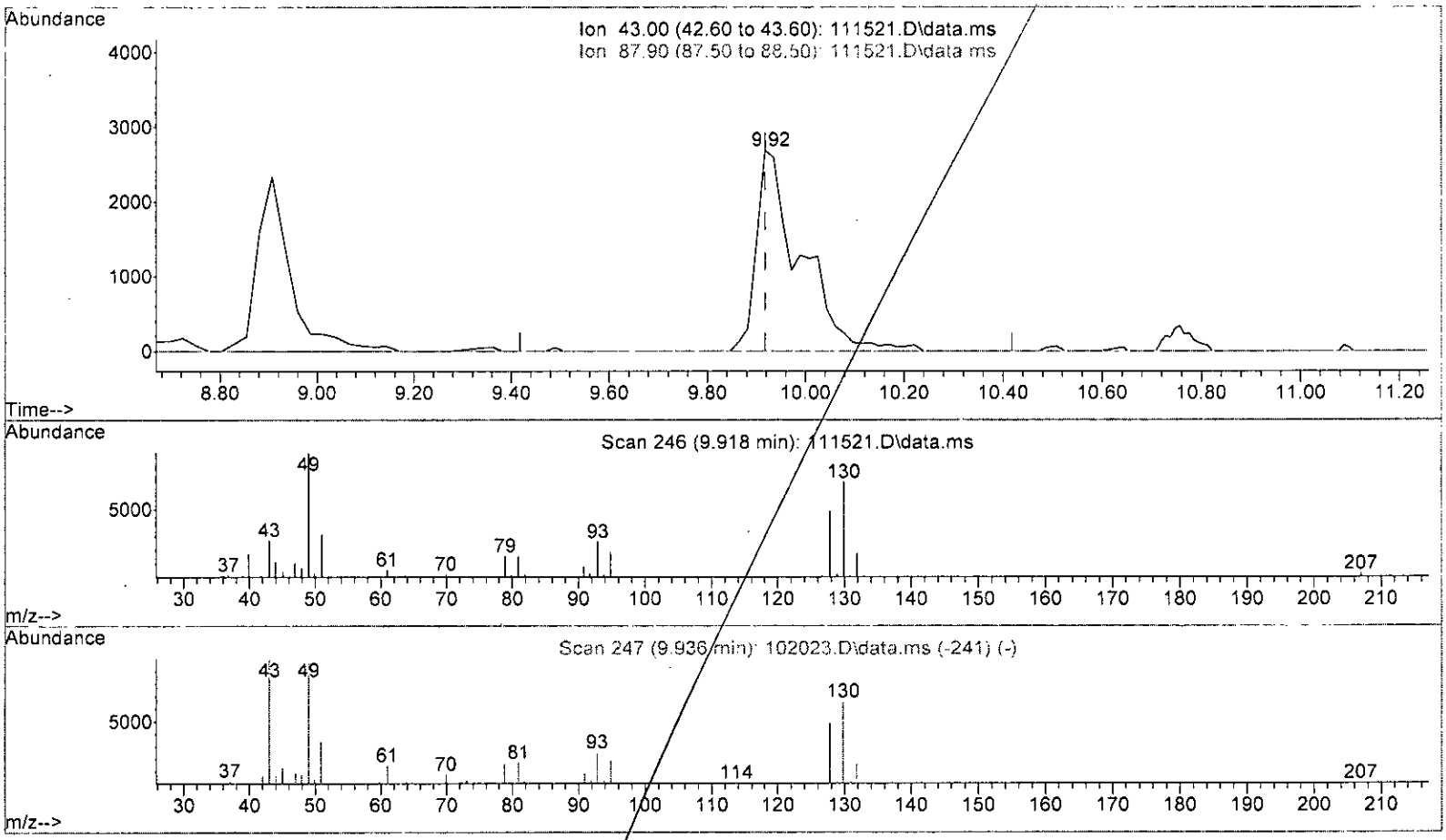
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.386 ppbv m
response 9209

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	2.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

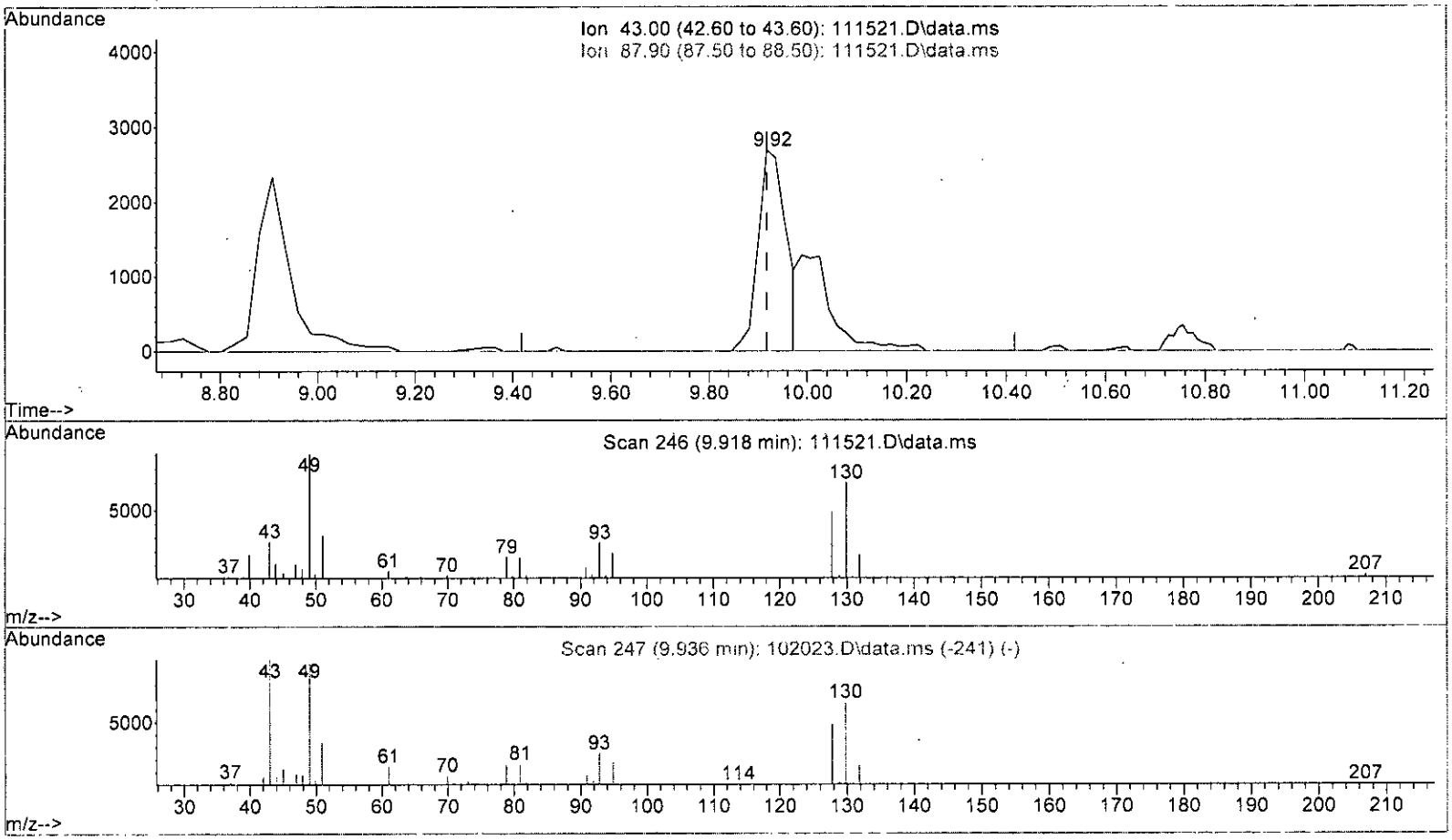
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.704 ppbv
response 16734

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

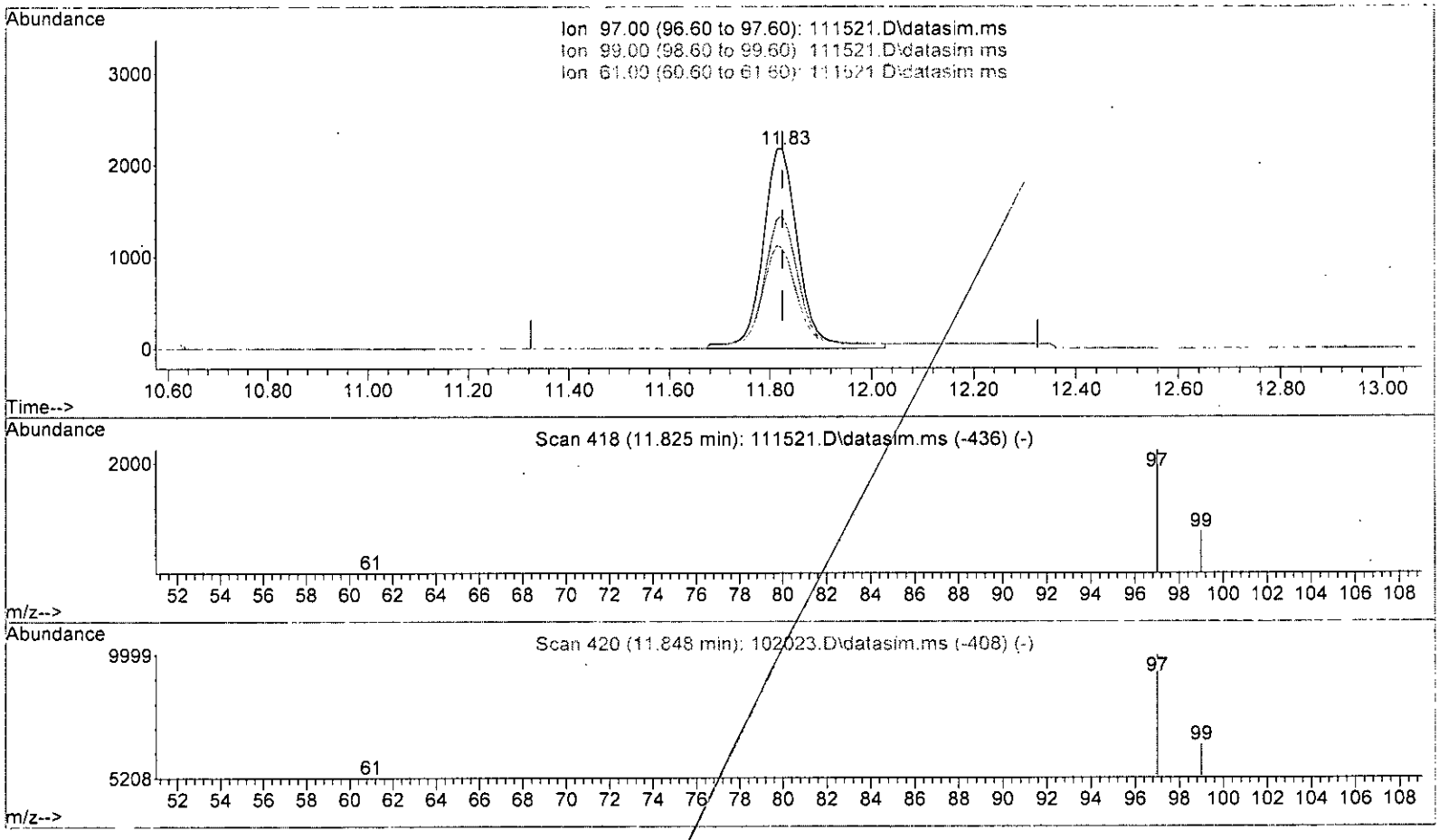
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.451 ppbv m
response 10717

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

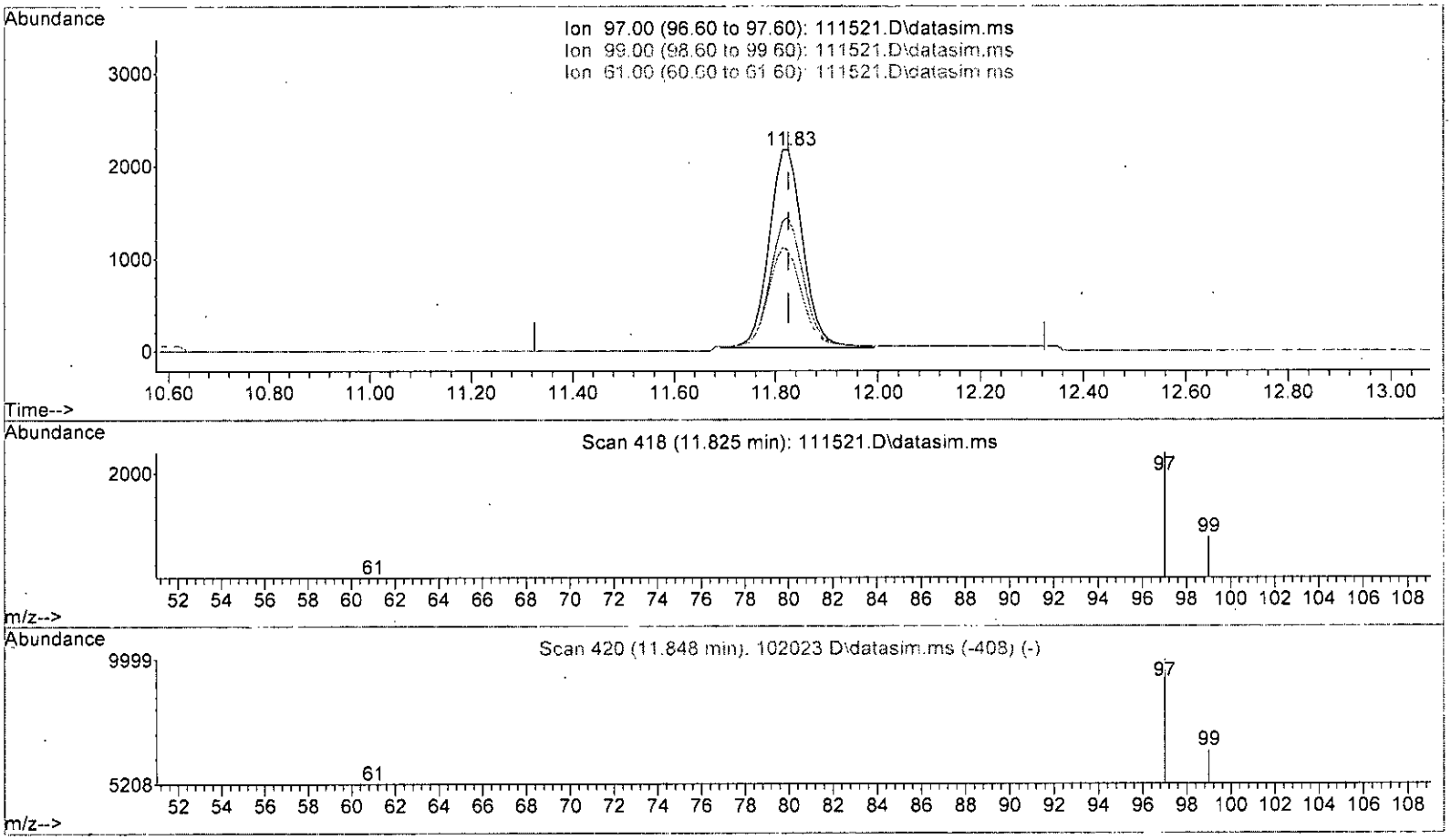
(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 0.506 ppbv
response 10621

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.45
61.00	49.30	50.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.472 ppbv m

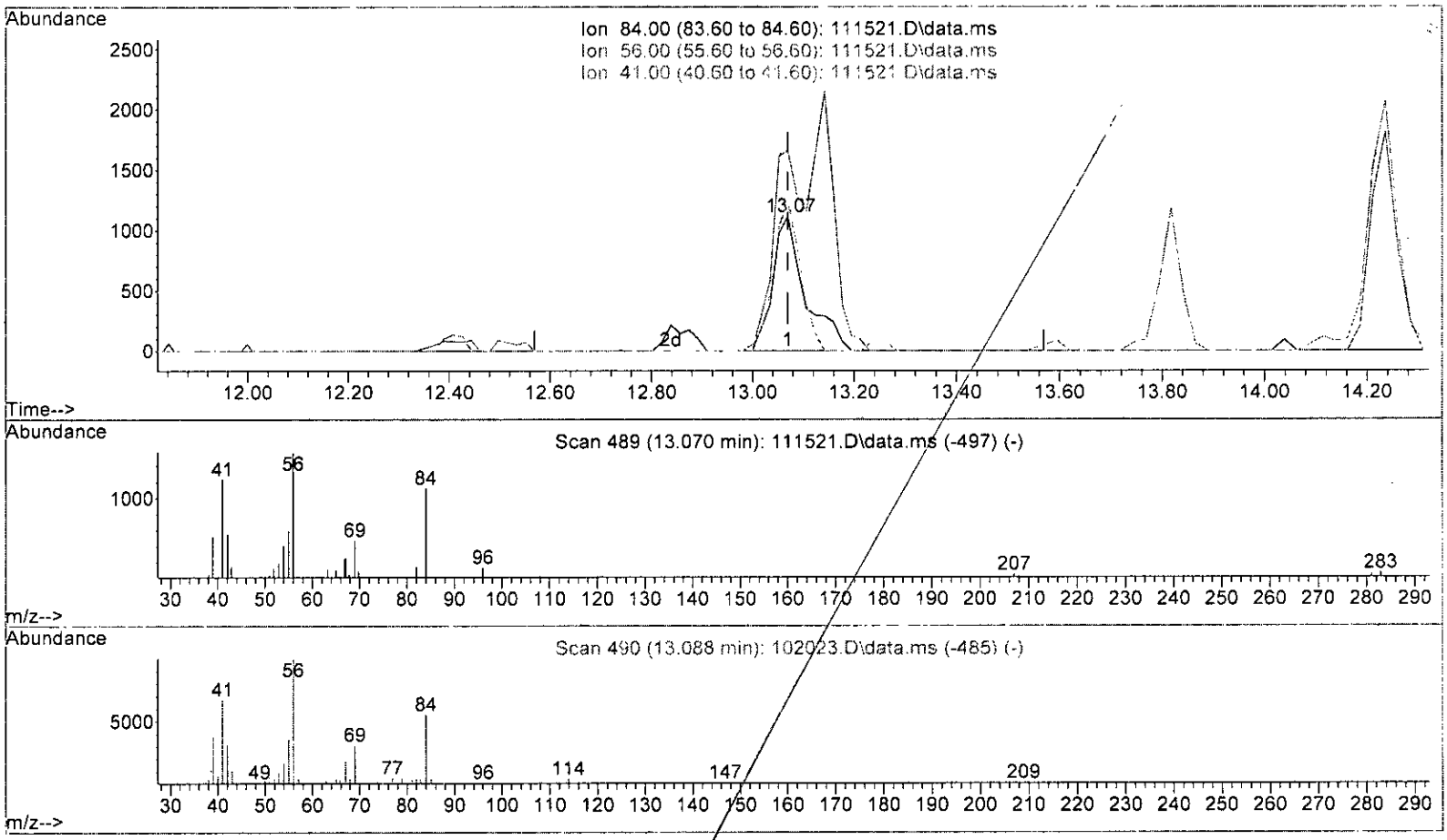
response 9916

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.45
61.00	49.30	50.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(38) Cyclohexane (TMP)

13.070min (+ 0.000) 0.579 ppbv

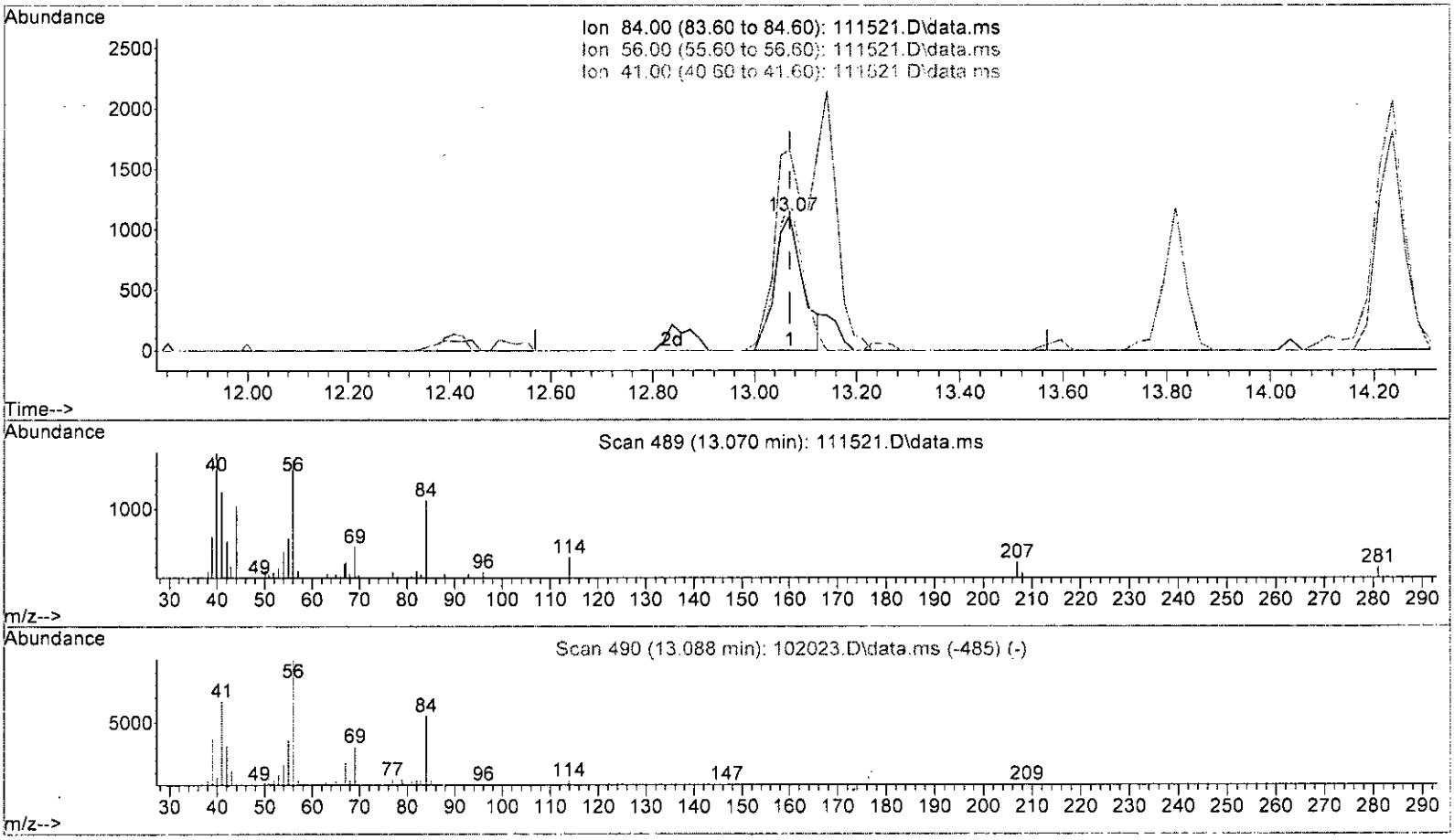
response 4967

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	174.40	149.15
41.00	107.20	109.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(38) Cyclohexane (TMP)

13.070min (+ 0.000) 0.503 ppbv m

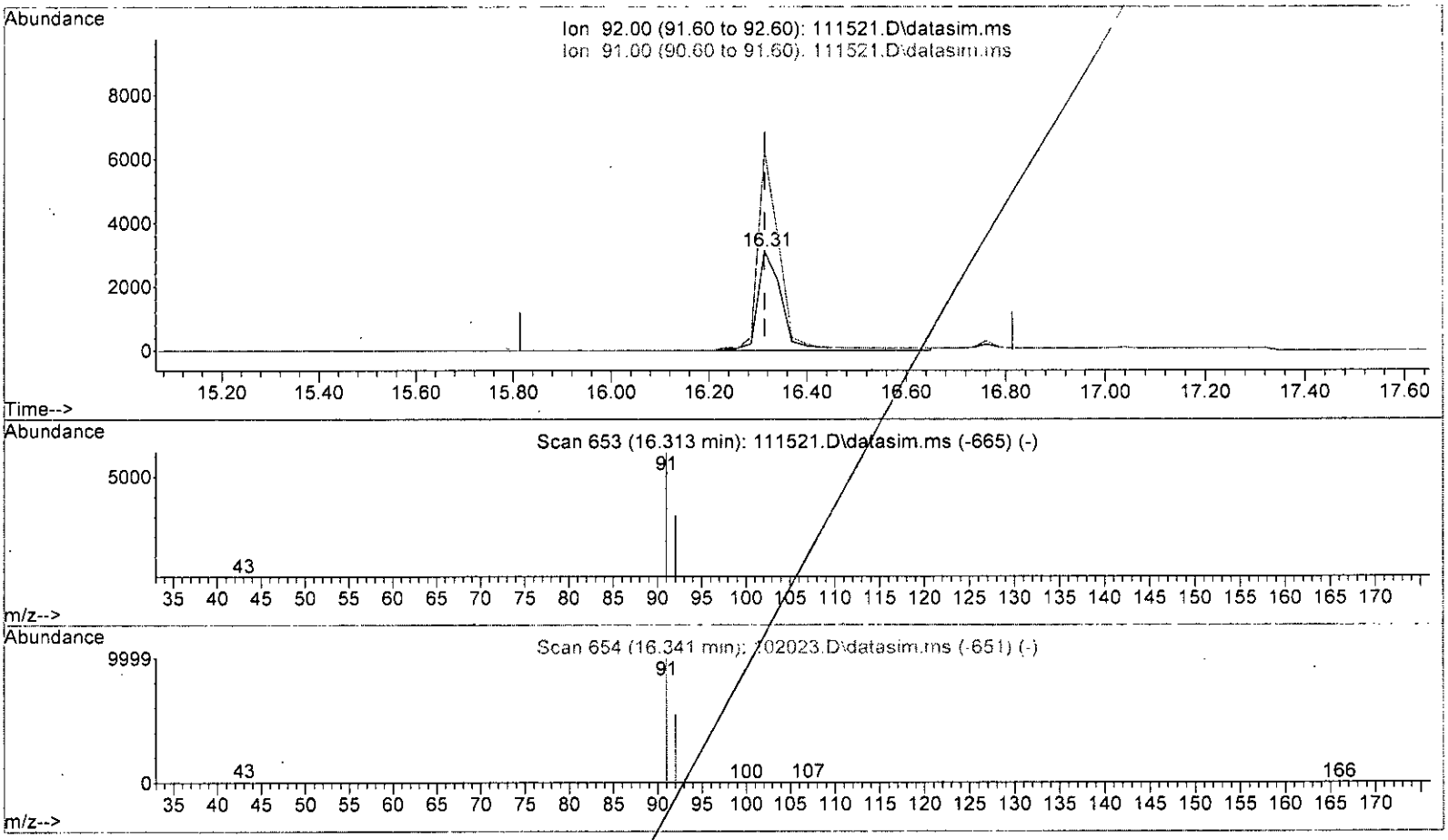
response 4321

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	174.40	149.15
41.00	107.20	109.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.556 ppbv

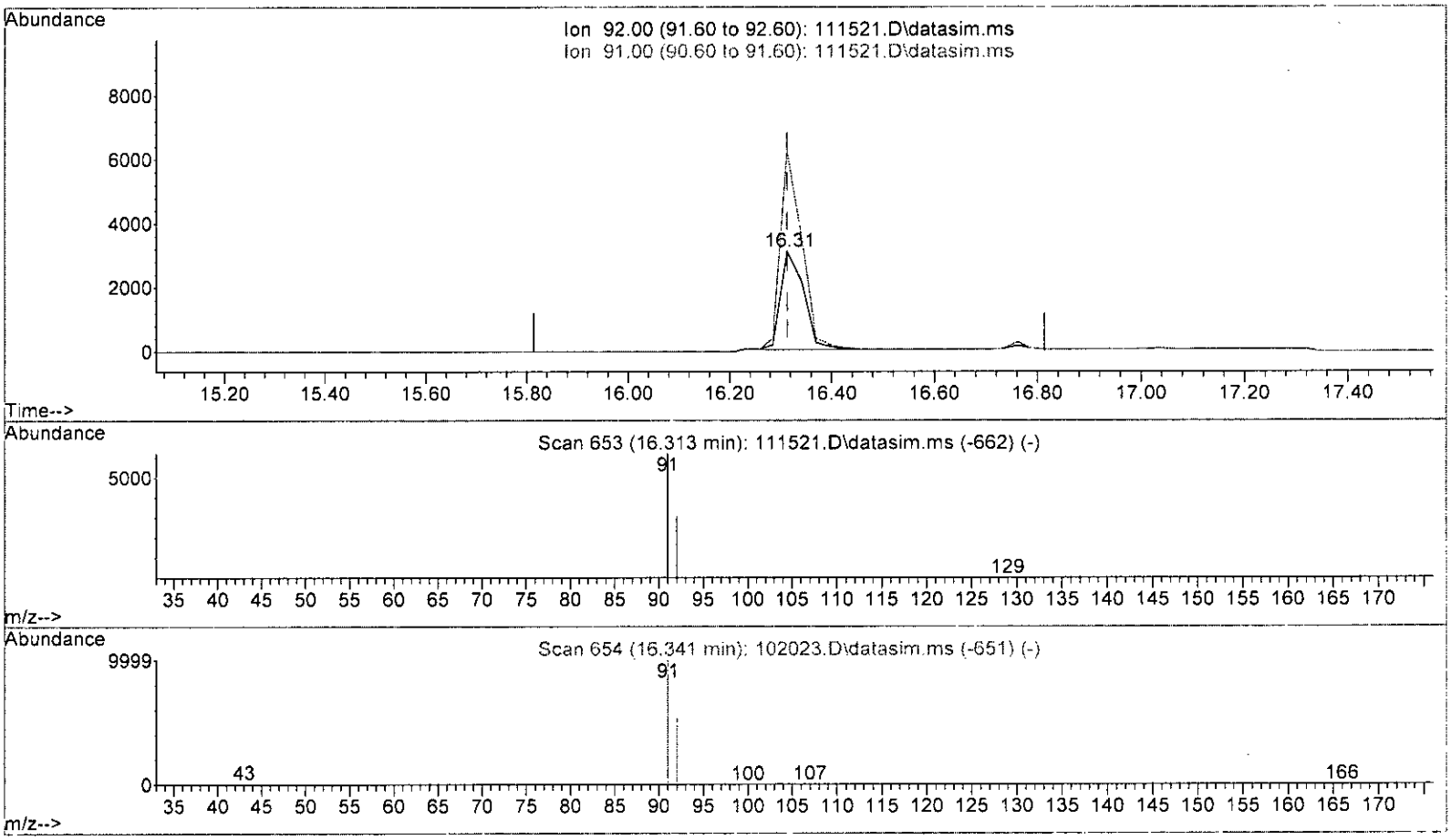
response 11107

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	200.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.489 ppbv m

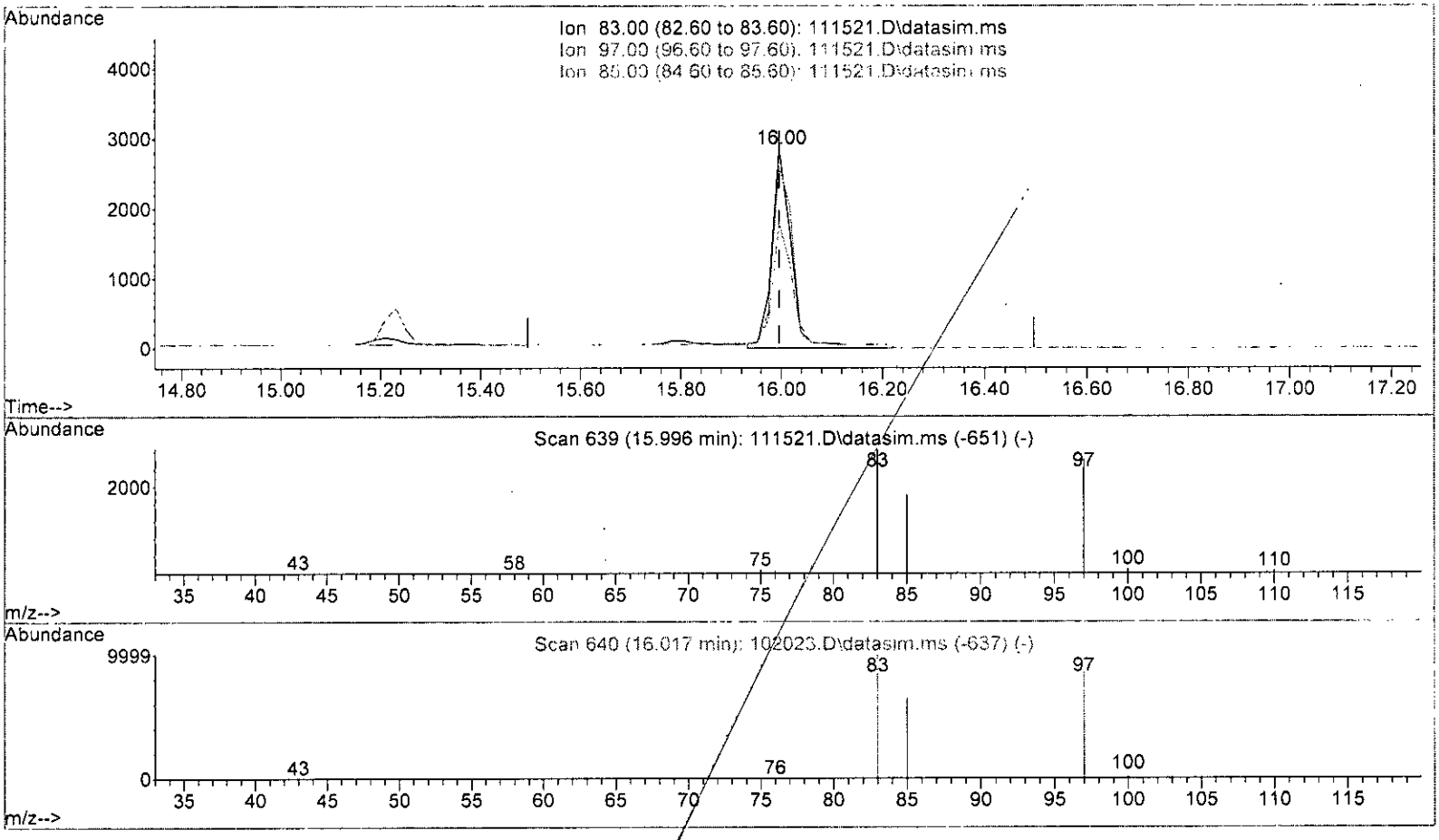
response 9760

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	200.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

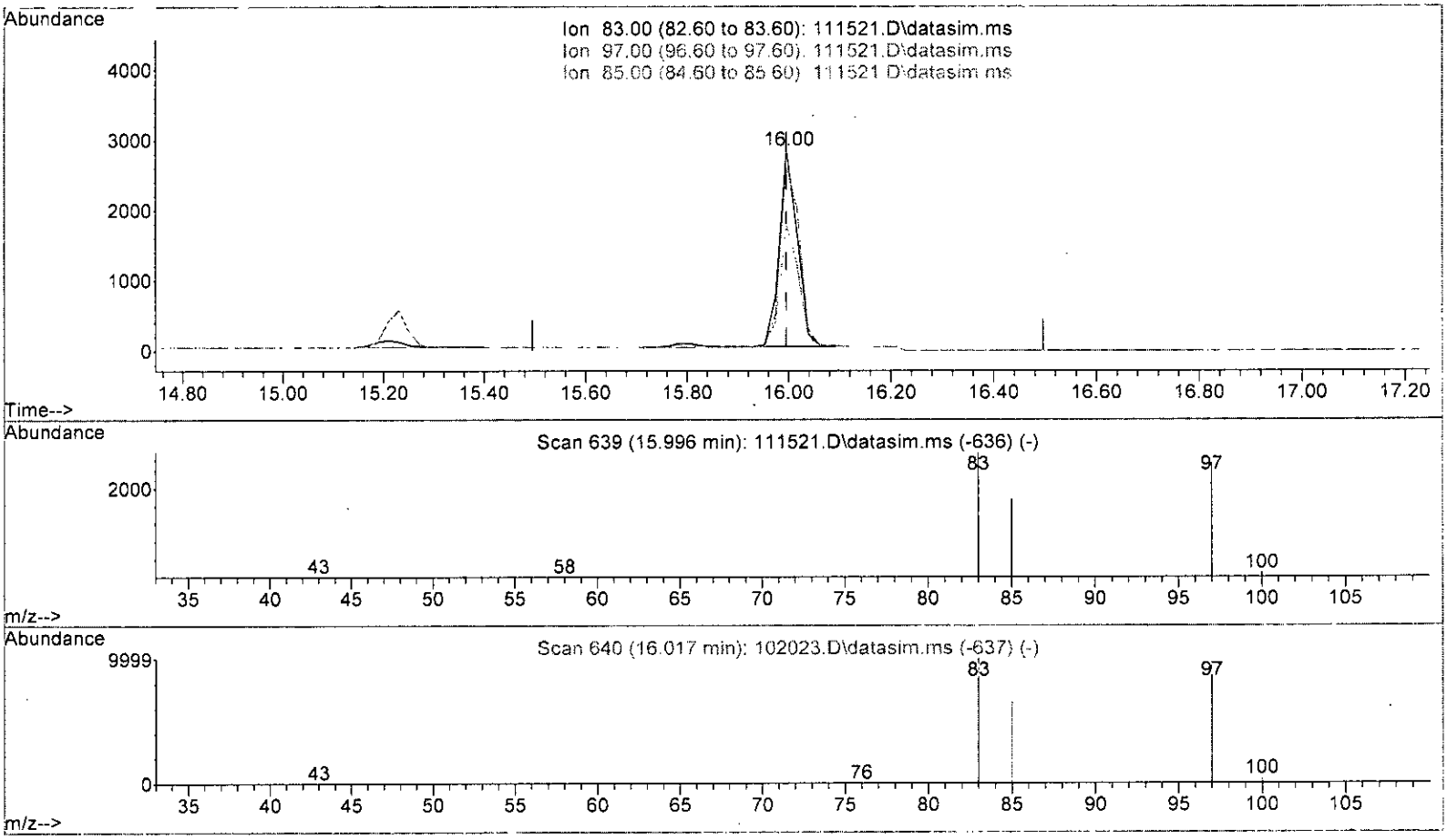
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.533 ppbv
response 7961

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	91.39
85.00	60.50	62.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.459 ppbv m

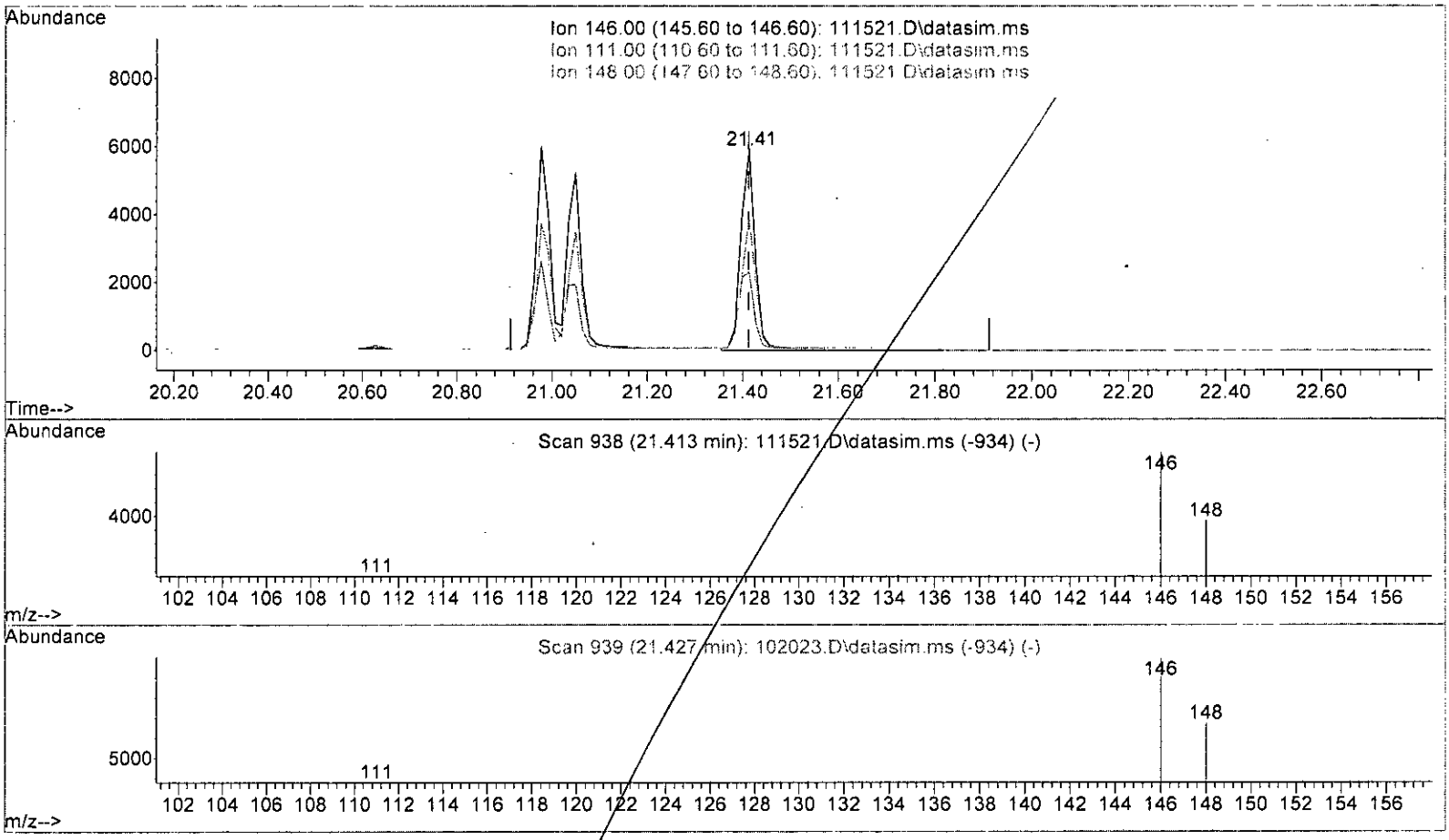
response 6878

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	91.39
85.00	60.50	62.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

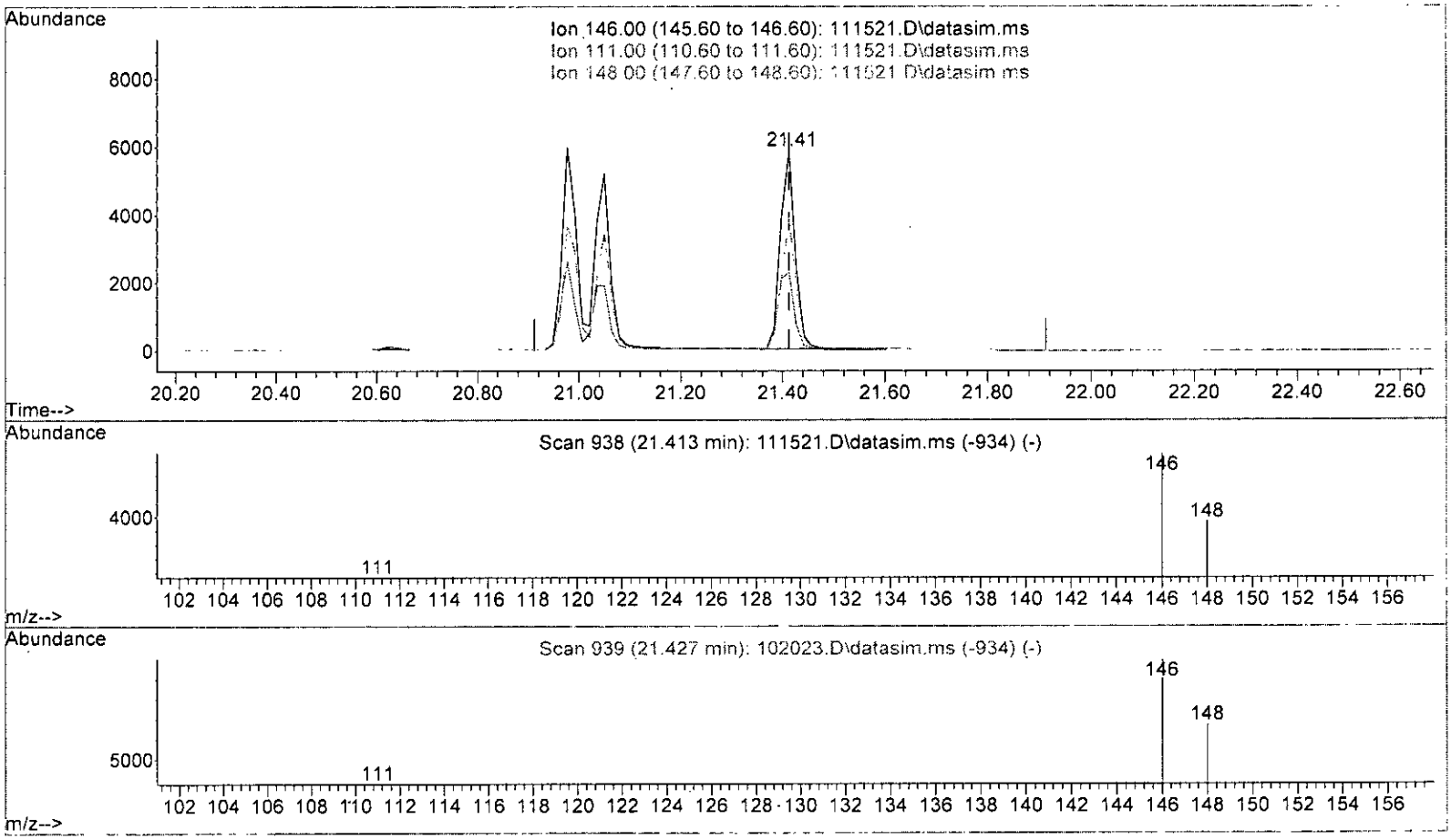
(75) 1,2-Dichlorobenzene (TMP)
21.413min (0.000) 0.517 ppbv
response 13096

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	39.23
148.00	63.20	66.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)
21.413min (0.000) 0.468 ppbv m
response 11857

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	39.23
148.00	63.20	66.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	62780	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	282561	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	247110	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	167120	9.759	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.60%			
Target Compounds							Qvalue
2) Propene	3.41	41	4242	0.427	ppbv		76
3) Dichlorodifluoromethane	3.49	85	12088	0.467	ppbv		95
4] Chloromethane	3.73	50	6232m	0.527	ppbv		
5) F-114	3.84	85	13815	0.522	ppbv		90
6] Vinyl chloride	4.05	62	5341	0.460	ppbv		100
7] 1,3-Butadiene	4.25	54	3388	0.444	ppbv	#	88
8) Butane	4.36	43	6502	0.474	ppbv	#	80
9) Bromomethane	4.60	94	5827	0.502	ppbv		97
10] Chloroethane	4.84	64	2091m	0.509	ppbv		
11] Vinyl bromide	5.30	106	4701m	0.465	ppbv		
12) Ethanol	4.96	45	2279	0.547	ppbv		84
13] Acrolein	5.38	56	2135m	0.467	ppbv		
14) Pentane	6.25	43	7908	0.512	ppbv		95
15) Trichlorofluoromethane	5.82	101	14988	0.499	ppbv		89
16) Acetone	5.57	58	2857	0.641	ppbv	#	40
17) 2-Propanol	5.78	45	9520	0.490	ppbv		89
18] 1,1-Dichloroethene	6.63	96	4794	0.464	ppbv		95
19] trans-1,2-Dichloroethene	8.07	96	4787	0.477	ppbv		99
20) Methylene chloride	6.78	84	4617	0.497	ppbv		93
21) t-Butyl alcohol (TBA)	6.57	59	8061	0.481	ppbv	#	75
22) 3-Chloropropene	6.94	41	5877	0.455	ppbv	#	78
23) CFC-113	7.15	101	10901	0.500	ppbv		96
24) Carbon disulfide	7.23	76	14652	0.452	ppbv		90
25) Methyl t-butyl ether (...	8.43	73	11016	0.511	ppbv		85
26) Vinyl acetate	8.54	43	9209m	0.386	ppbv		
27] 1,1-Dichloroethane	8.36	63	9817	0.468	ppbv		100
28] cis-1,2-Dichloroethene	9.62	96	4957	0.467	ppbv		88
29) Hexane	10.01	57	5959	0.459	ppbv		99
30] Chloroform	10.08	83	11798	0.479	ppbv		96
31) Ethyl acetate	9.92	43	10717m	0.451	ppbv		
32) Tetrahydrofuran	10.76	42	5217	0.459	ppbv		94
33) 2-Butanone (MEK)	8.88	72	1917	0.493	ppbv	#	50
34] 1,2-Dichloroethane (EDC)	11.34	62	7997	0.489	ppbv		98
35] 1,1,1-Trichloroethane	11.83	97	9916m	0.472	ppbv		
36) Carbon tetrachloride	0.00		0	N.D.	d		
37] Benzene	12.61	78	16358	0.444	ppbv		96
38) Cyclohexane	13.07	84	4321m	0.503	ppbv		
40] 1,2-Dichloropropane	13.80	63	7586	0.496	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

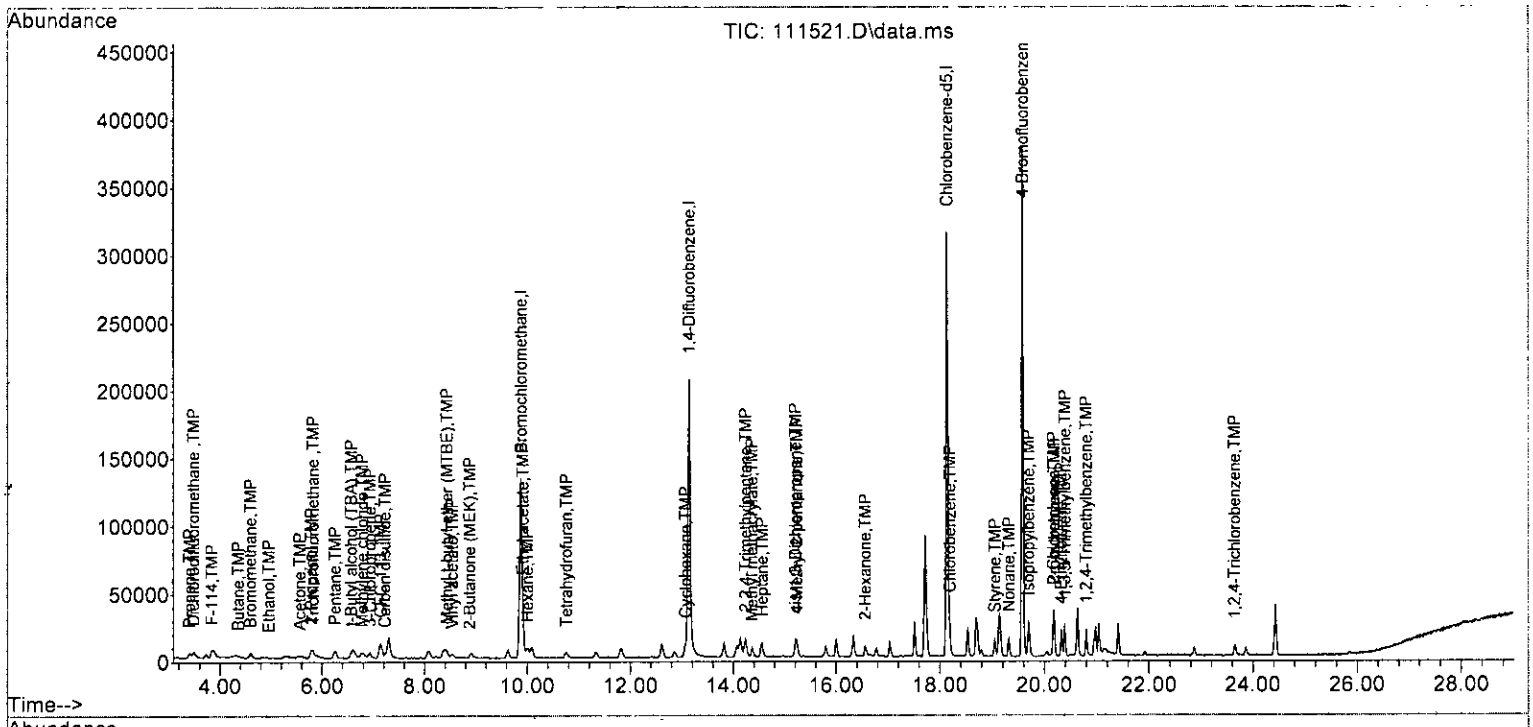
Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

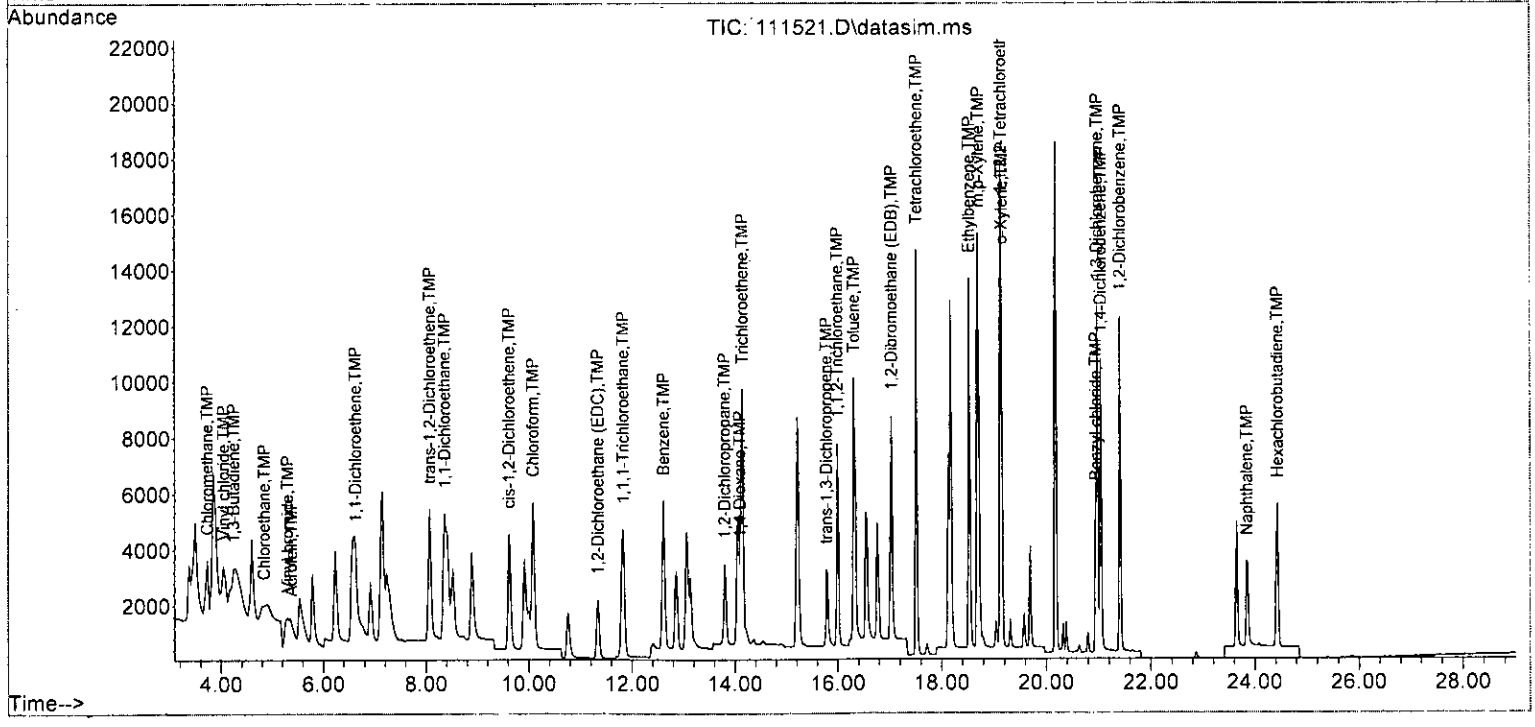
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	3307	0.508	ppbv		97
42) 2,2,4-Trimethylpentane	14.24	57	23406	0.518	ppbv	#	89
43) Methyl methacrylate	14.36	41	6480	0.473	ppbv		93
44) Heptane	14.56	43	8800	0.469	ppbv		94
45) Bromodichloromethane	0.00		0	N.D.	d		
46] Trichloroethene	14.14	95	8035	0.479	ppbv		96
47) cis-1,3-Dichloropropene	15.20	75	8156	0.482	ppbv		94
48) 4-Methyl-2-pentanone	15.23	100	530	0.424	ppbv	#	48
49] trans-1,3-Dichloropropene	15.78	75	7021	0.441	ppbv		83
50] Toluene	16.31	92	9760m	0.489	ppbv		
51] 1,1,2-Trichloroethane	16.00	83	6878m	0.459	ppbv		
52) 2-Hexanone	16.56	43	10310	0.431	ppbv		96
53] Tetrachloroethene	17.52	164	7301	0.528	ppbv		90
54) Dibromochloromethane	0.00		0	N.D.	d		
55] 1,2-Dibromoethane (EDB)	17.04	107	11473	0.521	ppbv		96
57) Chlorobenzene	18.19	112	14186	0.521	ppbv		96
58] Ethylbenzene	18.53	91	20591	0.457	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	15858	0.471	ppbv		93
60) Nonane	19.32	43	8158	0.337	ppbv	#	94
61) Isopropylbenzene	19.70	105	19999	0.452	ppbv		97
62) 2-Chlorotoluene	20.17	126	4873	0.440	ppbv		78
63) Propylbenzene	20.19	91	35474	0.436	ppbv		98
64) 4-Ethyltoluene	20.32	105	14983	0.376	ppbv		99
65] m,p-Xylene	18.70	106	13752	0.879	ppbv		95
66] o-Xylene	19.15	106	6766	0.445	ppbv		99
67) Styrene	19.05	104	9668	0.478	ppbv		94
68) Bromoform	0.00		0	N.D.	d		
70] Benzyl chloride	20.95	91	8022	0.289	ppbv		97
71) 1,3,5-Trimethylbenzene	20.39	105	14022	0.391	ppbv		88
72) 1,2,4-Trimethylbenzene	20.80	105	11406	0.407	ppbv		98
73] 1,3-Dichlorobenzene	20.98	146	11791	0.472	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	10042	0.429	ppbv		97
75] 1,2-Dichlorobenzene	21.41	146	11857m	0.468	ppbv		
76) 1,2,4-Trichlorobenzene	23.64	180	4328	0.305	ppbv		99
77] Naphthalene	23.84	128	8380	0.490	ppbv		97
78] Hexachlorobutadiene	24.44	225	12265	0.475	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
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Acq On : 16 Nov 2022 7:07 am
Operator : bat
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Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.500	0.427	14.6	100	0.00
3	TMP	Dichlorodifluoromethane	0.500	0.467	6.6	107	0.00
4	TMP	Chloromethane	0.500	0.527	-5.4	101	0.00
5	TMP	F-114	0.500	0.522	-4.4	101	-0.04
6	TMP	Vinyl chloride	0.500	0.460	8.0	100	-0.04
7	TMP	1,3-Butadiene	0.500	0.444	11.2	101	-0.04
8	TMP	Butane	0.500	0.474	5.2	100	0.04
9	TMP	Bromomethane	0.500	0.502	-0.4	100	0.00
10	TMP	Chloroethane	0.500	0.509	-1.8	105	0.00
11	TMP	Vinyl bromide	0.500	0.465	7.0	91	-0.02
12	TMP	Ethanol	0.500	0.547	-9.4	100	0.00
13	TMP	Acrolein	0.500	0.467	6.6	98	-0.04
14	TMP	Pentane	0.500	0.512	-2.4	100	0.00
15	TMP	Trichlorofluoromethane	0.500	0.499	0.2	100	-0.02
16	TMP	Acetone	0.500	0.641	-28.2	100	0.00
17	TMP	2-Propanol	0.500	0.490	2.0	100	0.00
18	TMP	1,1-Dichloroethene	0.500	0.464	7.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.500	0.477	4.6	100	-0.03
20	TMP	Methylene chloride	0.500	0.497	0.6	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	0.500	0.481	3.8	100	0.00
22	TMP	3-Chloropropene	0.500	0.455	9.0	100	0.00
23	TMP	CFC-113	0.500	0.500	0.0	100	0.00
24	TMP	Carbon disulfide	0.500	0.452	9.6	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	0.500	0.511	-2.2	100	0.00
26	TMP	Vinyl acetate	0.500	0.386	22.8	100	0.00
27	TMP	1,1-Dichloroethane	0.500	0.468	6.4	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.500	0.467	6.6	100	-0.02
29	TMP	Hexane	0.500	0.459	8.2	100	0.00
30	TMP	Chloroform	0.500	0.479	4.2	100	-0.02
31	TMP	Ethyl acetate	0.500	0.451	9.8	100	0.00
32	TMP	Tetrahydrofuran	0.500	0.459	8.2	100	0.00
33	TMP	2-Butanone (MEK)	0.500	0.493	1.4	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	0.500	0.489	2.2	106	0.00
35	TMP	1,1,1-Trichloroethane	0.500	0.472	5.6	104	0.00
36	TMP	Carbon tetrachloride	0.500	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.500	0.444	11.2	100	0.00
38	TMP	Cyclohexane	0.500	0.503	-0.6	108	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.500	0.496	0.8	104	0.00
41	TMP	1,4-Dioxane	0.500	0.508	-1.6	100	0.00
42	TMP	2,2,4-Trimethylpentane	0.500	0.518	-3.6	100	0.00
43	TMP	Methyl methacrylate	0.500	0.473	5.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.500	0.469	6.2	100	0.00
45	TMP	Bromodichloromethane	0.500	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.500	0.479	4.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.500	0.482	3.6	100	0.00
48	TMP	4-Methyl-2-pentanone	0.500	0.424	15.2	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.500	0.441	11.8	100	0.00
50	TMP	Toluene	0.500	0.489	2.2	102	0.00
51	TMP	1,1,2-Trichloroethane	0.500	0.459	8.2	99	0.00
52	TMP	2-Hexanone	0.500	0.431	13.8	100	0.00
53	TMP	Tetrachloroethene	0.500	0.528	-5.6	100	0.00
54	TMP	Dibromochloromethane	0.500	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	108	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.500	0.521	-4.2	100	0.00
58	TMP	Ethylbenzene	0.500	0.457	8.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
60	TMP	Nonane	0.500	0.337	32.6#	100	0.02
61	TMP	Isopropylbenzene	0.500	0.452	9.6	100	0.00
62	TMP	2-Chlorotoluene	0.500	0.440	12.0	100	0.00
63	TMP	Propylbenzene	0.500	0.436	12.8	100	0.00
64	TMP	4-Ethyltoluene	0.500	0.376	24.8	100	0.00
65	TMP	m,p-Xylene	1.000	0.879	12.1	100	0.00
66	TMP	o-Xylene	0.500	0.445	11.0	100	0.00
67	TMP	Styrene	0.500	0.478	4.4	100	0.00
68	TMP	Bromoform	0.500	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.759	2.4	100	0.00
70	TMP	Benzyl chloride	0.500	0.289	42.2#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.500	0.391	21.8	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.500	0.407	18.6	100	0.00
73	TMP	1,3-Dichlorobenzene	0.500	0.472	5.6	100	0.00
74	TMP	1,4-Dichlorobenzene	0.500	0.429	14.2	100	0.00
75	TMP	1,2-Dichlorobenzene	0.500	0.468	6.4	102	0.00
76	TMP	1,2,4-Trichlorobenzene	0.500	0.305	39.0#	100	0.00
77	TMP	Naphthalene	0.500	0.490	2.0	100	0.00
78	TMP	Hexachlorobutadiene	0.500	0.475	5.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.351	13.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.851	6.6	107	0.00
4	TMP	Chloromethane	1.882	1.985	-5.5	101	0.00
5	TMP	F-114	4.217	4.401	-4.4	101	-0.04
6	TMP	Vinyl chloride	1.851	1.701	8.1	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.079	11.3	101	-0.04
8	TMP	Butane	2.183	2.071	5.1	100	0.04
9	TMP	Bromomethane	1.847	1.856	-0.5	100	0.00
10	TMP	Chloroethane	0.655	0.666	-1.7	105	0.00
11	TMP	Vinyl bromide	1.609	1.498	6.9	91	-0.02
12	TMP	Ethanol	0.663	0.726	-9.5	100	0.00
13	TMP	Acrolein	0.729	0.680	6.7	98	-0.04
14	TMP	Pentane	2.461	2.519	-2.4	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.775	0.1	100	-0.02
16	TMP	Acetone	0.710	0.910	-28.2	100	0.00
17	TMP	2-Propanol	3.096	3.033	2.0	100	0.00
18	TMP	1,1-Dichloroethene	1.645	1.527	7.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.525	4.6	100	-0.03
20	TMP	Methylene chloride	1.479	1.471	0.5	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.668	2.568	3.7	100	0.00
22	TMP	3-Chloropropene	2.056	1.872	8.9	100	0.00
23	TMP	CFC-113	3.469	3.473	-0.1	100	0.00
24	TMP	Carbon disulfide	5.167	4.668	9.7	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.509	-2.2	100	0.00
26	TMP	Vinyl acetate	3.801	2.934	22.8	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.127	6.4	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.579	6.6	100	-0.02
29	TMP	Hexane	2.068	1.898	8.2	100	0.00
30	TMP	Chloroform	4.060	3.759	7.4	100	-0.02
31	TMP	Ethyl acetate	3.789	3.414	9.9	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.662	8.1	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.611	1.3	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.548	5.2	106	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.159	5.5	104	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	5.211	8.4	100	0.00
38	TMP	Cyclohexane	1.367	1.377	-0.7	108	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.537	0.7	104	0.00
41	TMP	1,4-Dioxane	0.230	0.234	-1.7	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.657	-3.7	100	0.00
43	TMP	Methyl methacrylate	0.485	0.459	5.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

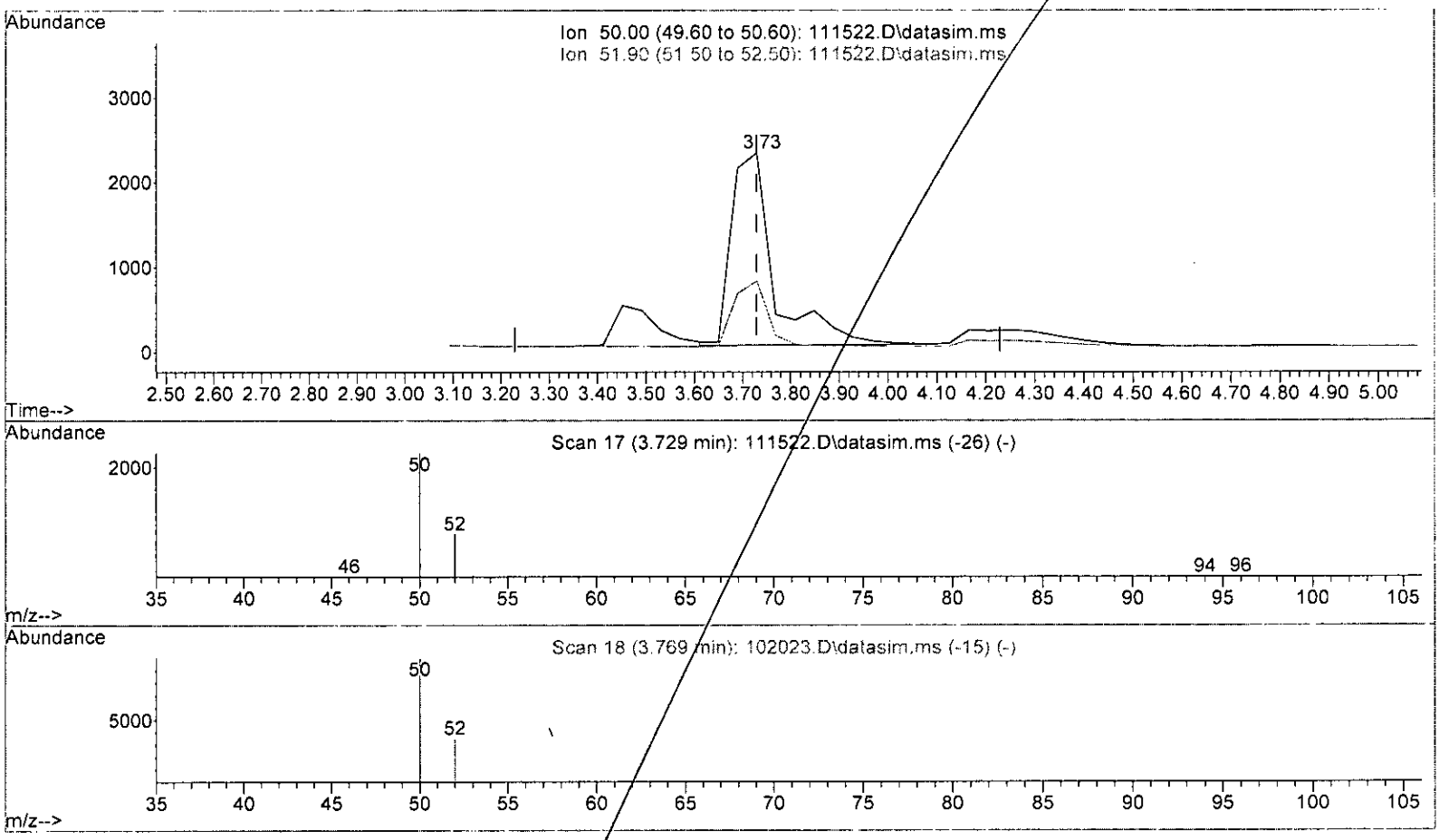
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.623	6.0	100	0.00
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.569	4.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.577	3.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.038	13.6	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.497	11.7	100	0.00
50	TMP	Toluene	0.707	0.691	2.3	102	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.487	11.5	99	0.00
52	TMP	2-Hexanone	0.846	0.730	13.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.517	-5.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.812	1.5	108	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.148	-4.3	100	0.00
58	TMP	Ethylbenzene	1.968	1.667	15.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.283	8.0	100	0.00
60	TMP	Nonane	0.981	0.660	32.7#	100	0.02
61	TMP	Isopropylbenzene	1.792	1.619	9.7	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.394	12.1	100	0.00
63	TMP	Propylbenzene	3.292	2.871	12.8	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.213	24.7	100	0.00
65	TMP	m,p-Xylene	0.633	0.557	12.0	100	0.00
66	TMP	o-Xylene	0.615	0.548	10.9	100	0.00
67	TMP	Styrene	0.819	0.782	4.5	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.676	2.5	100	0.00
70	TMP	Benzyl chloride	0.987	0.649	34.2#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.135	21.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	0.923	26.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.954	5.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.813	14.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.960	6.3	102	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.350	44.1#	100	0.00
77	TMP	Naphthalene	1.132	0.678	40.1#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.993	5.0	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 1.190 ppbv

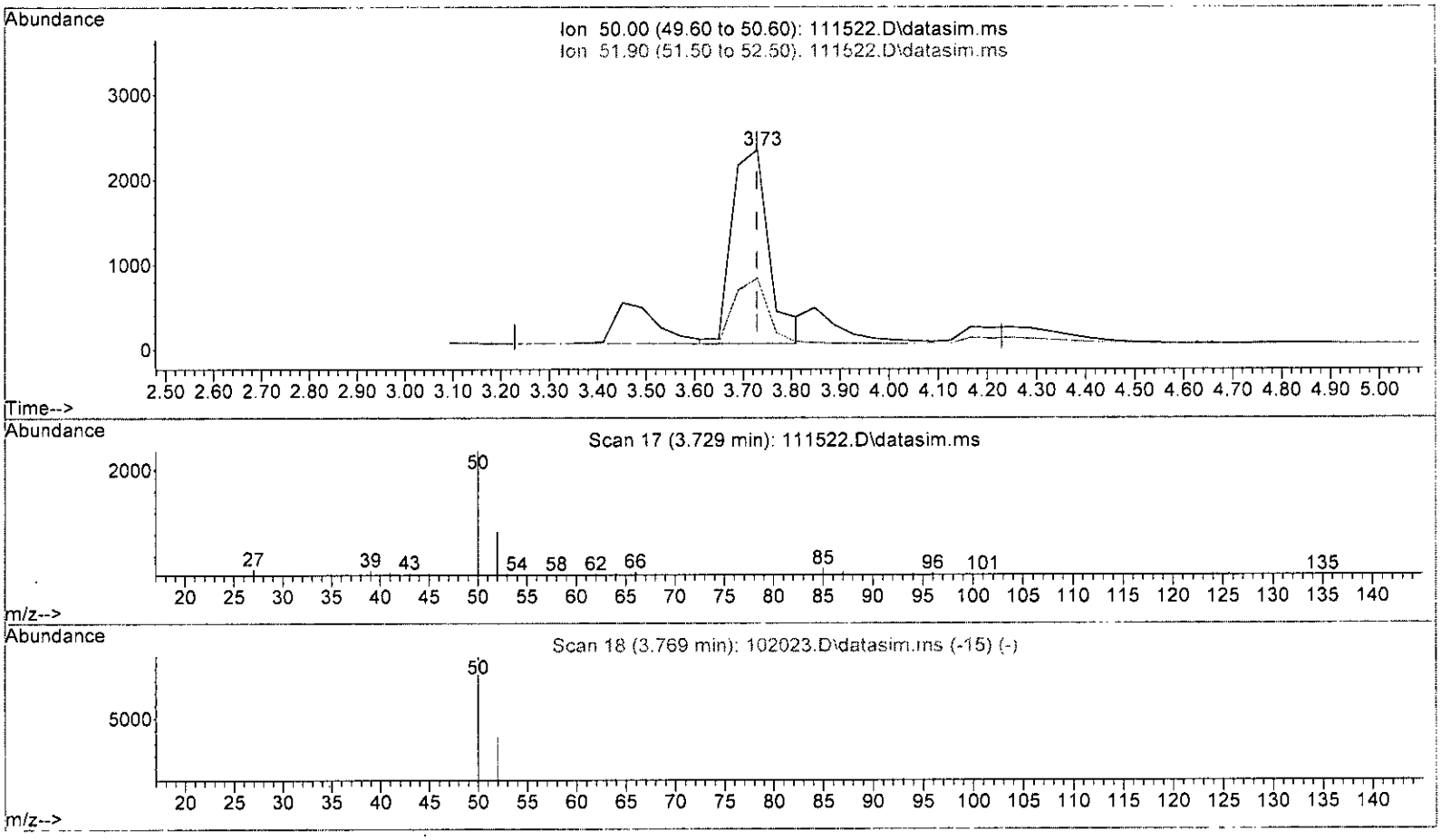
response 13862

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 1.051 ppbv m

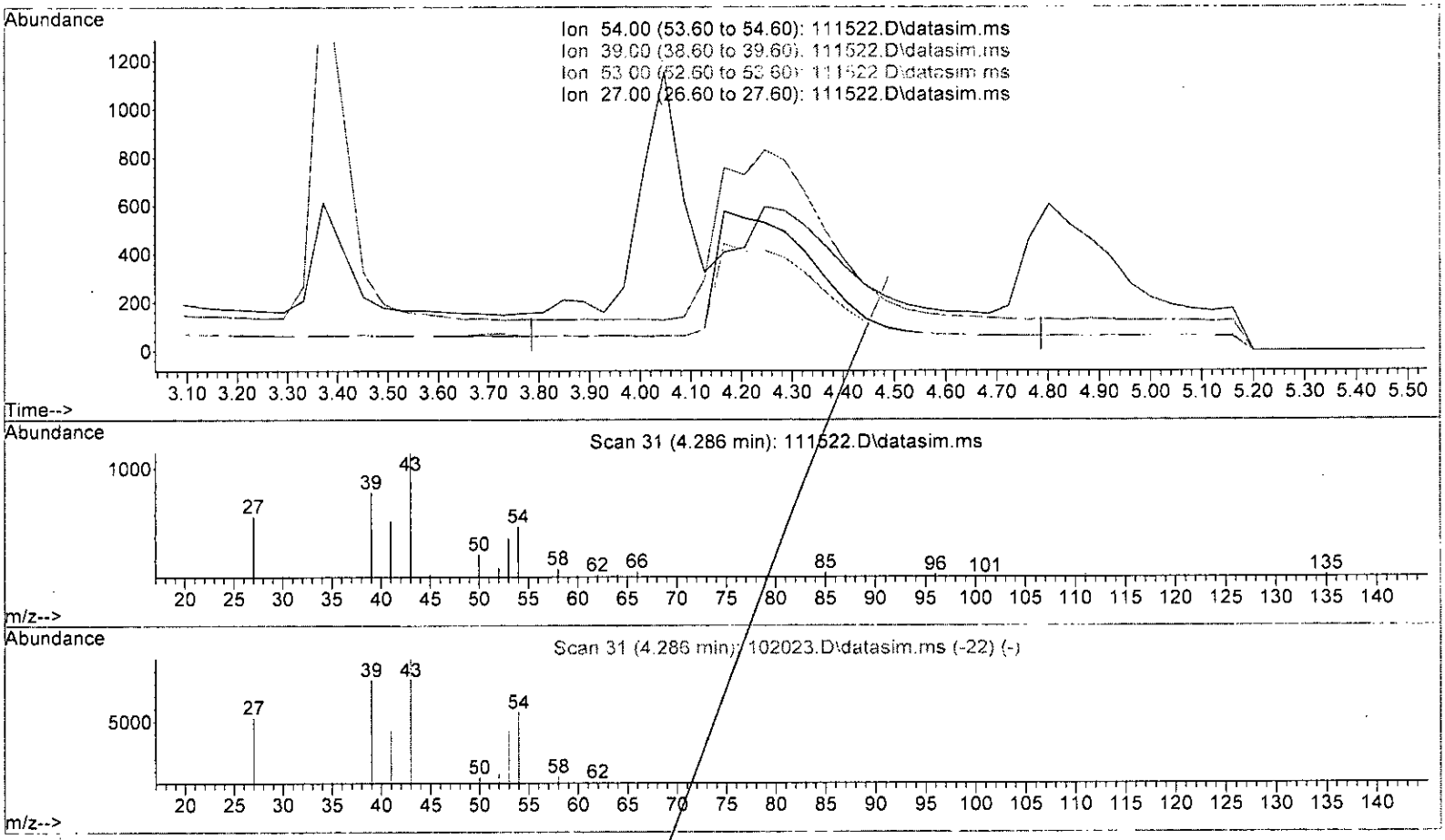
response 12248

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	35.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

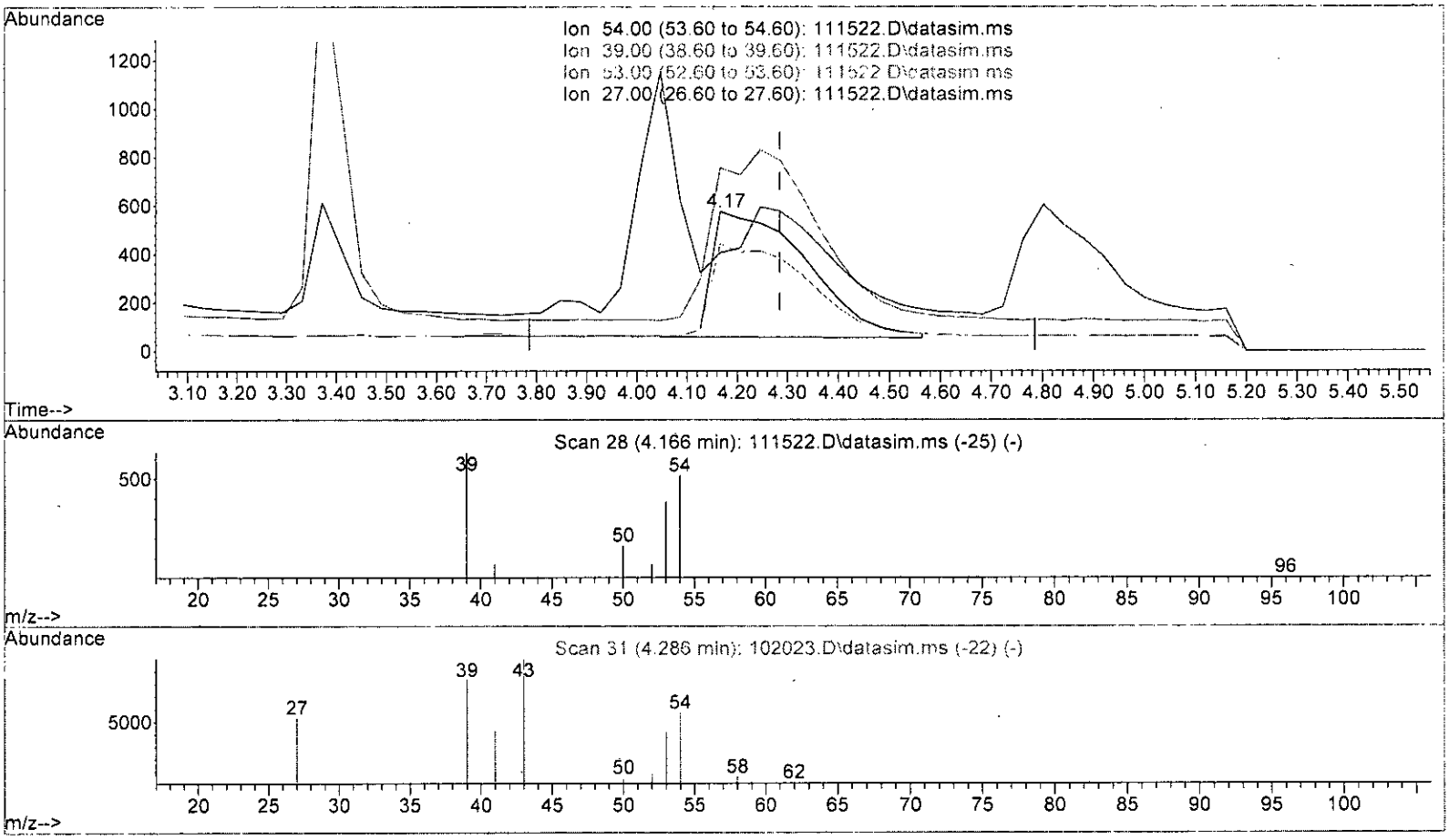
(7) 1,3-Butadiene (TMP)
4.286min (-4.286) 0.000 ppbv
response 0

Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(7) 1,3-Butadiene (TMP)

4.166min (-0.120) 0.903 ppbv m

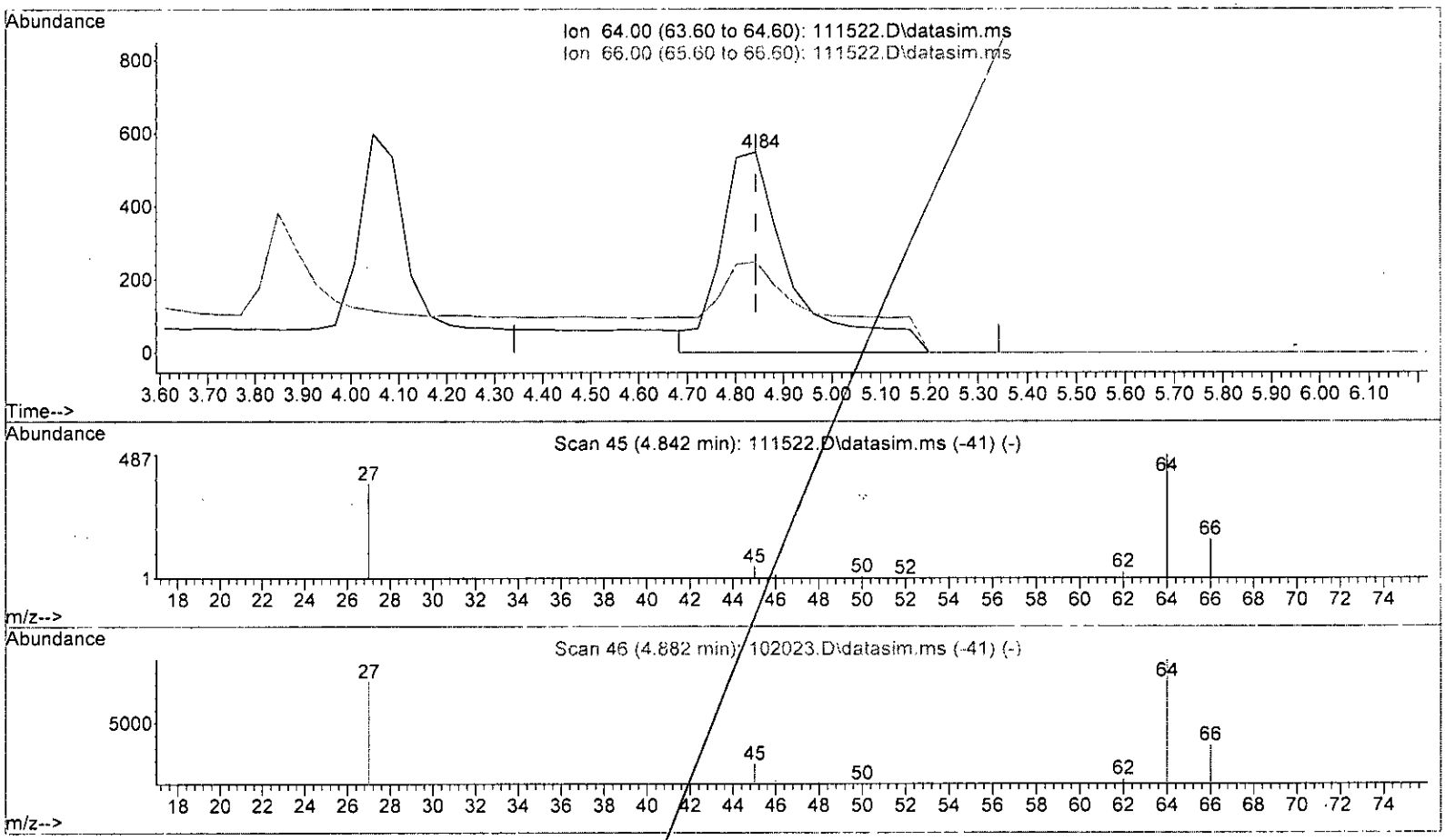
response 6793

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	131.48
53.00	72.40	76.70
27.00	0.00	70.61#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

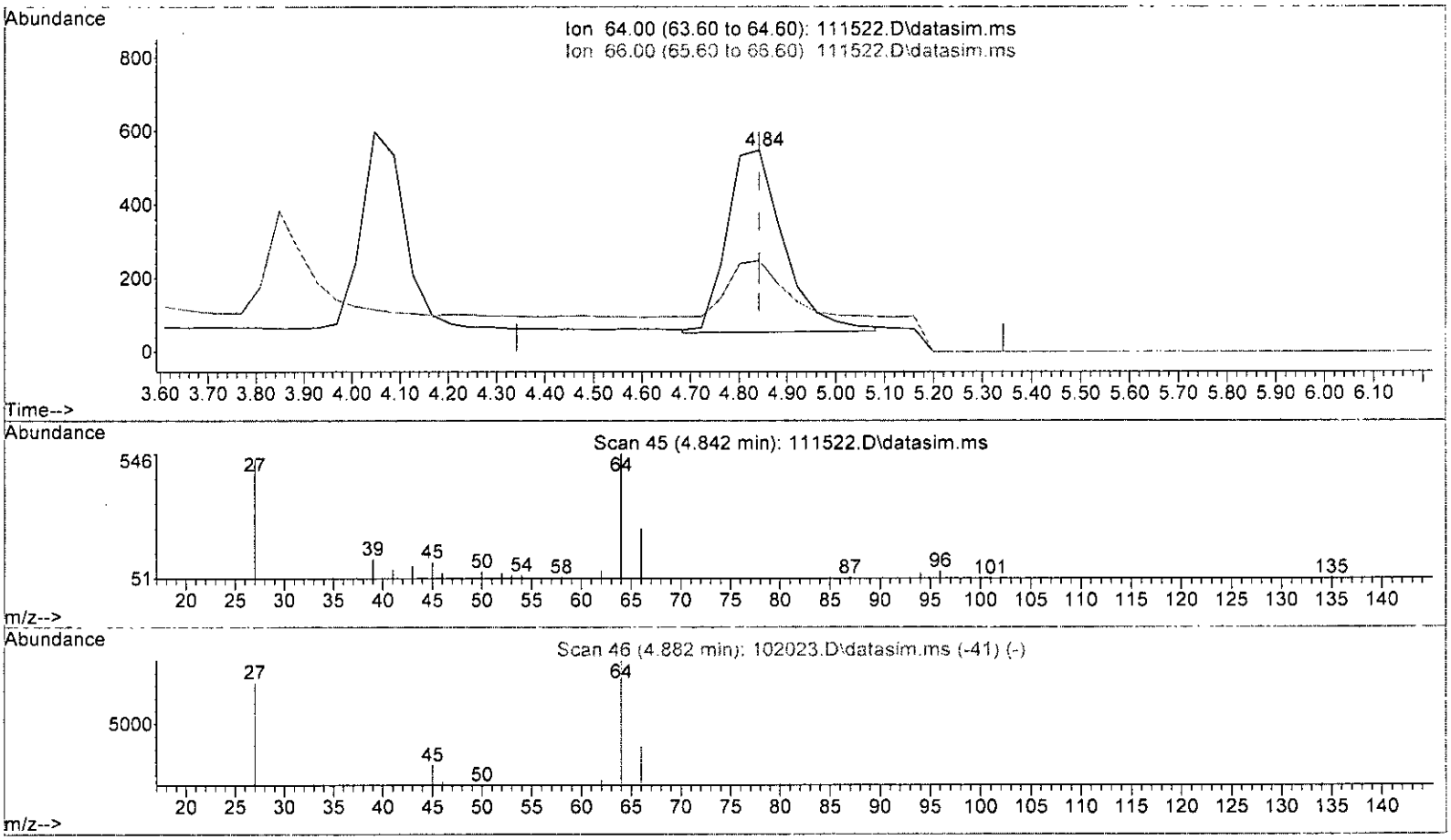
(10) Chloroethane (TMP)
4.842min (-0.000) 1.336 ppbv
response 5411

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	45.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.997 ppbv m

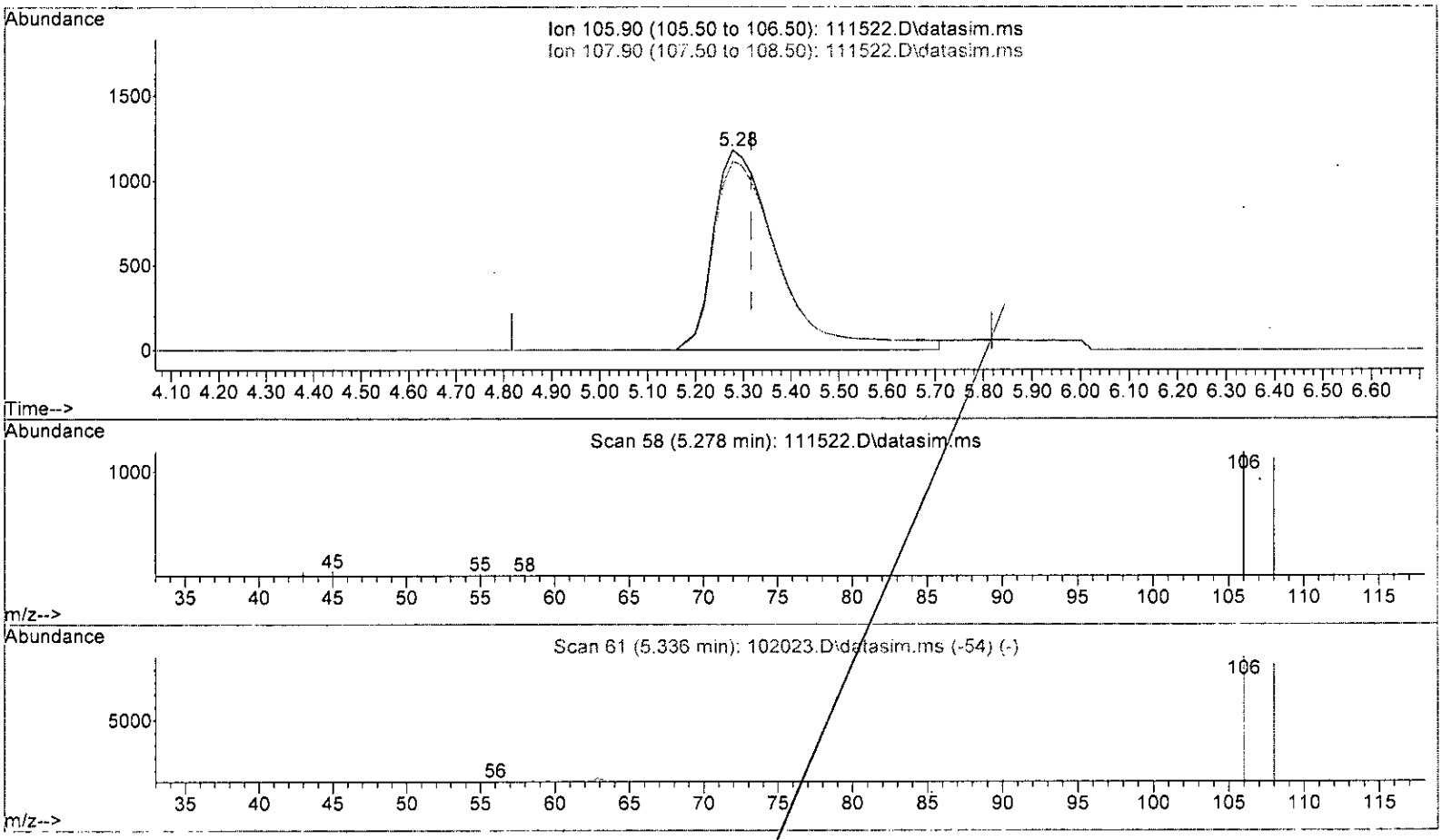
response 4039

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	45.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

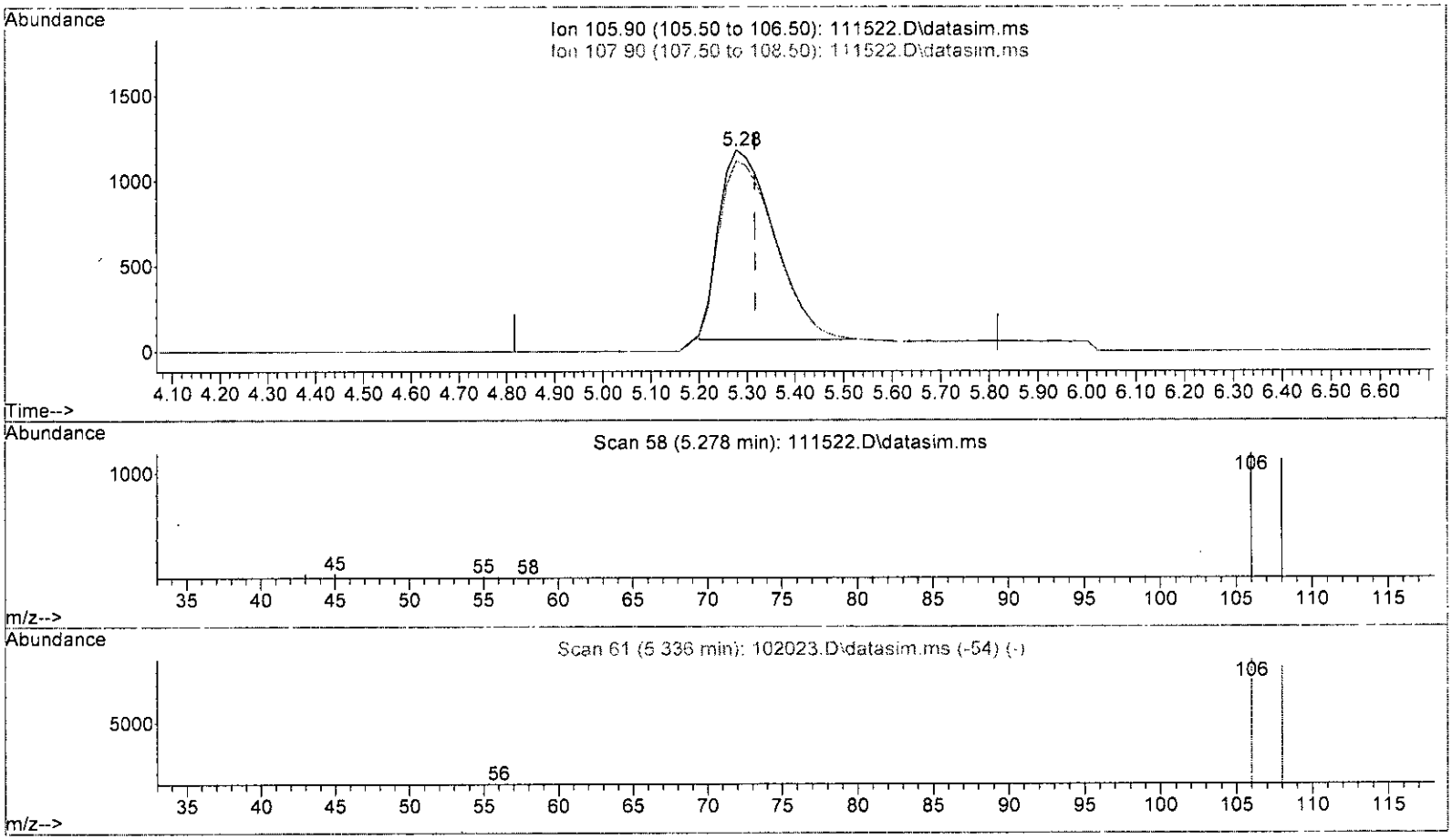
(11) Vinyl bromide (TMP)
5.278min (-0.039) 1.183 ppbv
response 11781

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	95.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(11) Vinyl bromide (TMP)

5.278min (-0.039) 0.894 ppbv m

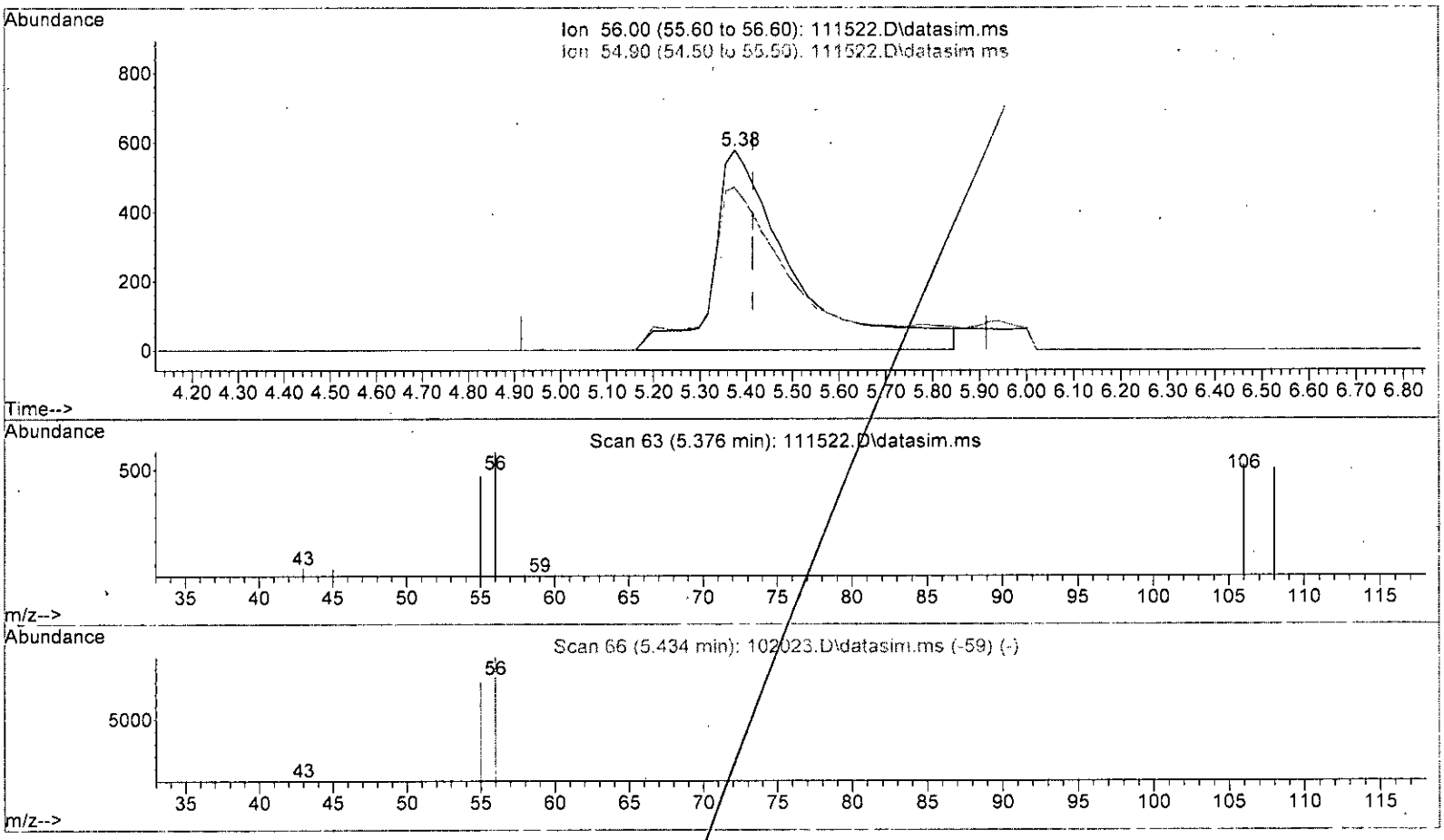
response 8908

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	126.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 1.588 ppbv

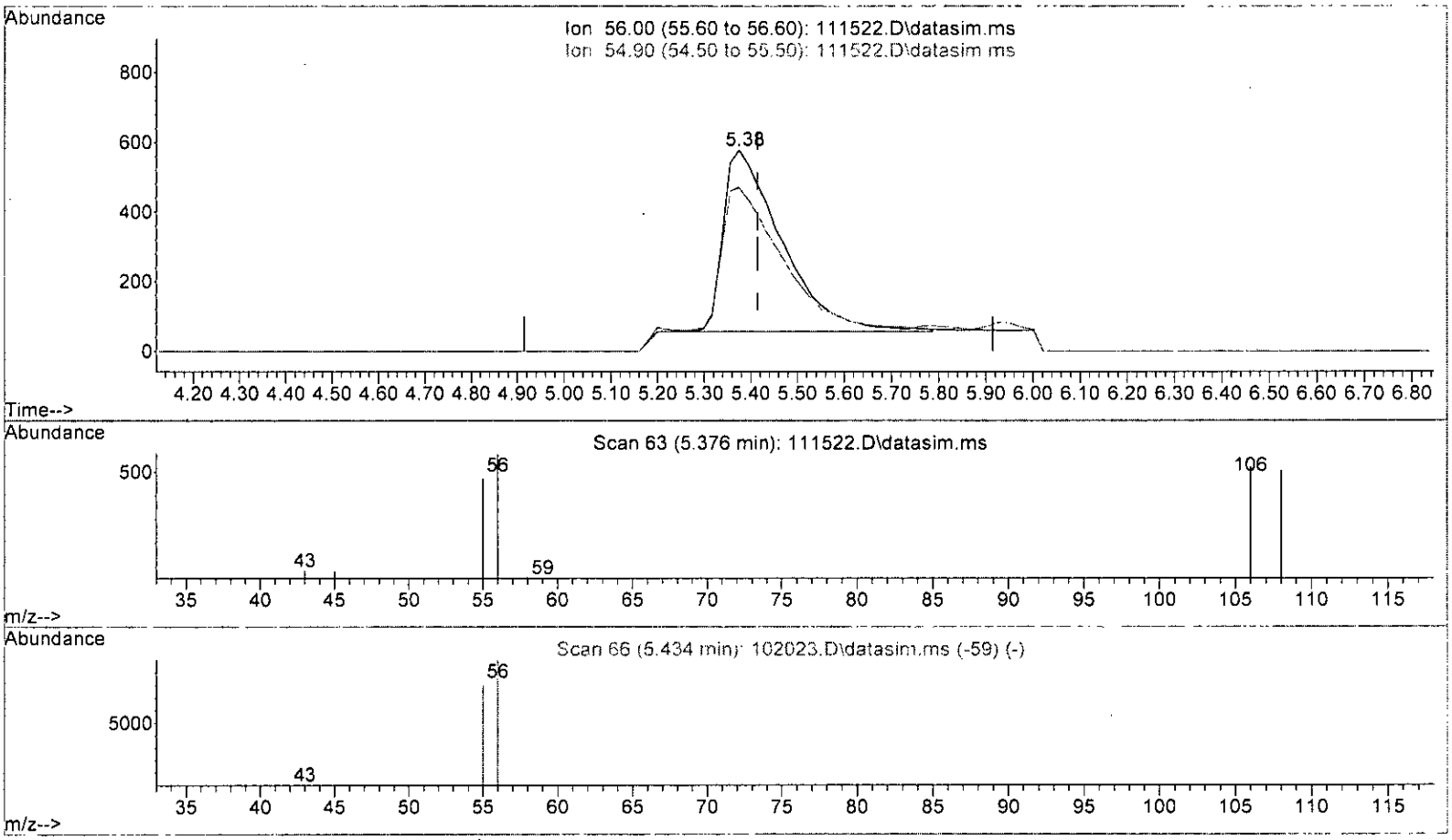
response 7163

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	61.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 1.000 ppbv m

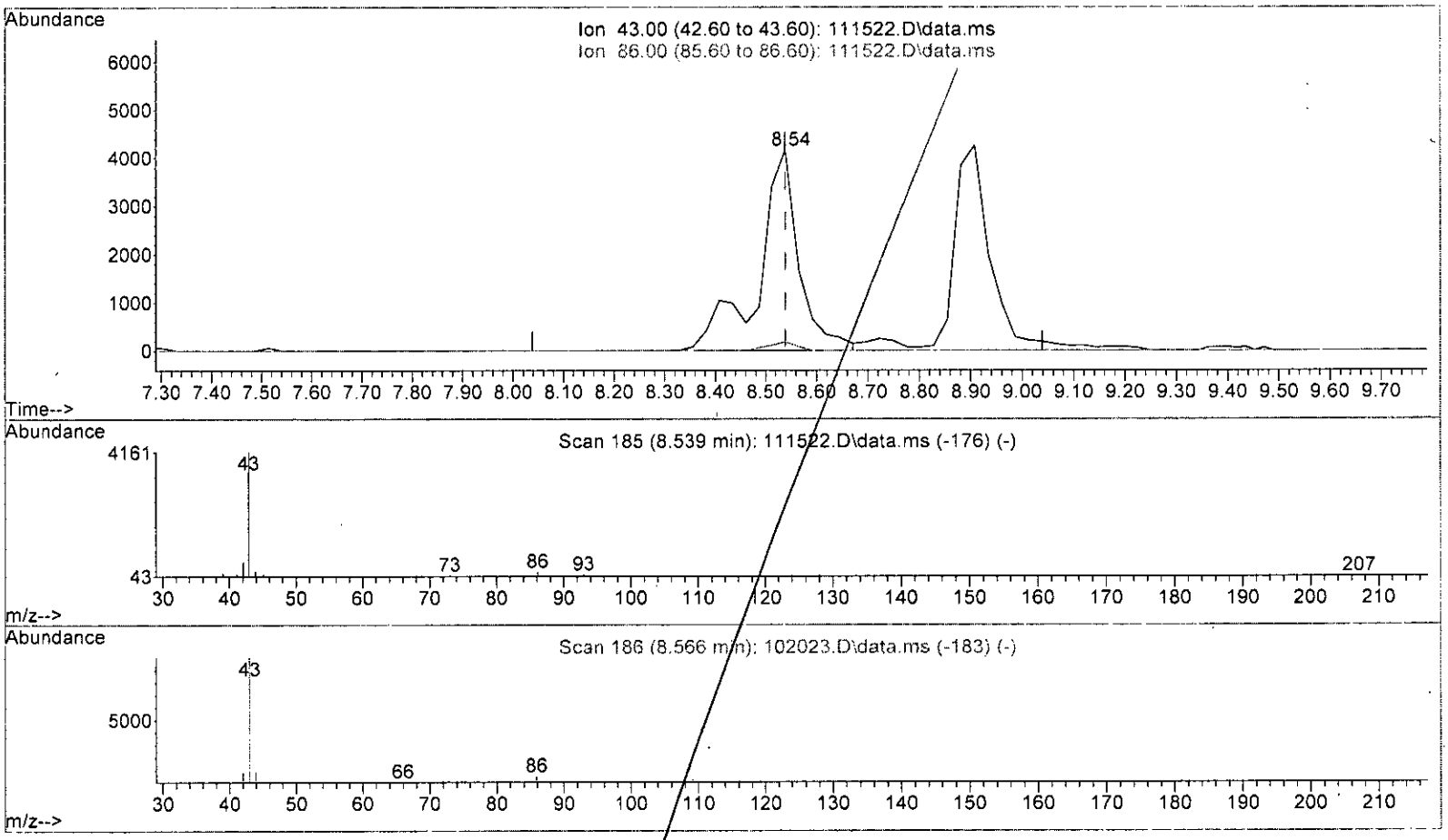
response 4512

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	97.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

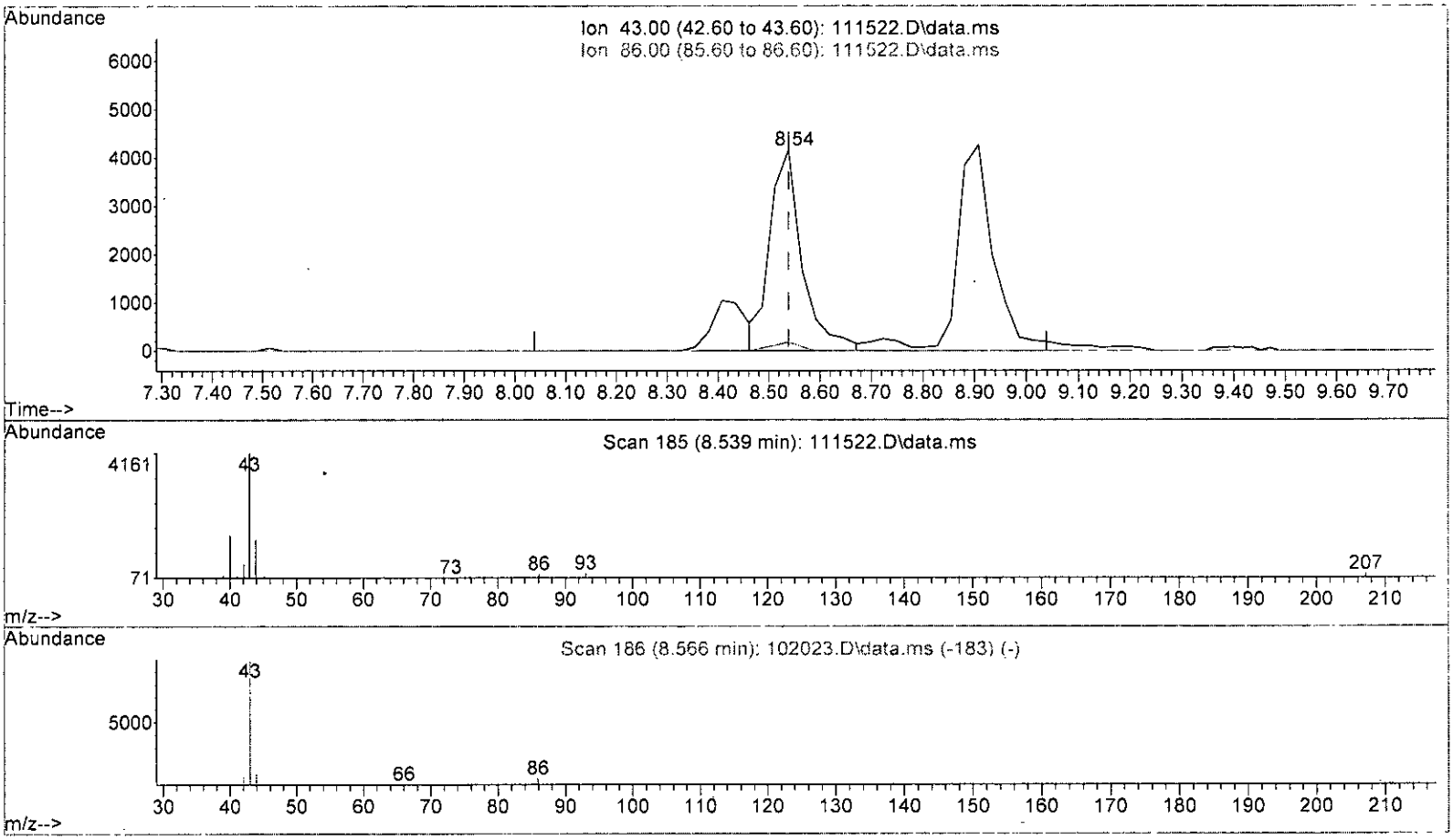
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.976 ppbv
response 22967

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

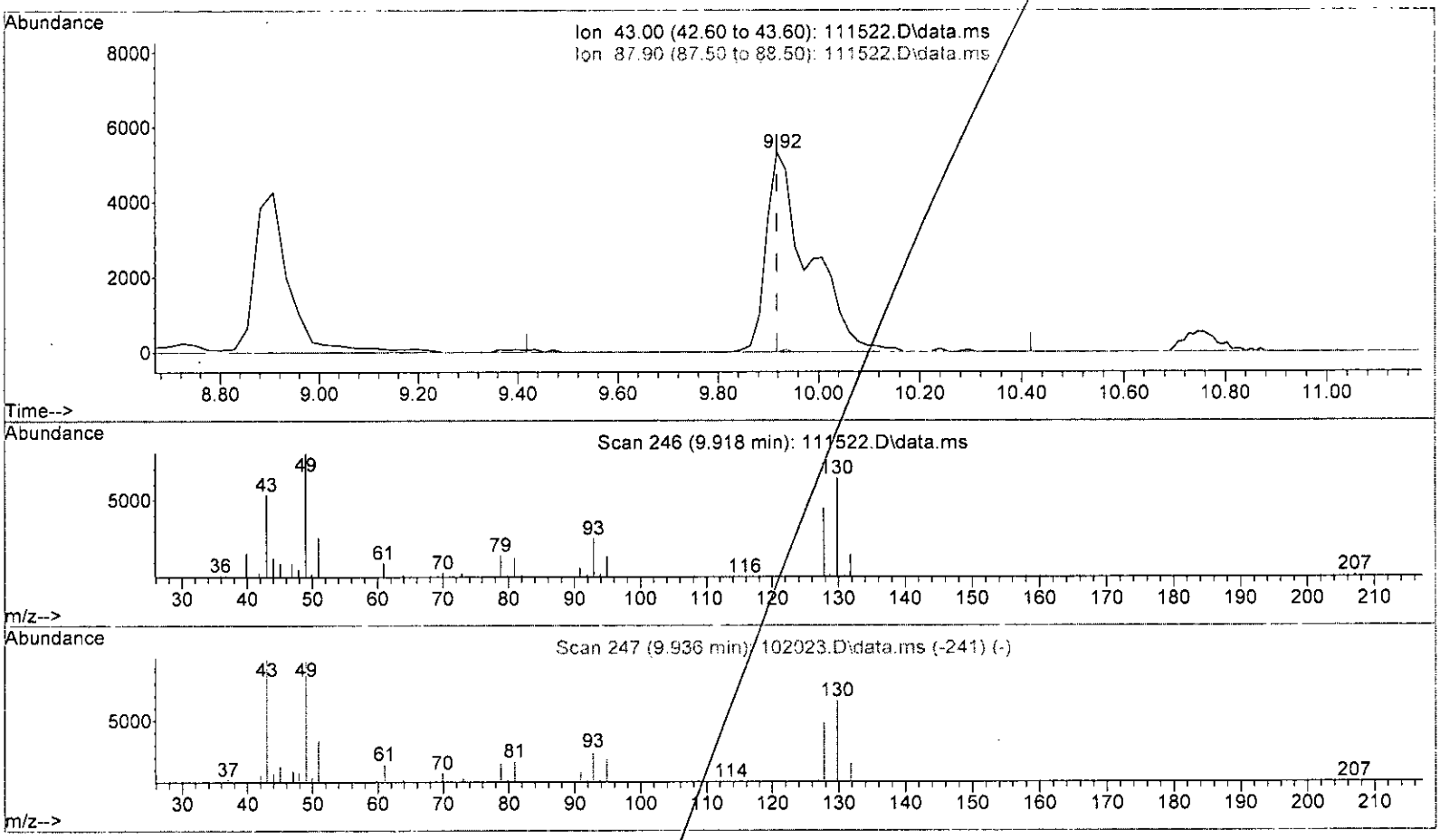
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.771 ppbv m
response 18137

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

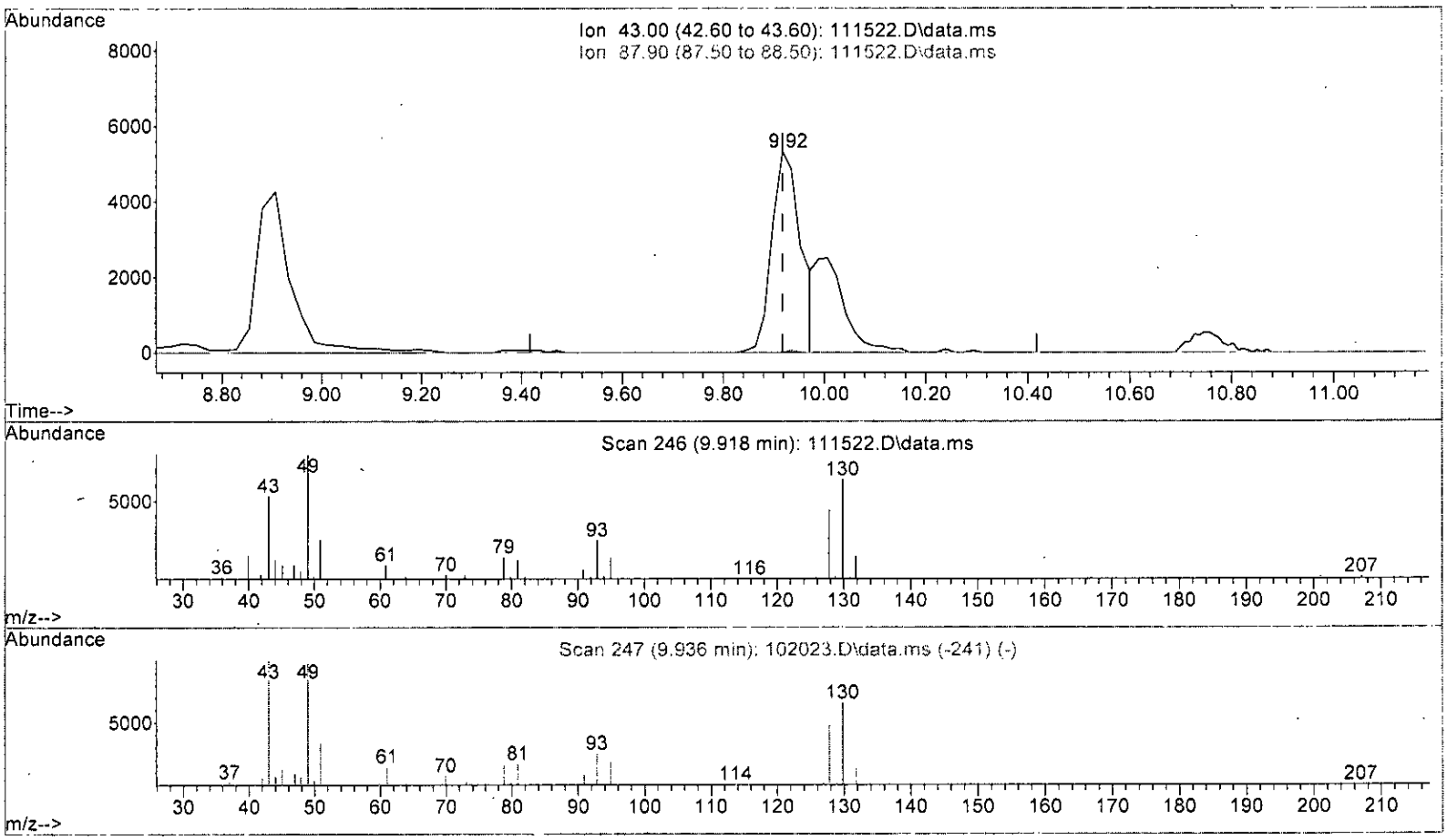
(31) Ethyl acetate (TMP)
9.918min (-0.000) 1.337 ppbv
response 31344

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

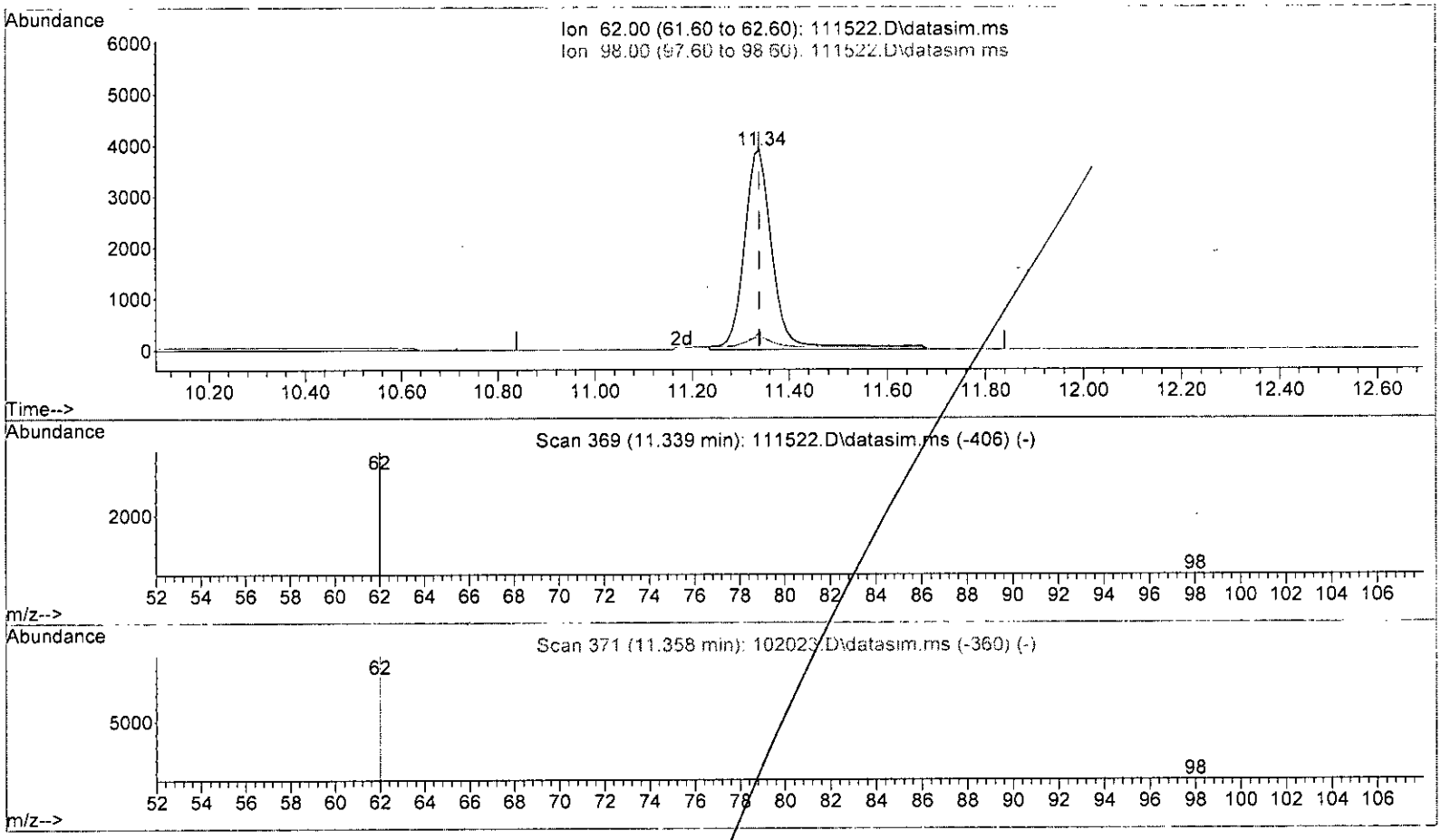
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.909 ppbv m
response 21319

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 1.011 ppbv

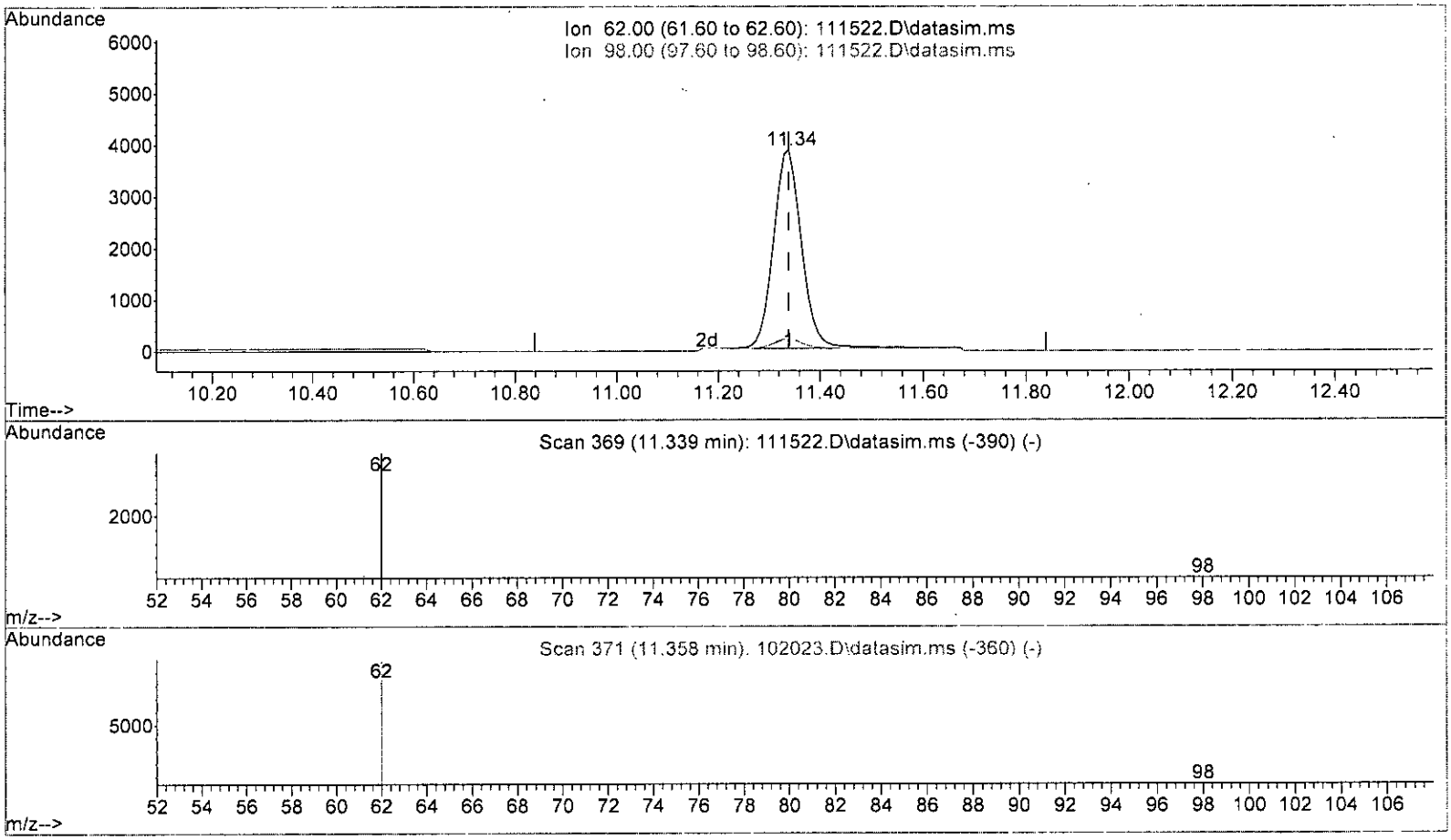
response 16184

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.920 ppbv m

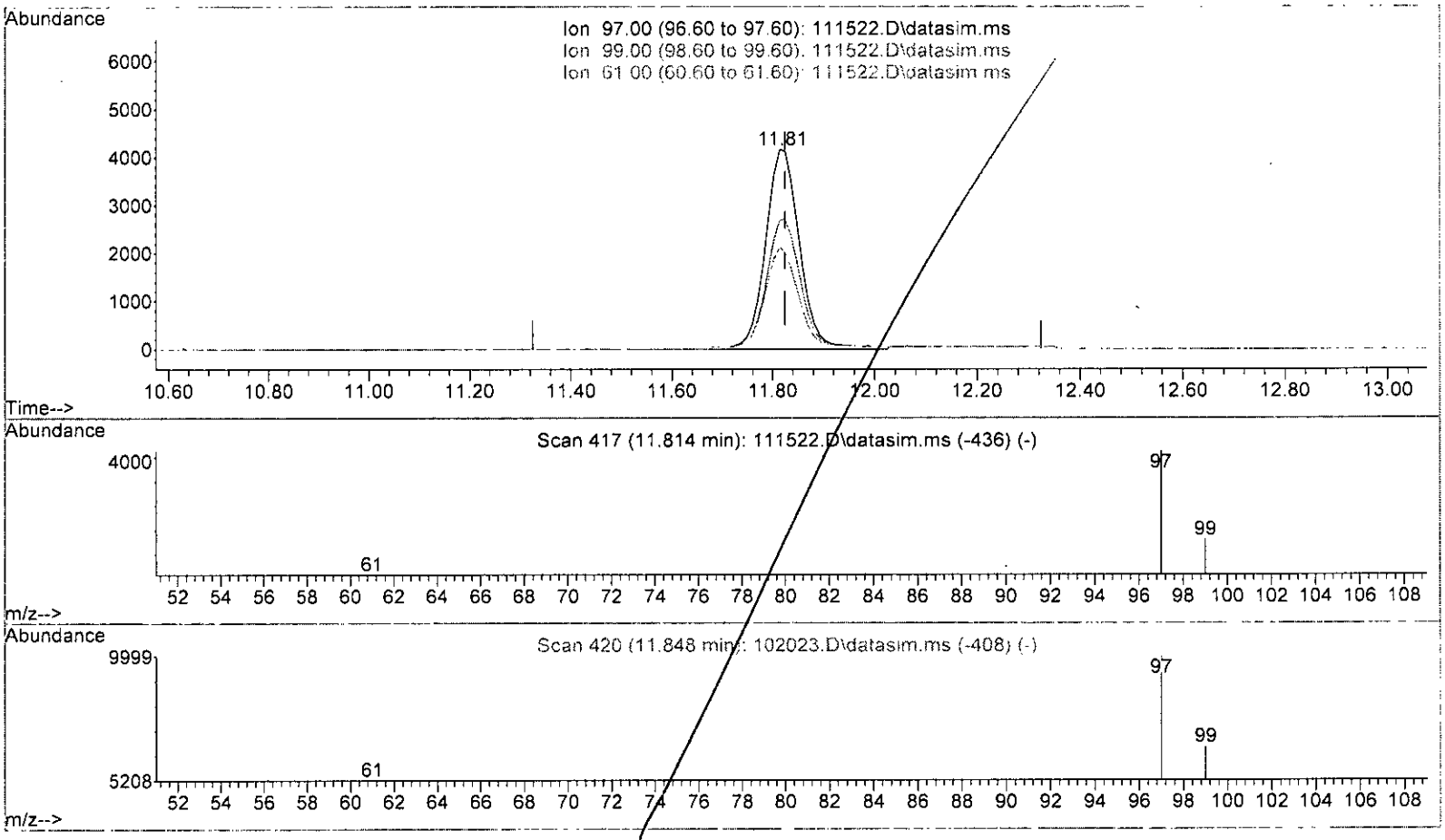
response 14741

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

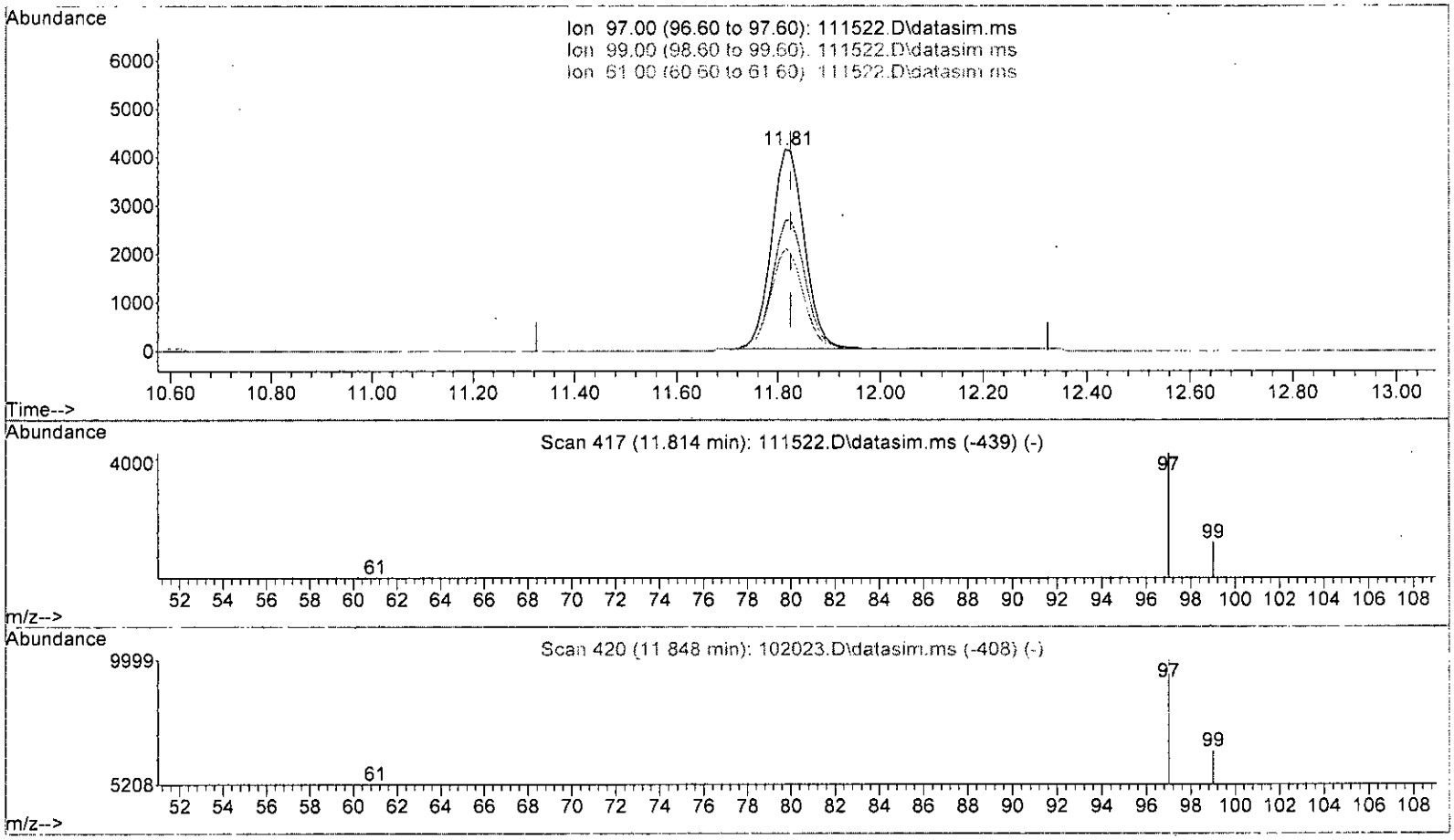
(35) 1,1,1-Trichloroethane (TMP)
11.814min (-0.011) 0.936 ppbv
response 19366

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.814min (-0.011) 0.897 ppbv m

response 18568

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	61897	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	280612	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252262	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	173001	9.896	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.00%		
Target Compounds						Qvalue
2) Propene	3.41	41	8476	0.977	ppbv	98
3) Dichlorodifluoromethane	3.49	85	25247	0.989	ppbv	98
4] Chloromethane	3.73	50	12248m	1.051	ppbv	
5) F-114	3.84	85	26770	1.026	ppbv	95
6] Vinyl chloride	4.05	62	10517	0.918	ppbv	100
7] 1,3-Butadiene	4.17	54	6793m	0.903	ppbv	
8) Butane	4.28	43	14646	1.084	ppbv	83
9) Bromomethane	4.60	94	11468	1.003	ppbv	98
10] Chloroethane	4.84	64	4039m	0.997	ppbv	
11] Vinyl bromide	5.28	106	8908m	0.894	ppbv	
12) Ethanol	4.92	45	5034	1.226	ppbv	93
13] Acrolein	5.38	56	4512m	1.000	ppbv	
14) Pentane	6.25	43	14205	0.933	ppbv	91
15) Trichlorofluoromethane	5.82	101	29470	0.996	ppbv	93
16) Acetone	5.53	58	5072	1.153	ppbv #	68
17) 2-Propanol	5.78	45	18341	0.957	ppbv	100
18] 1,1-Dichloroethene	6.63	96	9330	0.916	ppbv	90
19] trans-1,2-Dichloroethene	8.07	96	8953	0.905	ppbv	94
20) Methylene chloride	6.78	84	9604	1.049	ppbv	88
21) t-Butyl alcohol (TBA)	6.57	59	15062	0.912	ppbv #	66
22) 3-Chloropropene	6.94	41	11102	0.872	ppbv	93
23) CFC-113	7.15	101	19415	0.904	ppbv	98
24) Carbon disulfide	7.23	76	28021	0.876	ppbv	95
25) Methyl t-butyl ether (...	8.43	73	20246	0.953	ppbv	100
26) Vinyl acetate	8.54	43	18137m	0.771	ppbv	
27] 1,1-Dichloroethane	8.36	63	18894	0.913	ppbv	99
28] cis-1,2-Dichloroethene	9.62	96	9513	0.909	ppbv	90
29) Hexane	10.01	57	11499	0.898	ppbv	91
30] Chloroform	10.08	83	22481	0.932	ppbv	97
31) Ethyl acetate	9.92	43	21319m	0.909	ppbv	
32) Tetrahydrofuran	10.75	42	10348	0.924	ppbv	99
33) 2-Butanone (MEK)	8.91	72	3944	1.030	ppbv #	82
34] 1,2-Dichloroethane (EDC)	11.34	62	14741m	0.920	ppbv	
35] 1,1,1-Trichloroethane	11.81	97	18568m	0.897	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	32378	0.956	ppbv	96
38) Cyclohexane	13.05	84	9050	1.070	ppbv	94
40] 1,2-Dichloropropane	13.80	63	14360	0.945	ppbv	99

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

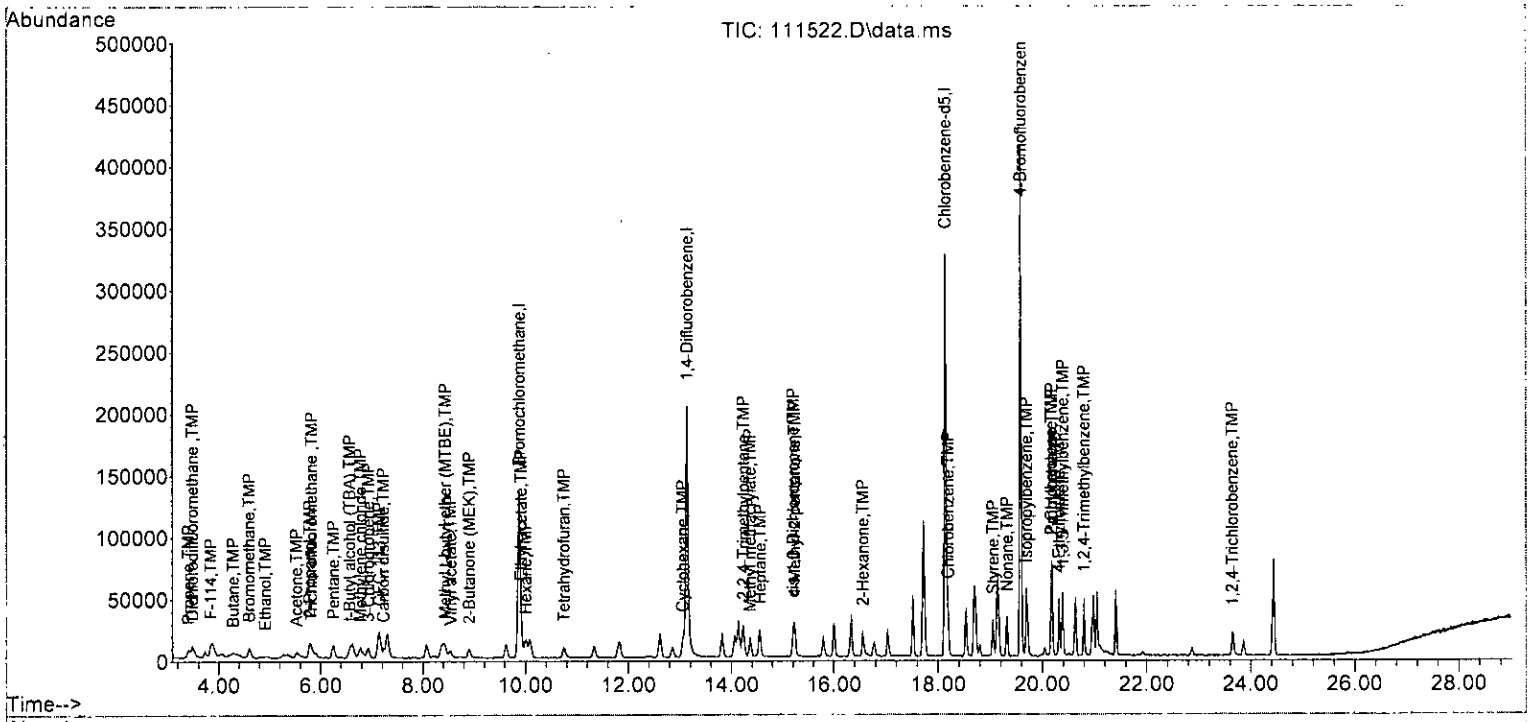
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.09	88	6390	0.989	ppbv	87
42) 2,2,4-Trimethylpentane	14.24	57	41293	0.921	ppbv #	82
43) Methyl methacrylate	14.36	41	13309	0.977	ppbv	97
44) Heptane	14.56	43	17358	0.932	ppbv	98
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	15584	0.936	ppbv	94
47) cis-1,3-Dichloropropene	15.20	75	15247	0.908	ppbv	94
48) 4-Methyl-2-pentanone	15.23	100	1192	0.960	ppbv #	89
49] trans-1,3-Dichloropropene	15.78	75	13794	0.873	ppbv	83
50] Toluene	16.31	92	20038	1.010	ppbv	97
51] 1,1,2-Trichloroethane	16.00	83	14678	0.998	ppbv	93
52) 2-Hexanone	16.56	43	22201	0.935	ppbv	98
53] Tetrachloroethene	17.52	164	13275	0.966	ppbv	91
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	21154	0.976	ppbv	98
57) Chlorobenzene	18.19	112	26451	0.953	ppbv	97
58] Ethylbenzene	18.53	91	41021	0.900	ppbv	96
59] 1,1,2,2-Tetrachloroethane	19.13	83	30649	0.899	ppbv	93
60) Nonane	19.32	43	18435	0.745	ppbv	90
61) Isopropylbenzene	19.70	105	42880	0.949	ppbv	98
62) 2-Chlorotoluene	20.17	126	10476	0.927	ppbv	79
63) Propylbenzene	20.17	91	76426	0.920	ppbv	97
64) 4-Ethyltoluene	20.32	105	32835	0.808	ppbv	99
65] m,p-Xylene	18.70	106	27820	1.742	ppbv	97
66] o-Xylene	19.15	106	13828	0.892	ppbv	99
67) Styrene	19.05	104	17522	0.848	ppbv	99
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	17786	0.624	ppbv	99
71) 1,3,5-Trimethylbenzene	20.39	105	33183	0.907	ppbv	97
72) 1,2,4-Trimethylbenzene	20.80	105	27377	0.865	ppbv	98
73] 1,3-Dichlorobenzene	20.98	146	23587	0.924	ppbv	99
74] 1,4-Dichlorobenzene	21.05	146	22090	0.925	ppbv	99
75] 1,2-Dichlorobenzene	21.41	146	26013	1.007	ppbv	94
76) 1,2,4-Trichlorobenzene	23.64	180	10416	0.705	ppbv	91
77] Naphthalene	23.84	128	16683	0.935	ppbv	98
78] Hexachlorobutadiene	24.44	225	24044	0.912	ppbv	100

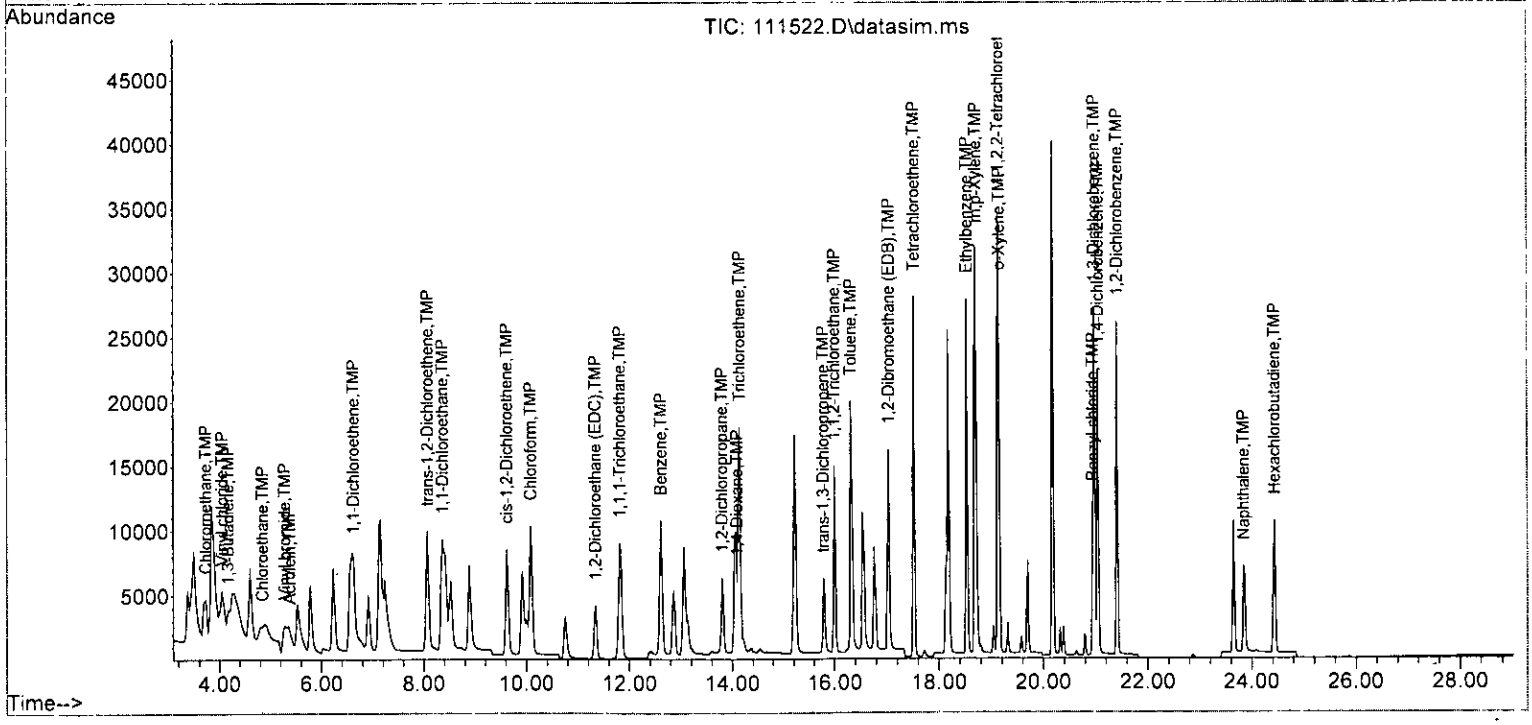
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	1.000	0.977	2.3	100	0.00
3	TMP	Dichlorodifluoromethane	1.000	0.989	1.1	100	0.00
4	TMP	Chloromethane	1.000	1.051	-5.1	102	0.00
5	TMP	F-114	1.000	1.026	-2.6	107	-0.04
6	TMP	Vinyl chloride	1.000	0.918	8.2	100	-0.04
7	TMP	1,3-Butadiene	1.000	0.903	9.7	103	-0.12
8	TMP	Butane	1.000	1.084	-8.4	105	-0.04
9	TMP	Bromomethane	1.000	1.003	-0.3	100	0.00
10	TMP	Chloroethane	1.000	0.997	0.3	102	0.00
11	TMP	Vinyl bromide	1.000	0.894	10.6	97	-0.04
12	TMP	Ethanol	1.000	1.226	-22.6	100	-0.04
13	TMP	Acrolein	1.000	1.000	0.0	101	-0.04
14	TMP	Pentane	1.000	0.933	6.7	100	0.00
15	TMP	Trichlorofluoromethane	1.000	0.996	0.4	100	-0.02
16	TMP	Acetone	1.000	1.153	-15.3	100	-0.04
17	TMP	2-Propanol	1.000	0.957	4.3	100	0.00
18	TMP	1,1-Dichloroethene	1.000	0.916	8.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.000	0.905	9.5	100	-0.03
20	TMP	Methylene chloride	1.000	1.049	-4.9	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	1.000	0.912	8.8	100	0.00
22	TMP	3-Chloropropene	1.000	0.872	12.8	100	0.00
23	TMP	CFC-113	1.000	0.904	9.6	100	0.00
24	TMP	Carbon disulfide	1.000	0.876	12.4	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	1.000	0.953	4.7	100	0.00
26	TMP	Vinyl acetate	1.000	0.771	22.9	100	0.00
27	TMP	1,1-Dichloroethane	1.000	0.913	8.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.000	0.909	9.1	100	-0.02
29	TMP	Hexane	1.000	0.898	10.2	100	0.00
30	TMP	Chloroform	1.000	0.932	6.8	100	-0.02
31	TMP	Ethyl acetate	1.000	0.909	9.1	100	0.00
32	TMP	Tetrahydrofuran	1.000	0.924	7.6	100	0.00
33	TMP	2-Butanone (MEK)	1.000	1.030	-3.0	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	1.000	0.920	8.0	101	0.00
35	TMP	1,1,1-Trichloroethane	1.000	0.897	10.3	100	-0.01
36	TMP	Carbon tetrachloride	1.000	0.000	100.0#	0	-12.86#
37	TMP	Benzene	1.000	0.956	4.4	100	0.00
38	TMP	Cyclohexane	1.000	1.070	-7.0	100	-0.02
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	1.000	0.945	5.5	100	0.00
41	TMP	1,4-Dioxane	1.000	0.989	1.1	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.000	0.921	7.9	100	0.00
43	TMP	Methyl methacrylate	1.000	0.977	2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	1.000	0.932	6.8	100	0.00
45	TMP	Bromodichloromethane	1.000	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	1.000	0.936	6.4	100	0.00
47	TMP	cis-1,3-Dichloropropene	1.000	0.908	9.2	100	0.00
48	TMP	4-Methyl-2-pentanone	1.000	0.960	4.0	100	0.00
49	TMP	trans-1,3-Dichloropropene	1.000	0.873	12.7	100	0.00
50	TMP	Toluene	1.000	1.010	-1.0	107	0.00
51	TMP	1,1,2-Trichloroethane	1.000	0.998	0.2	109	0.00
52	TMP	2-Hexanone	1.000	0.935	6.5	100	0.00
53	TMP	Tetrachloroethene	1.000	0.966	3.4	100	0.00
54	TMP	Dibromochloromethane	1.000	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	1.000	0.976	2.4	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.000	0.953	4.7	100	0.00
58	TMP	Ethylbenzene	1.000	0.900	10.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.000	0.899	10.1	100	0.00
60	TMP	Nonane	1.000	0.745	25.5	100	0.02
61	TMP	Isopropylbenzene	1.000	0.949	5.1	100	0.00
62	TMP	2-Chlorotoluene	1.000	0.927	7.3	100	0.00
63	TMP	Propylbenzene	1.000	0.920	8.0	100	-0.01
64	TMP	4-Ethyltoluene	1.000	0.808	19.2	100	0.00
65	TMP	m,p-Xylene	2.000	1.742	12.9	100	0.00
66	TMP	o-Xylene	1.000	0.892	10.8	100	0.00
67	TMP	Styrene	1.000	0.848	15.2	100	0.00
68	TMP	Bromoform	1.000	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.896	1.0	100	0.00
70	TMP	Benzyl chloride	1.000	0.624	37.6#	103	0.00
71	TMP	1,3,5-Trimethylbenzene	1.000	0.907	9.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.000	0.865	13.5	100	0.00
73	TMP	1,3-Dichlorobenzene	1.000	0.924	7.6	100	0.00
74	TMP	1,4-Dichlorobenzene	1.000	0.925	7.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.000	1.007	-0.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	1.000	0.705	29.5	100	0.00
77	TMP	Naphthalene	1.000	0.935	6.5	100	0.00
78	TMP	Hexachlorobutadiene	1.000	0.912	8.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.369	12.0	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.079	1.1	100	0.00
4	TMP	Chloromethane	1.882	1.979	-5.2	102	0.00
5	TMP	F-114	4.217	4.325	-2.6	107	-0.04
6	TMP	Vinyl chloride	1.851	1.699	8.2	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.097	9.8	103	-0.12
8	TMP	Butane	2.183	2.366	-8.4	105	-0.04
9	TMP	Bromomethane	1.847	1.853	-0.3	100	0.00
10	TMP	Chloroethane	0.655	0.653	0.3	102	0.00
11	TMP	Vinyl bromide	1.609	1.439	10.6	97	-0.04
12	TMP	Ethanol	0.663	0.813	-22.6	100	-0.04
13	TMP	Acrolein	0.729	0.729	0.0	101	-0.04
14	TMP	Pentane	2.461	2.295	6.7	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.761	0.4	100	-0.02
16	TMP	Acetone	0.710	0.819	-15.4	100	-0.04
17	TMP	2-Propanol	3.096	2.963	4.3	100	0.00
18	TMP	1,1-Dichloroethene	1.645	1.507	8.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.446	9.5	100	-0.03
20	TMP	Methylene chloride	1.479	1.552	-4.9	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.668	2.433	8.8	100	0.00
22	TMP	3-Chloropropene	2.056	1.794	12.7	100	0.00
23	TMP	CFC-113	3.469	3.137	9.6	100	0.00
24	TMP	Carbon disulfide	5.167	4.527	12.4	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.271	4.7	100	0.00
26	TMP	Vinyl acetate	3.801	2.930	22.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.052	8.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.537	9.1	100	-0.02
29	TMP	Hexane	2.068	1.858	10.2	100	0.00
30	TMP	Chloroform	4.060	3.632	10.5	100	-0.02
31	TMP	Ethyl acetate	3.789	3.444	9.1	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.672	7.6	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.637	-2.9	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.382	11.4	101	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.000	10.3	100	-0.01
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	5.231	8.0	100	0.00
38	TMP	Cyclohexane	1.367	1.462	-6.9	100	-0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.512	5.4	100	0.00
41	TMP	1,4-Dioxane	0.230	0.228	0.9	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.472	7.9	100	0.00
43	TMP	Methyl methacrylate	0.485	0.474	2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

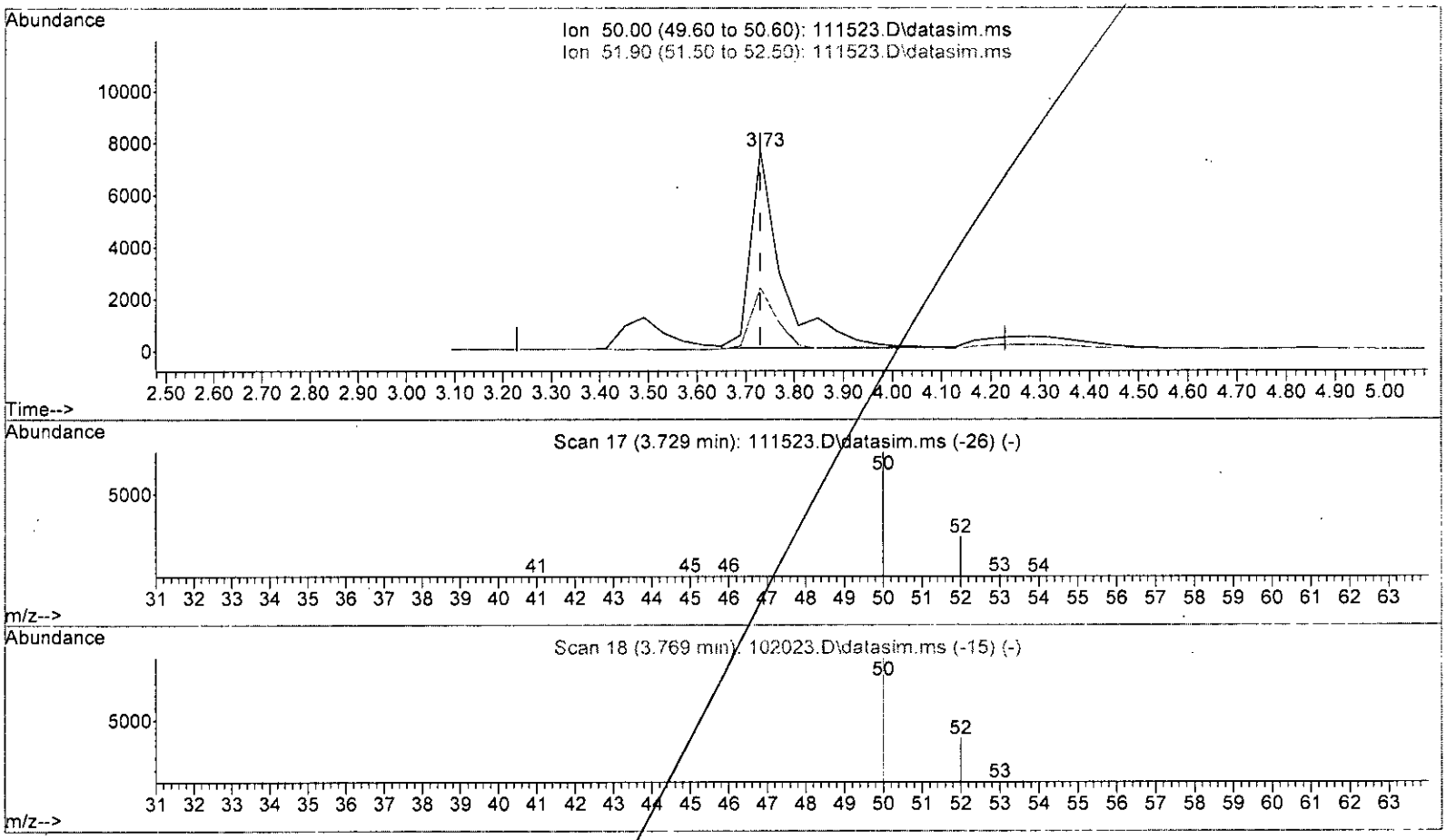
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.619	6.6	100	0.00
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.555	6.4	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.543	9.3	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.042	4.5	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.492	12.6	100	0.00
50	TMP	Toluene	0.707	0.714	-1.0	107	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.523	4.9	109	0.00
52	TMP	2-Hexanone	0.846	0.791	6.5	100	0.00
53	TMP	Tetrachloroethene	0.490	0.473	3.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.754	8.5	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.049	4.7	100	0.00
58	TMP	Ethylbenzene	1.968	1.626	17.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.215	12.8	100	0.00
60	TMP	Nonane	0.981	0.731	25.5	100	0.02
61	TMP	Isopropylbenzene	1.792	1.700	5.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.415	7.4	100	0.00
63	TMP	Propylbenzene	3.292	3.030	8.0	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.302	19.2	100	0.00
65	TMP	m,p-Xylene	0.633	0.551	13.0	100	0.00
66	TMP	o-Xylene	0.615	0.548	10.9	100	0.00
67	TMP	Styrene	0.819	0.695	15.1	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.686	1.0	100	0.00
70	TMP	Benzyl chloride	0.987	0.705	28.6	103	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.315	9.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.085	13.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.935	7.6	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.876	7.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.031	-0.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.413	34.0#	100	0.00
77	TMP	Naphthalene	1.132	0.661	41.6#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.953	8.8	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

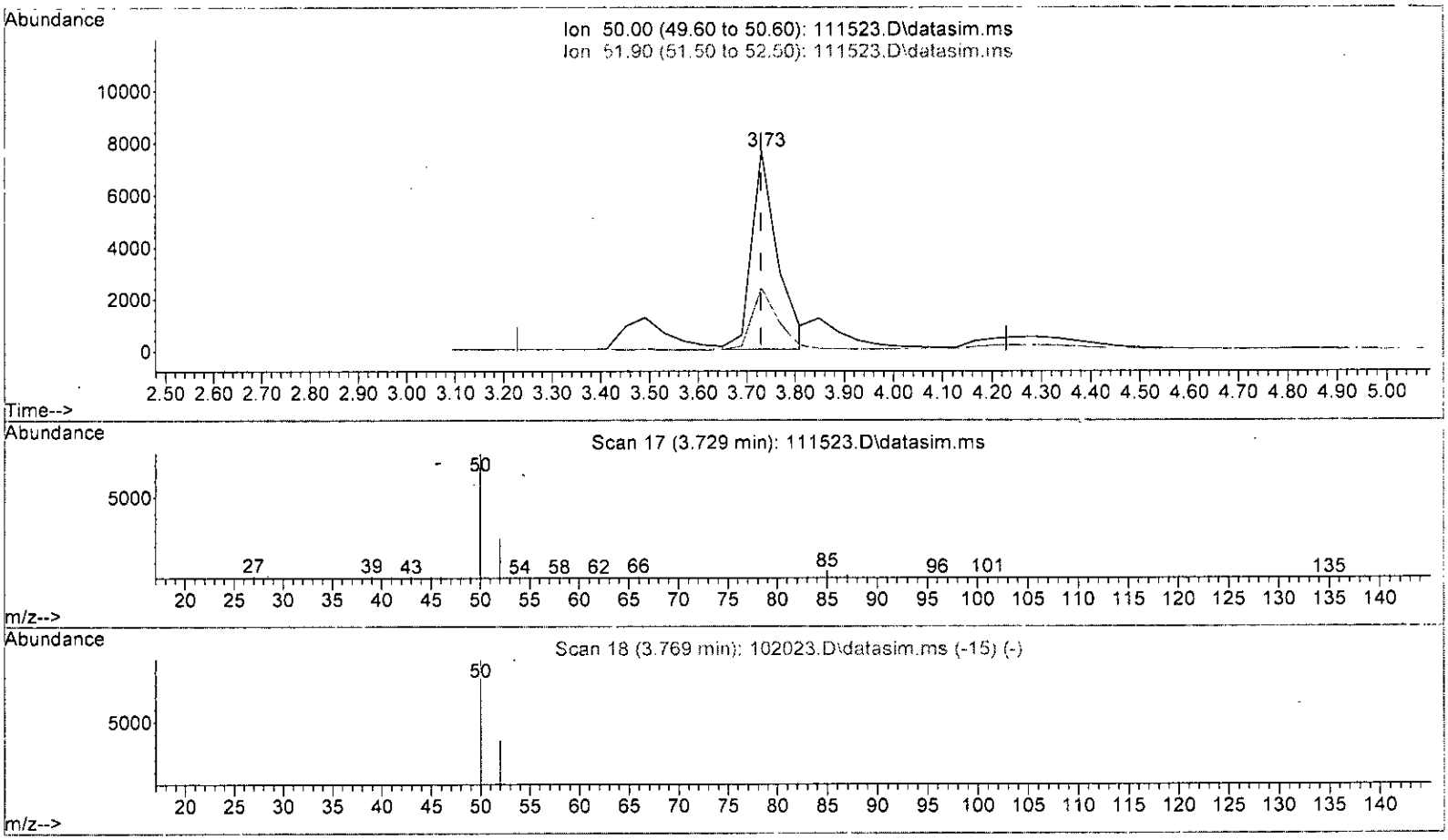
(4) Chloromethane (TMP)
3.729min (+ 0.000) 2.974 ppbv
response 33620

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.536 ppbv m

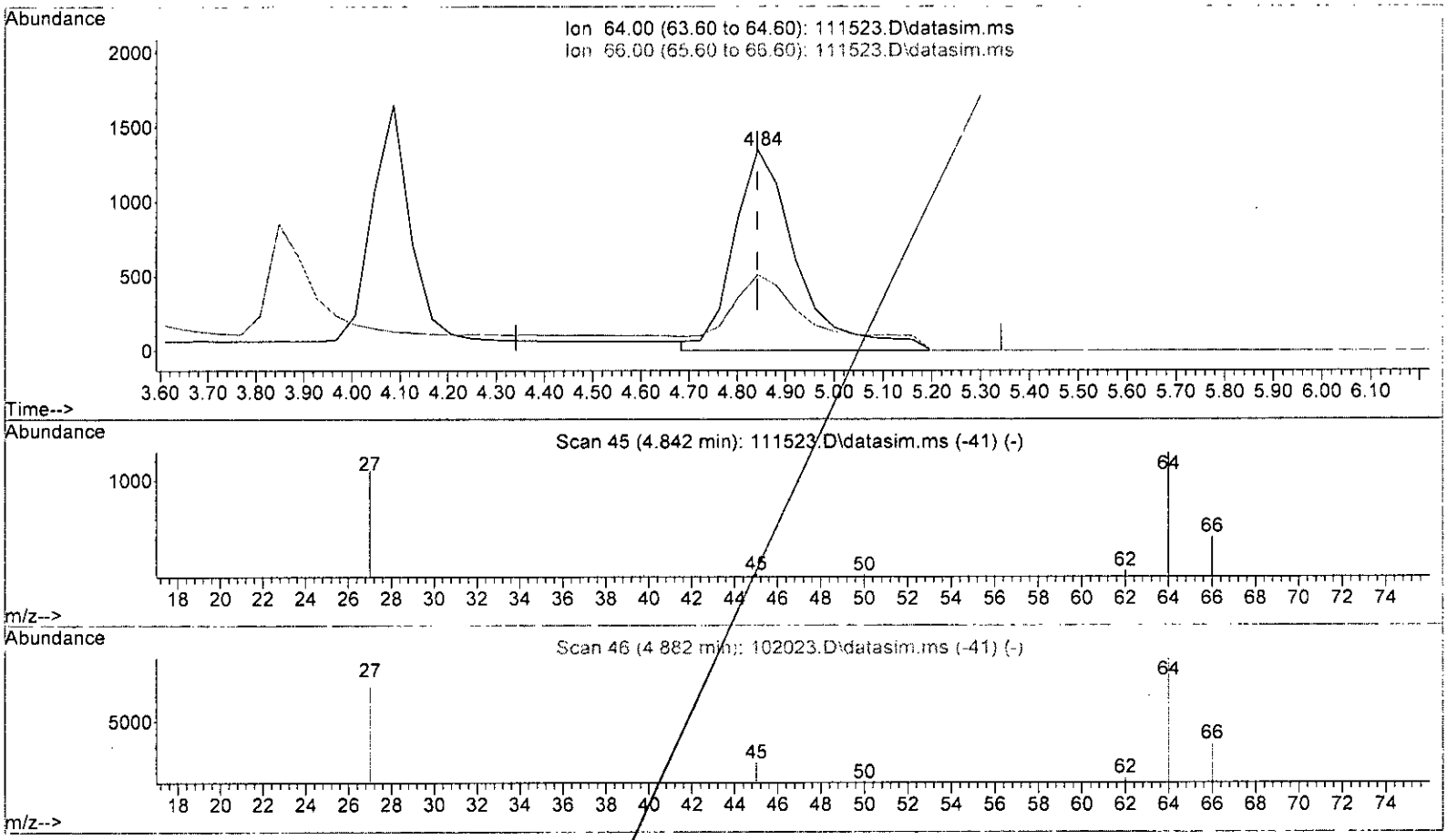
response 28666

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

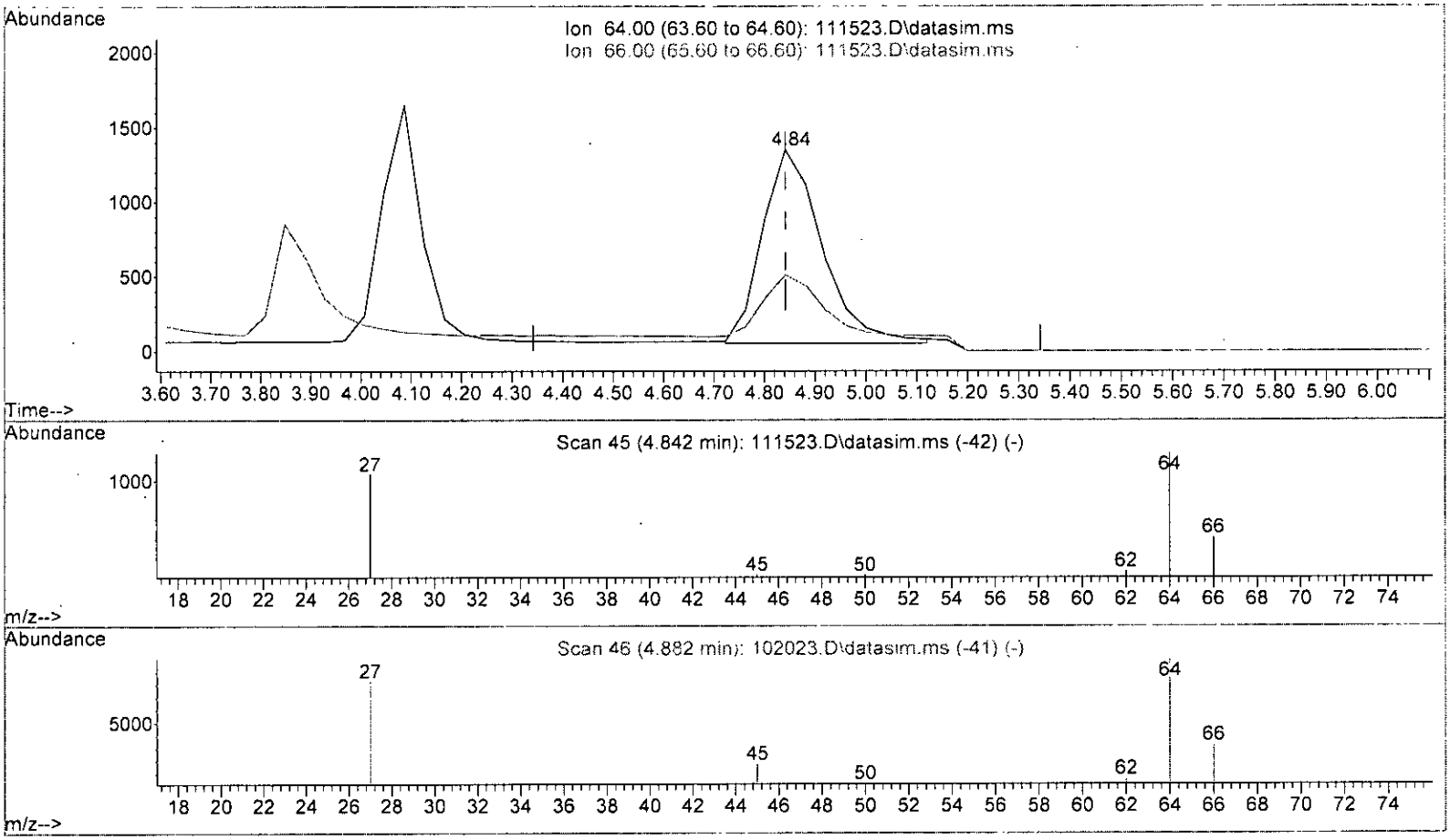
(10) Chloroethane (TMP)
4.842min (+ 0.000) 2.981 ppbv
response 11716

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 2.701 ppbv m

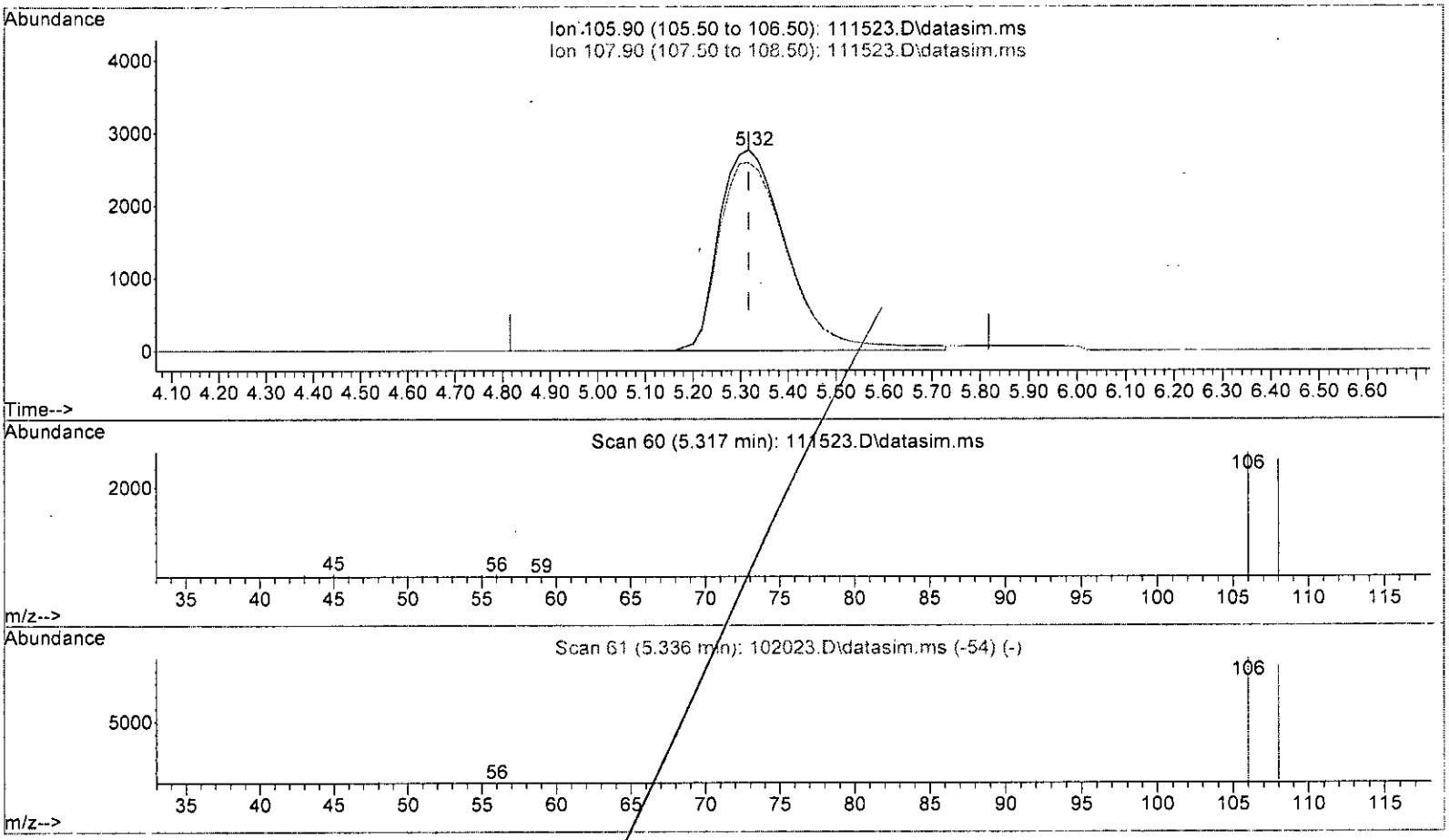
response 10615

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

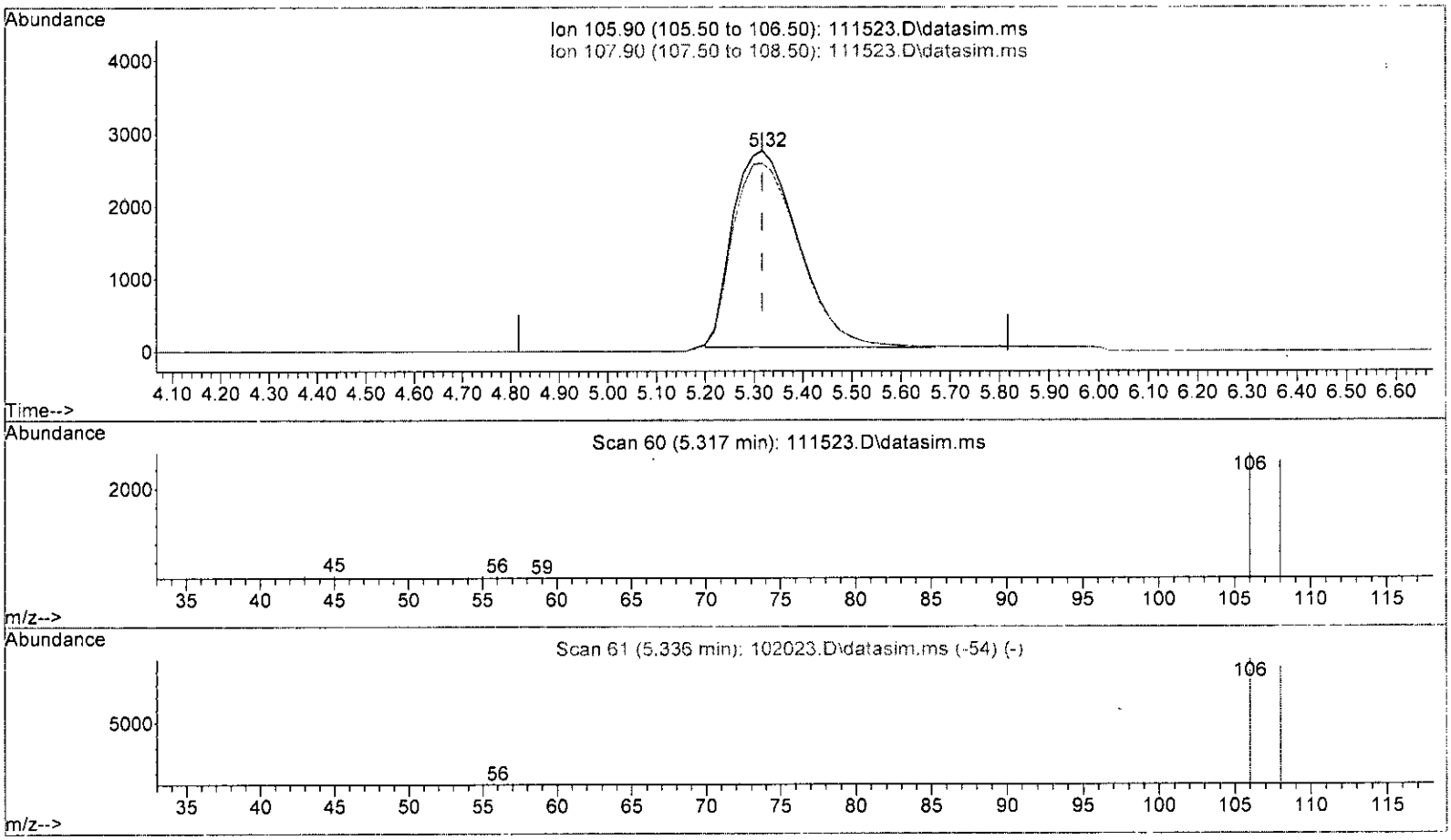
(11) Vinyl bromide (TMP)
5.317min (+ 0.000) 3.023 ppbv
response 29213

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (+ 0.000) 2.623 ppbv m

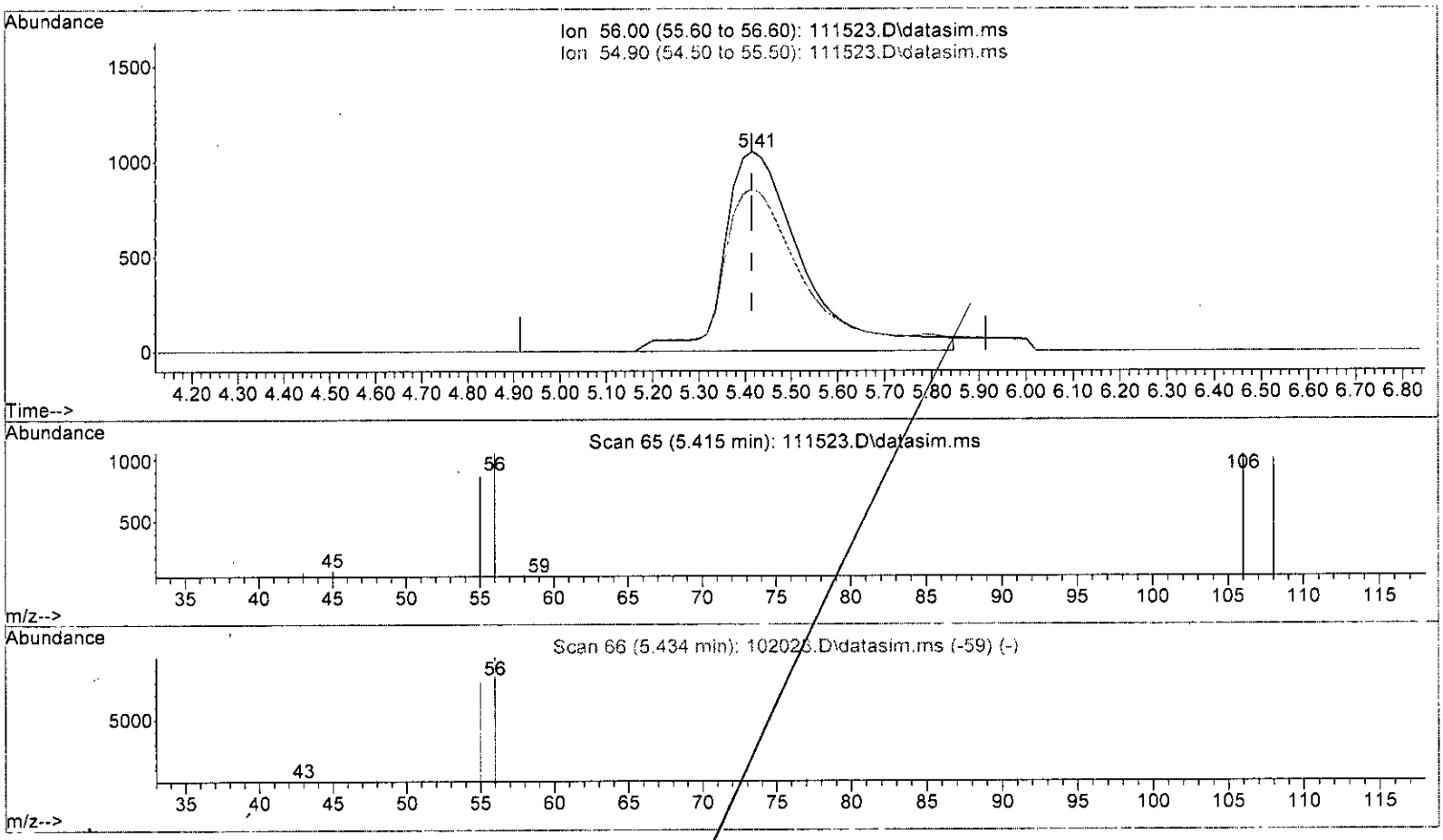
response 25352

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	109.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.973 ppbv

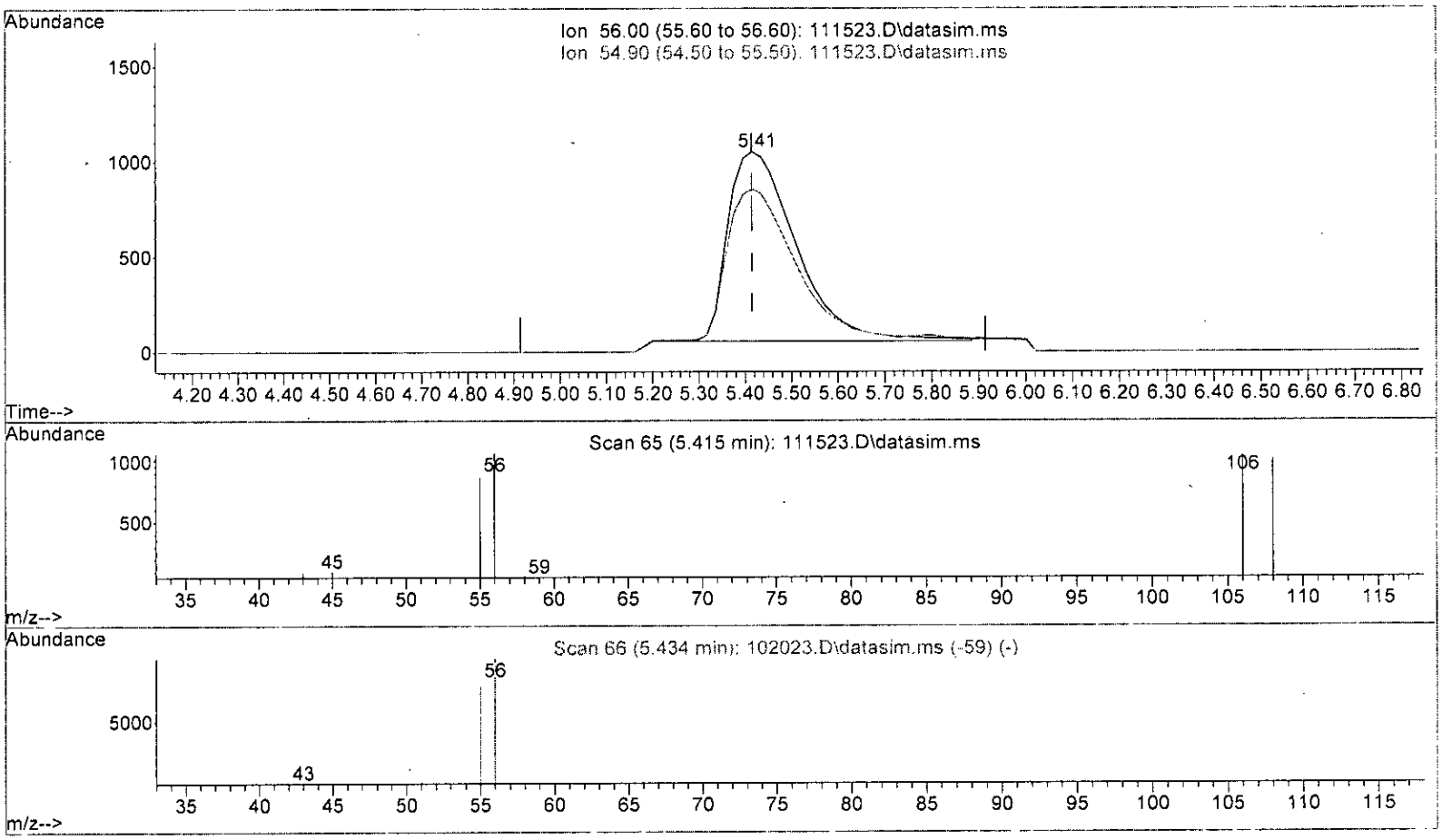
response 13014

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.310 ppbv m

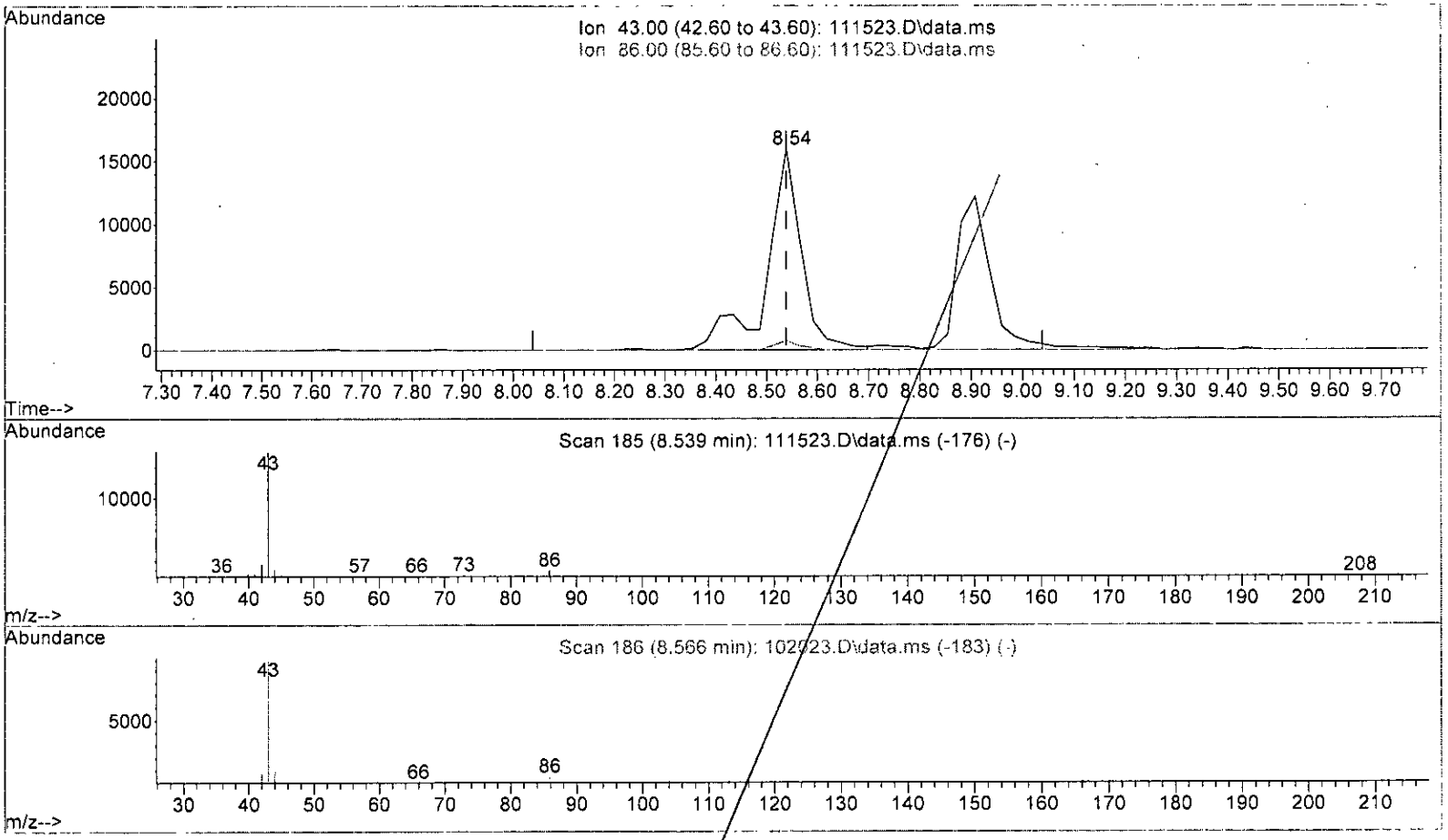
response 10114

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	106.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

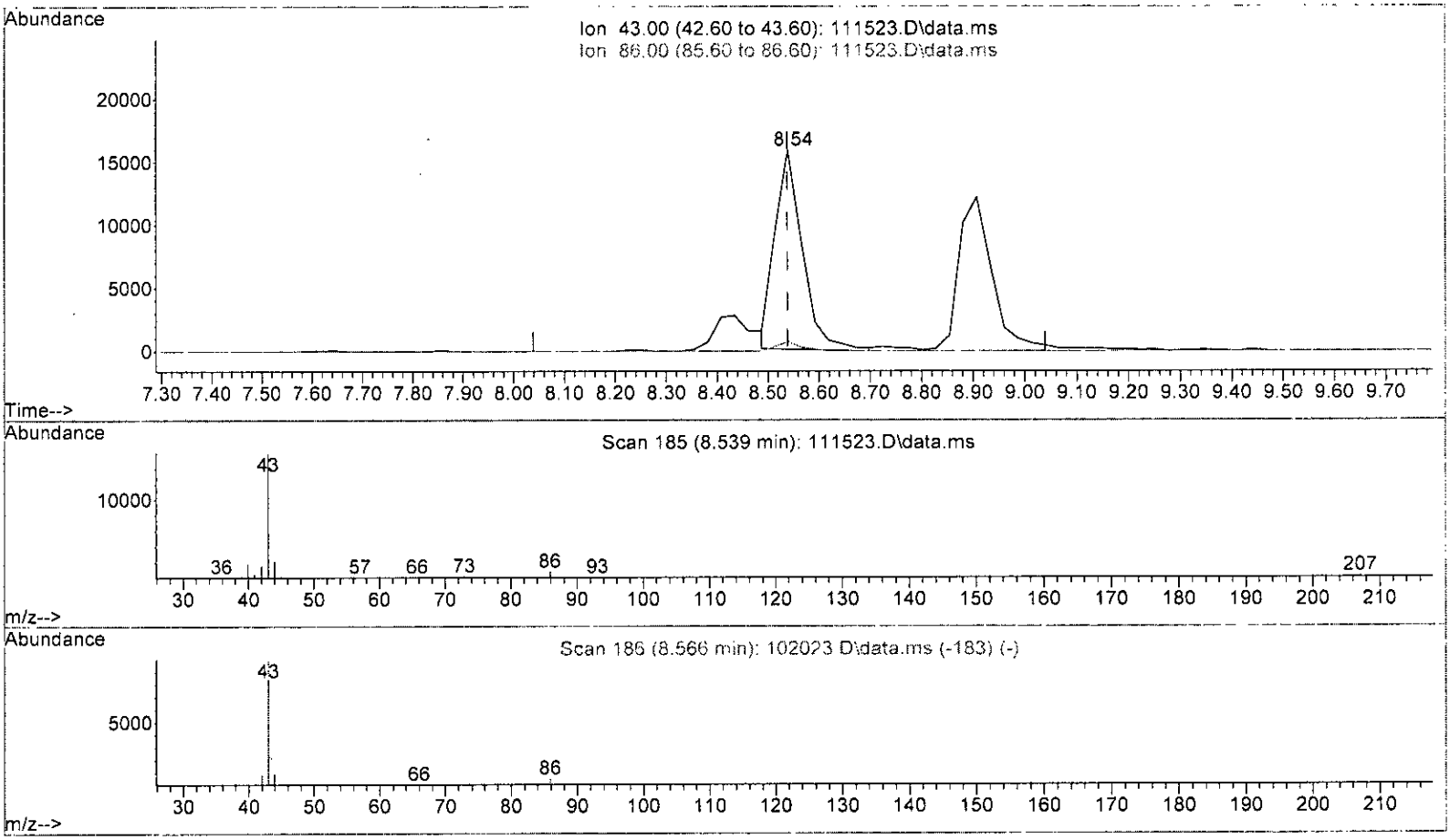
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.292 ppbv
response 75158

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

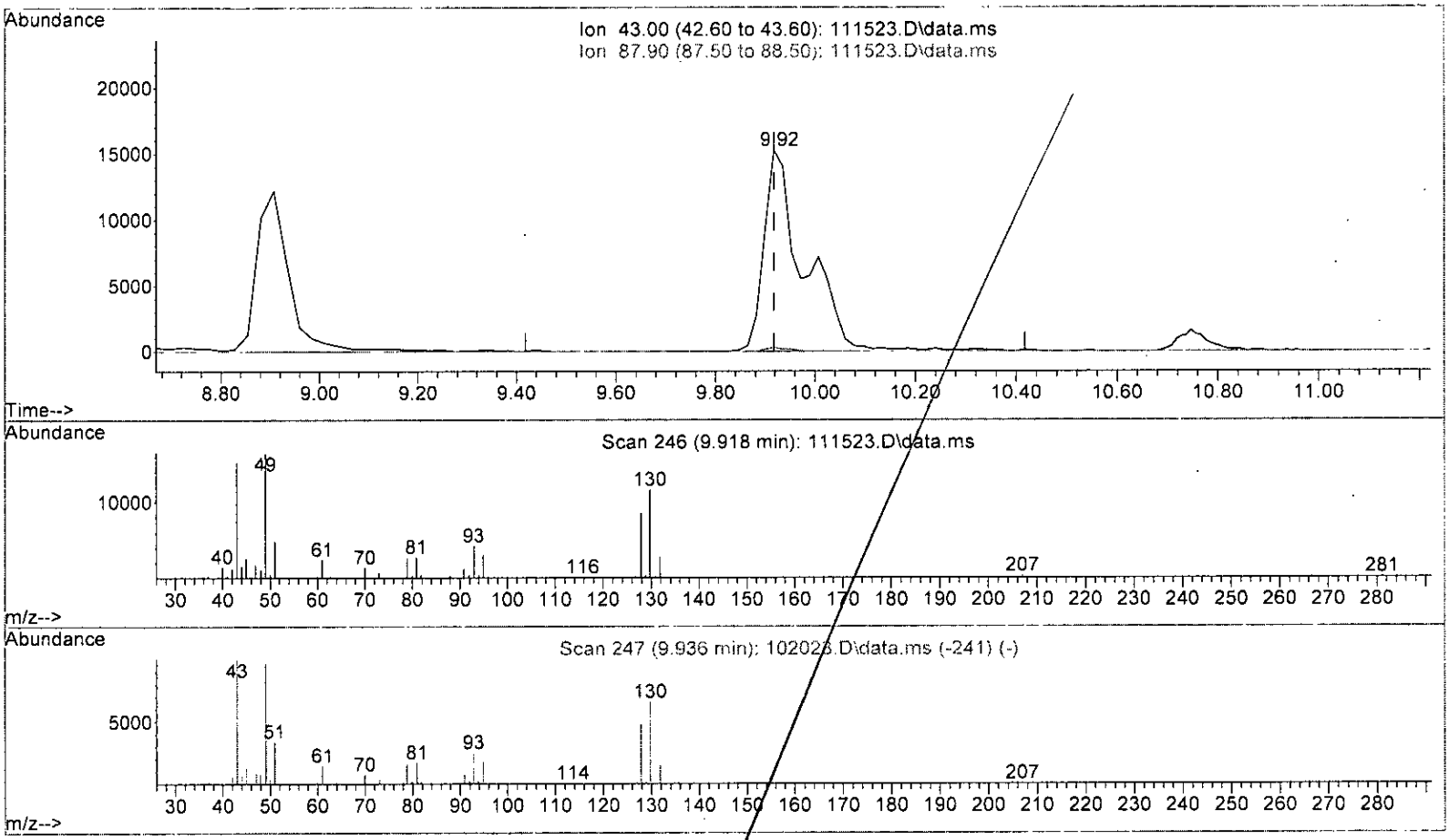
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.584 ppbv m
response 58983

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

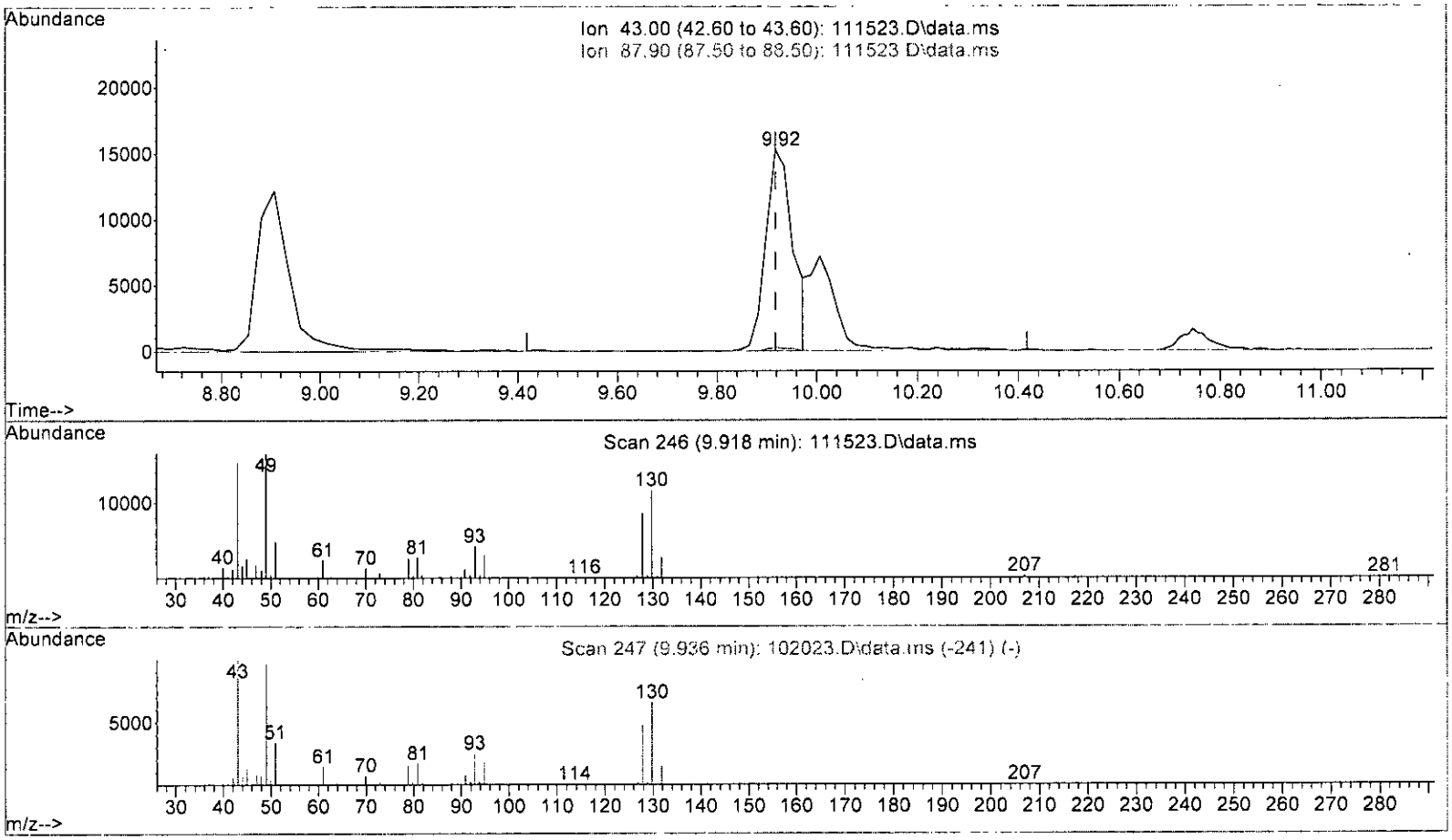
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.705 ppbv
response 84305

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.99#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(31) Ethyl acetate (TMP)

9.918min (-0.000) 2.576 ppbv m

response 58601

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	60056	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	277968	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	243467	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	181348	10.748	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	21323	2.683	ppbv		92
3) Dichlorodifluoromethane	3.49	85	64998	2.625	ppbv		97
4] Chloromethane	3.73	50	28666m	2.536	ppbv		
5) F-114	3.88	85	65533	2.588	ppbv		91
6] Vinyl chloride	4.09	62	27460	2.471	ppbv		99
7] 1,3-Butadiene	4.29	54	17873	2.447	ppbv	#	92
8) Butane	4.32	43	34653	2.643	ppbv		99
9) Bromomethane	4.60	94	27894	2.515	ppbv		97
10] Chloroethane	4.84	64	10615m	2.701	ppbv		
11] Vinyl bromide	5.32	106	25352m	2.623	ppbv		
12) Ethanol	4.96	45	10811	2.714	ppbv		96
13] Acrolein	5.41	56	10114m	2.310	ppbv		
14) Pentane	6.25	43	39506	2.673	ppbv		99
15) Trichlorofluoromethane	5.84	101	77313	2.692	ppbv		97
16) Acetone	5.57	58	11787	2.763	ppbv	#	64
17) 2-Propanol	5.78	45	47776	2.570	ppbv	#	98
18] 1,1-Dichloroethene	6.63	96	24276	2.457	ppbv		90
19] trans-1,2-Dichloroethene	8.10	96	24299	2.532	ppbv	#	76
20) Methylene chloride	6.80	84	24536	2.763	ppbv		98
21) t-Butyl alcohol (TBA)	6.57	59	39620	2.473	ppbv	#	72
22) 3-Chloropropene	6.94	41	31275	2.533	ppbv	#	88
23) CFC-113	7.15	101	56318	2.703	ppbv		99
24) Carbon disulfide	7.28	76	88234	2.844	ppbv		93
25) Methyl t-butyl ether (...	8.43	73	55056	2.670	ppbv		98
26) Vinyl acetate	8.54	43	58983m	2.584	ppbv		
27] 1,1-Dichloroethane	8.36	63	52610	2.621	ppbv		98
28] cis-1,2-Dichloroethene	9.64	96	25628	2.525	ppbv		98
29) Hexane	10.01	57	31847	2.564	ppbv		86
30] Chloroform	10.10	83	61101	2.649	ppbv		100
31) Ethyl acetate	9.92	43	58601m	2.576	ppbv		
32) Tetrahydrofuran	10.75	42	26759	2.462	ppbv		97
33) 2-Butanone (MEK)	8.91	72	10008	2.693	ppbv	#	88
34] 1,2-Dichloroethane (EDC)	11.34	62	40299	2.620	ppbv		99
35] 1,1,1-Trichloroethane	11.83	97	55317	2.755	ppbv		97
36] Carbon tetrachloride	12.86	117	57033	2.696	ppbv		98
37] Benzene	12.61	78	82709	2.633	ppbv		96
38) Cyclohexane	13.07	84	21838	2.660	ppbv		97
40] 1,2-Dichloropropane	13.80	63	38307	2.545	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

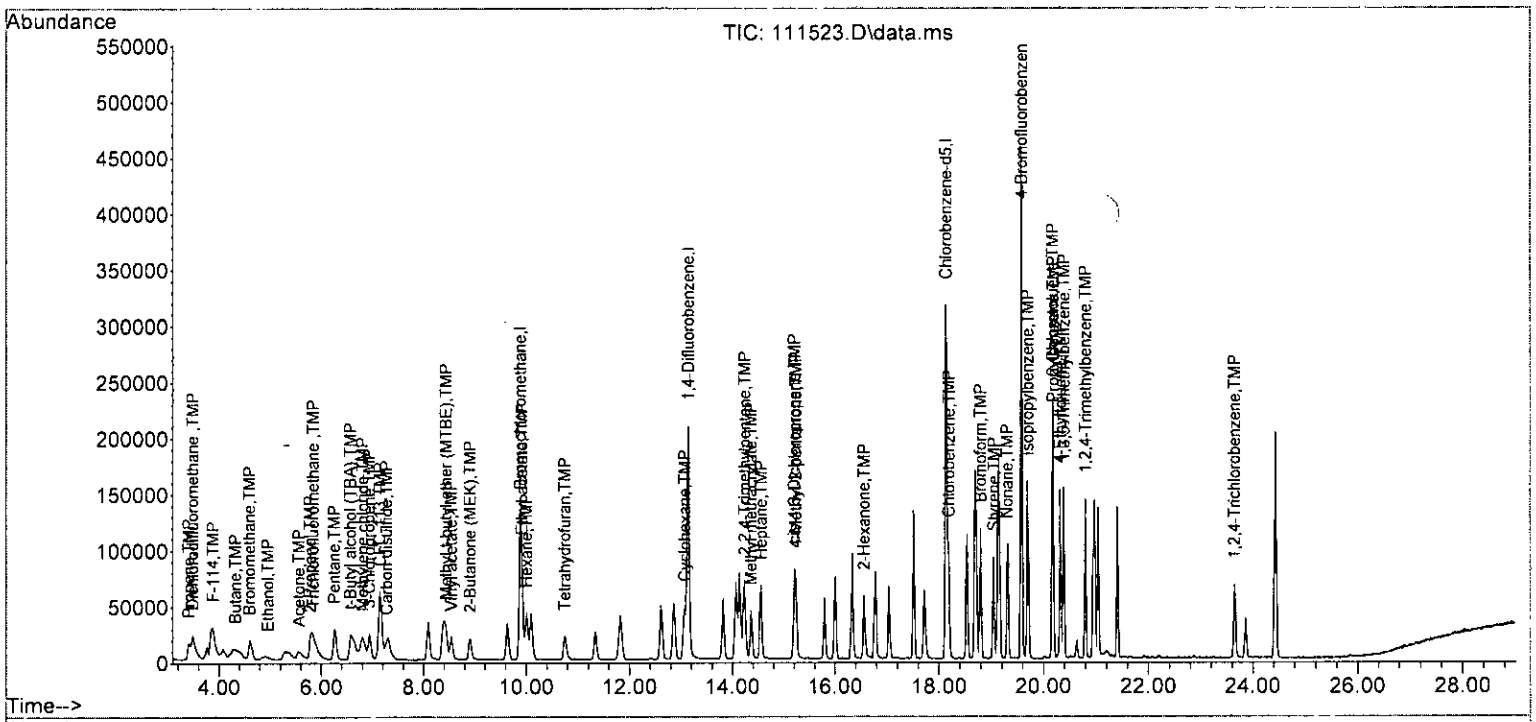
Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

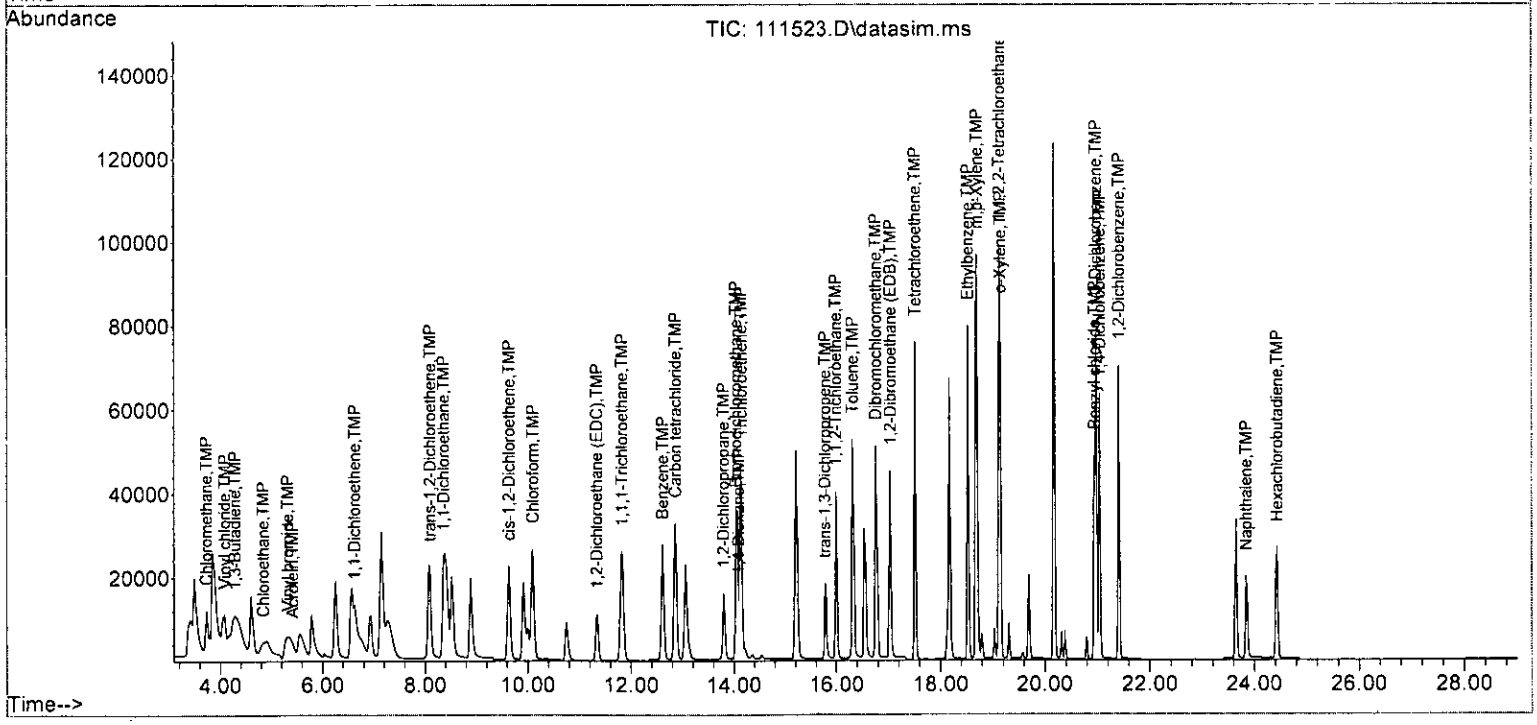
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	15320	2.394	ppbv		80
42) 2,2,4-Trimethylpentane	14.24	57	115958	2.610	ppbv		90
43) Methyl methacrylate	14.36	41	36245	2.687	ppbv		95
44) Heptane	14.56	43	47895	2.597	ppbv		99
45] Bromodichloromethane	14.04	83	63564	2.692	ppbv		100
46] Trichloroethene	14.14	95	40195	2.438	ppbv		95
47) cis-1,3-Dichloropropene	15.20	75	45543	2.737	ppbv		96
48) 4-Methyl-2-pentanone	15.23	100	3158	2.567	ppbv	#	63
49] trans-1,3-Dichloropropene	15.78	75	41889	2.676	ppbv		82
50] Toluene	16.31	92	51083	2.599	ppbv		98
51] 1,1,2-Trichloroethane	16.00	83	38068	2.658	ppbv		93
52) 2-Hexanone	16.56	43	60033	2.552	ppbv		96
53] Tetrachloroethene	17.52	164	35587	2.614	ppbv		91
54] Dibromochloromethane	16.76	129	63104	2.637	ppbv		98
55] 1,2-Dibromoethane (EDB)	17.04	107	55696	2.638	ppbv		97
57) Chlorobenzene	18.19	112	69826	2.605	ppbv		100
58] Ethylbenzene	18.53	91	114645	2.635	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	86666	2.682	ppbv		93
60) Nonane	19.30	43	64182	2.688	ppbv		97
61) Isopropylbenzene	19.70	105	121554	2.786	ppbv		100
62) 2-Chlorotoluene	20.17	126	29823	2.734	ppbv		86
63) Propylbenzene	20.19	91	226210	2.822	ppbv		99
64) 4-Ethyltoluene	20.32	105	102001	2.600	ppbv		98
65] m,p-Xylene	18.70	106	81611	5.293	ppbv		96
66] o-Xylene	19.15	106	40170	2.684	ppbv		99
67) Styrene	19.05	104	52474	2.632	ppbv		100
68) Bromoform	18.80	173	67371	2.691	ppbv		98
70] Benzyl chloride	20.95	91	75836	2.686	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	100545	2.848	ppbv		97
72) 1,2,4-Trimethylbenzene	20.80	105	82752	2.523	ppbv		98
73] 1,3-Dichlorobenzene	20.98	146	67062	2.722	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	61423	2.664	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	67758	2.717	ppbv		94
76) 1,2,4-Trichlorobenzene	23.64	180	33194	2.177	ppbv		93
77] Naphthalene	23.84	128	43756	2.225	ppbv		98
78] Hexachlorobutadiene	24.44	225	64925	2.553	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	2.500	2.683	-7.3	100	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.625	-5.0	100	0.00
4	TMP	Chloromethane	2.500	2.536	-1.4	101	0.00
5	TMP	F-114	2.500	2.588	-3.5	104	0.00
6	TMP	Vinyl chloride	2.500	2.471	1.2	100	0.00
7	TMP	1,3-Butadiene	2.500	2.447	2.1	100	0.00
8	TMP	Butane	2.500	2.643	-5.7	100	0.00
9	TMP	Bromomethane	2.500	2.515	-0.6	100	0.00
10	TMP	Chloroethane	2.500	2.701	-8.0	101	0.00
11	TMP	Vinyl bromide	2.500	2.623	-4.9	99	0.00
12	TMP	Ethanol	2.500	2.714	-8.6	100	0.00
13	TMP	Acrolein	2.500	2.310	7.6	102	0.00
14	TMP	Pentane	2.500	2.673	-6.9	100	0.00
15	TMP	Trichlorofluoromethane	2.500	2.692	-7.7	99	0.00
16	TMP	Acetone	2.500	2.763	-10.5	100	0.00
17	TMP	2-Propanol	2.500	2.570	-2.8	98	0.00
18	TMP	1,1-Dichloroethene	2.500	2.457	1.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.532	-1.3	100	0.00
20	TMP	Methylene chloride	2.500	2.763	-10.5	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.473	1.1	100	0.00
22	TMP	3-Chloropropene	2.500	2.533	-1.3	100	0.00
23	TMP	CFC-113	2.500	2.703	-8.1	100	0.00
24	TMP	Carbon disulfide	2.500	2.844	-13.8	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.670	-6.8	100	0.00
26	TMP	Vinyl acetate	2.500	2.584	-3.4	96	0.00
27	TMP	1,1-Dichloroethane	2.500	2.621	-4.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.525	-1.0	100	0.00
29	TMP	Hexane	2.500	2.564	-2.6	100	0.00
30	TMP	Chloroform	2.500	2.649	-6.0	100	0.00
31	TMP	Ethyl acetate	2.500	2.576	-3.0	101	0.00
32	TMP	Tetrahydrofuran	2.500	2.462	1.5	100	0.00
33	TMP	2-Butanone (MEK)	2.500	2.693	-7.7	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.620	-4.8	100	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.755	-10.2	100	0.00
36	TMP	Carbon tetrachloride	2.500	2.696	-7.8	100	0.00
37	TMP	Benzene	2.500	2.633	-5.3	100	0.00
38	TMP	Cyclohexane	2.500	2.660	-6.4	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	2.500	2.545	-1.8	100	0.00
41	TMP	1,4-Dioxane	2.500	2.394	4.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.610	-4.4	100	0.00
43	TMP	Methyl methacrylate	2.500	2.687	-7.5	100	0.00

Data Path : D:\Proc_GCMS7\11-15-22\
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Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.597	-3.9	100	0.00
45	TMP	Bromodichloromethane	2.500	2.692	-7.7	100	0.00
46	TMP	Trichloroethene	2.500	2.438	2.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.737	-9.5	100	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.567	-2.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.676	-7.0	100	0.00
50	TMP	Toluene	2.500	2.599	-4.0	100	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.658	-6.3	100	0.00
52	TMP	2-Hexanone	2.500	2.552	-2.1	100	0.00
53	TMP	Tetrachloroethene	2.500	2.614	-4.6	100	0.00
54	TMP	Dibromochloromethane	2.500	2.637	-5.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.638	-5.5	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	2.500	2.605	-4.2	100	0.00
58	TMP	Ethylbenzene	2.500	2.635	-5.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.682	-7.3	100	0.00
60	TMP	Nonane	2.500	2.688	-7.5	100	0.00
61	TMP	Isopropylbenzene	2.500	2.786	-11.4	100	0.00
62	TMP	2-Chlorotoluene	2.500	2.734	-9.4	100	0.00
63	TMP	Propylbenzene	2.500	2.822	-12.9	100	0.00
64	TMP	4-Ethyltoluene	2.500	2.600	-4.0	100	0.00
65	TMP	m,p-Xylene	5.000	5.293	-5.9	100	0.00
66	TMP	o-Xylene	2.500	2.684	-7.4	100	0.00
67	TMP	Styrene	2.500	2.632	-5.3	100	0.00
68	TMP	Bromoform	2.500	2.691	-7.6	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.748	-7.5	100	0.00
70	TMP	Benzyl chloride	2.500	2.686	-7.4	101	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.848	-13.9	100	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.523	-0.9	100	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.722	-8.9	100	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.664	-6.6	100	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.717	-8.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.177	12.9	100	0.00
77	TMP	Naphthalene	2.500	2.225	11.0	100	0.00
78	TMP	Hexachlorobutadiene	2.500	2.553	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.420	8.7	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.329	-5.0	100	0.00
4	TMP	Chloromethane	1.882	1.909	-1.4	101	0.00
5	TMP	F-114	4.217	4.365	-3.5	104	0.00
6	TMP	Vinyl chloride	1.851	1.829	1.2	100	0.00
7	TMP	1,3-Butadiene	1.216	1.190	2.1	100	0.00
8	TMP	Butane	2.183	2.308	-5.7	100	0.00
9	TMP	Bromomethane	1.847	1.858	-0.6	100	0.00
10	TMP	Chloroethane	0.655	0.707	-7.9	101	0.00
11	TMP	Vinyl bromide	1.609	1.689	-5.0	99	0.00
12	TMP	Ethanol	0.663	0.720	-8.6	100	0.00
13	TMP	Acrolein	0.729	0.674	7.5	102	0.00
14	TMP	Pentane	2.461	2.631	-6.9	100	0.00
15	TMP	Trichlorofluoromethane	4.781	5.149	-7.7	99	0.00
16	TMP	Acetone	0.710	0.785	-10.6	100	0.00
17	TMP	2-Propanol	3.096	3.182	-2.8	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.617	1.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.618	-1.3	100	0.00
20	TMP	Methylene chloride	1.479	1.634	-10.5	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.639	1.1	100	0.00
22	TMP	3-Chloropropene	2.056	2.083	-1.3	100	0.00
23	TMP	CFC-113	3.469	3.751	-8.1	100	0.00
24	TMP	Carbon disulfide	5.167	5.877	-13.7	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.667	-6.8	100	0.00
26	TMP	Vinyl acetate	3.801	3.929	-3.4	96	0.00
27	TMP	1,1-Dichloroethane	3.342	3.504	-4.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.707	-1.0	100	0.00
29	TMP	Hexane	2.068	2.121	-2.6	100	0.00
30	TMP	Chloroform	4.060	4.070	-0.2	100	0.00
31	TMP	Ethyl acetate	3.789	3.903	-3.0	101	0.00
32	TMP	Tetrahydrofuran	1.809	1.782	1.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.667	-7.8	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.684	0.1	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.684	-10.2	100	0.00
36	TMP	Carbon tetrachloride	3.523	3.799	-7.8	100	0.00
37	TMP	Benzene	5.688	5.509	3.1	100	0.00
38	TMP	Cyclohexane	1.367	1.455	-6.4	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.551	-1.8	100	0.00
41	TMP	1,4-Dioxane	0.230	0.220	4.3	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.669	-4.4	100	0.00
43	TMP	Methyl methacrylate	0.485	0.522	-7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

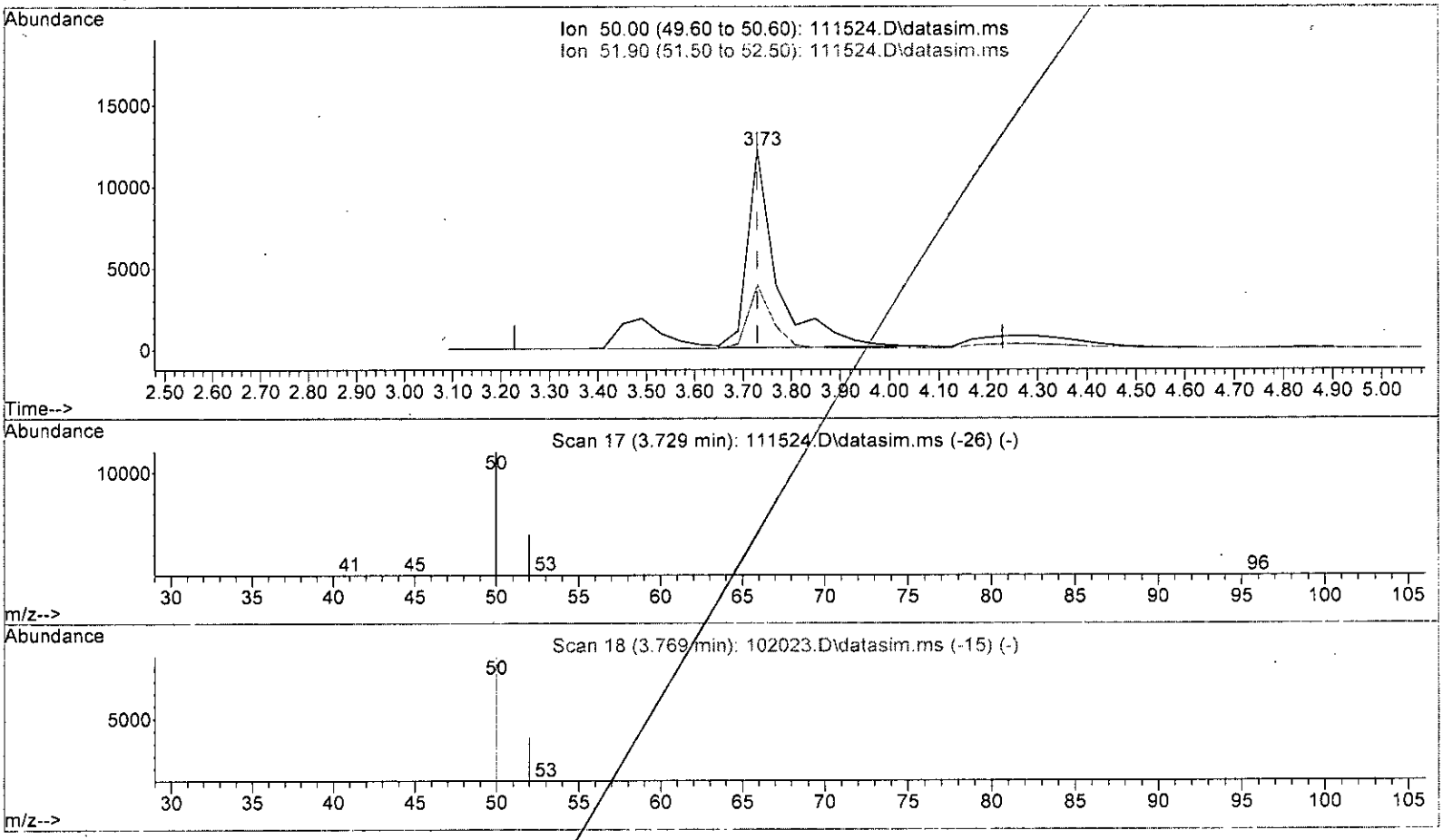
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.689	-3.9	100	0.00
45	TMP	Bromodichloromethane	0.850	0.915	-7.6	100	0.00
46	TMP	Trichloroethene	0.593	0.578	2.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.655	-9.3	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.603	-7.1	100	0.00
50	TMP	Toluene	0.707	0.735	-4.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.548	0.4	100	0.00
52	TMP	2-Hexanone	0.846	0.864	-2.1	100	0.00
53	TMP	Tetrachloroethene	0.490	0.512	-4.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.908	-5.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.801	2.8	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.147	-4.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.884	4.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.424	-2.2	100	0.00
60	TMP	Nonane	0.981	1.054	-7.4	100	0.00
61	TMP	Isopropylbenzene	1.792	1.997	-11.4	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.490	-9.4	100	0.00
63	TMP	Propylbenzene	3.292	3.716	-12.9	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.676	-4.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.670	-5.8	100	0.00
66	TMP	o-Xylene	0.615	0.660	-7.3	100	0.00
67	TMP	Styrene	0.819	0.862	-5.3	100	0.00
68	TMP	Bromoform	1.028	1.107	-7.7	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.246	-26.2	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.652	-13.9	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.360	-9.1	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.102	-8.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.009	-6.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.113	-8.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.545	12.9	100	0.00
77	TMP	Naphthalene	1.132	0.719	36.5#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.067	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 4.481 ppbv

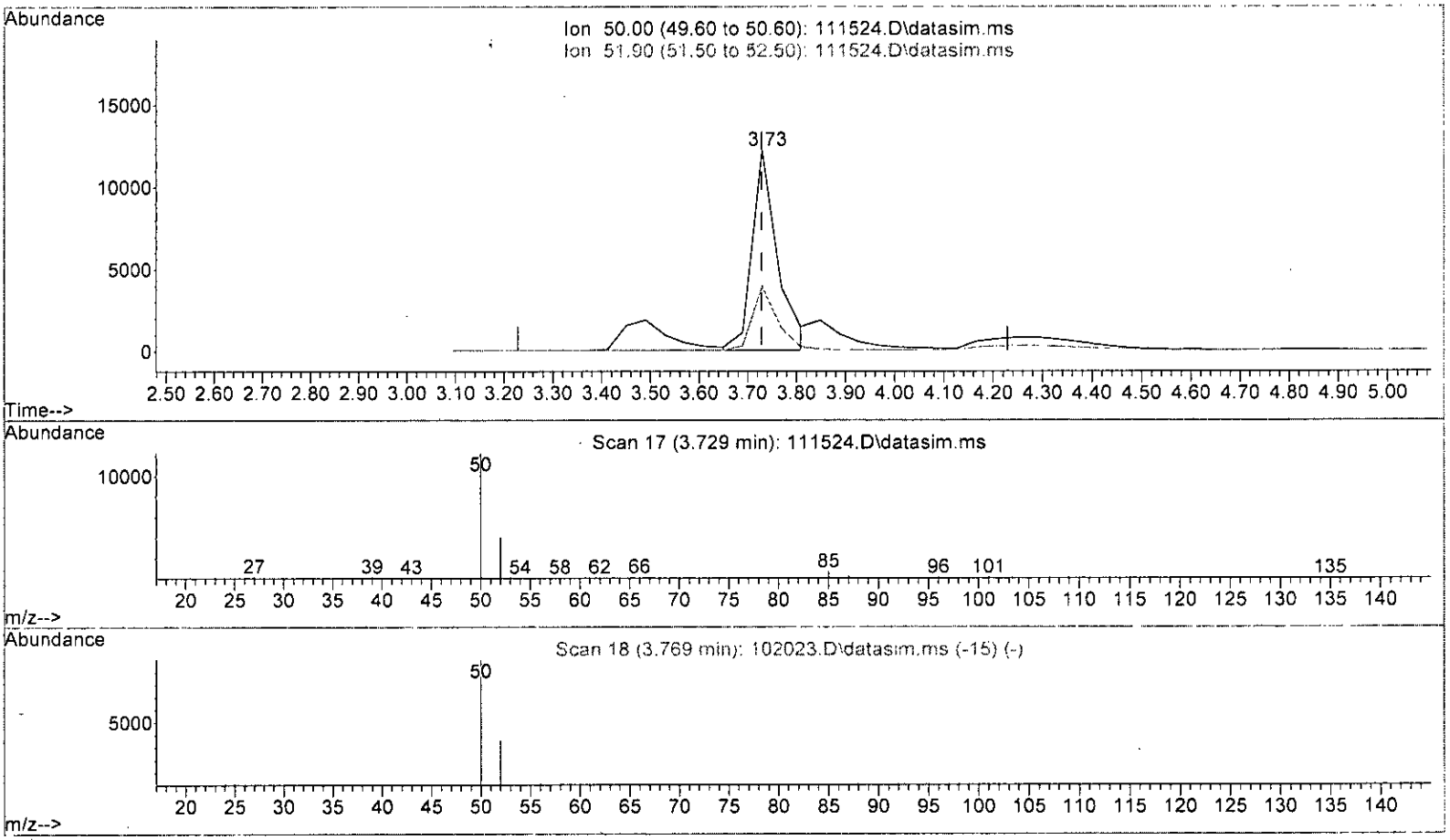
response 51560

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 3.839 ppbv m

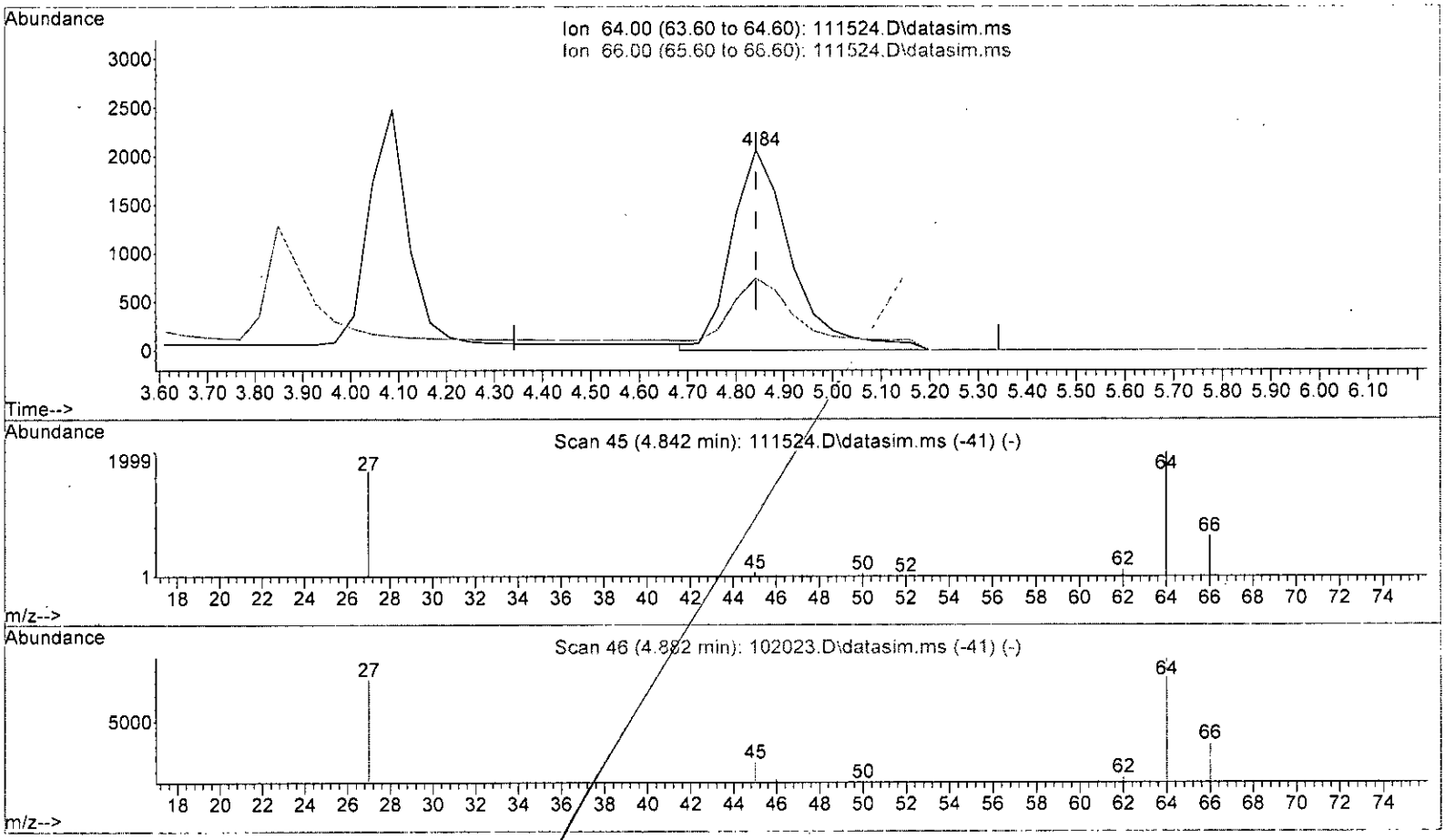
response 44175

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 4.267 ppbv

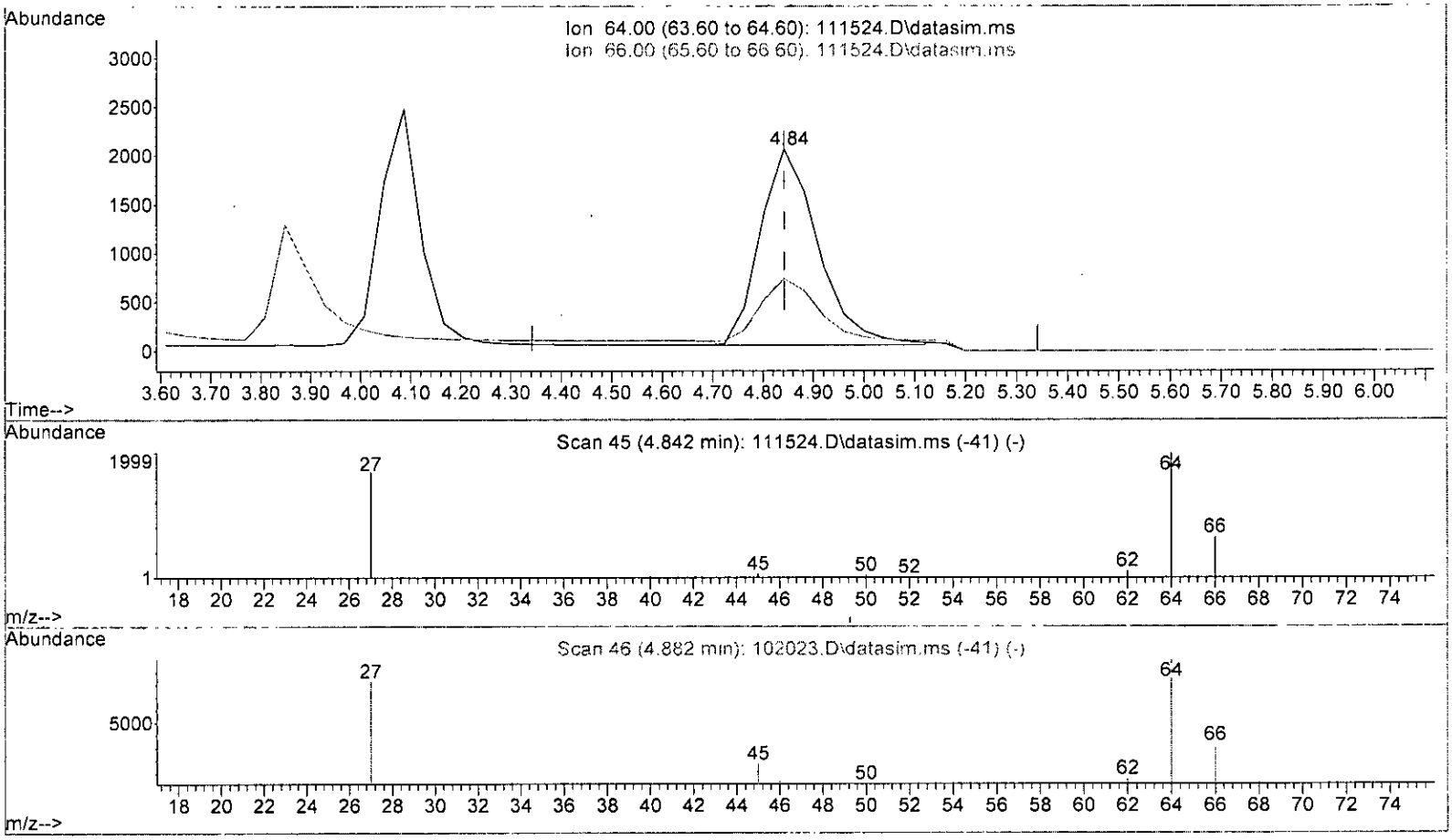
response 17070

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 3.999 ppbv m

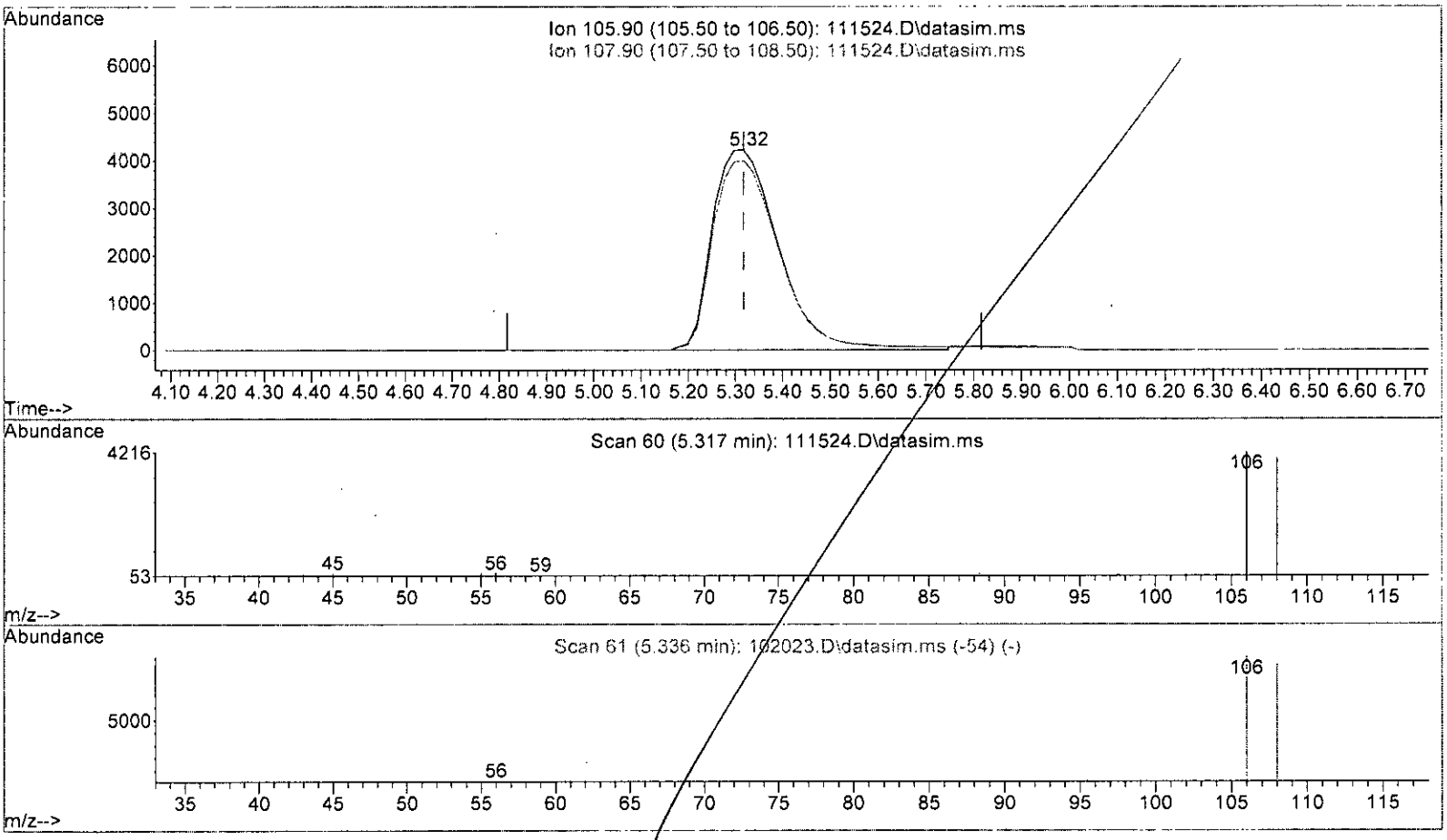
response 16000

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 4.476 ppbv

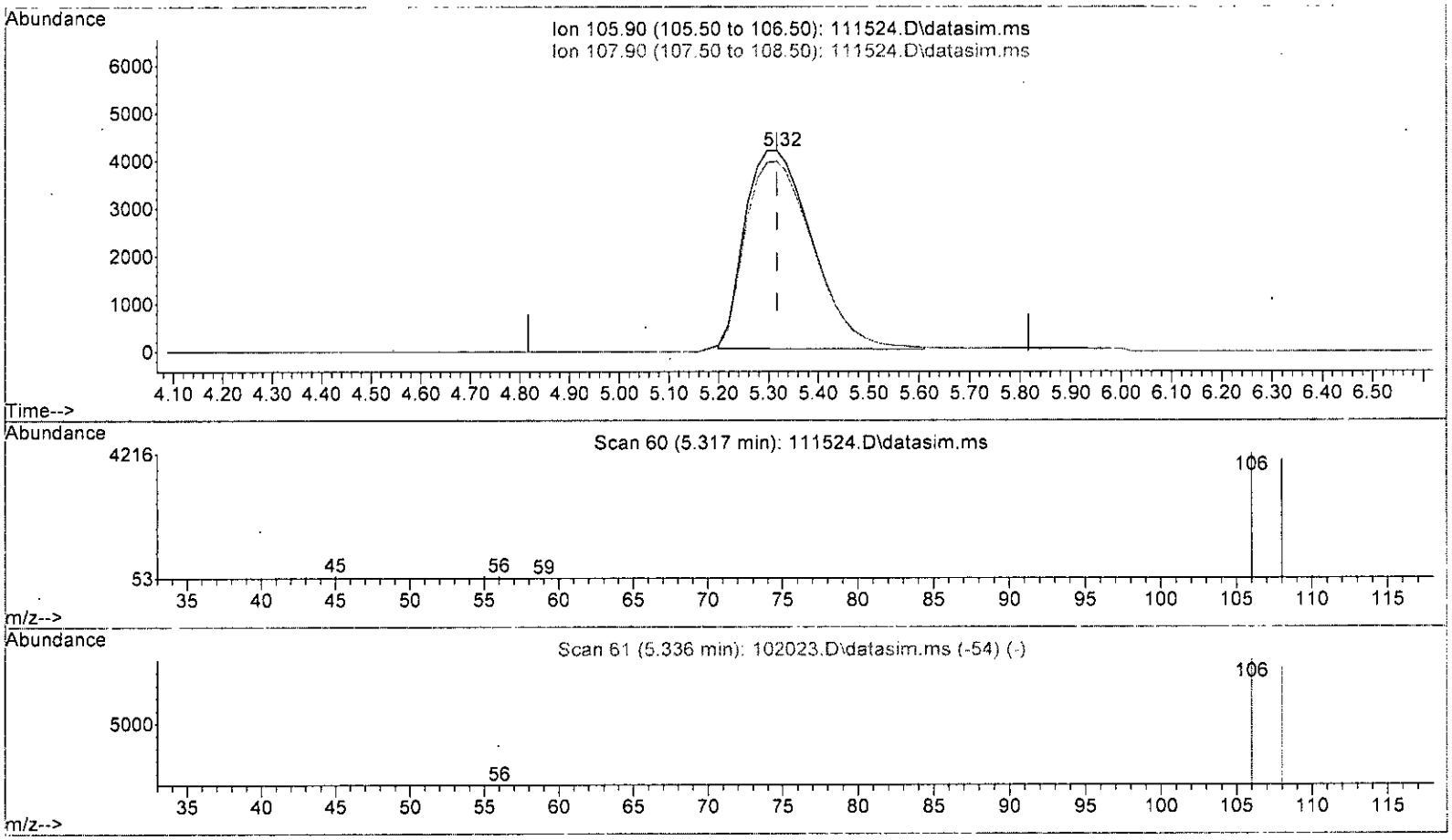
response 44033

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 3.982 ppbv m

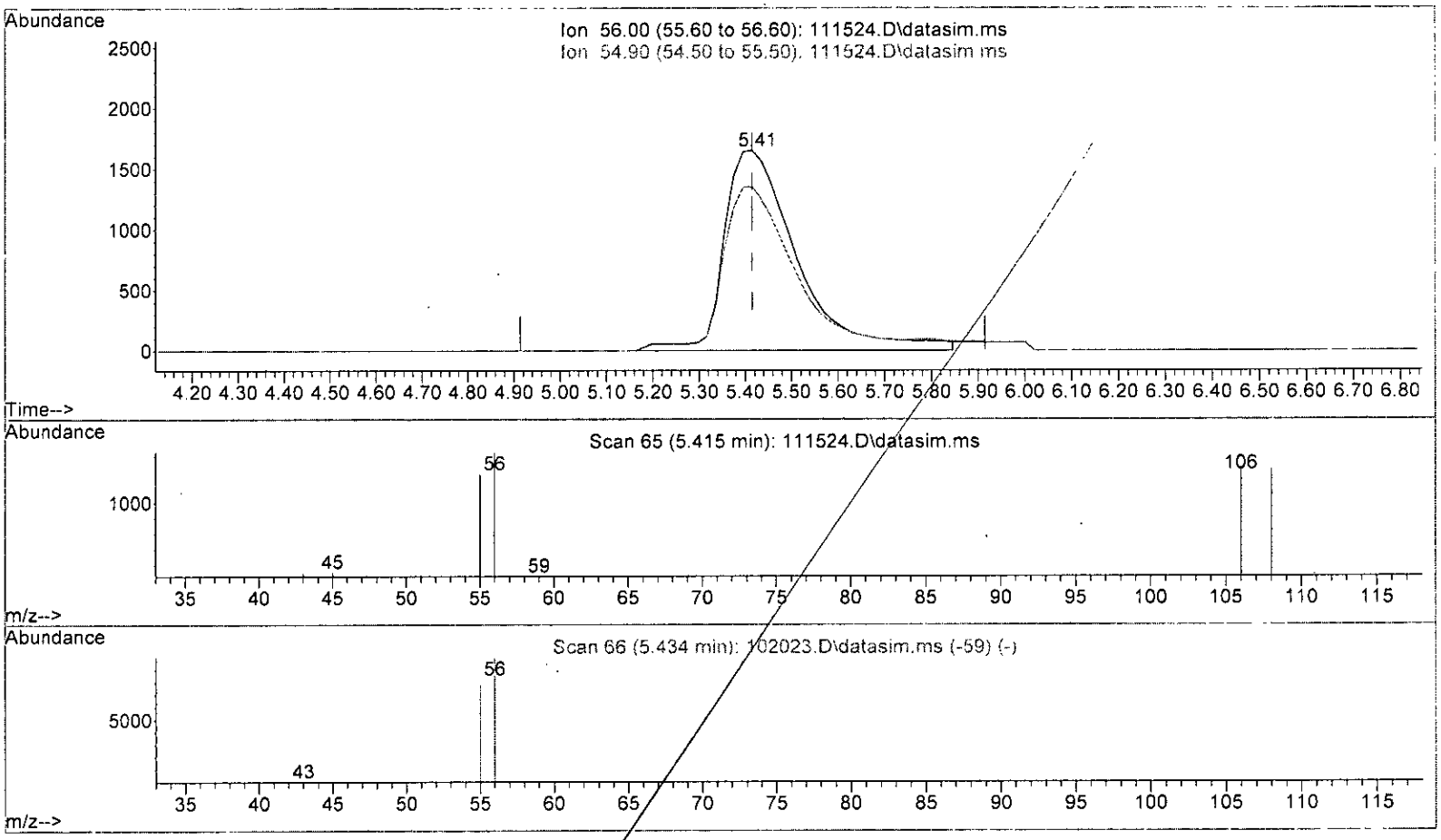
response 39173

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	106.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 4.283 ppbv

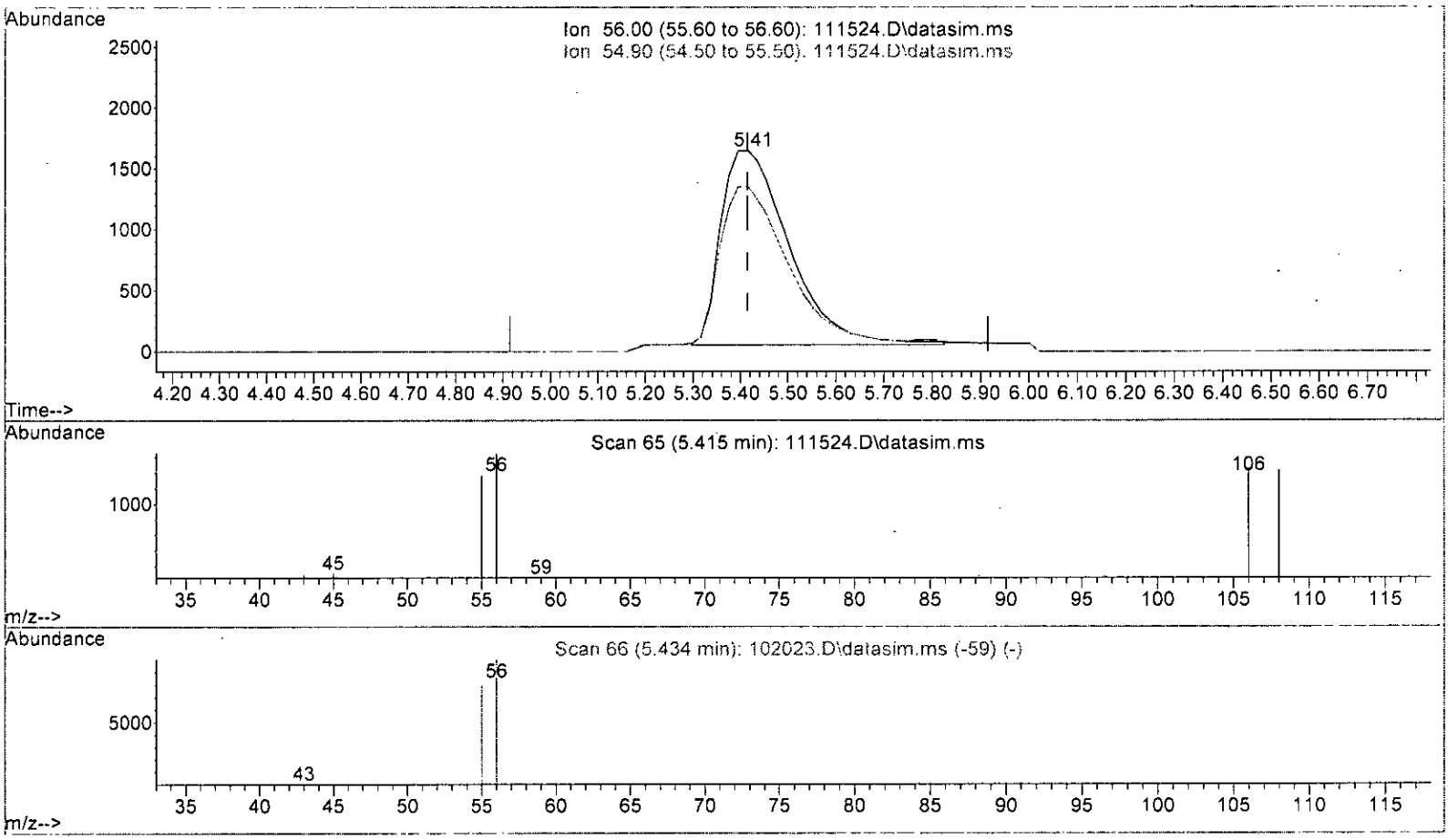
response 19080

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	69.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 3.543 ppbv m

response 15785

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	84.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	61124	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	281759	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	251020	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	183725	10.561	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.60%				
Target Compounds							Qvalue
2) Propene	3.41	41	33189	4.126	ppbv		100
3) Dichlorodifluoromethane	3.48	85	101066	4.011	ppbv		98
4] Chloromethane	3.73	50	44175m	3.839	ppbv		
5) F-114	3.84	85	102348	3.971	ppbv		97
6] Vinyl chloride	4.09	62	42585	3.765	ppbv		98
7] 1,3-Butadiene	4.25	54	27707	3.728	ppbv	#	92
8) Butane	4.36	43	53087	3.979	ppbv		98
9) Bromomethane	4.60	94	41370	3.664	ppbv		99
10] Chloroethane	4.84	64	16000m	3.999	ppbv		
11] Vinyl bromide	5.32	106	39173m	3.982	ppbv		
12) Ethanol	4.96	45	15931	3.930	ppbv		99
13] Acrolein	5.41	56	15785m	3.543	ppbv		
14) Pentane	6.25	43	62202	4.136	ppbv		100
15) Trichlorofluoromethane	5.84	101	118785	4.064	ppbv		96
16) Acetone	5.57	58	15999	3.684	ppbv		100
17) 2-Propanol	5.78	45	73060	3.861	ppbv	#	96
18] 1,1-Dichloroethene	6.63	96	37128	3.692	ppbv		97
19] trans-1,2-Dichloroethene	8.10	96	37324	3.822	ppbv	#	71
20) Methylene chloride	6.80	84	35947	3.977	ppbv		96
21) t-Butyl alcohol (TBA)	6.57	59	65955	4.045	ppbv	#	75
22) 3-Chloropropene	6.94	41	51518	4.099	ppbv		99
23) CFC-113	7.15	101	86782	4.092	ppbv		98
24) Carbon disulfide	7.28	76	131377	4.160	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	83436	3.975	ppbv		99
26) Vinyl acetate	8.54	43	98130	4.224	ppbv		100
27] 1,1-Dichloroethane	8.36	63	80066	3.919	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	39575	3.831	ppbv		98
29) Hexane	10.01	57	51441	4.069	ppbv		99
30] Chloroform	10.08	83	92826	3.992	ppbv		96
31) Ethyl acetate	9.92	43	95307	4.116	ppbv	#	99
32) Tetrahydrofuran	10.74	42	42555	3.848	ppbv		100
33) 2-Butanone (MEK)	8.88	72	15844	4.188	ppbv	#	86
34] 1,2-Dichloroethane (EDC)	11.34	62	62822	4.045	ppbv		100
35] 1,1,1-Trichloroethane	11.83	97	83493	4.085	ppbv		97
36] Carbon tetrachloride	12.86	117	87121	4.046	ppbv		98
37] Benzene	12.61	78	126249	3.997	ppbv		95
38) Cyclohexane	13.07	84	33443	4.002	ppbv		97
40] 1,2-Dichloropropane	13.80	63	59183	3.879	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

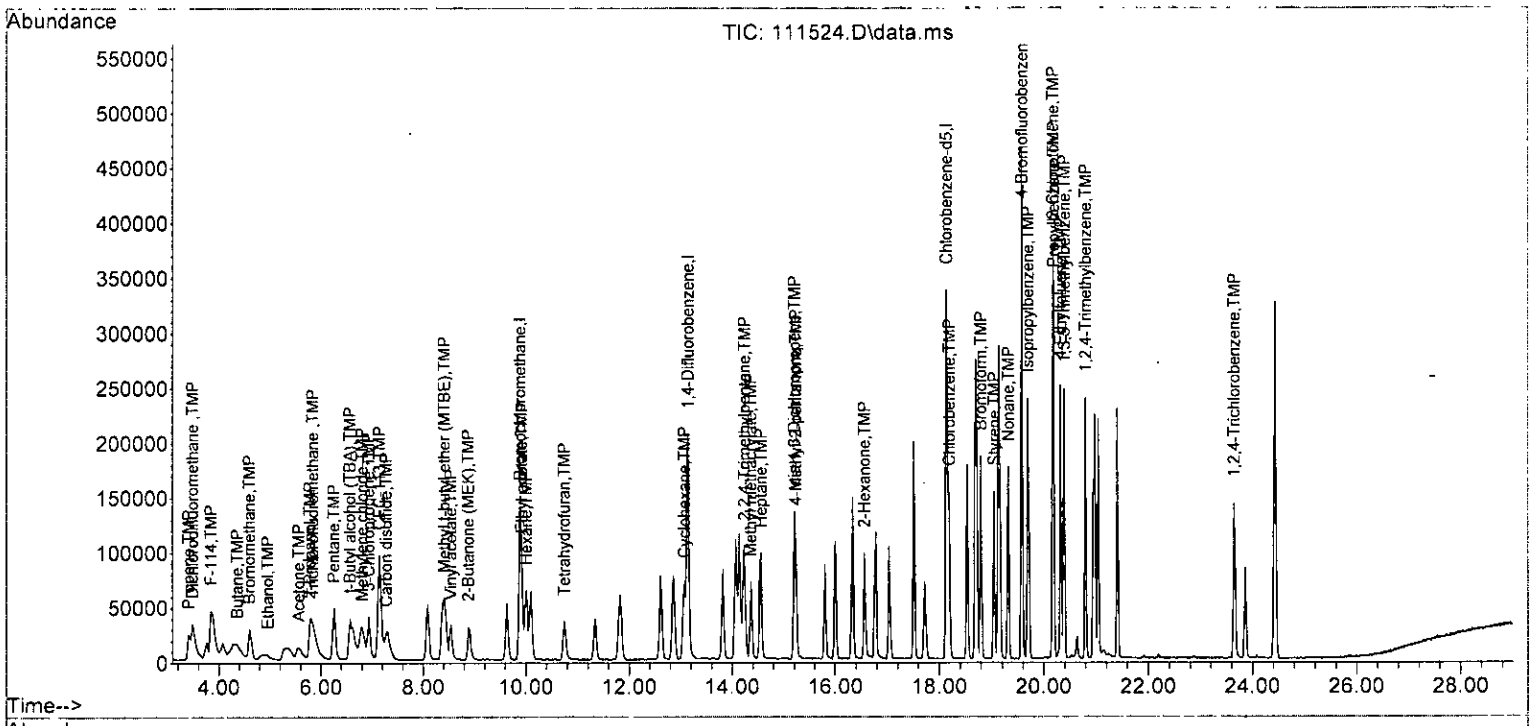
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	24576	3.788	ppbv		74
42) 2,2,4-Trimethylpentane	14.24	57	181987	4.041	ppbv		95
43) Methyl methacrylate	14.36	41	55200	4.037	ppbv		99
44) Heptane	14.56	43	74628	3.992	ppbv		97
45] Bromodichloromethane	14.04	83	97853	4.088	ppbv		100
46] Trichloroethene	14.14	95	61647	3.689	ppbv		93
47) cis-1,3-Dichloropropene	15.20	75	71047	4.212	ppbv		96
48) 4-Methyl-2-pentanone	15.23	100	5072	4.068	ppbv	#	95
49] trans-1,3-Dichloropropene	15.78	75	66217	4.173	ppbv		82
50] Toluene	16.31	92	78968	3.964	ppbv		96
51] 1,1,2-Trichloroethane	16.00	83	58159	4.058	ppbv		92
52) 2-Hexanone	16.56	43	97830	4.103	ppbv		97
53] Tetrachloroethene	17.52	164	53751	3.895	ppbv		91
54] Dibromochloromethane	16.76	129	99446	4.100	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	84835	4.008	ppbv		99
57) Chlorobenzene	18.19	112	107291	3.883	ppbv		98
58] Ethylbenzene	18.53	91	179483	4.024	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	133481	4.056	ppbv		93
60) Nonane	19.32	43	107897	4.383	ppbv		97
61) Isopropylbenzene	19.70	105	184276	4.097	ppbv		97
62) 2-Chlorotoluene	20.17	126	46312	4.118	ppbv		94
63) Propylbenzene	20.19	91	365253	4.420	ppbv		100
64) 4-Ethyltoluene	20.32	105	170650	4.219	ppbv		99
65] m,p-Xylene	18.70	106	130610	8.217	ppbv		96
66] o-Xylene	19.15	106	63741	4.130	ppbv		98
67) Styrene	19.05	104	88372	4.299	ppbv		97
68) Bromoform	18.80	173	105040	4.069	ppbv		100
70] Benzyl chloride	20.95	91	125613	4.233	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	160871	4.420	ppbv		100
72) 1,2,4-Trimethylbenzene	20.80	105	139629	4.021	ppbv		97
73] 1,3-Dichlorobenzene	20.98	146	109547	4.313	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	101668	4.278	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	108878	4.235	ppbv		93
76) 1,2,4-Trichlorobenzene	23.64	180	69458	4.076	ppbv		98
77] Naphthalene	23.84	128	99098	4.075	ppbv		98
78] Hexachlorobutadiene	24.44	225	105314	4.016	ppbv		100

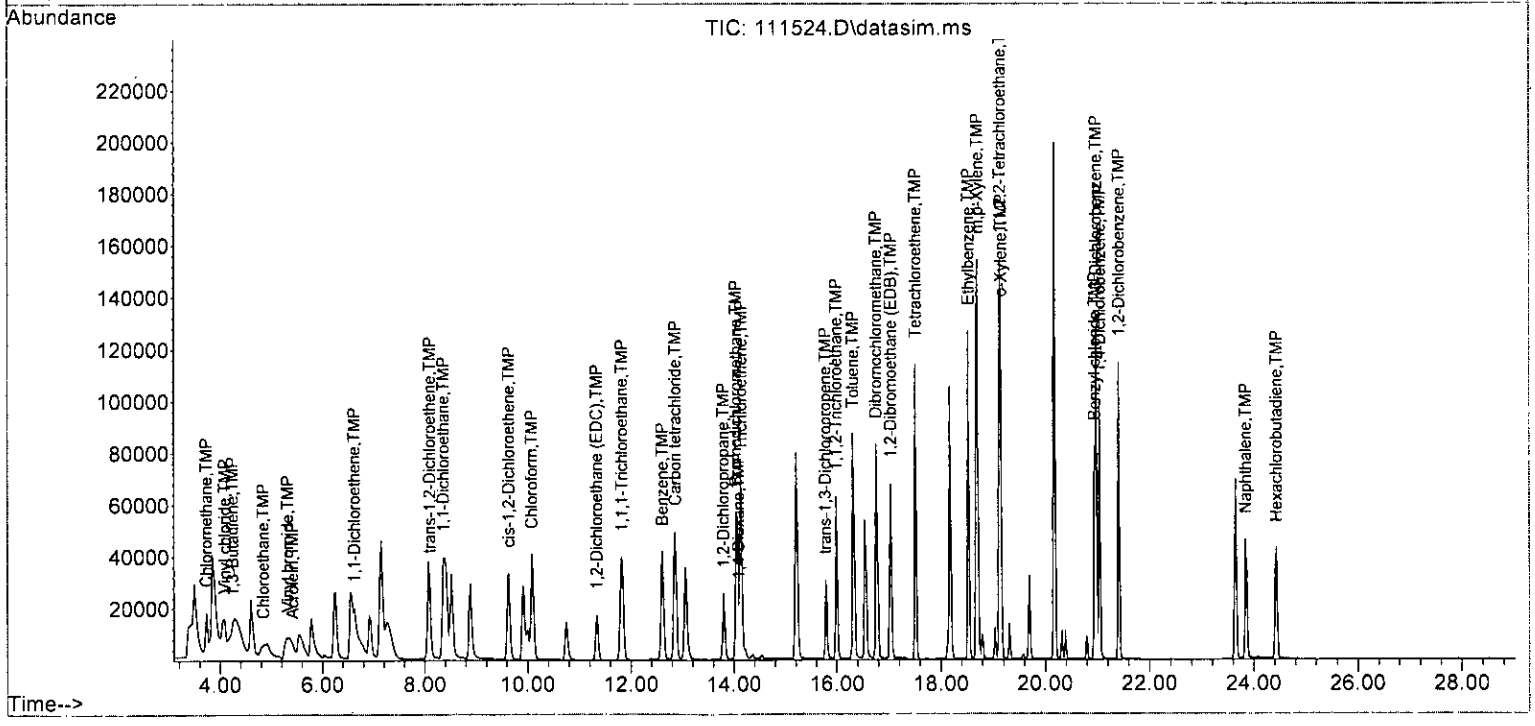
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	4.000	4.126	-3.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.000	4.011	-0.3	100	0.00
4	TMP	Chloromethane	4.000	3.839	4.0	100	0.00
5	TMP	F-114	4.000	3.971	0.7	105	-0.04
6	TMP	Vinyl chloride	4.000	3.765	5.9	100	0.00
7	TMP	1,3-Butadiene	4.000	3.728	6.8	100	-0.04
8	TMP	Butane	4.000	3.979	0.5	101	0.04
9	TMP	Bromomethane	4.000	3.664	8.4	100	0.00
10	TMP	Chloroethane	4.000	3.999	0.0	101	0.00
11	TMP	Vinyl bromide	4.000	3.982	0.4	101	0.00
12	TMP	Ethanol	4.000	3.930	1.7	100	0.00
13	TMP	Acrolein	4.000	3.543	11.4	100	0.00
14	TMP	Pentane	4.000	4.136	-3.4	100	0.00
15	TMP	Trichlorofluoromethane	4.000	4.064	-1.6	100	0.00
16	TMP	Acetone	4.000	3.684	7.9	100	0.00
17	TMP	2-Propanol	4.000	3.861	3.5	98	0.00
18	TMP	1,1-Dichloroethene	4.000	3.692	7.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	4.000	3.822	4.4	100	0.00
20	TMP	Methylene chloride	4.000	3.977	0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	4.000	4.045	-1.1	100	0.00
22	TMP	3-Chloropropene	4.000	4.099	-2.5	100	0.00
23	TMP	CFC-113	4.000	4.092	-2.3	100	0.00
24	TMP	Carbon disulfide	4.000	4.160	-4.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	4.000	3.975	0.6	100	-0.03
26	TMP	Vinyl acetate	4.000	4.224	-5.6	100	0.00
27	TMP	1,1-Dichloroethane	4.000	3.919	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	4.000	3.831	4.2	100	0.00
29	TMP	Hexane	4.000	4.069	-1.7	100	0.00
30	TMP	Chloroform	4.000	3.992	0.2	100	-0.02
31	TMP	Ethyl acetate	4.000	4.116	-2.9	100	0.00
32	TMP	Tetrahydrofuran	4.000	3.848	3.8	100	-0.01
33	TMP	2-Butanone (MEK)	4.000	4.188	-4.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	4.000	4.045	-1.1	100	0.00
35	TMP	1,1,1-Trichloroethane	4.000	4.085	-2.1	100	0.00
36	TMP	Carbon tetrachloride	4.000	4.046	-1.2	100	0.00
37	TMP	Benzene	4.000	3.997	0.1	100	0.00
38	TMP	Cyclohexane	4.000	4.002	-0.0	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	4.000	3.879	3.0	100	0.00
41	TMP	1,4-Dioxane	4.000	3.788	5.3	100	0.00
42	TMP	2,2,4-Trimethylpentane	4.000	4.041	-1.0	100	0.00
43	TMP	Methyl methacrylate	4.000	4.037	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	4.000	3.992	0.2	100	0.00
45	TMP	Bromodichloromethane	4.000	4.088	-2.2	100	0.00
46	TMP	Trichloroethene	4.000	3.689	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	4.000	4.212	-5.3	100	0.00
48	TMP	4-Methyl-2-pentanone	4.000	4.068	-1.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	4.000	4.173	-4.3	100	0.00
50	TMP	Toluene	4.000	3.964	0.9	100	0.00
51	TMP	1,1,2-Trichloroethane	4.000	4.058	-1.4	100	0.00
52	TMP	2-Hexanone	4.000	4.103	-2.6	100	0.00
53	TMP	Tetrachloroethene	4.000	3.895	2.6	100	0.00
54	TMP	Dibromochloromethane	4.000	4.100	-2.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	4.000	4.008	-0.2	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	4.000	3.883	2.9	100	0.00
58	TMP	Ethylbenzene	4.000	4.024	-0.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	4.000	4.056	-1.4	100	0.00
60	TMP	Nonane	4.000	4.383	-9.6	100	0.02
61	TMP	Isopropylbenzene	4.000	4.097	-2.4	100	0.00
62	TMP	2-Chlorotoluene	4.000	4.118	-3.0	100	0.00
63	TMP	Propylbenzene	4.000	4.420	-10.5	100	0.00
64	TMP	4-Ethyltoluene	4.000	4.219	-5.5	100	0.00
65	TMP	m,p-Xylene	8.000	8.217	-2.7	100	0.00
66	TMP	o-Xylene	4.000	4.130	-3.2	100	0.00
67	TMP	Styrene	4.000	4.299	-7.5	100	0.00
68	TMP	Bromoform	4.000	4.069	-1.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.561	-5.6	100	0.00
70	TMP	Benzyl chloride	4.000	4.233	-5.8	101	0.00
71	TMP	1,3,5-Trimethylbenzene	4.000	4.420	-10.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	4.000	4.021	-0.5	100	0.00
73	TMP	1,3-Dichlorobenzene	4.000	4.313	-7.8	100	0.00
74	TMP	1,4-Dichlorobenzene	4.000	4.278	-6.9	100	0.00
75	TMP	1,2-Dichlorobenzene	4.000	4.235	-5.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	4.000	4.076	-1.9	100	0.00
77	TMP	Naphthalene	4.000	4.075	-1.9	100	0.00
78	TMP	Hexachlorobutadiene	4.000	4.016	-0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.357	12.8	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.134	-0.3	100	0.00
4	TMP	Chloromethane	1.882	1.807	4.0	100	0.00
5	TMP	F-114	4.217	4.186	0.7	105	-0.04
6	TMP	Vinyl chloride	1.851	1.742	5.9	100	0.00
7	TMP	1,3-Butadiene	1.216	1.133	6.8	100	-0.04
8	TMP	Butane	2.183	2.171	0.5	101	0.04
9	TMP	Bromomethane	1.847	1.692	8.4	100	0.00
10	TMP	Chloroethane	0.655	0.654	0.2	101	0.00
11	TMP	Vinyl bromide	1.609	1.602	0.4	101	0.00
12	TMP	Ethanol	0.663	0.652	1.7	100	0.00
13	TMP	Acrolein	0.729	0.646	11.4	100	0.00
14	TMP	Pentane	2.461	2.544	-3.4	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.858	-1.6	100	0.00
16	TMP	Acetone	0.710	0.654	7.9	100	0.00
17	TMP	2-Propanol	3.096	2.988	3.5	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.519	7.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.527	4.4	100	0.00
20	TMP	Methylene chloride	1.479	1.470	0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.698	-1.1	100	0.00
22	TMP	3-Chloropropene	2.056	2.107	-2.5	100	0.00
23	TMP	CFC-113	3.469	3.549	-2.3	100	0.00
24	TMP	Carbon disulfide	5.167	5.373	-4.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.413	0.6	100	-0.03
26	TMP	Vinyl acetate	3.801	4.014	-5.6	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.275	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.619	4.2	100	0.00
29	TMP	Hexane	2.068	2.104	-1.7	100	0.00
30	TMP	Chloroform	4.060	3.797	6.5	100	-0.02
31	TMP	Ethyl acetate	3.789	3.898	-2.9	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.741	3.8	100	-0.01
33	TMP	2-Butanone (MEK)	0.619	0.648	-4.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.569	4.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.415	-2.2	100	0.00
36	TMP	Carbon tetrachloride	3.523	3.563	-1.1	100	0.00
37	TMP	Benzene	5.688	5.164	9.2	100	0.00
38	TMP	Cyclohexane	1.367	1.368	-0.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.525	3.0	100	0.00
41	TMP	1,4-Dioxane	0.230	0.218	5.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.615	-1.1	100	0.00
43	TMP	Methyl methacrylate	0.485	0.490	-1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

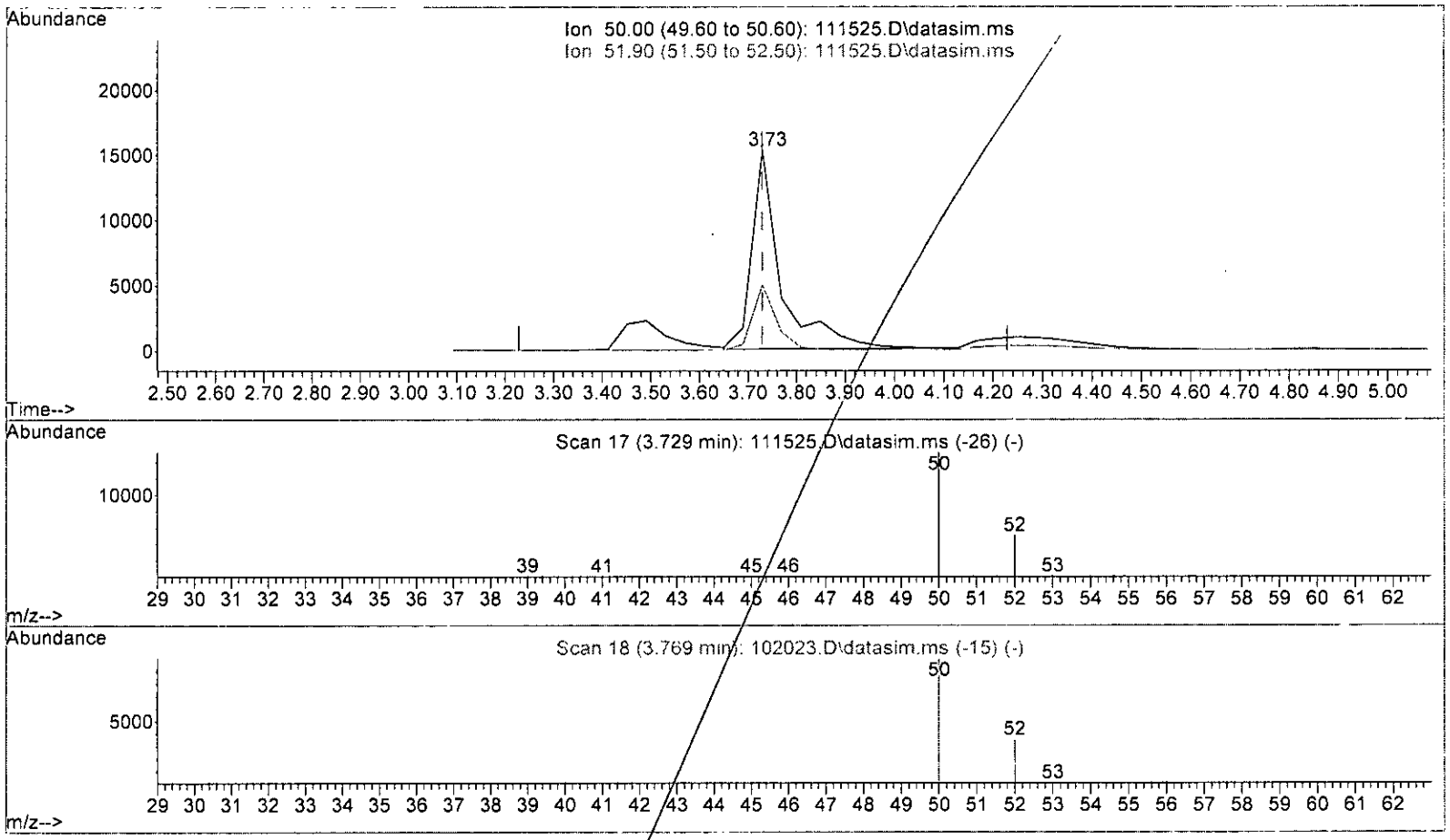
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.662	0.2	100	0.00
45	TMP	Bromodichloromethane	0.850	0.868	-2.1	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.630	-5.2	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.588	-4.4	100	0.00
50	TMP	Toluene	0.707	0.701	0.8	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.516	6.2	100	0.00
52	TMP	2-Hexanone	0.846	0.868	-2.6	100	0.00
53	TMP	Tetrachloroethene	0.490	0.477	2.7	100	0.00
54	TMP	Dibromochloromethane	0.861	0.882	-2.4	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.753	8.6	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.069	2.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.788	9.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.329	4.7	100	0.00
60	TMP	Nonane	0.981	1.075	-9.6	100	0.02
61	TMP	Isopropylbenzene	1.792	1.835	-2.4	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.461	-2.9	100	0.00
63	TMP	Propylbenzene	3.292	3.638	-10.5	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.700	-5.5	100	0.00
65	TMP	m,p-Xylene	0.633	0.650	-2.7	100	0.00
66	TMP	o-Xylene	0.615	0.635	-3.3	100	0.00
67	TMP	Styrene	0.819	0.880	-7.4	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.732	-5.6	100	0.00
70	TMP	Benzyl chloride	0.987	1.251	-26.7	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.602	-10.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.391	-11.5	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.091	-7.8	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.013	-7.0	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.084	-5.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.692	-10.5	100	0.00
77	TMP	Naphthalene	1.132	0.987	12.8	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.049	-0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 5.489 ppbv

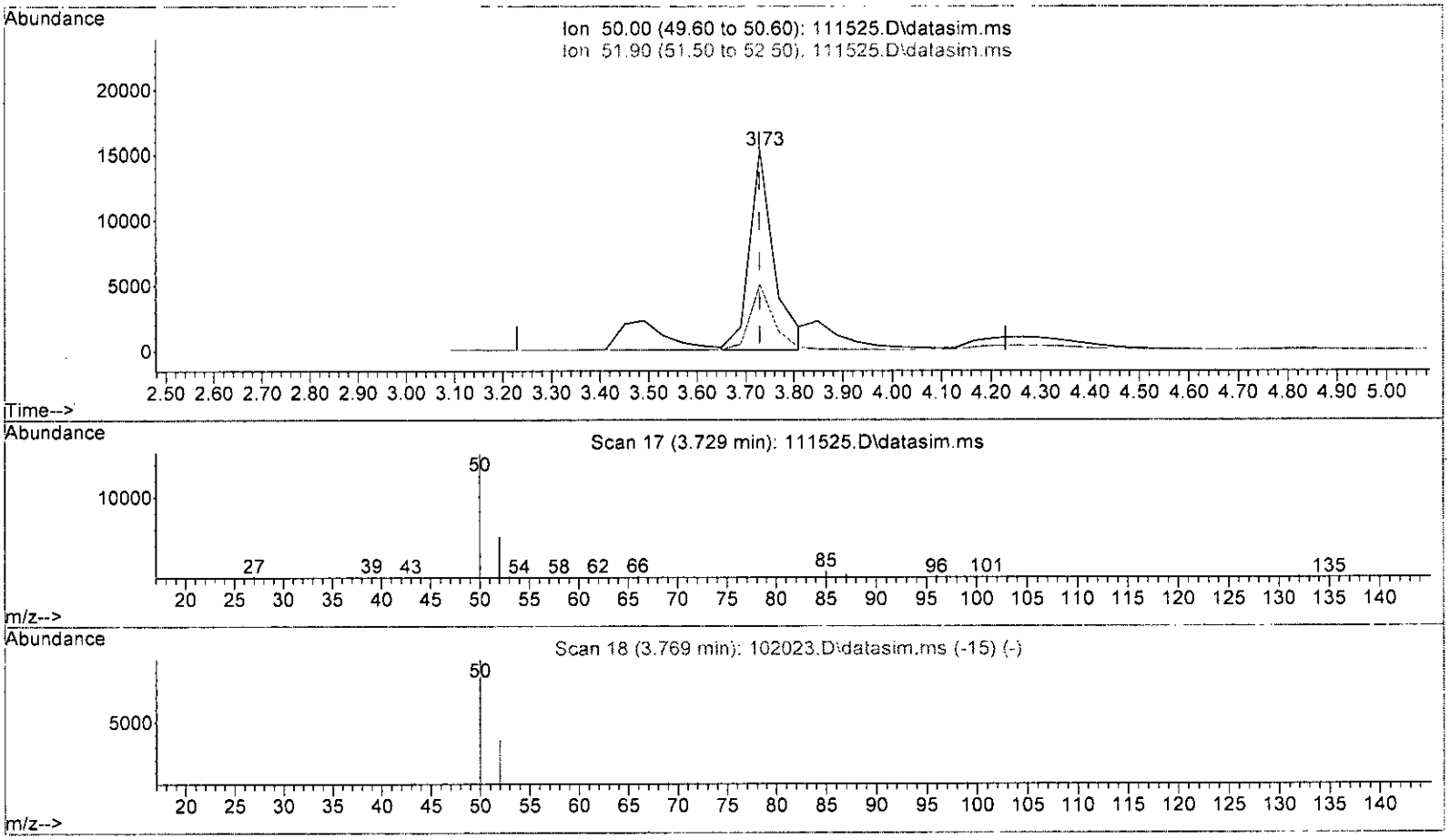
response 63014

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 4.721 ppbv m

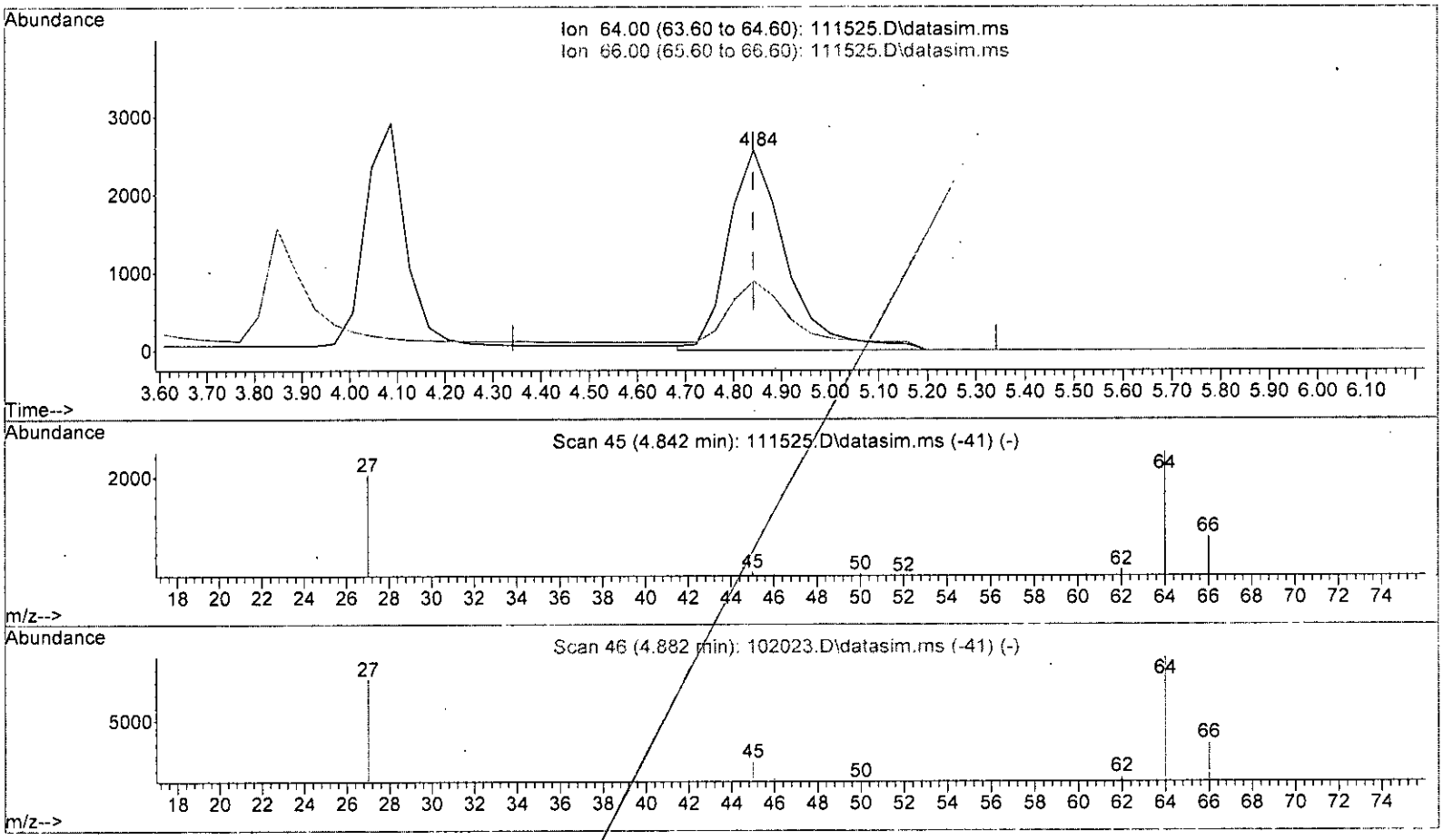
response 54199

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 5.142 ppbv

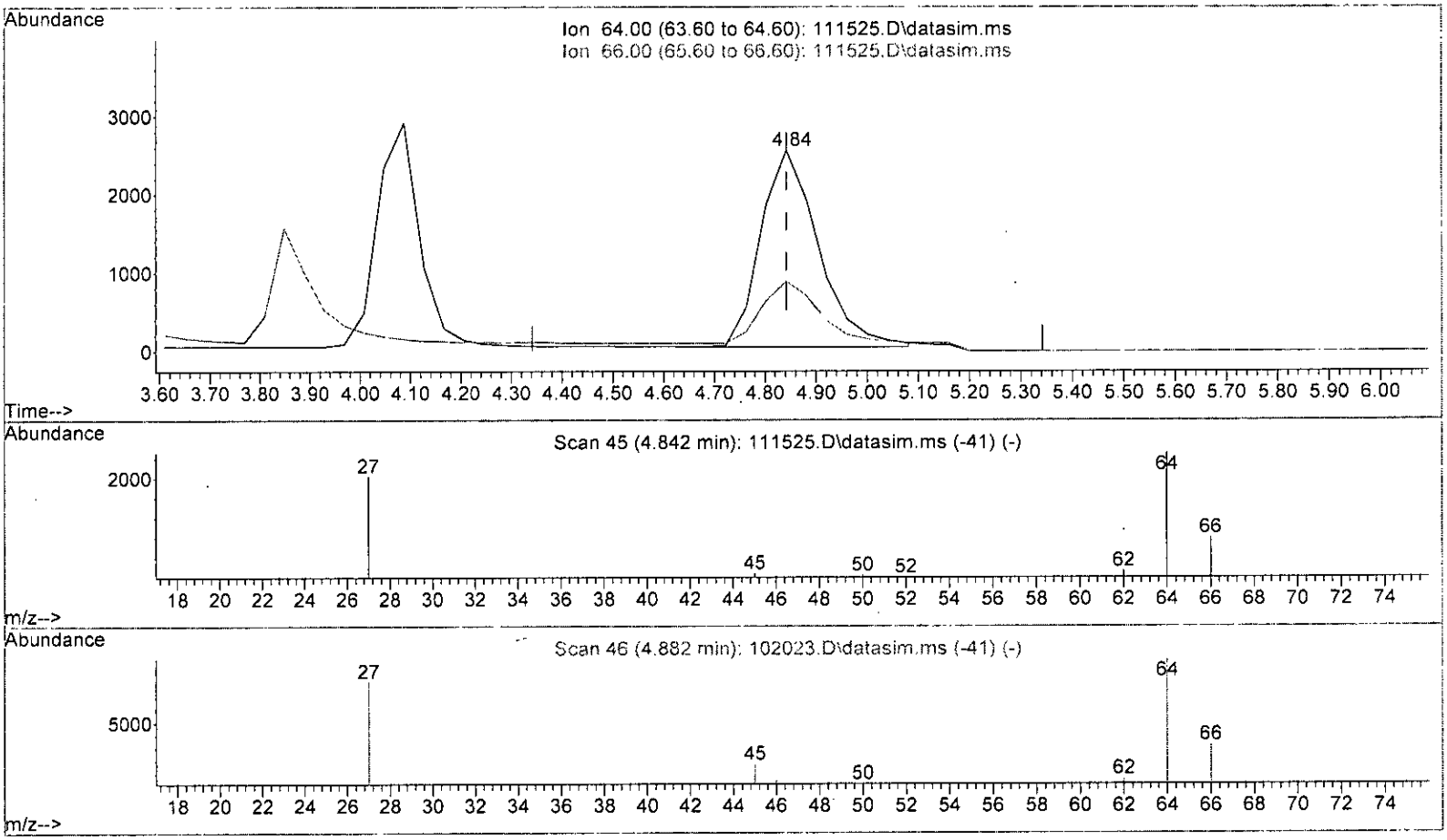
response 20522

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 4.928 ppbv m

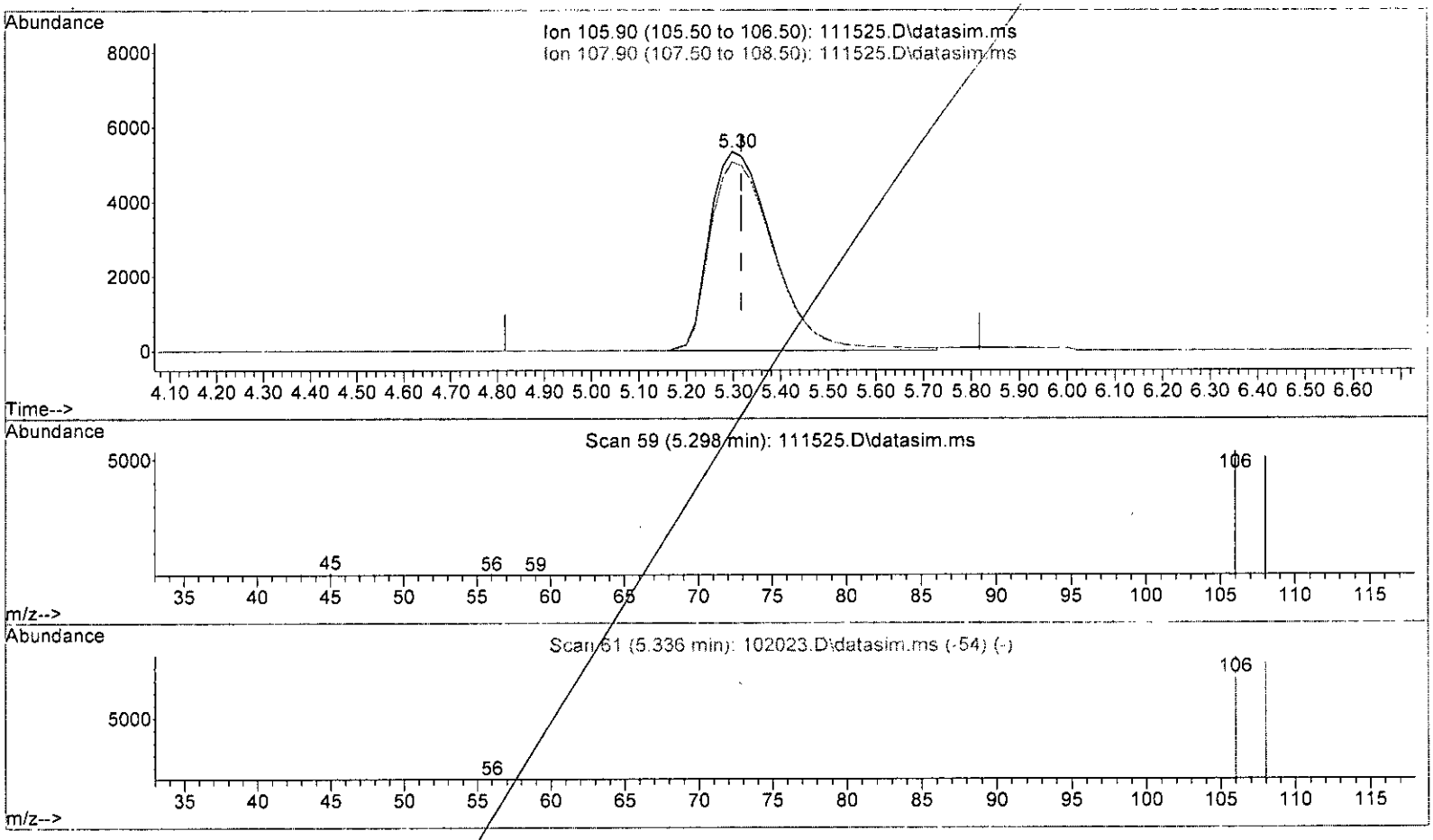
response 19668

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(11) Vinyl bromide (TMP)

5.298min (-0.019) 5.443 ppbv

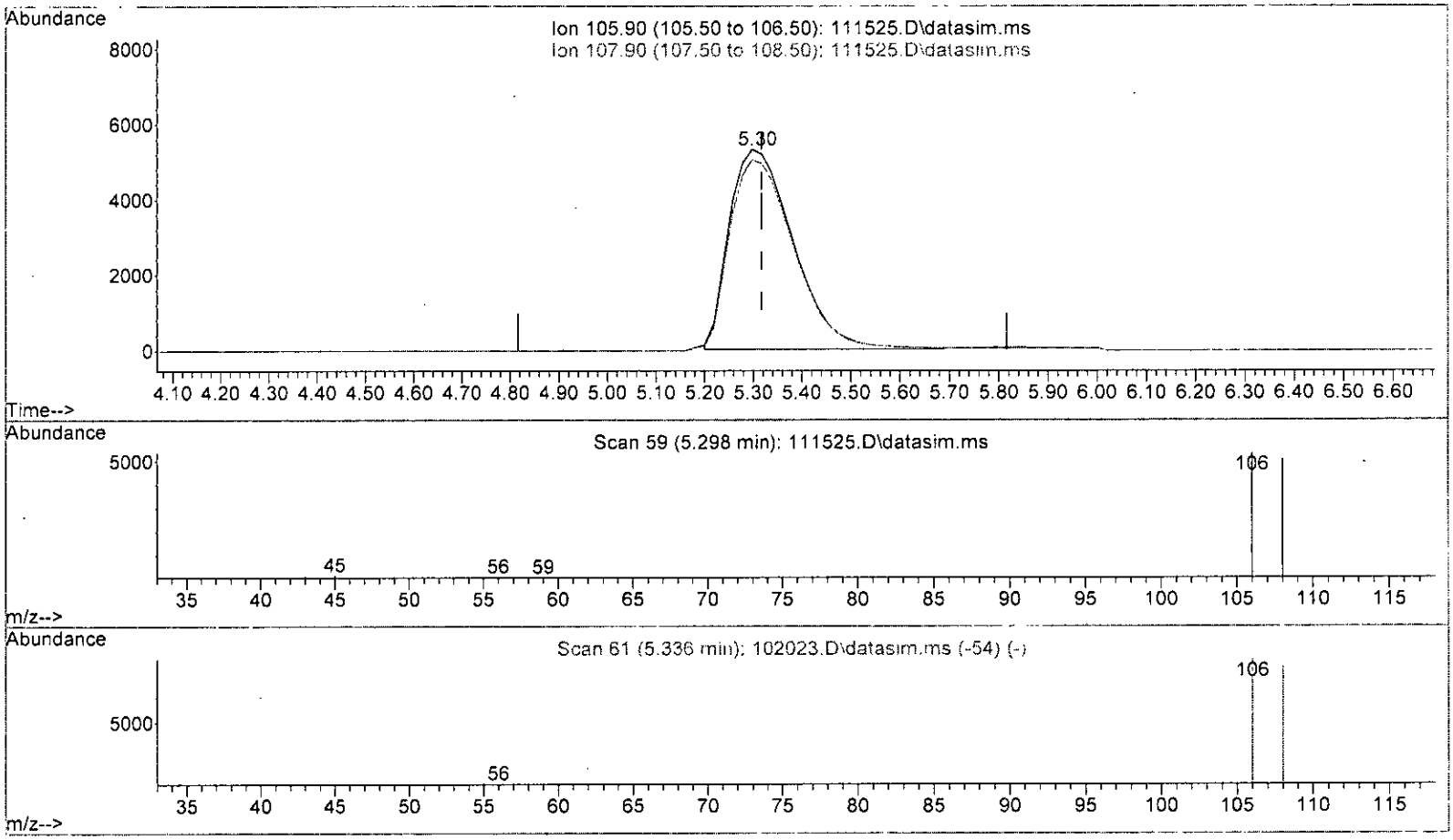
response 53420

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(11) Vinyl bromide (TMP)

5.298min (-0.019) 4.925 ppbv m

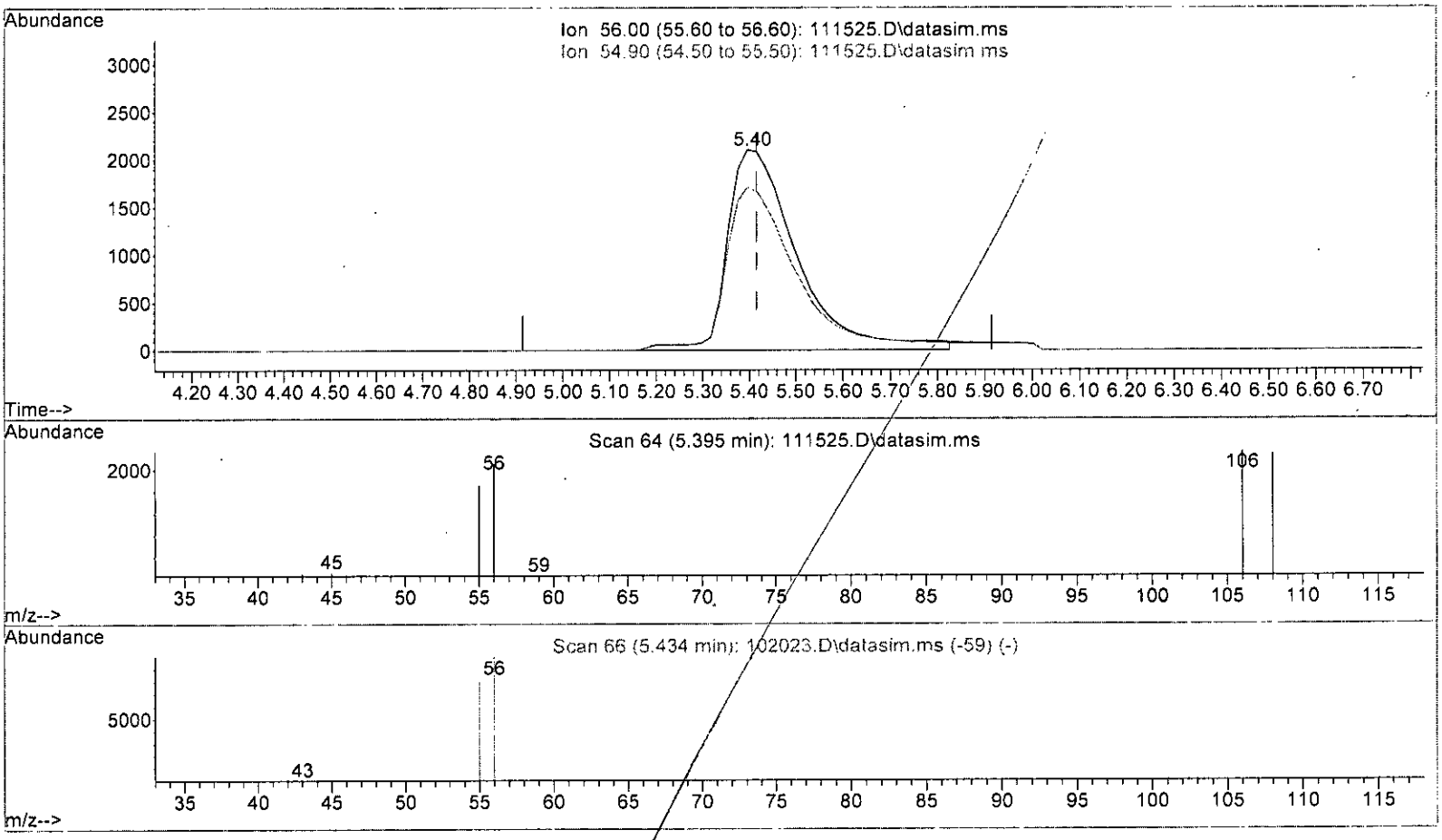
response 48337

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	104.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 5.182 ppbv

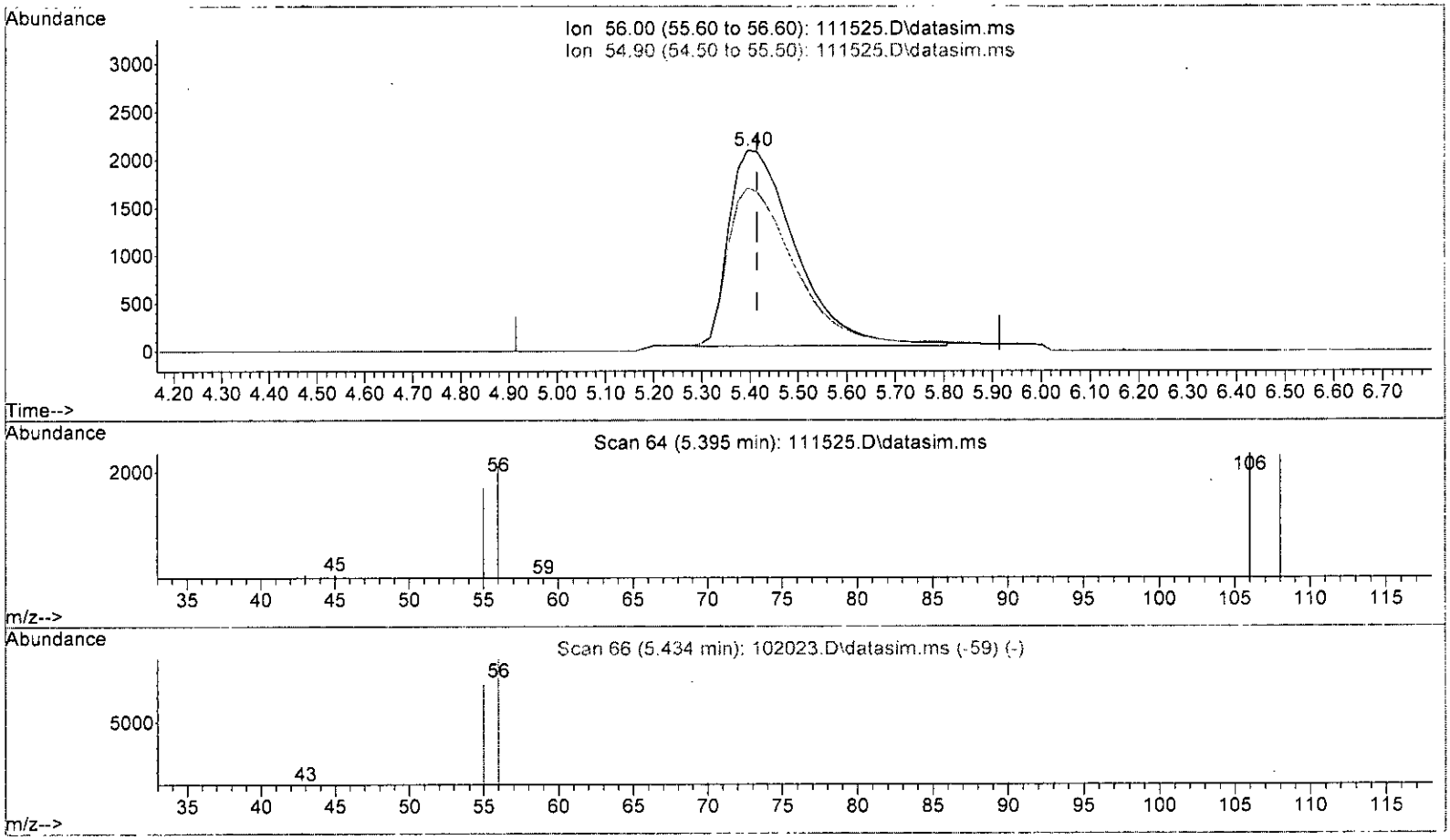
response 23034

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	70.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 4.427 ppbv m

response 19678

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	60983	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	276283	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	244337	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	182039	10.751	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	41138	5.122	ppbv		91
3) Dichlorodifluoromethane	3.49	85	123681	4.920	ppbv		99
4] Chloromethane	3.73	50	54199m	4.721	ppbv		
5) F-114	3.84	85	123062	4.785	ppbv		98
6] Vinyl chloride	4.09	62	52067	4.614	ppbv		98
7] 1,3-Butadiene	4.25	54	34424	4.642	ppbv	#	93
8) Butane	4.32	43	67886	5.100	ppbv		99
9) Bromomethane	4.60	94	50664	4.498	ppbv		99
10] Chloroethane	4.84	64	19668m	4.928	ppbv		
11] Vinyl bromide	5.30	106	48337m	4.925	ppbv		
12) Ethanol	4.96	45	17741	4.387	ppbv		96
13] Acrolein	5.40	56	19678m	4.427	ppbv		
14) Pentane	6.25	43	73820	4.919	ppbv		98
15) Trichlorofluoromethane	5.84	101	143109	4.908	ppbv		97
16) Acetone	5.57	58	19212	4.434	ppbv	#	80
17) 2-Propanol	5.78	45	91063	4.823	ppbv		98
18] 1,1-Dichloroethene	6.63	96	45669	4.552	ppbv		98
19] trans-1,2-Dichloroethene	8.10	96	45685	4.688	ppbv	#	69
20) Methylene chloride	6.80	84	45366	5.030	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	83643	5.141	ppbv	#	78
22) 3-Chloropropene	6.94	41	66905	5.336	ppbv		99
23) CFC-113	7.15	101	102655	4.852	ppbv		97
24) Carbon disulfide	7.28	76	162349	5.153	ppbv		96
25) Methyl t-butyl ether (...	8.41	73	102603	4.900	ppbv		96
26) Vinyl acetate	8.54	43	121623	5.247	ppbv		97
27] 1,1-Dichloroethane	8.36	63	98087	4.812	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	48427	4.699	ppbv		97
29) Hexane	10.01	57	62850	4.983	ppbv		92
30] Chloroform	10.08	83	113492	4.923	ppbv		96
31) Ethyl acetate	9.92	43	117638	5.092	ppbv		99
32) Tetrahydrofuran	10.74	42	53194	4.821	ppbv		100
33) 2-Butanone (MEK)	8.88	72	19398	5.140	ppbv	#	93
34] 1,2-Dichloroethane (EDC)	11.34	62	76451	4.958	ppbv		100
35] 1,1,1-Trichloroethane	11.81	97	102962	5.050	ppbv		98
36] Carbon tetrachloride	12.86	117	106309	4.949	ppbv		97
37] Benzene	12.61	78	153957	4.914	ppbv		95
38) Cyclohexane	13.07	84	40106	4.811	ppbv		97
40] 1,2-Dichloropropane	13.80	63	72152	4.823	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

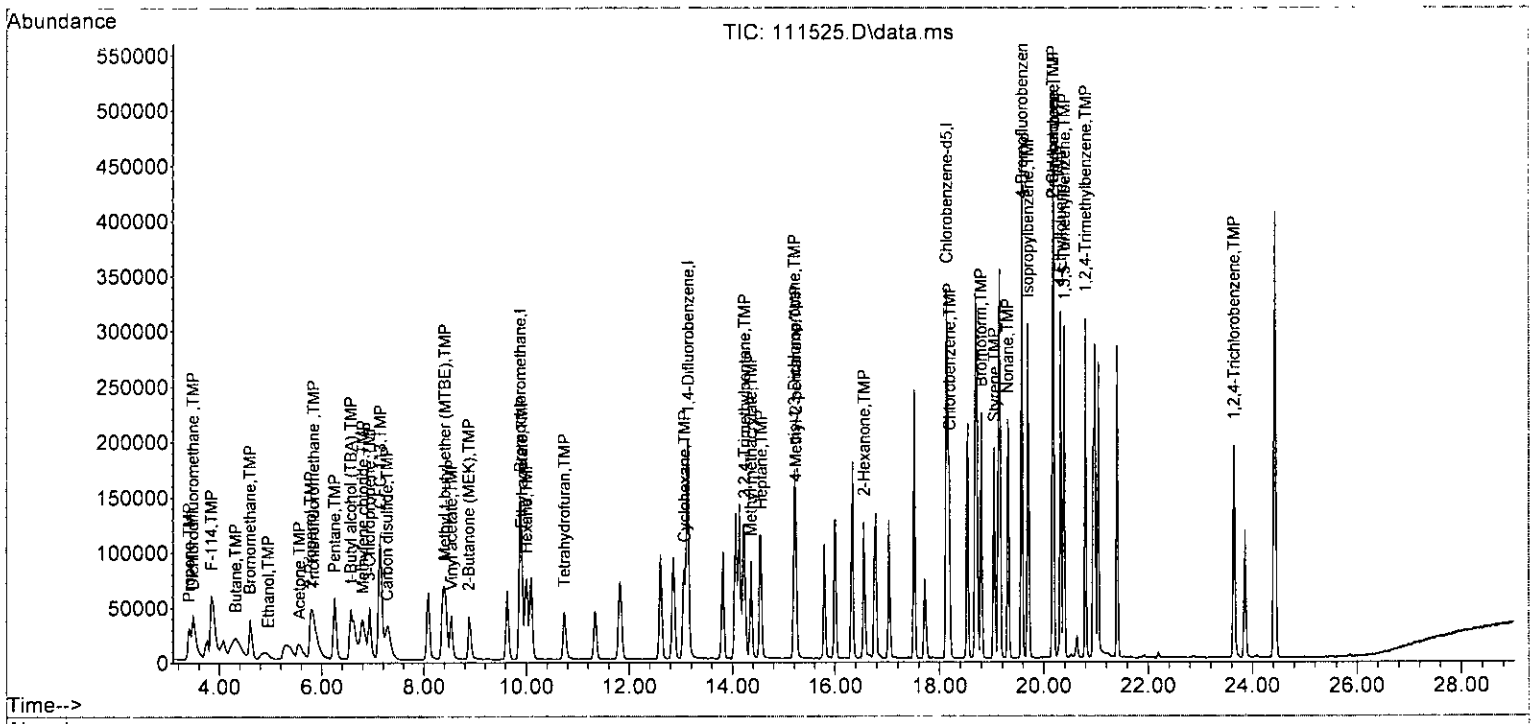
Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

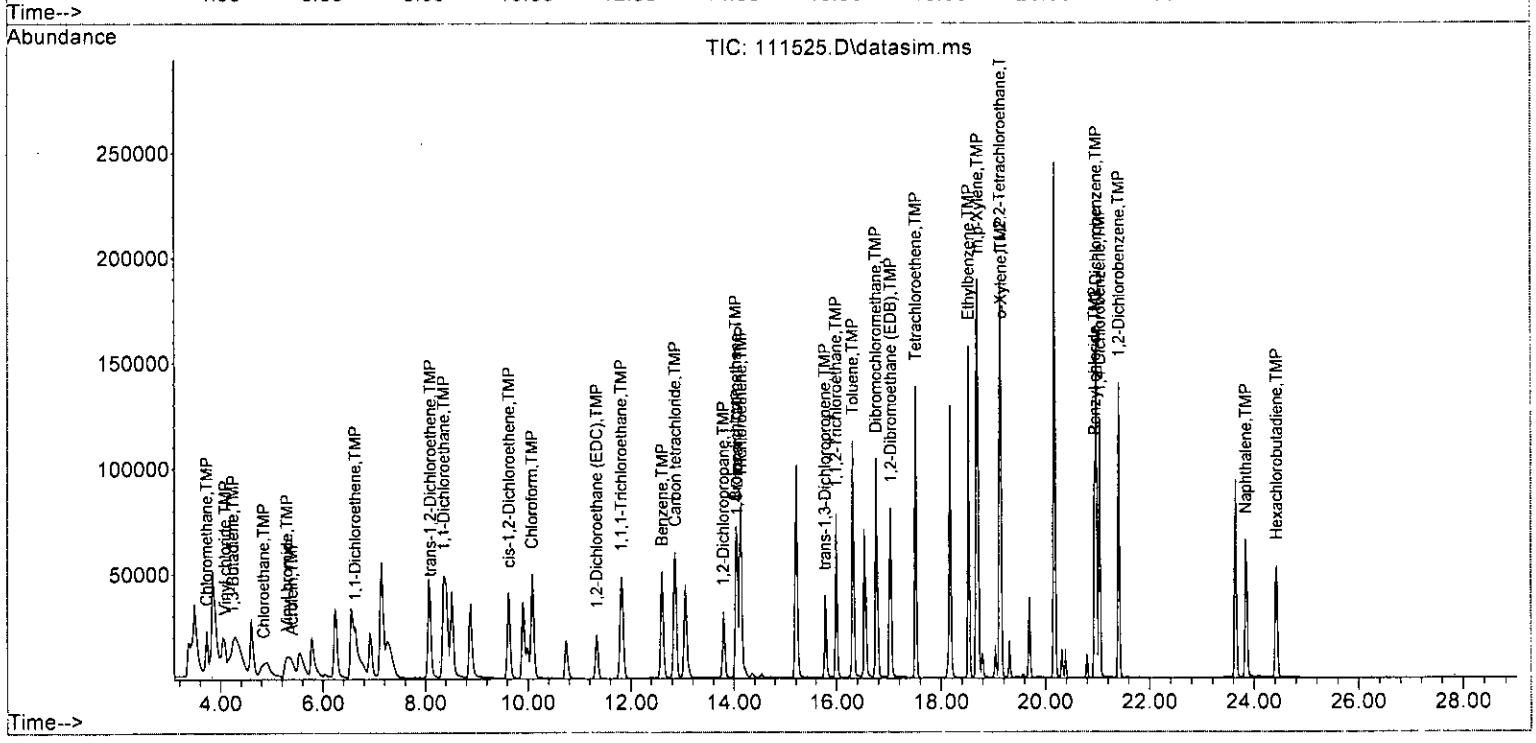
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	30557	4.803	ppbv		88
42) 2,2,4-Trimethylpentane	14.24	57	224195	5.077	ppbv		96
43) Methyl methacrylate	14.36	41	66849	4.986	ppbv		97
44) Heptane	14.56	43	95586	5.215	ppbv		99
45] Bromodichloromethane	14.04	83	119739	5.101	ppbv		99
46] Trichloroethene	14.14	95	75582	4.612	ppbv		91
47) cis-1,3-Dichloropropene	15.20	75	89766	5.427	ppbv		97
48) 4-Methyl-2-pentanone	15.23	100	6253	5.114	ppbv	#	96
49] trans-1,3-Dichloropropene	15.78	75	81515	5.239	ppbv		84
50] Toluene	16.31	92	96765	4.954	ppbv		95
51] 1,1,2-Trichloroethane	16.00	83	70313	5.048	ppbv		91
52) 2-Hexanone	16.56	43	122607	5.244	ppbv		95
53] Tetrachloroethene	17.52	164	71945	5.316	ppbv		92
54] Dibromochloromethane	16.76	129	121070	5.091	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	104659	5.086	ppbv		100
57) Chlorobenzene	18.19	112	133240	4.954	ppbv		97
58] Ethylbenzene	18.53	91	222923	5.156	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	161620	5.092	ppbv		92
60) Nonane	19.30	43	132738	5.540	ppbv		100
61) Isopropylbenzene	19.70	105	232200	5.303	ppbv		100
62) 2-Chlorotoluene	20.17	126	58276	5.324	ppbv		89
63) Propylbenzene	20.17	91	449296	5.586	ppbv		98
64) 4-Ethyltoluene	20.32	105	214541	5.449	ppbv		100
65] m,p-Xylene	18.70	106	162637	10.511	ppbv		95
66] o-Xylene	19.15	106	78349	5.216	ppbv		98
67) Styrene	19.05	104	107940	5.394	ppbv		98
68) Bromoform	18.80	173	127834	5.087	ppbv		100
70] Benzyl chloride	20.95	91	157683	5.383	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	199336	5.626	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	178302	5.189	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	135650	5.486	ppbv		98
74] 1,4-Dichlorobenzene	21.05	146	126517	5.469	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	135159	5.401	ppbv		93
76) 1,2,4-Trichlorobenzene	23.64	180	94340	5.395	ppbv		99
77] Naphthalene	23.84	128	141473	5.351	ppbv		99
78] Hexachlorobutadiene	24.44	225	129729	5.083	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	5.000	5.122	-2.4	100	0.00
3	TMP	Dichlorodifluoromethane	5.000	4.920	1.6	100	0.00
4	TMP	Chloromethane	5.000	4.721	5.6	100	0.00
5	TMP	F-114	5.000	4.785	4.3	100	-0.04
6	TMP	Vinyl chloride	5.000	4.614	7.7	100	0.00
7	TMP	1,3-Butadiene	5.000	4.642	7.2	100	-0.04
8	TMP	Butane	5.000	5.100	-2.0	101	0.00
9	TMP	Bromomethane	5.000	4.498	10.0	100	0.00
10	TMP	Chloroethane	5.000	4.928	1.4	101	0.00
11	TMP	Vinyl bromide	5.000	4.925	1.5	102	-0.02
12	TMP	Ethanol	5.000	4.387	12.3	100	0.00
13	TMP	Acrolein	5.000	4.427	11.5	101	-0.02
14	TMP	Pentane	5.000	4.919	1.6	100	0.00
15	TMP	Trichlorofluoromethane	5.000	4.908	1.8	99	0.00
16	TMP	Acetone	5.000	4.434	11.3	100	0.00
17	TMP	2-Propanol	5.000	4.823	3.5	99	0.00
18	TMP	1,1-Dichloroethene	5.000	4.552	9.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	5.000	4.688	6.2	100	0.00
20	TMP	Methylene chloride	5.000	5.030	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	5.000	5.141	-2.8	100	0.00
22	TMP	3-Chloropropene	5.000	5.336	-6.7	100	0.00
23	TMP	CFC-113	5.000	4.852	3.0	100	0.00
24	TMP	Carbon disulfide	5.000	5.153	-3.1	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	5.000	4.900	2.0	100	-0.03
26	TMP	Vinyl acetate	5.000	5.247	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	5.000	4.812	3.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	5.000	4.699	6.0	100	0.00
29	TMP	Hexane	5.000	4.983	0.3	100	0.00
30	TMP	Chloroform	5.000	4.923	1.5	100	-0.02
31	TMP	Ethyl acetate	5.000	5.092	-1.8	100	0.00
32	TMP	Tetrahydrofuran	5.000	4.821	3.6	100	0.00
33	TMP	2-Butanone (MEK)	5.000	5.140	-2.8	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	5.000	4.958	0.8	100	0.00
35	TMP	1,1,1-Trichloroethane	5.000	5.050	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	5.000	4.949	1.0	100	0.00
37	TMP	Benzene	5.000	4.914	1.7	100	0.00
38	TMP	Cyclohexane	5.000	4.811	3.8	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	5.000	4.823	3.5	100	0.00
41	TMP	1,4-Dioxane	5.000	4.803	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	5.000	5.077	-1.5	100	0.00
43	TMP	Methyl methacrylate	5.000	4.986	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	5.000	5.215	-4.3	100	0.00
45	TMP	Bromodichloromethane	5.000	5.101	-2.0	100	0.00
46	TMP	Trichloroethene	5.000	4.612	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	5.000	5.427	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	5.000	5.114	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	5.000	5.239	-4.8	100	0.00
50	TMP	Toluene	5.000	4.954	0.9	100	0.00
51	TMP	1,1,2-Trichloroethane	5.000	5.048	-1.0	100	0.00
52	TMP	2-Hexanone	5.000	5.244	-4.9	100	0.00
53	TMP	Tetrachloroethene	5.000	5.316	-6.3	100	0.00
54	TMP	Dibromochloromethane	5.000	5.091	-1.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	5.000	5.086	-1.7	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	5.000	4.954	0.9	100	0.00
58	TMP	Ethylbenzene	5.000	5.156	-3.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	5.000	5.092	-1.8	100	0.00
60	TMP	Nonane	5.000	5.540	-10.8	100	0.00
61	TMP	Isopropylbenzene	5.000	5.303	-6.1	100	0.00
62	TMP	2-Chlorotoluene	5.000	5.324	-6.5	100	0.00
63	TMP	Propylbenzene	5.000	5.586	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	5.000	5.449	-9.0	100	0.00
65	TMP	m,p-Xylene	10.000	10.511	-5.1	100	0.00
66	TMP	o-Xylene	5.000	5.216	-4.3	100	0.00
67	TMP	Styrene	5.000	5.394	-7.9	100	0.00
68	TMP	Bromoform	5.000	5.087	-1.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.751	-7.5	100	0.00
70	TMP	Benzyl chloride	5.000	5.383	-7.7	101	0.00
71	TMP	1,3,5-Trimethylbenzene	5.000	5.626	-12.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	5.000	5.189	-3.8	100	0.00
73	TMP	1,3-Dichlorobenzene	5.000	5.486	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	5.000	5.469	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	5.000	5.401	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	5.000	5.395	-7.9	100	0.00
77	TMP	Naphthalene	5.000	5.351	-7.0	100	0.00
78	TMP	Hexachlorobutadiene	5.000	5.083	-1.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.349	13.3	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.056	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.778	5.5	100	0.00
5	TMP	F-114	4.217	4.036	4.3	100	-0.04
6	TMP	Vinyl chloride	1.851	1.708	7.7	100	0.00
7	TMP	1,3-Butadiene	1.216	1.129	7.2	100	-0.04
8	TMP	Butane	2.183	2.226	-2.0	101	0.00
9	TMP	Bromomethane	1.847	1.662	10.0	100	0.00
10	TMP	Chloroethane	0.655	0.645	1.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.585	1.5	102	-0.02
12	TMP	Ethanol	0.663	0.582	12.2	100	0.00
13	TMP	Acrolein	0.729	0.645	11.5	101	-0.02
14	TMP	Pentane	2.461	2.421	1.6	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.693	1.8	99	0.00
16	TMP	Acetone	0.710	0.630	11.3	100	0.00
17	TMP	2-Propanol	3.096	2.987	3.5	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.498	8.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.498	6.3	100	0.00
20	TMP	Methylene chloride	1.479	1.488	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.743	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.194	-6.7	100	0.00
23	TMP	CFC-113	3.469	3.367	2.9	100	0.00
24	TMP	Carbon disulfide	5.167	5.324	-3.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.365	2.0	100	-0.03
26	TMP	Vinyl acetate	3.801	3.989	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.217	3.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.588	6.0	100	0.00
29	TMP	Hexane	2.068	2.061	0.3	100	0.00
30	TMP	Chloroform	4.060	3.722	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.858	-1.8	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.745	3.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.636	-2.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.507	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.377	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.487	1.0	100	0.00
37	TMP	Benzene	5.688	5.049	11.2	100	0.00
38	TMP	Cyclohexane	1.367	1.315	3.8	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.522	3.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.221	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.623	-1.6	100	0.00
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.692	-4.4	100	0.00
45	TMP	Bromodichloromethane	0.850	0.867	-2.0	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.650	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.590	-4.8	100	0.00
50	TMP	Toluene	0.707	0.700	1.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.509	7.5	100	0.00
52	TMP	2-Hexanone	0.846	0.888	-5.0	100	0.00
53	TMP	Tetrachloroethene	0.490	0.521	-6.3	100	0.00
54	TMP	Dibromochloromethane	0.861	0.876	-1.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.758	8.0	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.091	0.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.825	7.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.323	5.1	100	0.00
60	TMP	Nonane	0.981	1.087	-10.8	100	0.00
61	TMP	Isopropylbenzene	1.792	1.901	-6.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.477	-6.5	100	0.00
63	TMP	Propylbenzene	3.292	3.678	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.756	-9.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.666	-5.2	100	0.00
66	TMP	o-Xylene	0.615	0.641	-4.2	100	0.00
67	TMP	Styrene	0.819	0.884	-7.9	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.291	-30.8#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.632	-12.6	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.459	-17.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.110	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.036	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.106	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.772	-23.3	100	0.00
77	TMP	Naphthalene	1.132	1.158	-2.3	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.062	-1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.349	13.3	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.056	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.778	5.5	100	0.00
5	TMP	F-114	4.217	4.036	4.3	100	-0.04
6	TMP	Vinyl chloride	1.851	1.708	7.7	100	0.00
7	TMP	1,3-Butadiene	1.216	1.129	7.2	100	-0.04
8	TMP	Butane	2.183	2.226	-2.0	101	0.00
9	TMP	Bromomethane	1.847	1.662	10.0	100	0.00
10	TMP	Chloroethane	0.655	0.645	1.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.585	1.5	102	-0.02
12	TMP	Ethanol	0.663	0.582	12.2	100	0.00
13	TMP	Acrolein	0.729	0.645	11.5	101	-0.02
14	TMP	Pentane	2.461	2.421	1.6	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.693	1.8	99	0.00
16	TMP	Acetone	0.710	0.630	11.3	100	0.00
17	TMP	2-Propanol	3.096	2.987	3.5	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.498	8.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.498	6.3	100	0.00
20	TMP	Methylene chloride	1.479	1.488	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.743	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.194	-6.7	100	0.00
23	TMP	CFC-113	3.469	3.367	2.9	100	0.00
24	TMP	Carbon disulfide	5.167	5.324	-3.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.365	2.0	100	-0.03
26	TMP	Vinyl acetate	3.801	3.989	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.217	3.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.588	6.0	100	0.00
29	TMP	Hexane	2.068	2.061	0.3	100	0.00
30	TMP	Chloroform	4.060	3.722	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.858	-1.8	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.745	3.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.636	-2.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.507	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.377	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.487	1.0	100	0.00
37	TMP	Benzene	5.688	5.049	11.2	100	0.00
38	TMP	Cyclohexane	1.367	1.315	3.8	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.522	3.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.221	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.623	-1.6	100	0.00
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

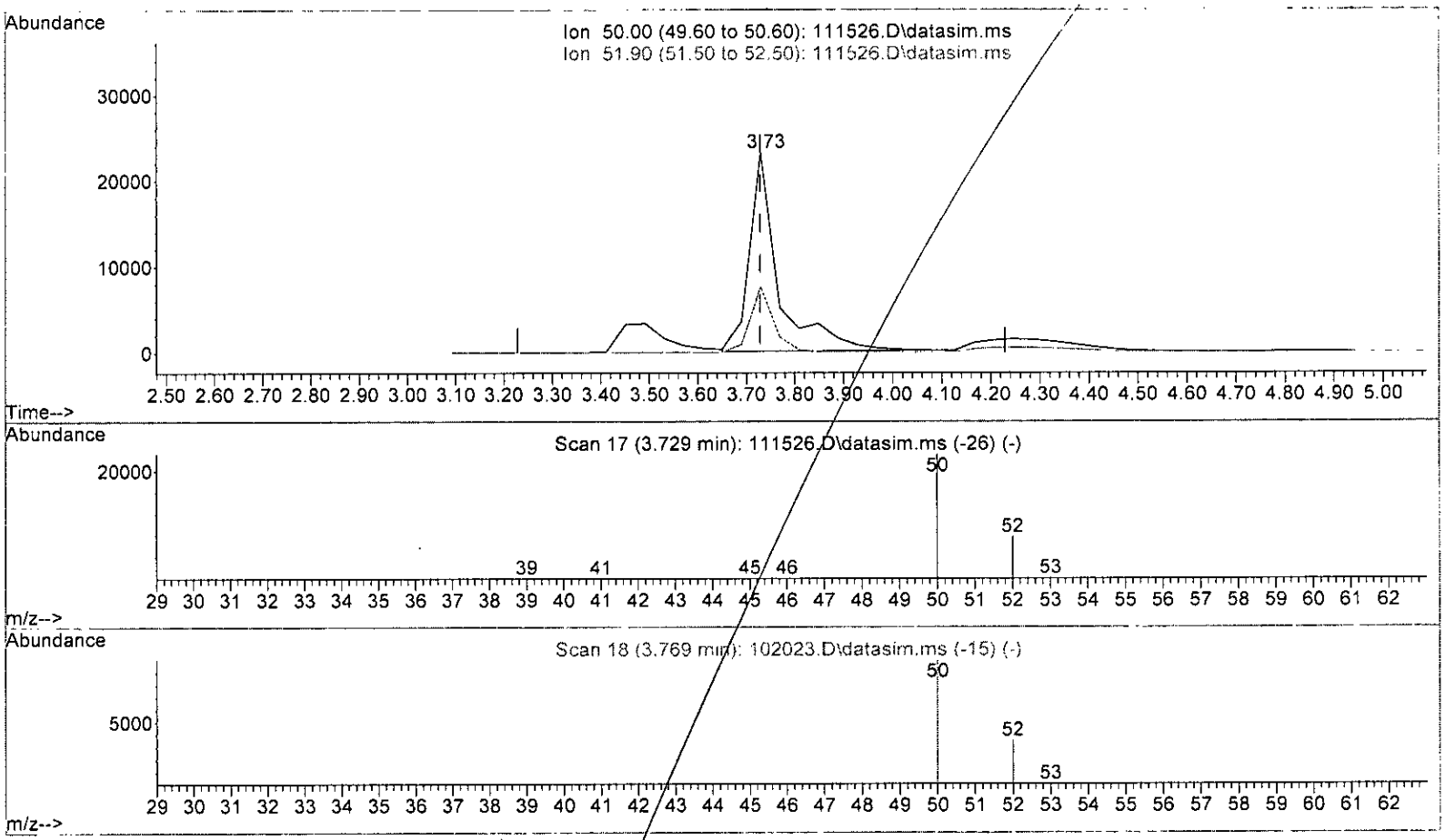
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.692	-4.4	100	0.00
45	TMP	Bromodichloromethane	0.850	0.867	-2.0	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.650	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.590	-4.8	100	0.00
50	TMP	Toluene	0.707	0.700	1.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.509	7.5	100	0.00
52	TMP	2-Hexanone	0.846	0.888	-5.0	100	0.00
53	TMP	Tetrachloroethene	0.490	0.521	-6.3	100	0.00
54	TMP	Dibromochloromethane	0.861	0.876	-1.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.758	8.0	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.091	0.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.825	7.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.323	5.1	100	0.00
60	TMP	Nonane	0.981	1.087	-10.8	100	0.00
61	TMP	Isopropylbenzene	1.792	1.901	-6.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.477	-6.5	100	0.00
63	TMP	Propylbenzene	3.292	3.678	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.756	-9.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.666	-5.2	100	0.00
66	TMP	o-Xylene	0.615	0.641	-4.2	100	0.00
67	TMP	Styrene	0.819	0.884	-7.9	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.291	-30.8#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.632	-12.6	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.459	-17.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.110	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.036	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.106	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.772	-23.3	100	0.00
77	TMP	Naphthalene	1.132	1.158	-2.3	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.062	-1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 8.804 ppbv

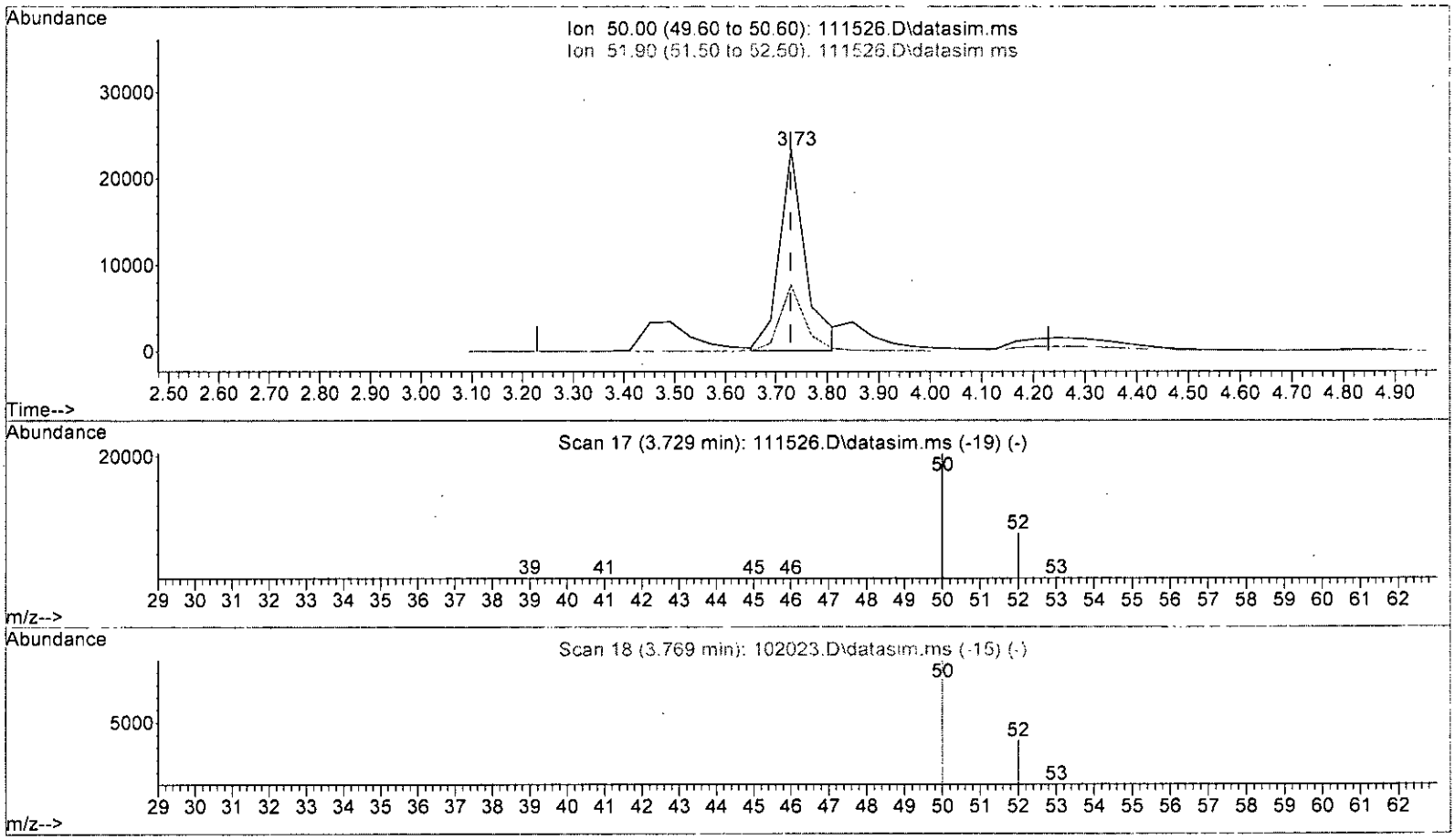
response 95954

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 7.590 ppbv m

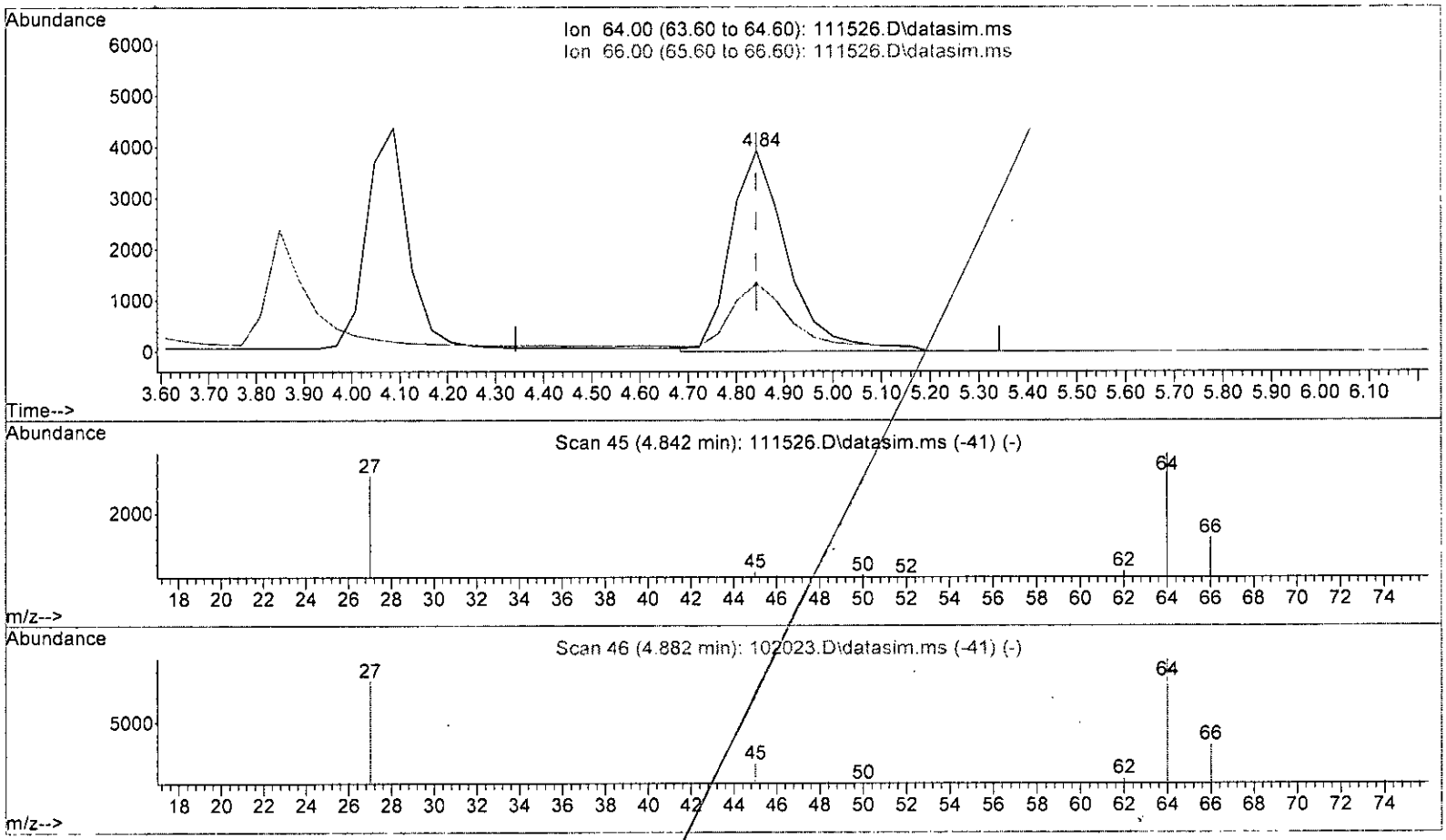
response 82724

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 8.117 ppbv

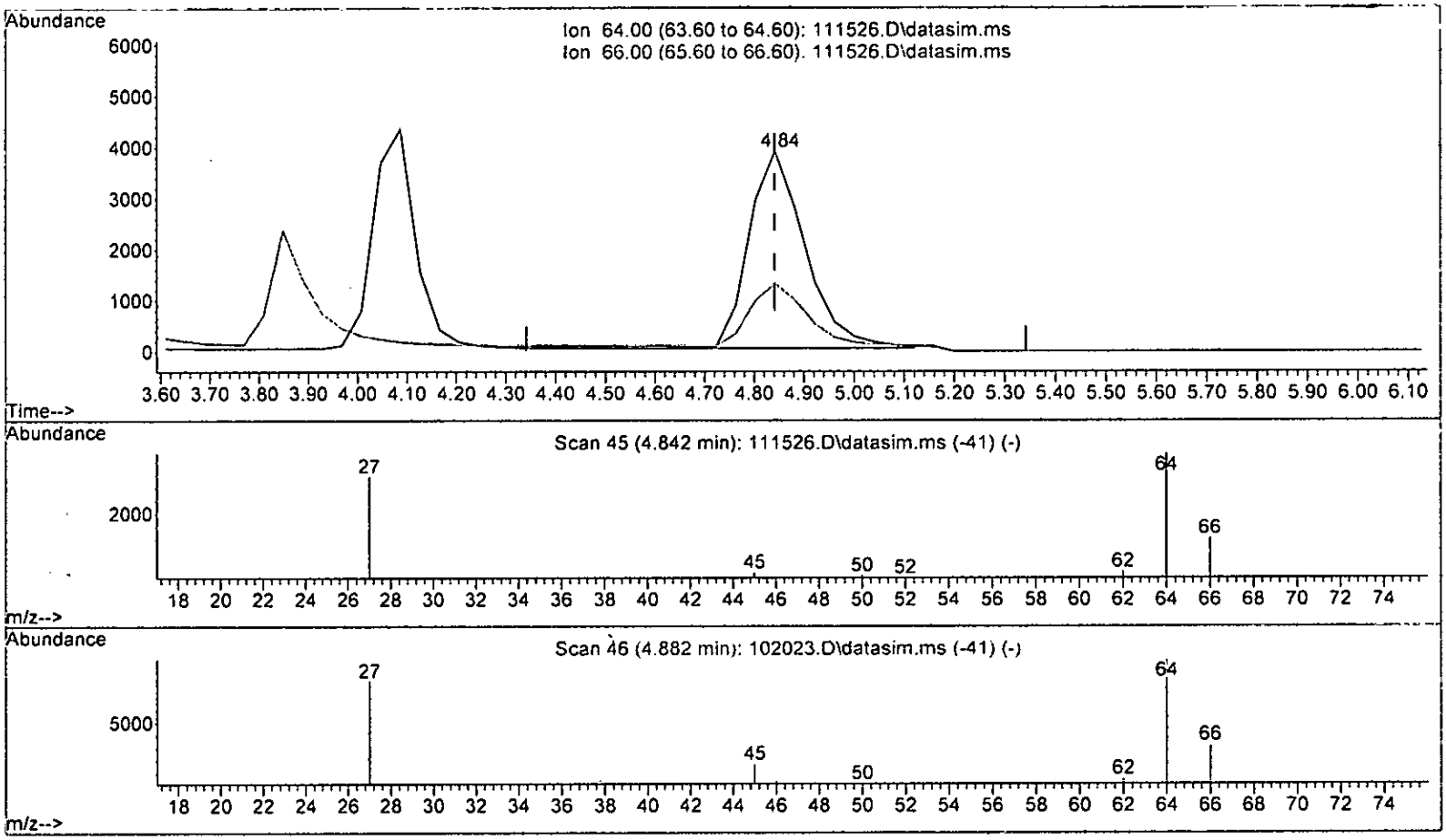
response 30758

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

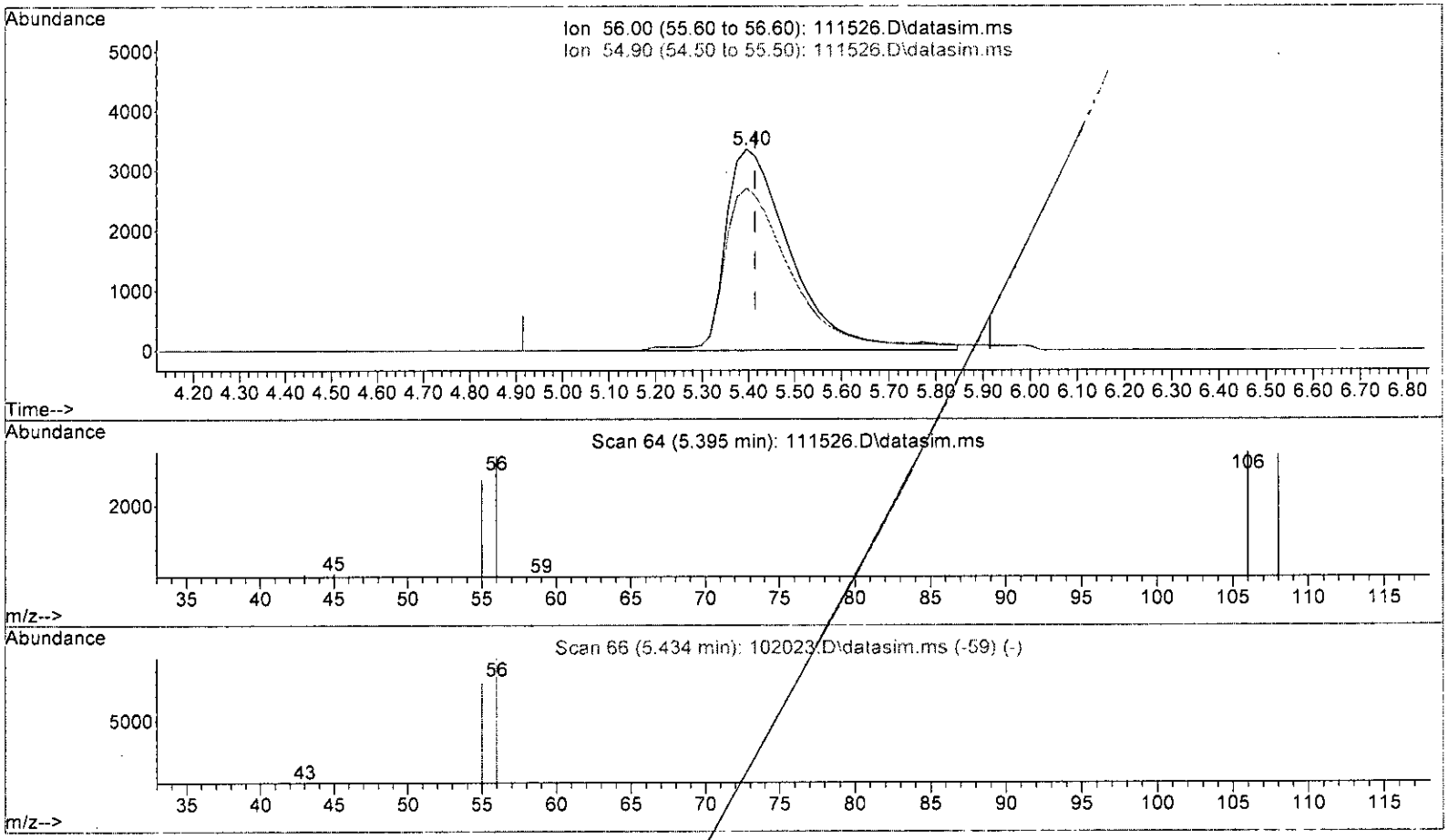
(10) Chloroethane (TMP)
4.842min (+ 0.000) 7.938 ppbv m
response 30082

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 8.220 ppbv

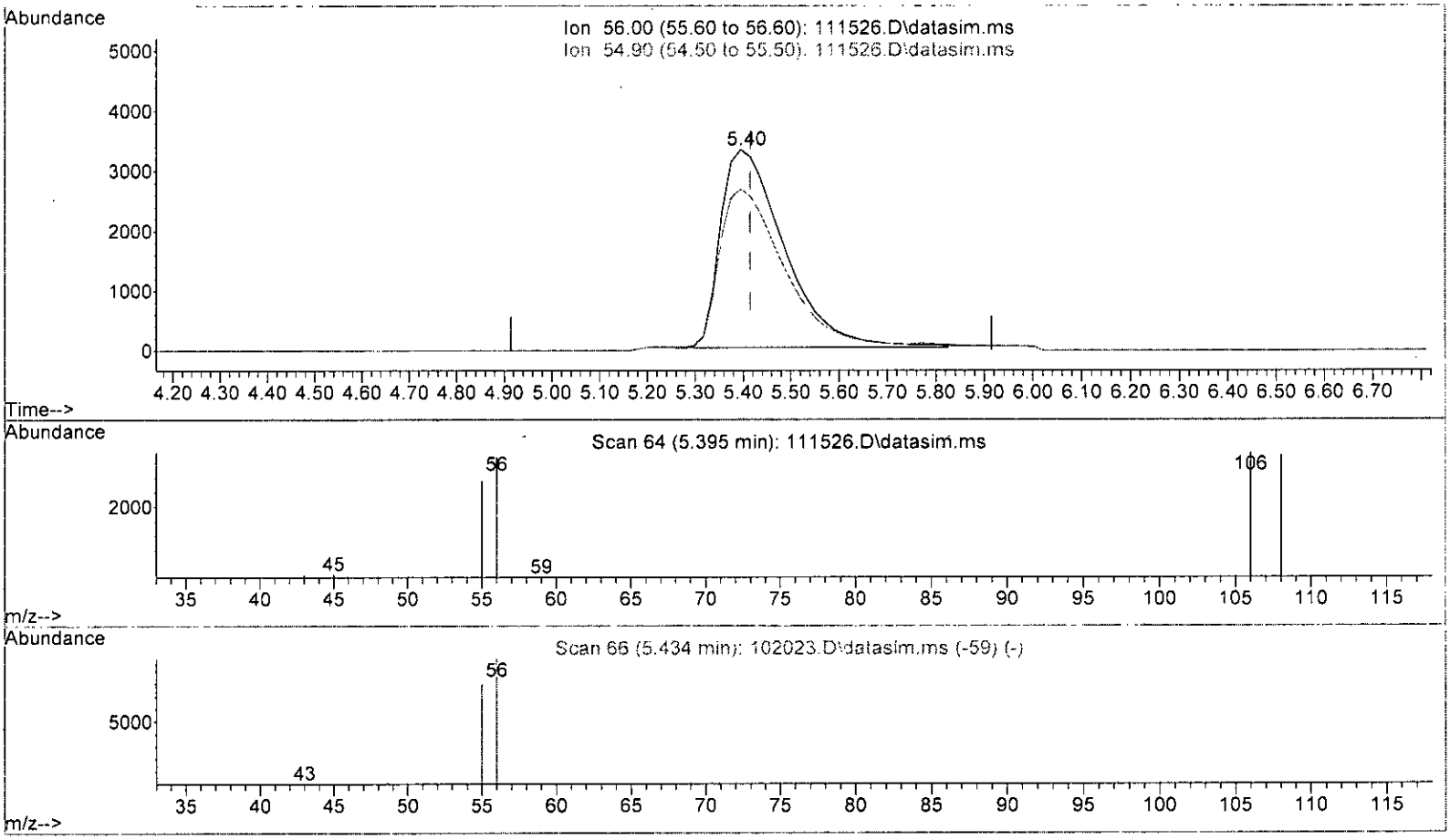
response 34689

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 7.257 ppbv m

response 30626

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	92.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	57898	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	276532	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	249716	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184609	10.668	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.70%				
Target Compounds							Qvalue
2) Propene	3.41	41	60607	7.880	ppbv		90
3) Dichlorodifluoromethane	3.49	85	194773	8.160	ppbv		99
4] Chloromethane	3.73	50	82724m	7.590	ppbv		
5) F-114	3.84	85	189665	7.768	ppbv		99
6] Vinyl chloride	4.09	62	80482	7.512	ppbv		98
7] 1,3-Butadiene	4.25	54	54000	7.670	ppbv	#	94
8) Butane	4.32	43	99785	7.896	ppbv		98
9) Bromomethane	4.60	94	78745	7.363	ppbv		100
10] Chloroethane	4.84	64	30082m	7.938	ppbv		
11] Vinyl bromide	5.30	106	81586	8.756	ppbv		99
12) Ethanol	4.92	45	27496	7.161	ppbv		99
13] Acrolein	5.40	56	30626m	7.257	ppbv		
14) Pentane	6.25	43	115932	8.137	ppbv		100
15) Trichlorofluoromethane	5.84	101	219943	7.945	ppbv		96
16) Acetone	5.53	58	29407	7.149	ppbv	#	82
17) 2-Propanol	5.78	45	145706	8.129	ppbv		98
18] 1,1-Dichloroethene	6.63	96	69577	7.304	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	70087	7.576	ppbv		87
20) Methylene chloride	6.80	84	67913	7.932	ppbv		97
21) t-Butyl alcohol (TBA)	6.57	59	126997	8.222	ppbv	#	78
22) 3-Chloropropene	6.94	41	100017	8.401	ppbv		98
23) CFC-113	7.15	101	156633	7.798	ppbv		99
24) Carbon disulfide	7.25	76	242981	8.122	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	162580	8.178	ppbv		98
26) Vinyl acetate	8.54	43	191921	8.721	ppbv		99
27] 1,1-Dichloroethane	8.36	63	149826	7.742	ppbv		100
28] cis-1,2-Dichloroethene	9.64	96	74328	7.596	ppbv		95
29) Hexane	10.01	57	102225	8.537	ppbv		100
30] Chloroform	10.08	83	172350	8.045	ppbv		97
31) Ethyl acetate	9.92	43	181174	8.260	ppbv		99
32) Tetrahydrofuran	10.73	42	82156	7.842	ppbv		100
33) 2-Butanone (MEK)	8.88	72	28610	7.984	ppbv	#	93
34] 1,2-Dichloroethane (EDC)	11.34	62	116150	8.064	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	155431	8.029	ppbv		98
36] Carbon tetrachloride	12.86	117	162195	7.953	ppbv		97
37] Benzene	12.61	78	236754	8.082	ppbv		94
38) Cyclohexane	13.07	84	62880	7.945	ppbv		99
40] 1,2-Dichloropropane	13.80	63	110626	7.389	ppbv		99

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

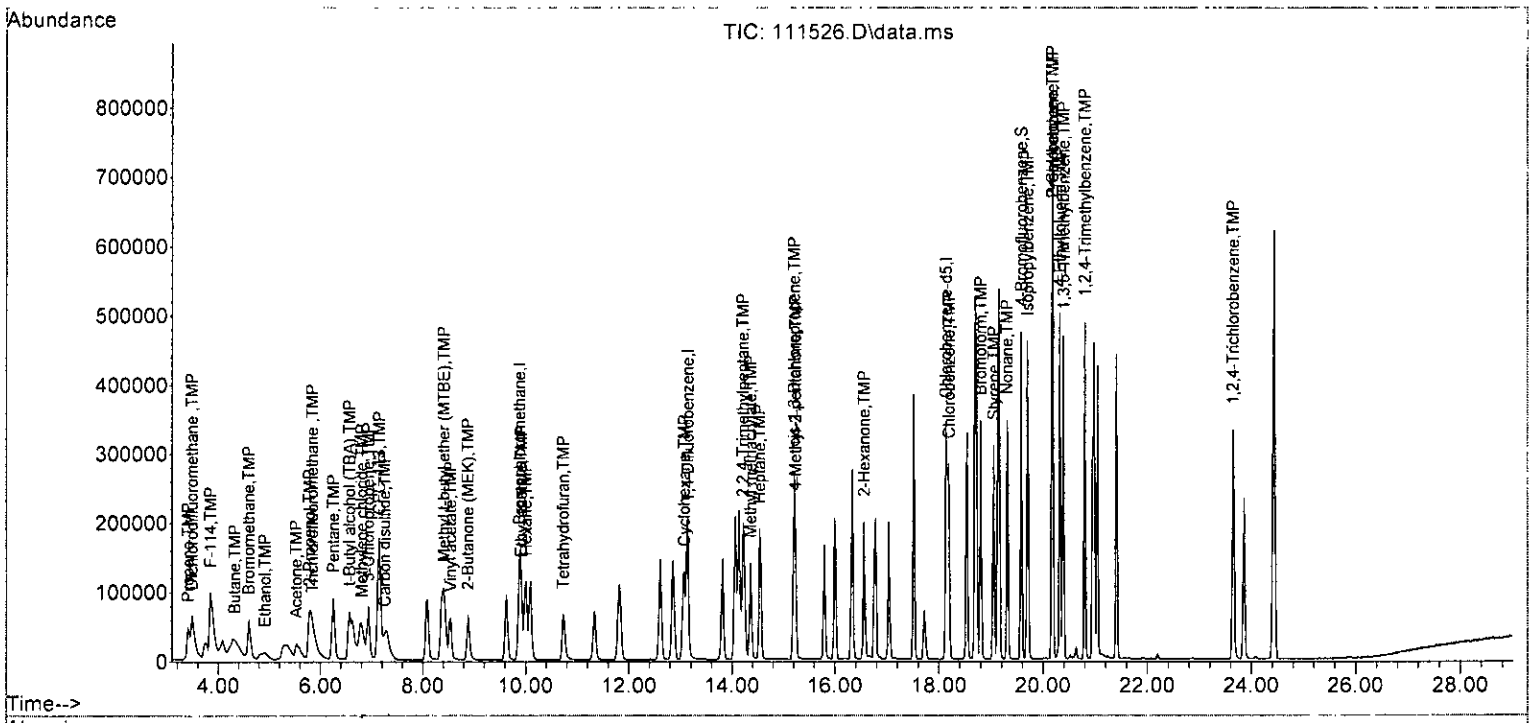
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	47661	7.485	ppbv		96
42) 2,2,4-Trimethylpentane	14.21	57	352715	7.980	ppbv		95
43) Methyl methacrylate	14.36	41	106611	7.945	ppbv		99
44) Heptane	14.53	43	148087	8.072	ppbv		99
45] Bromodichloromethane	14.04	83	182777	7.780	ppbv		98
46] Trichloroethene	14.14	95	114292	6.968	ppbv		89
47) cis-1,3-Dichloropropene	15.20	75	136023	8.216	ppbv		99
48) 4-Methyl-2-pentanone	15.23	100	10309	8.424	ppbv	#	91
49] trans-1,3-Dichloropropene	15.78	75	128251	8.236	ppbv		84
50] Toluene	16.31	92	149046	7.623	ppbv		94
51] 1,1,2-Trichloroethane	16.00	83	107175	7.887	ppbv		90
52) 2-Hexanone	16.56	43	190304	8.132	ppbv		100
53] Tetrachloroethene	17.52	164	99097	7.316	ppbv		94
54] Dibromochloromethane	16.76	129	186526	7.836	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	158882	7.885	ppbv		100
57) Chlorobenzene	18.19	112	206369	7.507	ppbv		99
58] Ethylbenzene	18.53	91	346285	7.913	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	247900	7.830	ppbv		91
60) Nonane	19.30	43	213529	8.720	ppbv		99
61) Isopropylbenzene	19.70	105	357839	7.997	ppbv		99
62) 2-Chlorotoluene	20.17	126	88909	7.947	ppbv		96
63) Propylbenzene	20.17	91	708723	8.621	ppbv		100
64) 4-Ethyltoluene	20.32	105	344349	8.558	ppbv		100
65] m,p-Xylene	18.70	106	254241	16.077	ppbv		94
66] o-Xylene	19.15	106	121142	7.891	ppbv		97
67) Styrene	19.05	104	175394	8.577	ppbv		99
68) Bromoform	18.80	173	197351	7.685	ppbv		99
70] Benzyl chloride	20.95	91	255045	8.233	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	311808	8.612	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	292011	8.027	ppbv		99
73] 1,3-Dichlorobenzene	20.98	146	212478	8.409	ppbv		97
74] 1,4-Dichlorobenzene	21.05	146	200868	8.495	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	211087	8.253	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	162307	8.193	ppbv		97
77] Naphthalene	23.84	128	279810	8.318	ppbv		99
78] Hexachlorobutadiene	24.44	225	201399	7.721	ppbv		100

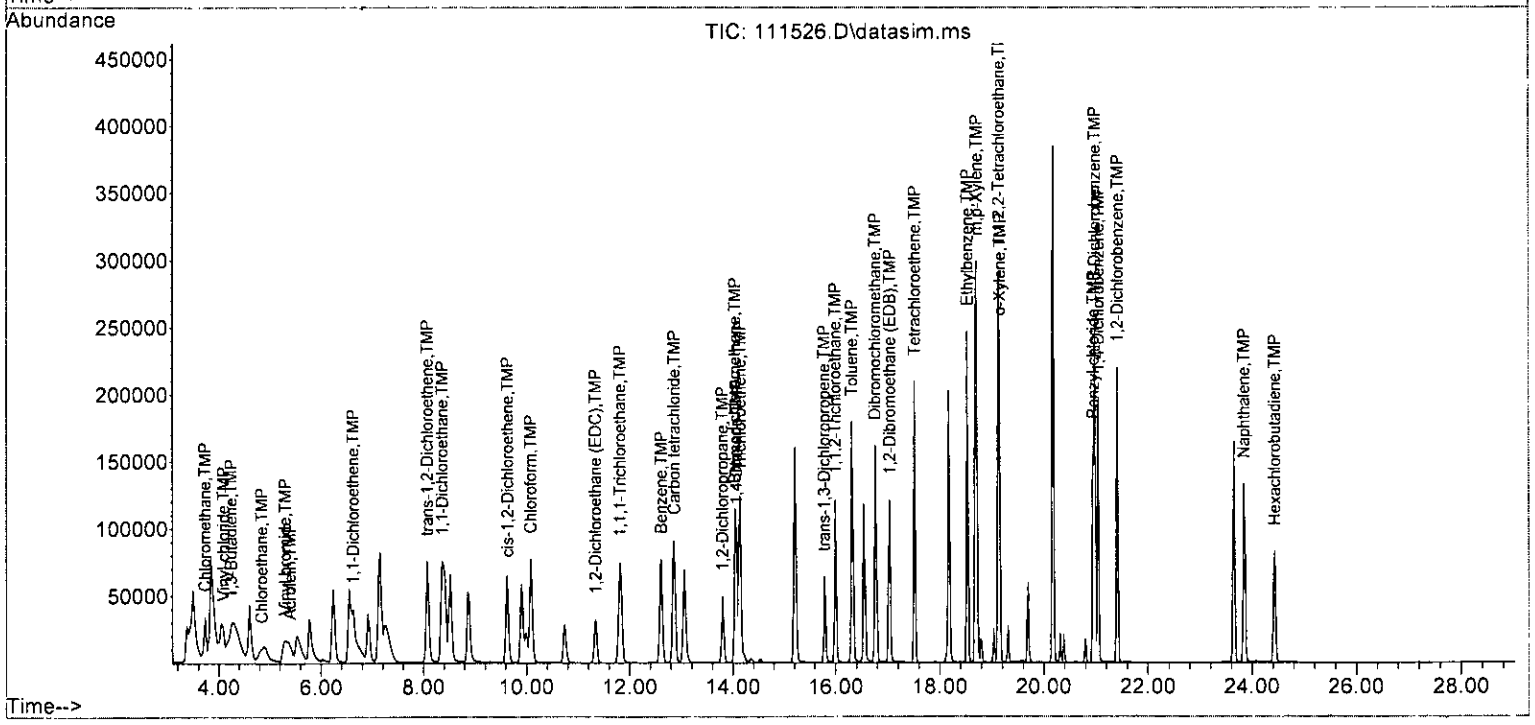
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	8.000	7.880	1.5	100	0.00
3	TMP	Dichlorodifluoromethane	8.000	8.160	-2.0	100	0.00
4	TMP	Chloromethane	8.000	7.590	5.1	100	0.00
5	TMP	F-114	8.000	7.768	2.9	101	-0.04
6	TMP	Vinyl chloride	8.000	7.512	6.1	100	0.00
7	TMP	1,3-Butadiene	8.000	7.670	4.1	100	-0.04
8	TMP	Butane	8.000	7.896	1.3	101	0.00
9	TMP	Bromomethane	8.000	7.363	8.0	100	0.00
10	TMP	Chloroethane	8.000	7.938	0.8	101	0.00
11	TMP	Vinyl bromide	8.000	8.756	-9.5	100	-0.02
12	TMP	Ethanol	8.000	7.161	10.5	100	-0.04
13	TMP	Acrolein	8.000	7.257	9.3	102	-0.02
14	TMP	Pentane	8.000	8.137	-1.7	100	0.00
15	TMP	Trichlorofluoromethane	8.000	7.945	0.7	100	0.00
16	TMP	Acetone	8.000	7.149	10.6	100	-0.04
17	TMP	2-Propanol	8.000	8.129	-1.6	98	0.00
18	TMP	1,1-Dichloroethene	8.000	7.304	8.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	8.000	7.576	5.3	100	-0.03
20	TMP	Methylene chloride	8.000	7.932	0.8	100	0.00
21	TMP	t-Butyl alcohol (TBA)	8.000	8.222	-2.8	100	0.00
22	TMP	3-Chloropropene	8.000	8.401	-5.0	100	0.00
23	TMP	CFC-113	8.000	7.798	2.5	100	0.00
24	TMP	Carbon disulfide	8.000	8.122	-1.5	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	8.000	8.178	-2.2	100	-0.03
26	TMP	Vinyl acetate	8.000	8.721	-9.0	100	0.00
27	TMP	1,1-Dichloroethane	8.000	7.742	3.2	100	0.00
28	TMP	cis-1,2-Dichloroethene	8.000	7.596	5.0	100	0.00
29	TMP	Hexane	8.000	8.537	-6.7	100	0.00
30	TMP	Chloroform	8.000	8.045	-0.6	100	-0.02
31	TMP	Ethyl acetate	8.000	8.260	-3.2	100	0.00
32	TMP	Tetrahydrofuran	8.000	7.842	2.0	100	-0.02
33	TMP	2-Butanone (MEK)	8.000	7.984	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	8.000	8.064	-0.8	100	0.00
35	TMP	1,1,1-Trichloroethane	8.000	8.029	-0.4	100	-0.01
36	TMP	Carbon tetrachloride	8.000	7.953	0.6	100	0.00
37	TMP	Benzene	8.000	8.082	-1.0	100	0.00
38	TMP	Cyclohexane	8.000	7.945	0.7	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	8.000	7.389	7.6	100	0.00
41	TMP	1,4-Dioxane	8.000	7.485	6.4	100	-0.02
42	TMP	2,2,4-Trimethylpentane	8.000	7.980	0.2	100	-0.02
43	TMP	Methyl methacrylate	8.000	7.945	0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	8.000	8.072	-0.9	100	-0.02
45	TMP	Bromodichloromethane	8.000	7.780	2.7	100	0.00
46	TMP	Trichloroethene	8.000	6.968	12.9	100	0.00
47	TMP	cis-1,3-Dichloropropene	8.000	8.216	-2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	8.000	8.424	-5.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	8.000	8.236	-3.0	100	0.00
50	TMP	Toluene	8.000	7.623	4.7	100	0.00
51	TMP	1,1,2-Trichloroethane	8.000	7.887	1.4	100	0.00
52	TMP	2-Hexanone	8.000	8.132	-1.6	100	0.00
53	TMP	Tetrachloroethene	8.000	7.316	8.6	100	0.00
54	TMP	Dibromochloromethane	8.000	7.836	2.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	8.000	7.885	1.4	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	8.000	7.507	6.2	100	0.00
58	TMP	Ethylbenzene	8.000	7.913	1.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	8.000	7.830	2.1	100	0.00
60	TMP	Nonane	8.000	8.720	-9.0	100	0.00
61	TMP	Isopropylbenzene	8.000	7.997	0.0	100	0.00
62	TMP	2-Chlorotoluene	8.000	7.947	0.7	100	0.00
63	TMP	Propylbenzene	8.000	8.621	-7.8	100	-0.01
64	TMP	4-Ethyltoluene	8.000	8.558	-7.0	100	0.00
65	TMP	m,p-Xylene	16.000	16.077	-0.5	100	0.00
66	TMP	o-Xylene	8.000	7.891	1.4	100	0.00
67	TMP	Styrene	8.000	8.577	-7.2	100	0.00
68	TMP	Bromoform	8.000	7.685	3.9	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.668	-6.7	100	0.00
70	TMP	Benzyl chloride	8.000	8.233	-2.9	101	0.00
71	TMP	1,3,5-Trimethylbenzene	8.000	8.612	-7.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	8.000	8.027	-0.3	100	0.00
73	TMP	1,3-Dichlorobenzene	8.000	8.409	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	8.000	8.495	-6.2	100	0.00
75	TMP	1,2-Dichlorobenzene	8.000	8.253	-3.2	100	0.00
76	TMP	1,2,4-Trichlorobenzene	8.000	8.193	-2.4	100	0.00
77	TMP	Naphthalene	8.000	8.318	-4.0	100	0.00
78	TMP	Hexachlorobutadiene	8.000	7.721	3.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.308	15.9	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.205	-2.0	100	0.00
4	TMP	Chloromethane	1.882	1.786	5.1	100	0.00
5	TMP	F-114	4.217	4.095	2.9	101	-0.04
6	TMP	Vinyl chloride	1.851	1.738	6.1	100	0.00
7	TMP	1,3-Butadiene	1.216	1.166	4.1	100	-0.04
8	TMP	Butane	2.183	2.154	1.3	101	0.00
9	TMP	Bromomethane	1.847	1.700	8.0	100	0.00
10	TMP	Chloroethane	0.655	0.649	0.9	101	0.00
11	TMP	Vinyl bromide	1.609	1.761	-9.4	100	-0.02
12	TMP	Ethanol	0.663	0.594	10.4	100	-0.04
13	TMP	Acrolein	0.729	0.661	9.3	102	-0.02
14	TMP	Pentane	2.461	2.503	-1.7	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.749	0.7	100	0.00
16	TMP	Acetone	0.710	0.635	10.6	100	-0.04
17	TMP	2-Propanol	3.096	3.146	-1.6	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.502	8.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.513	5.3	100	-0.03
20	TMP	Methylene chloride	1.479	1.466	0.9	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.742	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.159	-5.0	100	0.00
23	TMP	CFC-113	3.469	3.382	2.5	100	0.00
24	TMP	Carbon disulfide	5.167	5.246	-1.5	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.510	-2.2	100	-0.03
26	TMP	Vinyl acetate	3.801	4.144	-9.0	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.235	3.2	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.605	5.0	100	0.00
29	TMP	Hexane	2.068	2.207	-6.7	100	0.00
30	TMP	Chloroform	4.060	3.721	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.911	-3.2	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.774	1.9	100	-0.02
33	TMP	2-Butanone (MEK)	0.619	0.618	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.508	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.356	-0.4	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.502	0.6	100	0.00
37	TMP	Benzene	5.688	5.111	10.1	100	0.00
38	TMP	Cyclohexane	1.367	1.358	0.7	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.500	7.6	100	0.00
41	TMP	1,4-Dioxane	0.230	0.215	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.594	0.3	100	-0.02
43	TMP	Methyl methacrylate	0.485	0.482	0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

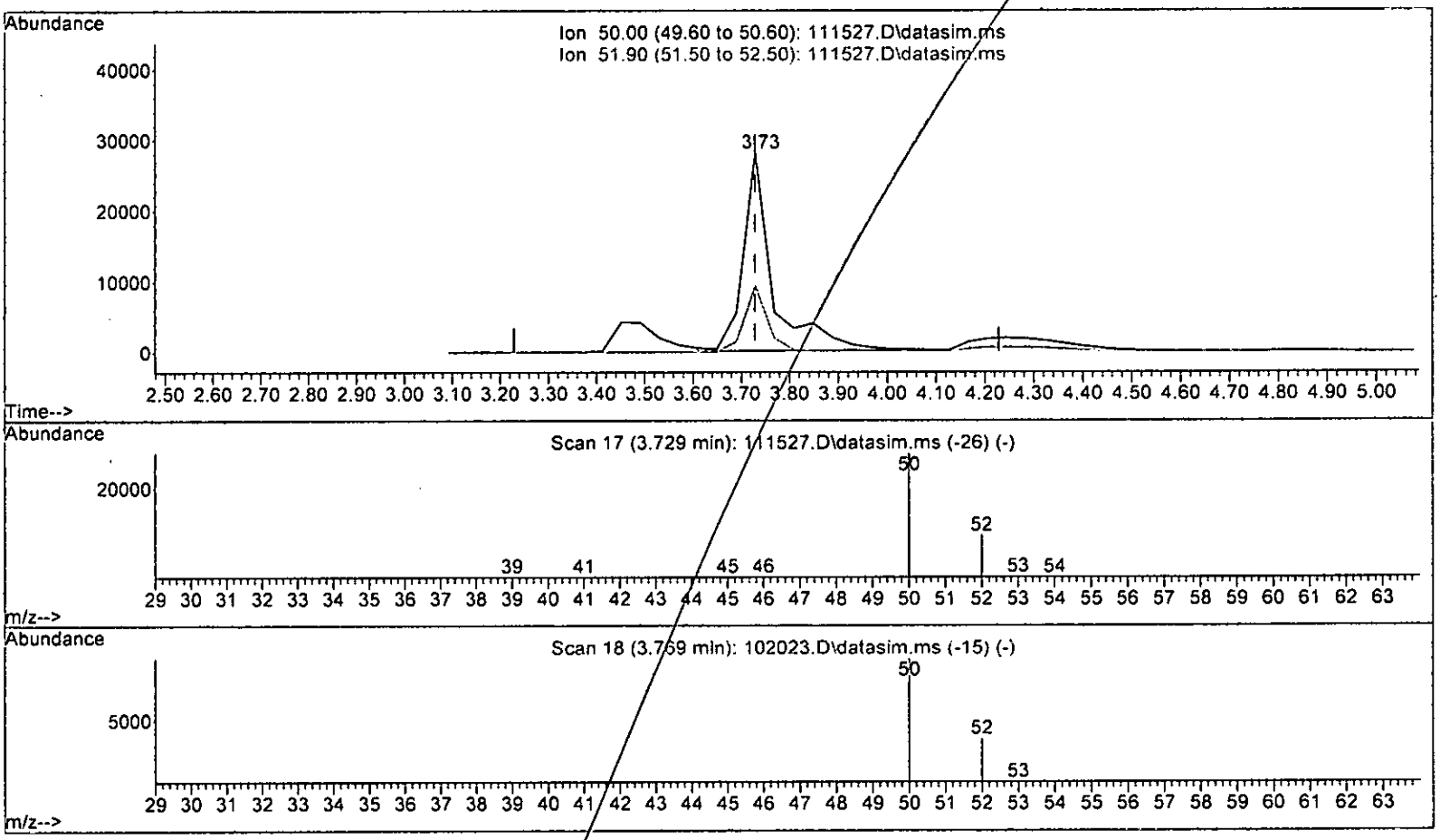
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.669	-0.9	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.826	2.8	100	0.00
46	TMP	Trichloroethene	0.593	0.517	12.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.615	-2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.047	-6.8	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.580	-3.0	100	0.00
50	TMP	Toluene	0.707	0.674	4.7	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.484	12.0	100	0.00
52	TMP	2-Hexanone	0.846	0.860	-1.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.448	8.6	100	0.00
54	TMP	Dibromochloromethane	0.861	0.843	2.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.718	12.9	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.033	6.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.733	11.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.241	11.0	100	0.00
60	TMP	Nonane	0.981	1.069	-9.0	100	0.00
61	TMP	Isopropylbenzene	1.792	1.791	0.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.445	0.7	100	0.00
63	TMP	Propylbenzene	3.292	3.548	-7.8	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.724	-7.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.636	-0.5	100	0.00
66	TMP	o-Xylene	0.615	0.606	1.5	100	0.00
67	TMP	Styrene	0.819	0.878	-7.2	100	0.00
68	TMP	Bromoform	1.028	0.988	3.9	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.739	-6.6	100	0.00
70	TMP	Benzyl chloride	0.987	1.277	-29.4	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.561	-7.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.462	-17.2	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.064	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.005	-6.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.057	-3.2	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.812	-29.7	100	0.00
77	TMP	Naphthalene	1.132	1.401	-23.8	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.008	3.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 10.787 ppbv

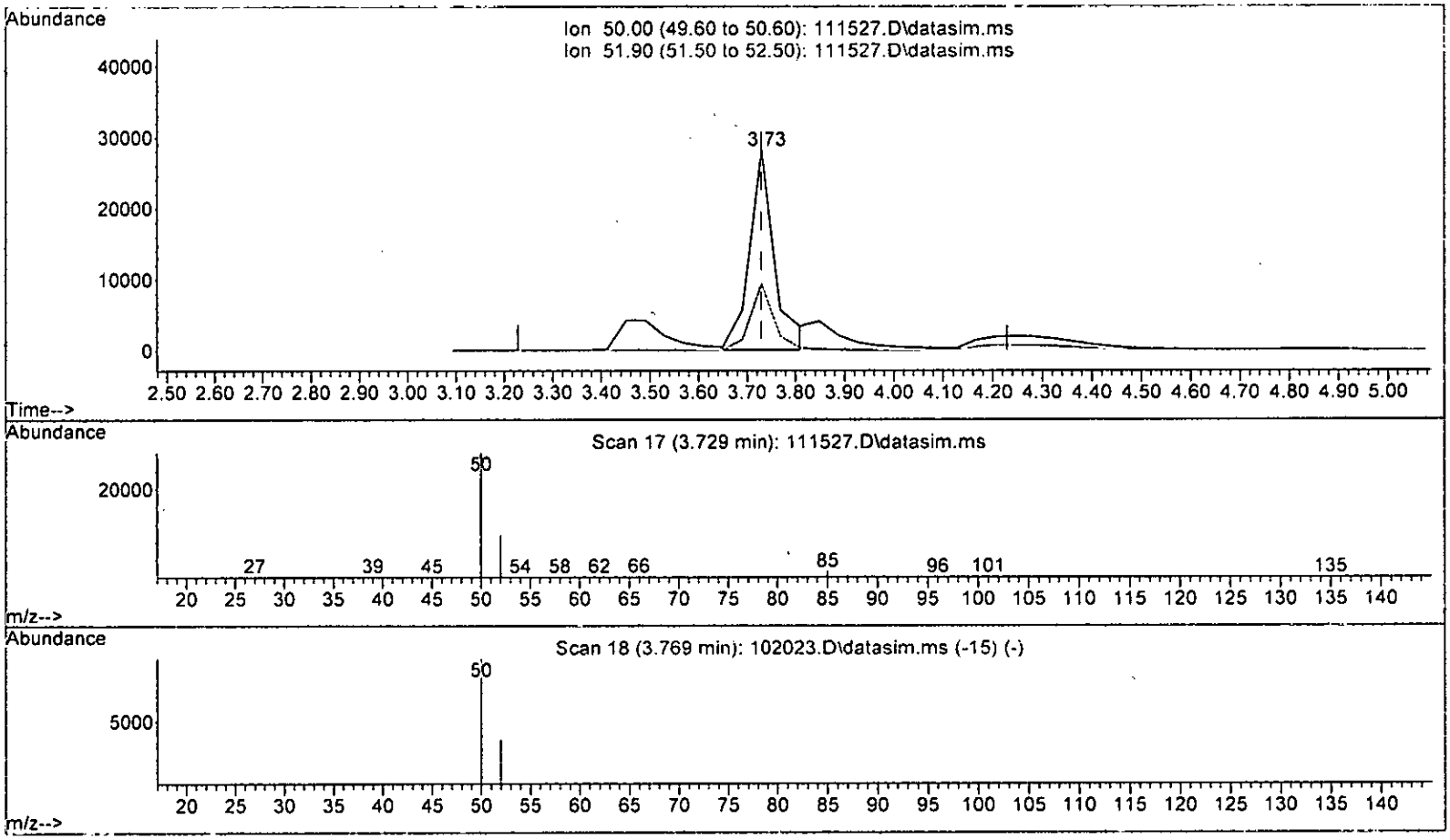
response 118499

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 9.259 ppbv m

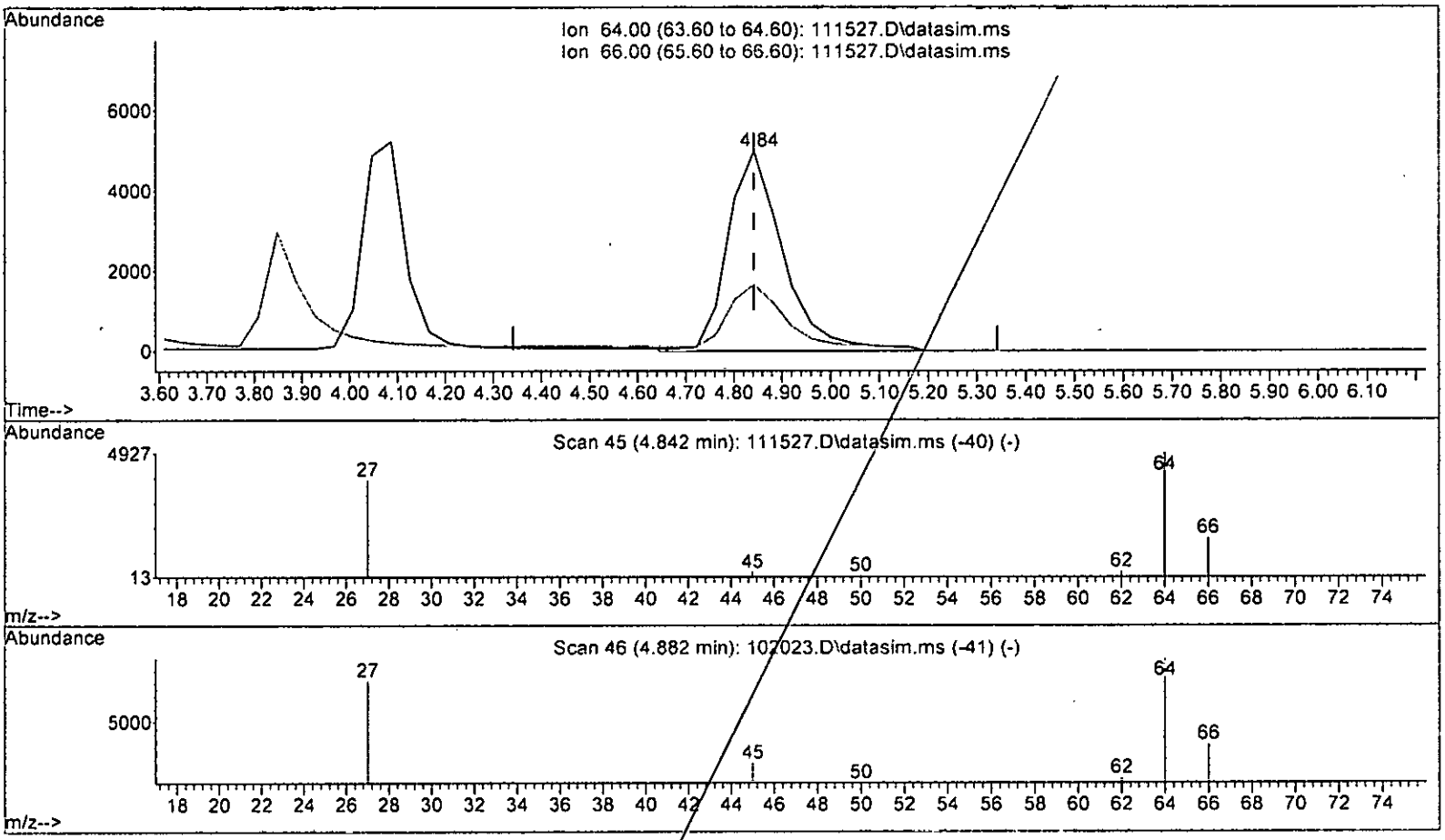
response 101714

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 10.042 ppbv

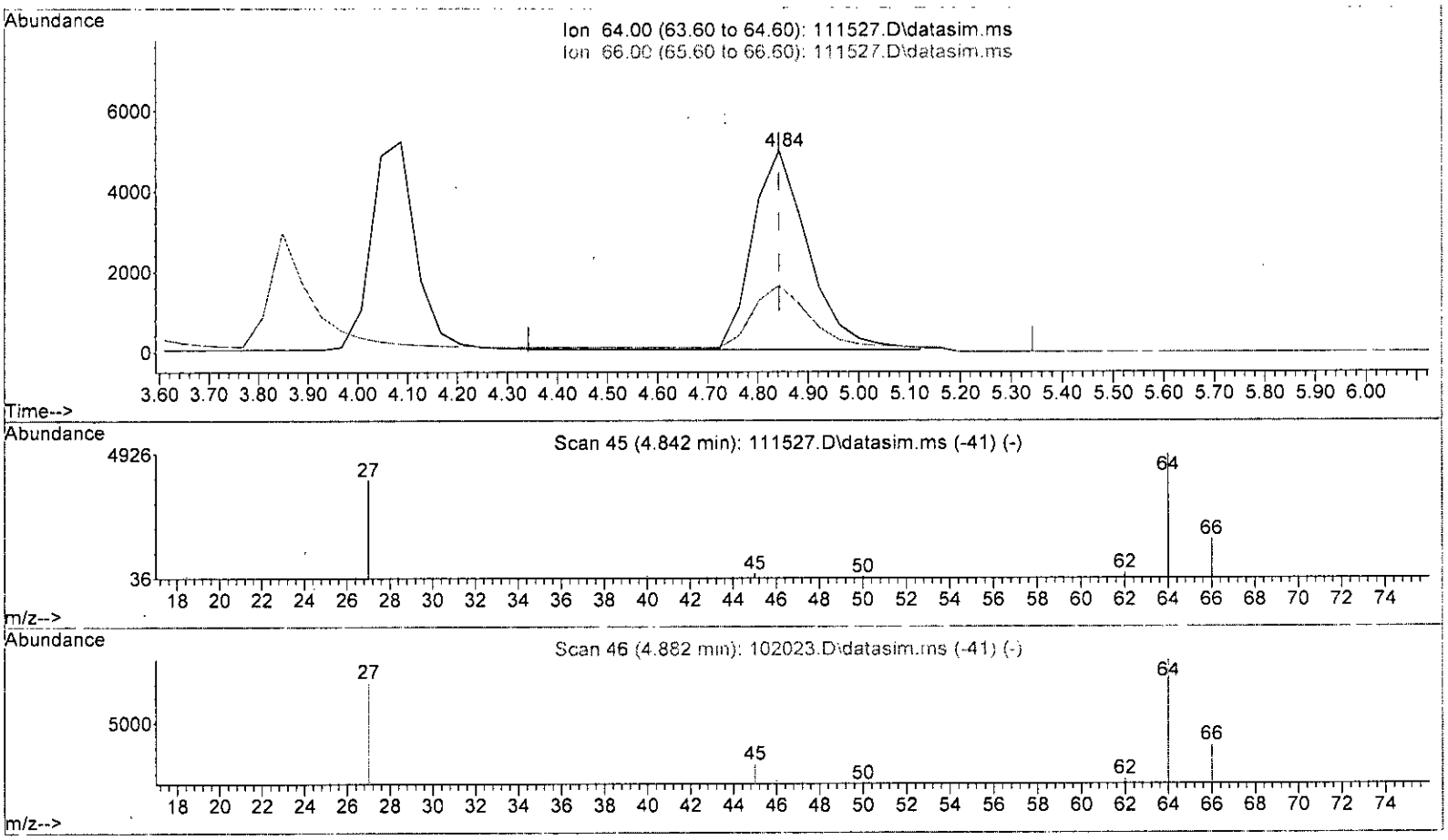
response 38357

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 9.932 ppbv m

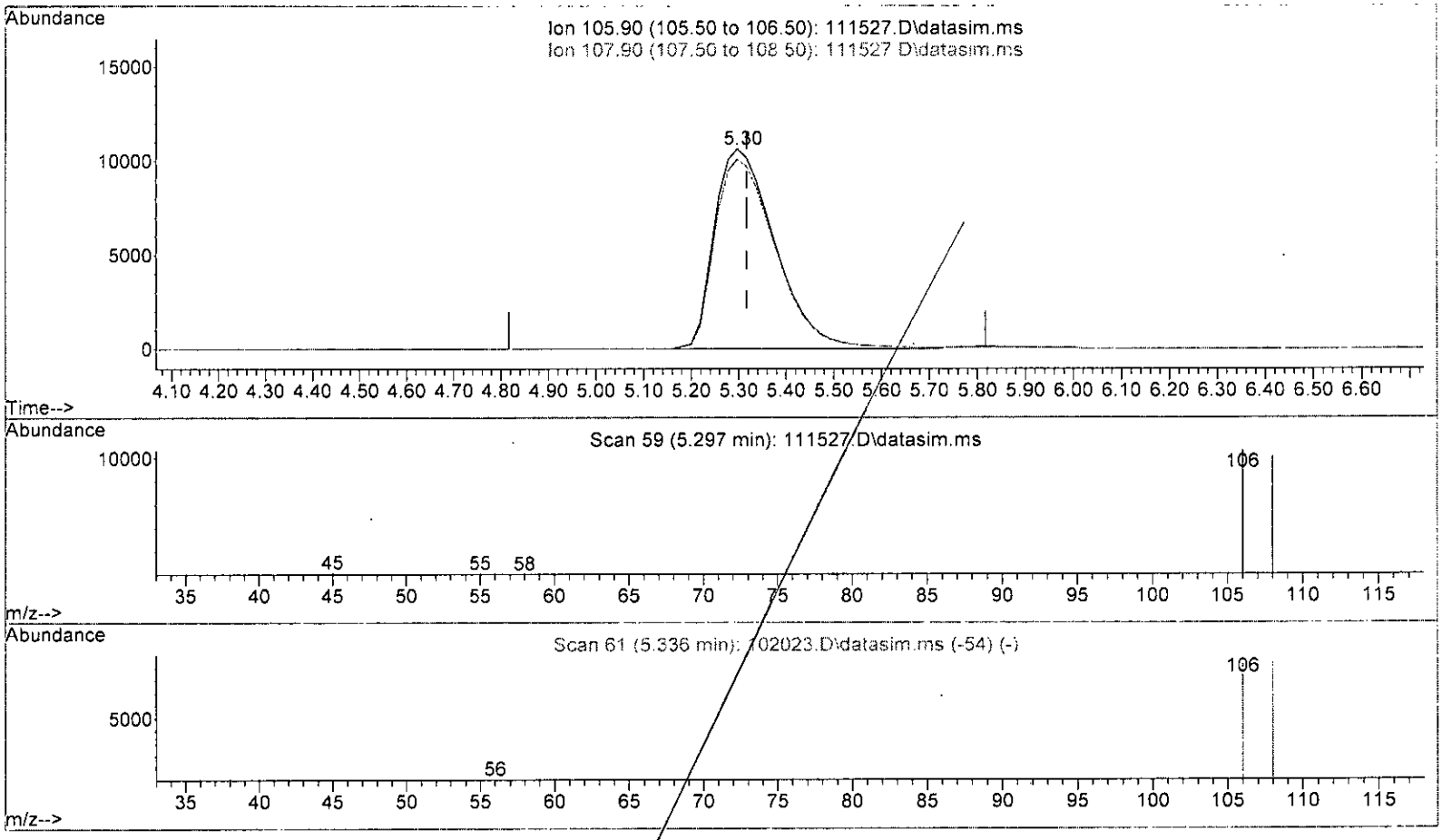
response 37934

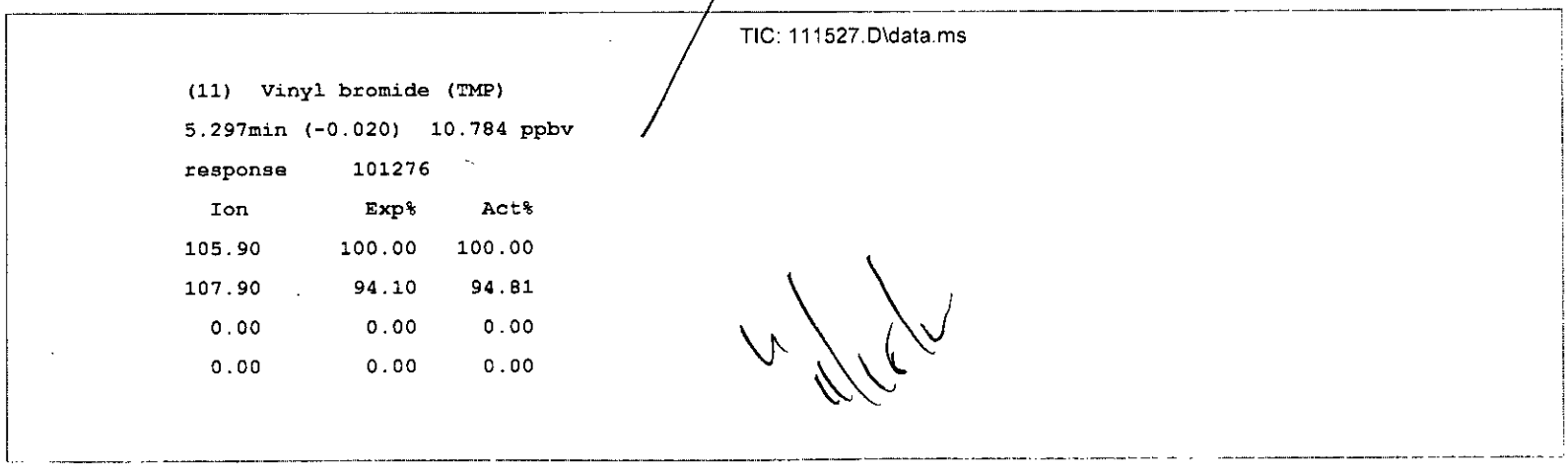
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





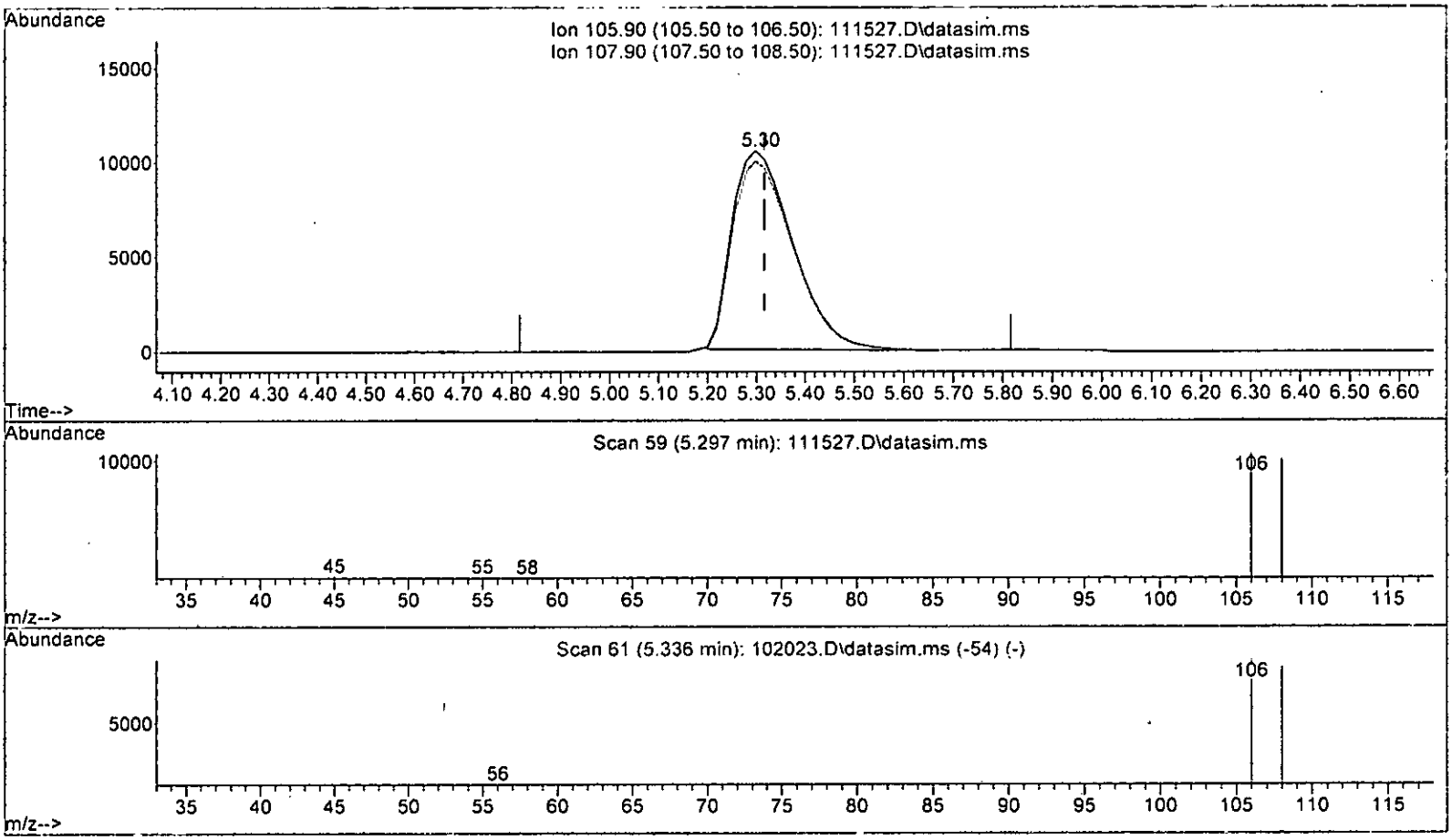
(11) Vinyl bromide (TMP)
5.297min (-0.020) 10.784 ppbv
response 101276

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (-0.020) 9.705 ppbv m

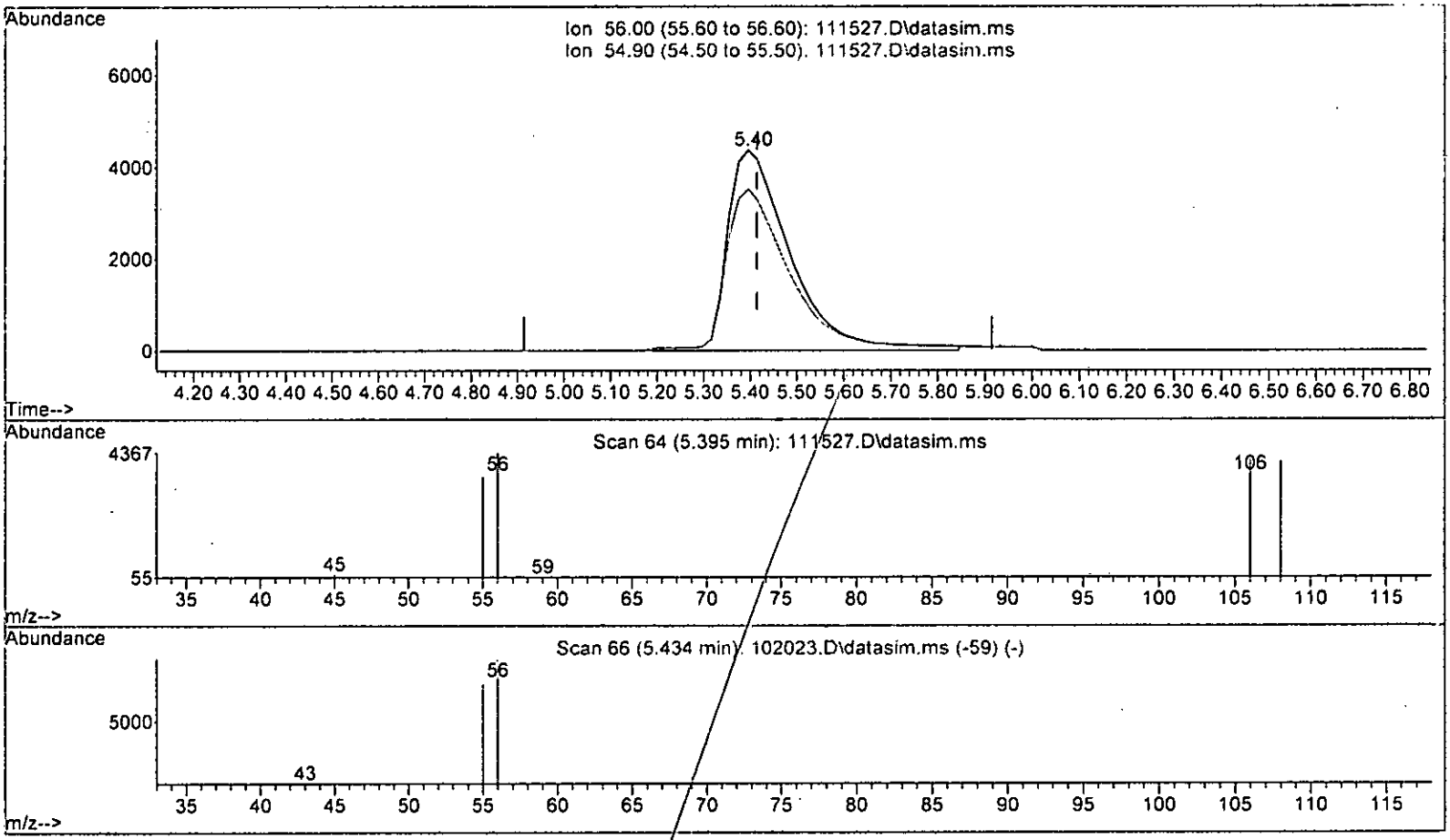
response 91145

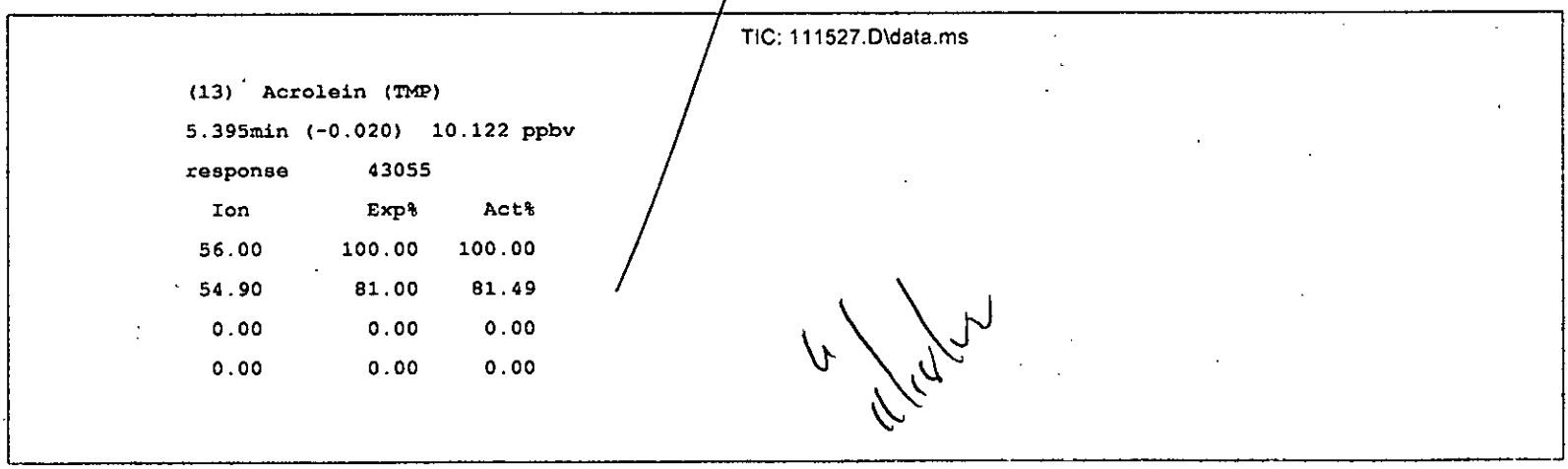
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	105.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.395min (-0.020) 10.122 ppbv

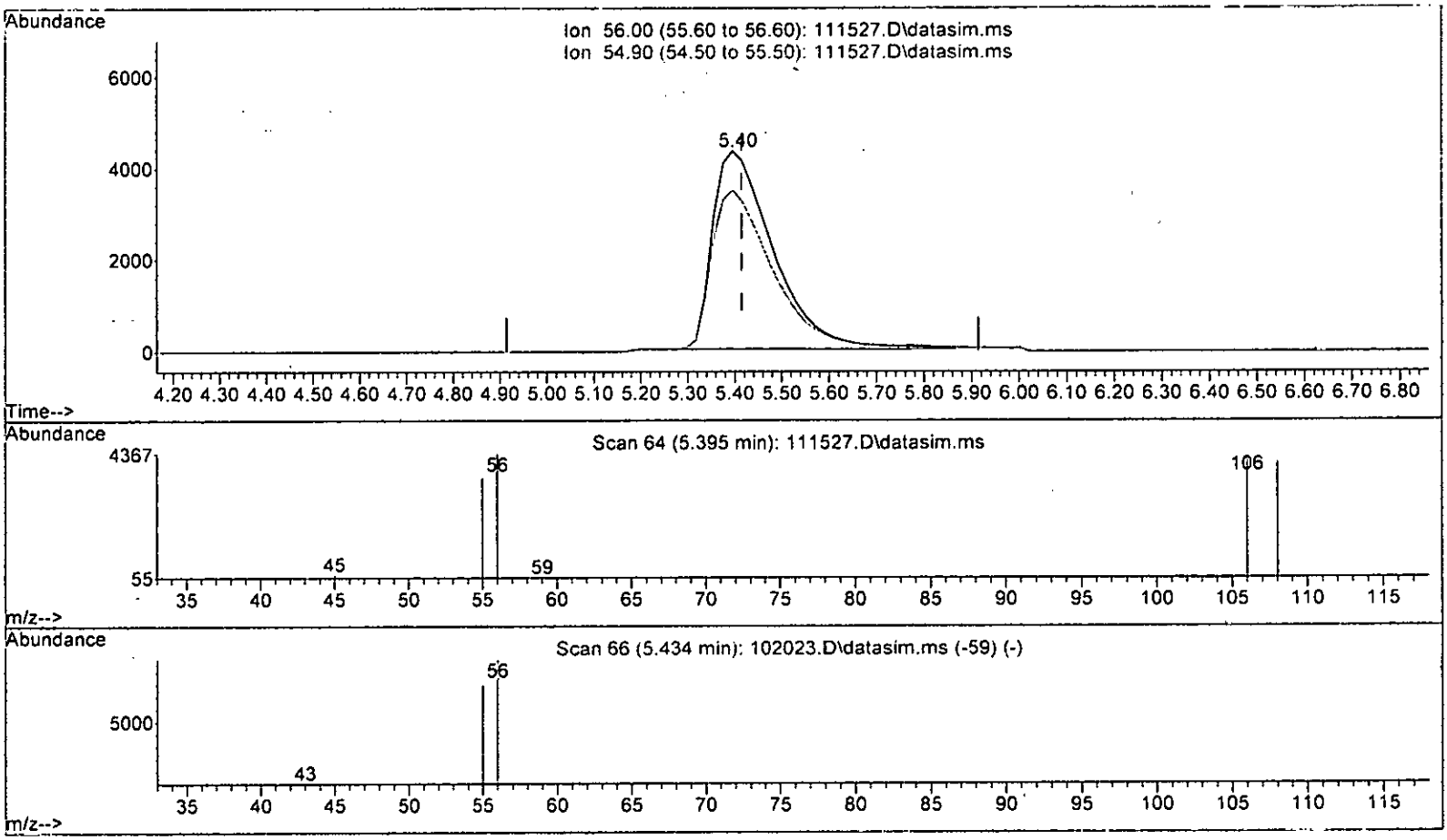
response 43055

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 9.059 ppbv m

response 38532

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	91.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	58357	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	276208	10.000	ppbv		-0.02
56) Chlorobenzene-d5	18.13	117	247864	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184316	10.730	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.30%				
Target Compounds							Qvalue
2) Propene	3.41	41	79041	10.097	ppbv		98
3) Dichlorodifluoromethane	3.49	85	240719	10.006	ppbv		99
4] Chloromethane	3.73	50	101714m	9.259	ppbv		
5) F-114	3.84	85	231743	9.417	ppbv		97
6] Vinyl chloride	4.09	62	100443	9.301	ppbv		98
7] 1,3-Butadiene	4.25	54	67722	9.543	ppbv	#	95
8) Butane	4.32	43	128132	10.059	ppbv		100
9) Bromomethane	4.60	94	99986	9.276	ppbv		96
10] Chloroethane	4.84	64	37934m	9.932	ppbv		
11] Vinyl bromide	5.30	106	91145m	9.705	ppbv		
12) Ethanol	4.92	45	32558	8.413	ppbv		92
13] Acrolein	5.40	56	38532m	9.059	ppbv		
14) Pentane	6.25	43	142420	9.918	ppbv		97
15) Trichlorofluoromethane	5.82	101	267583	9.590	ppbv		98
16) Acetone	5.53	58	36911	8.903	ppbv		99
17) 2-Propanol	5.78	45	184321	10.202	ppbv		100
18] 1,1-Dichloroethene	6.63	96	86513	9.010	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	87383	9.371	ppbv		89
20) Methylene chloride	6.80	84	80765	9.358	ppbv		97
21) t-Butyl alcohol (TBA)	6.57	59	160818	10.330	ppbv	#	77
22) 3-Chloropropene	6.94	41	124548	10.380	ppbv		99
23) CFC-113	7.15	101	199138	9.836	ppbv		98
24) Carbon disulfide	7.25	76	302857	10.044	ppbv		96
25) Methyl t-butyl ether (...	8.41	73	204898	10.225	ppbv		97
26) Vinyl acetate	8.54	43	242603	10.937	ppbv		99
27] 1,1-Dichloroethane	8.36	63	185442	9.507	ppbv		100
28] cis-1,2-Dichloroethene	9.64	96	92706	9.400	ppbv		96
29) Hexane	10.01	57	124929	10.352	ppbv		97
30] Chloroform	10.08	83	213310	10.013	ppbv		96
31) Ethyl acetate	9.92	43	230833	10.441	ppbv		99
32) Tetrahydrofuran	10.74	42	116277	11.012	ppbv		94
33) 2-Butanone (MEK)	8.88	72	36075	9.988	ppbv	#	91
34] 1,2-Dichloroethane (EDC)	11.34	62	143645	9.996	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	192631	9.873	ppbv		98
36] Carbon tetrachloride	12.86	117	200993	9.777	ppbv		97
37] Benzene	12.61	78	294312	10.048	ppbv		94
38) Cyclohexane	13.07	84	79676	9.988	ppbv		99
40] 1,2-Dichloropropane	13.80	63	136722	9.142	ppbv		98

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

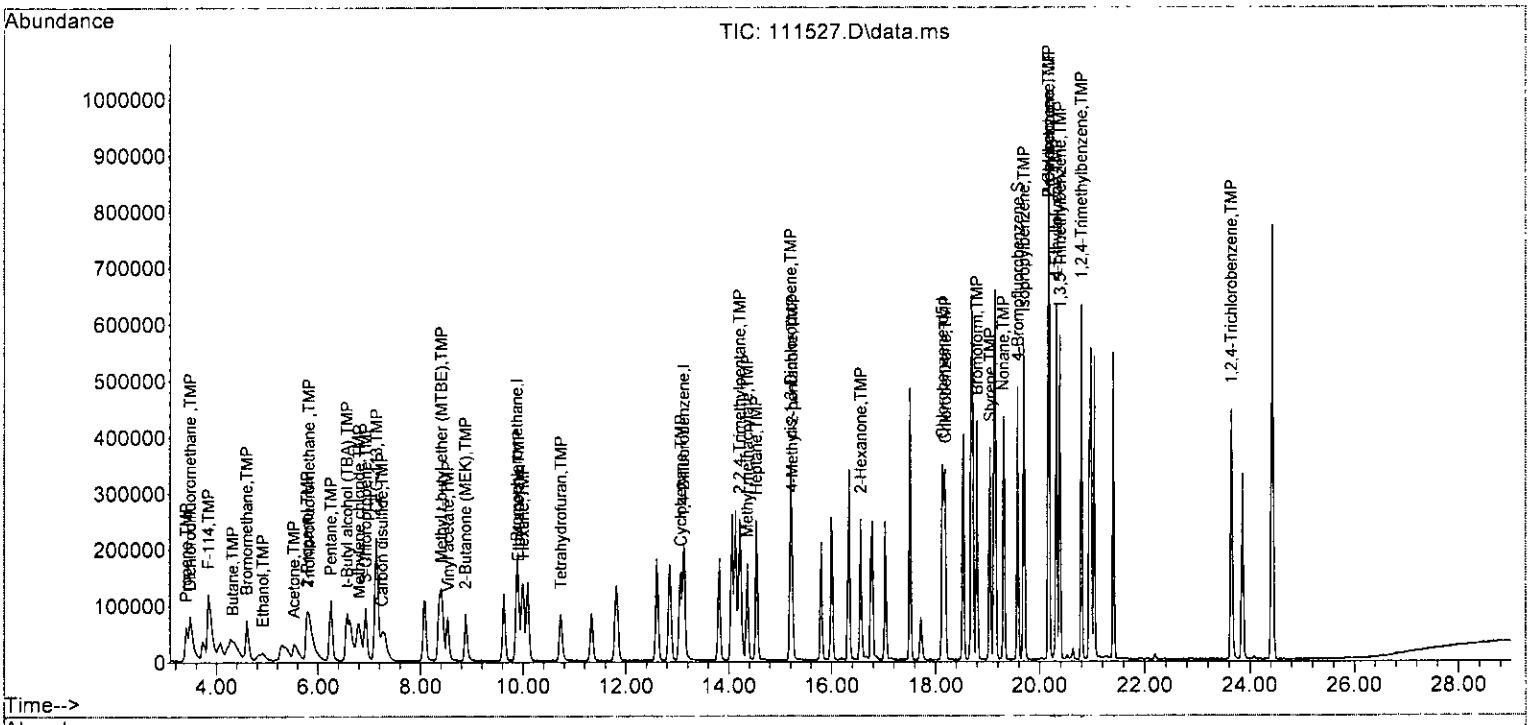
Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

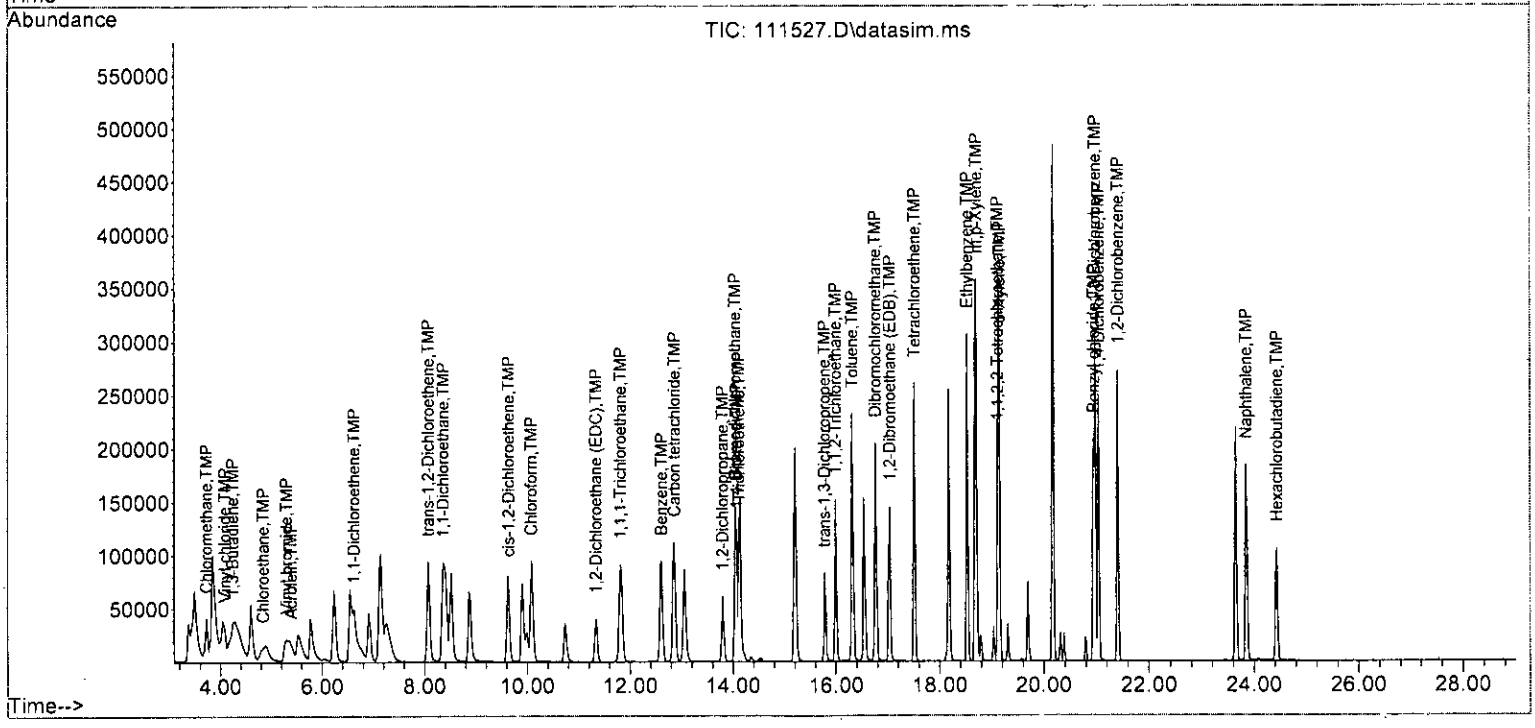
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.07	88	59845	9.410	ppbv	100
42) 2,2,4-Trimethylpentane	14.21	57	438752	9.938	ppbv	97
43) Methyl methacrylate	14.36	41	133782	9.981	ppbv	99
44) Heptane	14.53	43	187312	10.222	ppbv	99
45] Bromodichloromethane	14.04	83	227972	9.715	ppbv	98
46] Trichloroethene	14.12	95	141937	8.664	ppbv	79
47) cis-1,3-Dichloropropene	15.20	75	170395	10.304	ppbv	97
48) 4-Methyl-2-pentanone	15.23	100	13009	10.643	ppbv	98
49] trans-1,3-Dichloropropene	15.78	75	160242	10.302	ppbv	85
50] Toluene	16.31	92	186659	9.558	ppbv	92
51] 1,1,2-Trichloroethane	16.00	83	132436	9.943	ppbv	89
52) 2-Hexanone	16.56	43	247060	10.570	ppbv	96
53] Tetrachloroethene	17.52	164	122486	9.054	ppbv	94
54] Dibromochloromethane	16.76	129	231346	9.730	ppbv	99
55] 1,2-Dibromoethane (EDB)	17.04	107	196013	9.896	ppbv	99
57) Chlorobenzene	18.19	112	255317	9.357	ppbv	99
58] Ethylbenzene	18.53	91	426962	9.898	ppbv	95
59] 1,1,2,2-Tetrachloroethane	19.11	83	304544	9.870	ppbv	91
60) Nonane	19.30	43	268093	11.029	ppbv	99
61) Isopropylbenzene	19.70	105	451414	10.164	ppbv	99
62) 2-Chlorotoluene	20.17	126	112000	10.086	ppbv	94
63) Propylbenzene	20.17	91	884876	10.845	ppbv	99
64) 4-Ethyltoluene	20.32	105	433350	10.851	ppbv	100
65] m,p-Xylene	18.70	106	313361	19.964	ppbv	93
66] o-Xylene	19.15	106	151434	9.937	ppbv	96
67) Styrene	19.05	104	225490	11.109	ppbv	98
68) Bromoform	18.80	173	246216	9.659	ppbv	100
70] Benzyl chloride	20.95	91	321804	10.225	ppbv	100
71) 1,3,5-Trimethylbenzene	20.39	105	389136	10.828	ppbv	99
72) 1,2,4-Trimethylbenzene	20.80	105	369703	10.011	ppbv	100
73] 1,3-Dichlorobenzene	20.98	146	264406	10.542	ppbv	98
74] 1,4-Dichlorobenzene	21.05	146	250616	10.679	ppbv	97
75] 1,2-Dichlorobenzene	21.41	146	262786	10.351	ppbv	93
76) 1,2,4-Trichlorobenzene	23.64	180	220084	10.392	ppbv	99
77] Naphthalene	23.84	128	389489	10.305	ppbv	99
78] Hexachlorobutadiene	24.44	225	247274	9.551	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	10.000	10.097	-1.0	100	0.00
3	TMP	Dichlorodifluoromethane	10.000	10.006	-0.1	100	0.00
4	TMP	Chloromethane	10.000	9.259	7.4	100	0.00
5	TMP	F-114	10.000	9.417	5.8	102	-0.04
6	TMP	Vinyl chloride	10.000	9.301	7.0	100	0.00
7	TMP	1,3-Butadiene	10.000	9.543	4.6	100	-0.04
8	TMP	Butane	10.000	10.059	-0.6	100	0.00
9	TMP	Bromomethane	10.000	9.276	7.2	100	0.00
10	TMP	Chloroethane	10.000	9.932	0.7	101	0.00
11	TMP	Vinyl bromide	10.000	9.705	2.9	100	-0.02
12	TMP	Ethanol	10.000	8.413	15.9	100	-0.04
13	TMP	Acrolein	10.000	9.059	9.4	100	-0.02
14	TMP	Pentane	10.000	9.918	0.8	100	0.00
15	TMP	Trichlorofluoromethane	10.000	9.590	4.1	99	-0.02
16	TMP	Acetone	10.000	8.903	11.0	100	-0.04
17	TMP	2-Propanol	10.000	10.202	-2.0	99	0.00
18	TMP	1,1-Dichloroethene	10.000	9.010	9.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	10.000	9.371	6.3	100	-0.03
20	TMP	Methylene chloride	10.000	9.358	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	10.000	10.330	-3.3	100	0.00
22	TMP	3-Chloropropene	10.000	10.380	-3.8	100	0.00
23	TMP	CFC-113	10.000	9.836	1.6	100	0.00
24	TMP	Carbon disulfide	10.000	10.044	-0.4	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	10.000	10.225	-2.2	100	-0.03
26	TMP	Vinyl acetate	10.000	10.937	-9.4	100	0.00
27	TMP	1,1-Dichloroethane	10.000	9.507	4.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	10.000	9.400	6.0	100	0.00
29	TMP	Hexane	10.000	10.352	-3.5	100	0.00
30	TMP	Chloroform	10.000	10.013	-0.1	100	-0.02
31	TMP	Ethyl acetate	10.000	10.441	-4.4	100	0.00
32	TMP	Tetrahydrofuran	10.000	11.012	-10.1	100	0.00
33	TMP	2-Butanone (MEK)	10.000	9.988	0.1	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	10.000	9.996	0.0	100	0.00
35	TMP	1,1,1-Trichloroethane	10.000	9.873	1.3	100	-0.01
36	TMP	Carbon tetrachloride	10.000	9.777	2.2	100	0.00
37	TMP	Benzene	10.000	10.048	-0.5	100	0.00
38	TMP	Cyclohexane	10.000	9.988	0.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	10.000	9.142	8.6	100	0.00
41	TMP	1,4-Dioxane	10.000	9.410	5.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	10.000	9.938	0.6	100	-0.03
43	TMP	Methyl methacrylate	10.000	9.981	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	10.000	10.222	-2.2	100	-0.02
45	TMP	Bromodichloromethane	10.000	9.715	2.9	100	0.00
46	TMP	Trichloroethene	10.000	8.664	13.4	100	-0.02
47	TMP	cis-1,3-Dichloropropene	10.000	10.304	-3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	10.000	10.643	-6.4	100	0.00
49	TMP	trans-1,3-Dichloropropene	10.000	10.302	-3.0	100	0.00
50	TMP	Toluene	10.000	9.558	4.4	100	0.00
51	TMP	1,1,2-Trichloroethane	10.000	9.943	0.6	100	0.00
52	TMP	2-Hexanone	10.000	10.570	-5.7	100	0.00
53	TMP	Tetrachloroethene	10.000	9.054	9.5	100	0.00
54	TMP	Dibromochloromethane	10.000	9.730	2.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	10.000	9.896	1.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	10.000	9.357	6.4	100	0.00
58	TMP	Ethylbenzene	10.000	9.898	1.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	10.000	9.870	1.3	100	-0.02
60	TMP	Nonane	10.000	11.029	-10.3	100	0.00
61	TMP	Isopropylbenzene	10.000	10.164	-1.6	100	0.00
62	TMP	2-Chlorotoluene	10.000	10.086	-0.9	100	0.00
63	TMP	Propylbenzene	10.000	10.845	-8.5	100	-0.01
64	TMP	4-Ethyltoluene	10.000	10.851	-8.5	100	0.00
65	TMP	m,p-Xylene	20.000	19.964	0.2	100	0.00
66	TMP	o-Xylene	10.000	9.937	0.6	100	0.00
67	TMP	Styrene	10.000	11.109	-11.1	100	0.00
68	TMP	Bromoform	10.000	9.659	3.4	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.730	-7.3	100	0.00
70	TMP	Benzyl chloride	10.000	10.225	-2.2	101	0.00
71	TMP	1,3,5-Trimethylbenzene	10.000	10.828	-8.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	10.000	10.011	-0.1	100	0.00
73	TMP	1,3-Dichlorobenzene	10.000	10.542	-5.4	100	0.00
74	TMP	1,4-Dichlorobenzene	10.000	10.679	-6.8	100	0.00
75	TMP	1,2-Dichlorobenzene	10.000	10.351	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	10.000	10.392	-3.9	100	0.00
77	TMP	Naphthalene	10.000	10.305	-3.0	100	0.00
78	TMP	Hexachlorobutadiene	10.000	9.551	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.354	13.0	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.125	-0.0	100	0.00
4	TMP	Chloromethane	1.882	1.743	7.4	100	0.00
5	TMP	F-114	4.217	3.971	5.8	102	-0.04
6	TMP	Vinyl chloride	1.851	1.721	7.0	100	0.00
7	TMP	1,3-Butadiene	1.216	1.160	4.6	100	-0.04
8	TMP	Butane	2.183	2.196	-0.6	100	0.00
9	TMP	Bromomethane	1.847	1.713	7.3	100	0.00
10	TMP	Chloroethane	0.655	0.650	0.8	101	0.00
11	TMP	Vinyl bromide	1.609	1.562	2.9	100	-0.02
12	TMP	Ethanol	0.663	0.558	15.8	100	-0.04
13	TMP	Acrolein	0.729	0.660	9.5	100	-0.02
14	TMP	Pentane	2.461	2.440	0.9	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.585	4.1	99	-0.02
16	TMP	Acetone	0.710	0.633	10.8	100	-0.04
17	TMP	2-Propanol	3.096	3.159	-2.0	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.482	9.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.497	6.3	100	-0.03
20	TMP	Methylene chloride	1.479	1.384	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.756	-3.3	100	0.00
22	TMP	3-Chloropropene	2.056	2.134	-3.8	100	0.00
23	TMP	CFC-113	3.469	3.412	1.6	100	0.00
24	TMP	Carbon disulfide	5.167	5.190	-0.4	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.511	-2.2	100	-0.03
26	TMP	Vinyl acetate	3.801	4.157	-9.4	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.178	4.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.589	6.0	100	0.00
29	TMP	Hexane	2.068	2.141	-3.5	100	0.00
30	TMP	Chloroform	4.060	3.655	10.0	100	-0.02
31	TMP	Ethyl acetate	3.789	3.956	-4.4	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.993	-10.2	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.618	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.461	8.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.301	1.3	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.444	2.2	100	0.00
37	TMP	Benzene	5.688	5.043	11.3	100	0.00
38	TMP	Cyclohexane	1.367	1.365	0.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	0.541	0.495	8.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.217	5.7	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.588	0.6	100	-0.03
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

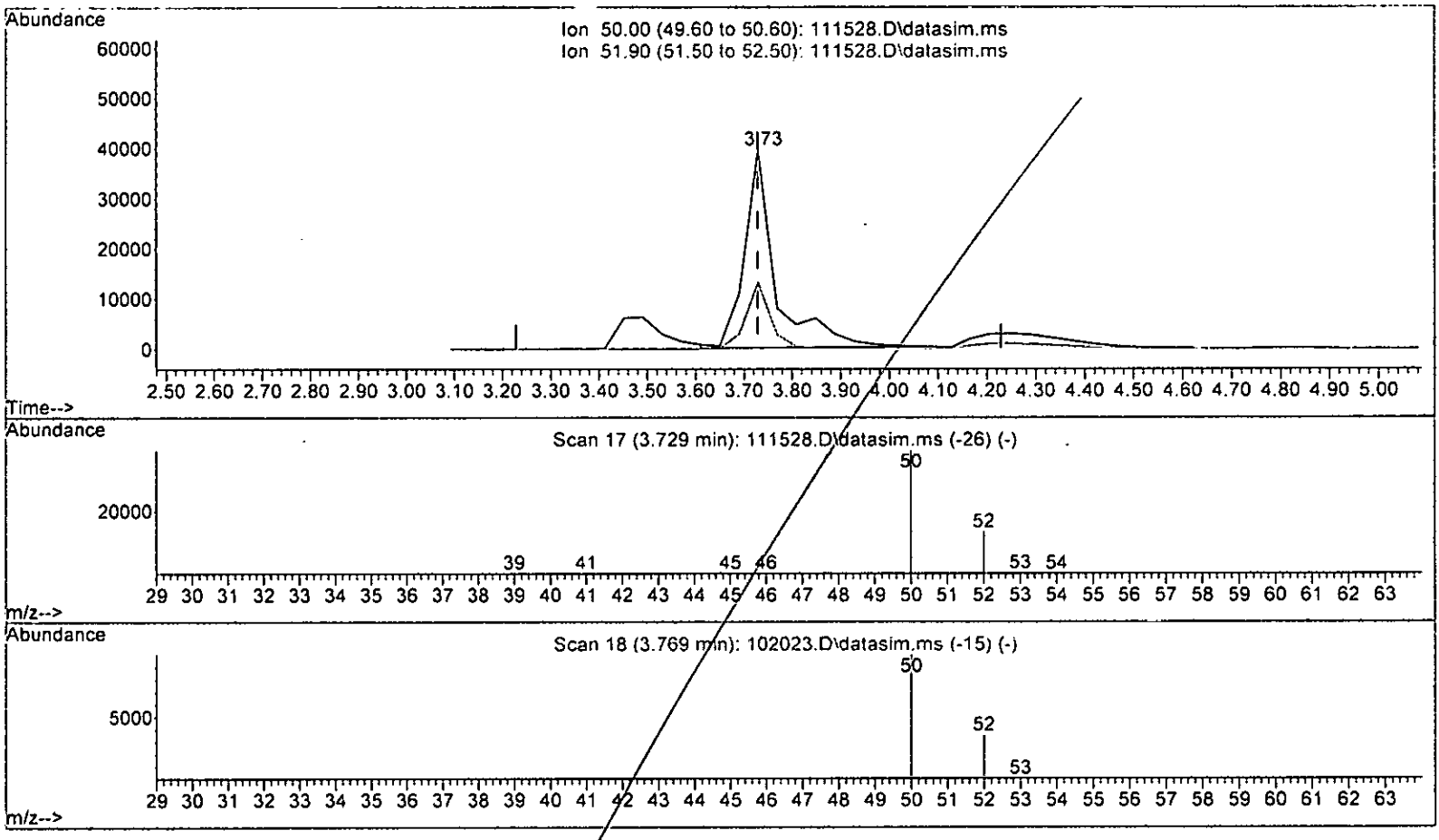
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.678	-2.3	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.825	2.9	100	0.00
46	TMP	Trichloroethene	0.593	0.514	13.3	100	-0.02
47	TMP	cis-1,3-Dichloropropene	0.599	0.617	-3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.047	-6.8	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.580	-3.0	100	0.00
50	TMP	Toluene	0.707	0.676	4.4	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.479	12.9	100	0.00
52	TMP	2-Hexanone	0.846	0.894	-5.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.443	9.6	100	0.00
54	TMP	Dibromochloromethane	0.861	0.838	2.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.710	13.8	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.030	6.4	100	0.00
58	TMP	Ethylbenzene	1.968	1.723	12.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.229	11.8	100	-0.02
60	TMP	Nonane	0.981	1.082	-10.3	100	0.00
61	TMP	Isopropylbenzene	1.792	1.821	-1.6	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.452	-0.9	100	0.00
63	TMP	Propylbenzene	3.292	3.570	-8.4	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.748	-8.5	100	0.00
65	TMP	m,p-Xylene	0.633	0.632	0.2	100	0.00
66	TMP	o-Xylene	0.615	0.611	0.7	100	0.00
67	TMP	Styrene	0.819	0.910	-11.1	100	0.00
68	TMP	Bromoform	1.028	0.993	3.4	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.744	-7.4	100	0.00
70	TMP	Benzyl chloride	0.987	1.298	-31.5#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.570	-8.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.492	-19.6	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.067	-5.4	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.011	-6.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.060	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.888	-41.9#	100	0.00
77	TMP	Naphthalene	1.132	1.571	-38.8#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

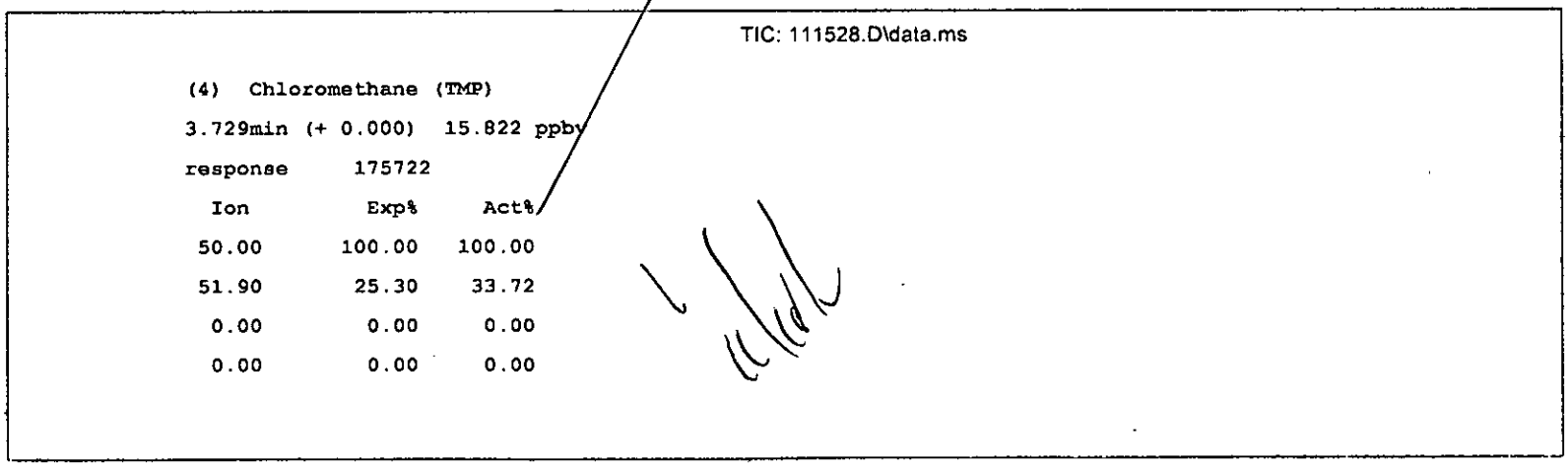
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 15.822 ppbv

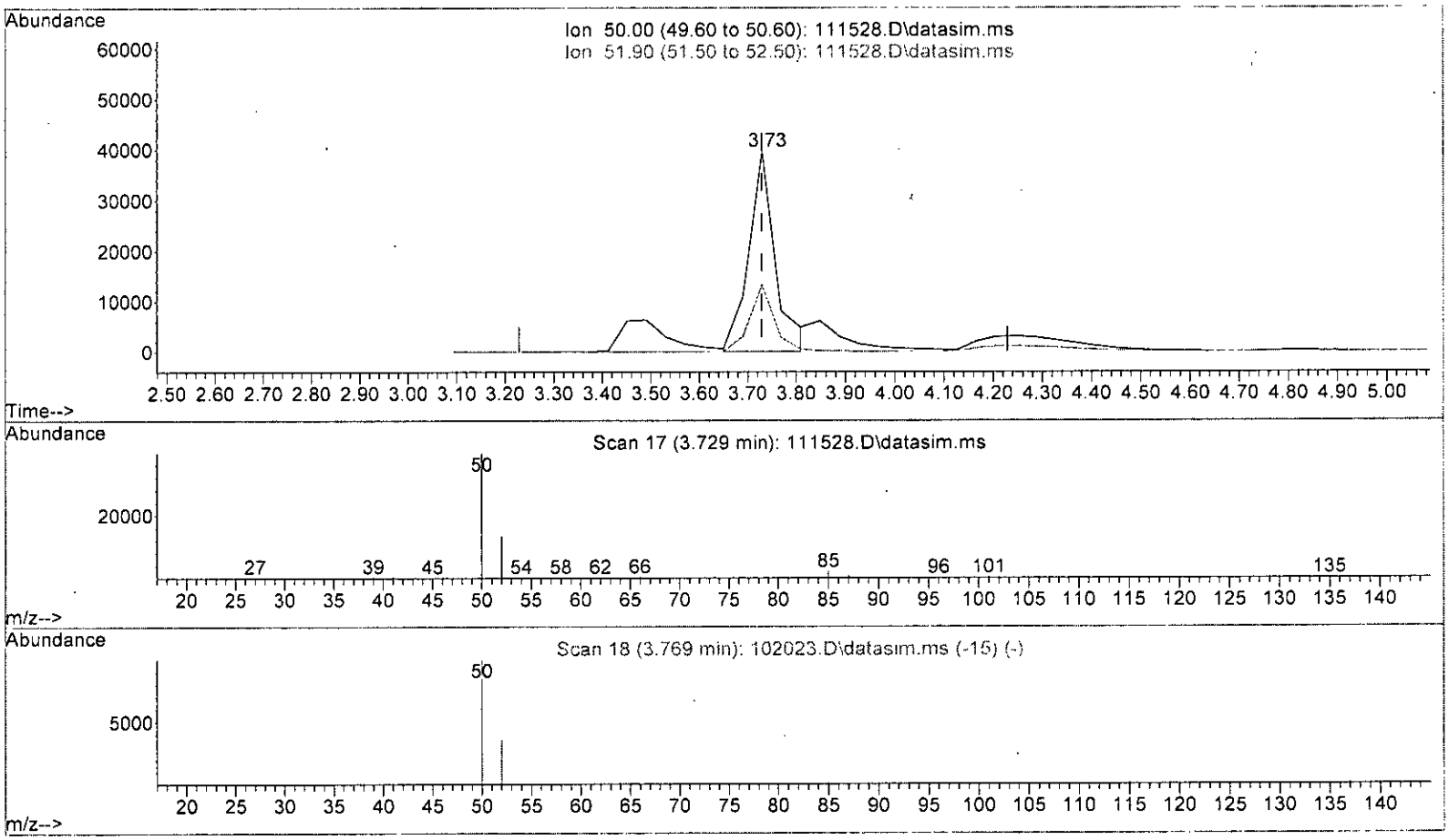
response 175722

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111528.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 13.595 ppbv m

response 150990

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	58999	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	278765	10.000	ppbv		-0.02
56) Chlorobenzene-d5	18.13	117	247324	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	193296	11.278	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	119081	14.708	ppbv		97
3) Dichlorodifluoromethane	3.49	85	359082	14.763	ppbv		99
4] Chloromethane	3.73	50	150990m	13.595	ppbv		
5) F-114	3.84	85	351475	14.127	ppbv		99
6] Vinyl chloride	4.05	62	148970	13.644	ppbv		99
7] 1,3-Butadiene	4.25	54	102296	14.259	ppbv	#	96
8) Butane	4.32	43	191657	14.882	ppbv		99
9) Bromomethane	4.60	94	146095	13.406	ppbv		97
10] Chloroethane	4.84	64	55733	14.433	ppbv		98
11] Vinyl bromide	5.30	106	149440	15.739	ppbv		99
12) Ethanol	4.92	45	58514	14.955	ppbv		100
13] Acrolein	5.40	56	58433	13.588	ppbv		99
14) Pentane	6.25	43	206303	14.211	ppbv		99
15) Trichlorofluoromethane	5.82	101	397811	14.102	ppbv		100
16) Acetone	5.53	58	54612	13.029	ppbv		92
17) 2-Propanol	5.78	45	269801	14.771	ppbv		100
18] 1,1-Dichloroethene	6.63	96	127304	13.115	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	128944	13.678	ppbv		94
20) Methylene chloride	6.80	84	120892	13.856	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	244526	15.535	ppbv	#	79
22) 3-Chloropropene	6.94	41	188878	15.570	ppbv		98
23) CFC-113	7.15	101	289544	14.145	ppbv		98
24) Carbon disulfide	7.25	76	453954	14.892	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	300742	14.845	ppbv		98
26) Vinyl acetate	8.54	43	368654	16.439	ppbv		99
27] 1,1-Dichloroethane	8.36	63	272963	13.842	ppbv		100
28] cis-1,2-Dichloroethene	9.62	96	136919	13.732	ppbv		86
29) Hexane	9.99	57	190651	15.625	ppbv		96
30] Chloroform	10.08	83	311416	14.974	ppbv		98
31) Ethyl acetate	9.92	43	349665	15.643	ppbv		99
32) Tetrahydrofuran	10.73	42	175763	16.464	ppbv		92
33) 2-Butanone (MEK)	8.88	72	54432	14.907	ppbv	#	89
34] 1,2-Dichloroethane (EDC)	11.34	62	211556	14.954	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	282594	14.326	ppbv		98
36] Carbon tetrachloride	12.86	117	295682	14.227	ppbv		96
37] Benzene	12.61	78	434213	14.934	ppbv		94
38) Cyclohexane	13.07	84	118410	14.682	ppbv		98
40] 1,2-Dichloropropane	13.80	63	201812	13.371	ppbv		98

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

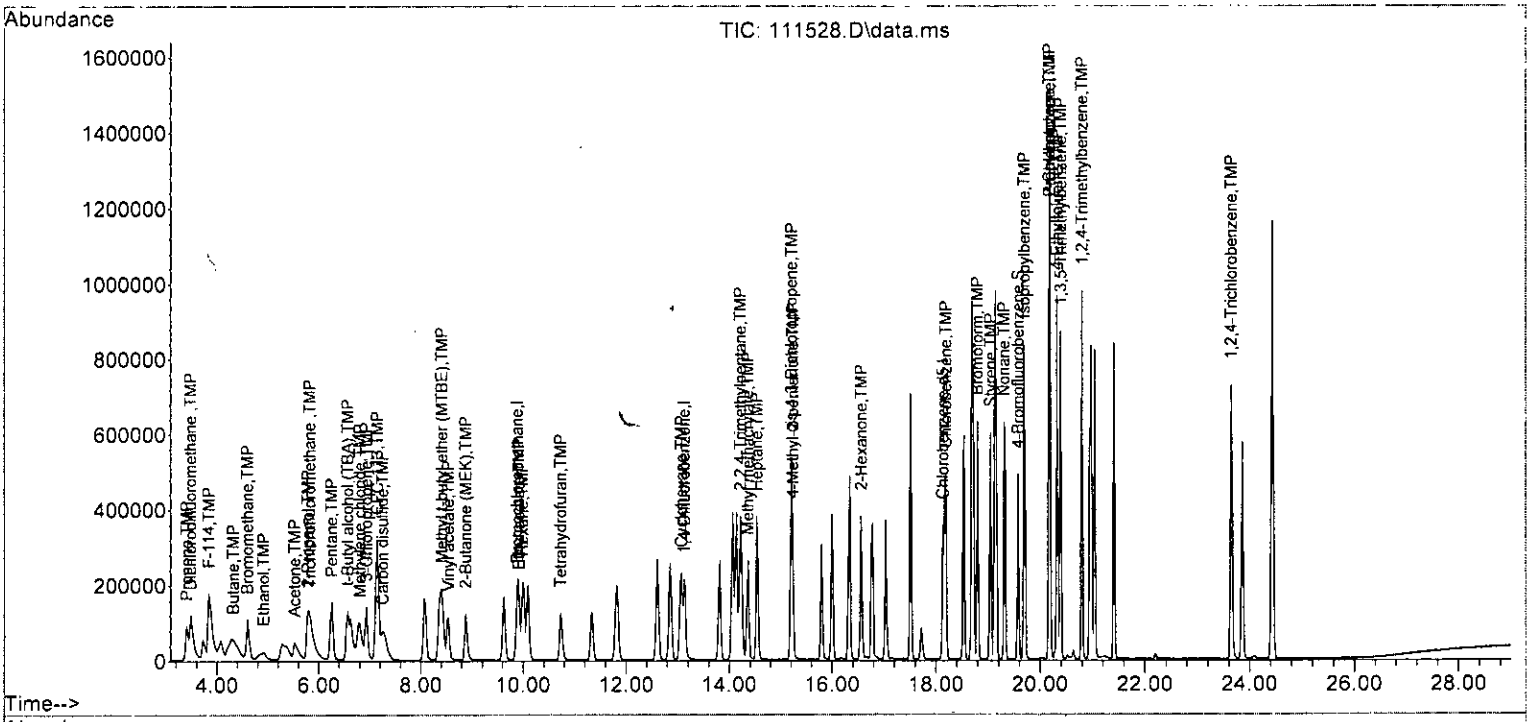
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	89988	14.019	ppbv		96
42) 2,2,4-Trimethylpentane	14.21	57	656524	14.734	ppbv		97
43) Methyl methacrylate	14.36	41	203939	15.076	ppbv		100
44) Heptane	14.53	43	282353	15.267	ppbv		99
45] Bromodichloromethane	14.04	83	332802	14.052	ppbv		97
46] Trichloroethene	14.12	95	209252	12.656	ppbv		78
47) cis-1,3-Dichloropropene	15.20	75	252568	15.133	ppbv		98
48) 4-Methyl-2-pentanone	15.23	100	18663	15.128	ppbv	#	94
49] trans-1,3-Dichloropropene	15.78	75	241740	15.399	ppbv		85
50] Toluene	16.31	92	277732	14.091	ppbv		90
51] 1,1,2-Trichloroethane	16.00	83	192766	15.049	ppbv		87
52) 2-Hexanone	16.56	43	365792	15.506	ppbv		97
53] Tetrachloroethene	17.52	164	178050	13.040	ppbv		95
54] Dibromochloromethane	16.76	129	341786	14.243	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	287988	15.020	ppbv		98
57) Chlorobenzene	18.19	112	374572	13.758	ppbv		99
58] Ethylbenzene	18.53	91	636030	15.041	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.13	83	443331	15.117	ppbv		91
60) Nonane	19.30	43	405196	16.706	ppbv		99
61) Isopropylbenzene	19.70	105	665976	15.027	ppbv		100
62) 2-Chlorotoluene	20.17	126	166677	15.042	ppbv		94
63) Propylbenzene	20.17	91	1313928	16.138	ppbv		99
64) 4-Ethyltoluene	20.32	105	657585	16.501	ppbv		100
65] m,p-Xylene	18.70	106	467929	29.877	ppbv		93
66] o-Xylene	19.15	106	224701	14.777	ppbv		96
67) Styrene	19.05	104	342860	16.927	ppbv		97
68) Bromoform	18.80	173	367235	14.438	ppbv		100
70] Benzyl chloride	20.95	91	494550	14.939	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	583256	16.264	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	579681	14.930	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	394442	15.761	ppbv		97
74] 1,4-Dichlorobenzene	21.05	146	379907	16.223	ppbv		97
75] 1,2-Dichlorobenzene	21.41	146	393119	15.518	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	352765	14.658	ppbv		99
77] Naphthalene	23.84	128	680136	14.479	ppbv		99
78] Hexachlorobutadiene	24.44	225	370230	14.331	ppbv		100

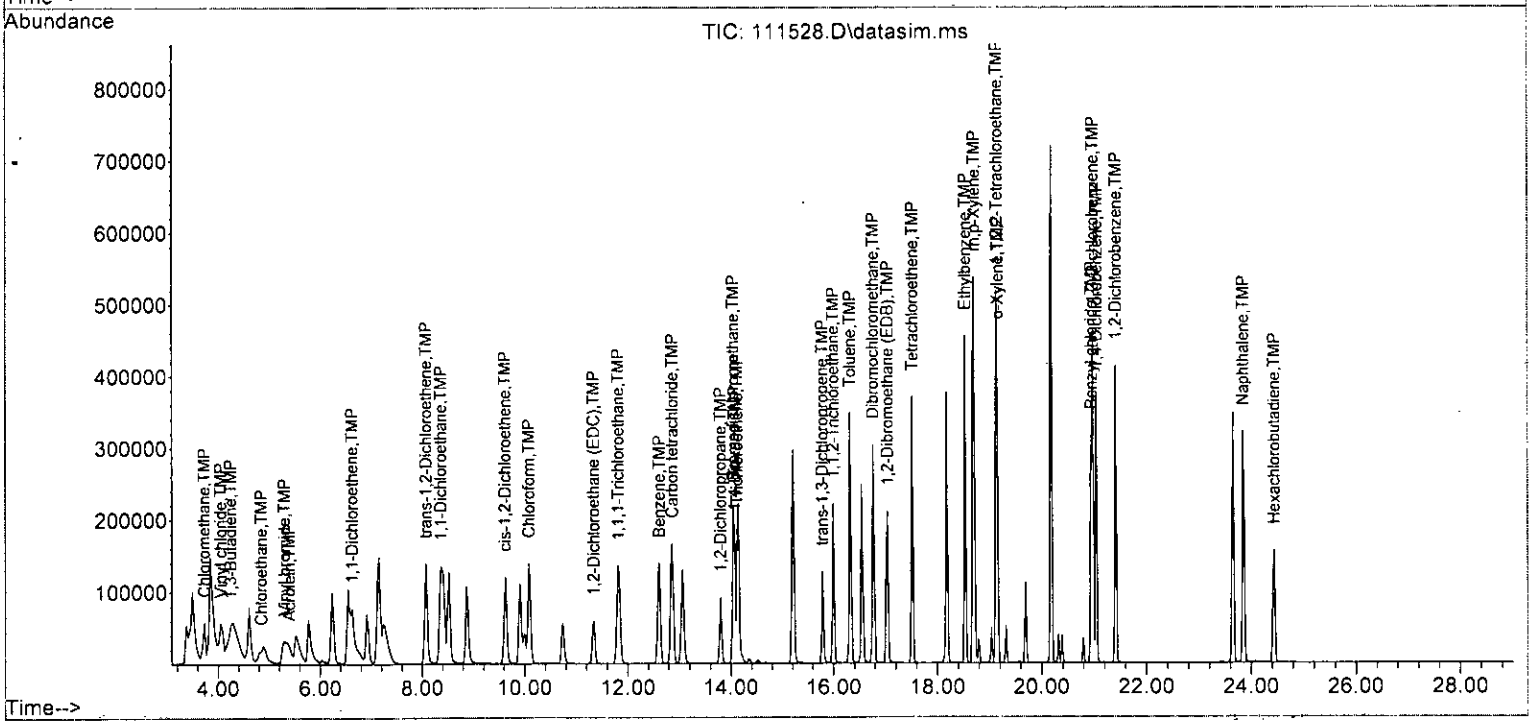
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	15.000	14.708	1.9	100	0.00
3	TMP	Dichlorodifluoromethane	15.000	14.763	1.6	100	0.00
4	TMP	Chloromethane	15.000	13.595	9.4	100	0.00
5	TMP	F-114	15.000	14.127	5.8	103	-0.04
6	TMP	Vinyl chloride	15.000	13.644	9.0	100	-0.04
7	TMP	1,3-Butadiene	15.000	14.259	4.9	100	-0.04
8	TMP	Butane	15.000	14.882	0.8	101	0.00
9	TMP	Bromomethane	15.000	13.406	10.6	100	0.00
10	TMP	Chloroethane	15.000	14.433	3.8	101	0.00
11	TMP	Vinyl bromide	15.000	15.739	-4.9	110	-0.02
12	TMP	Ethanol	15.000	14.955	0.3	100	-0.04
13	TMP	Acrolein	15.000	13.588	9.4	100	-0.02
14	TMP	Pentane	15.000	14.211	5.3	100	0.00
15	TMP	Trichlorofluoromethane	15.000	14.102	6.0	99	-0.02
16	TMP	Acetone	15.000	13.029	13.1	100	-0.04
17	TMP	2-Propanol	15.000	14.771	1.5	98	0.00
18	TMP	1,1-Dichloroethene	15.000	13.115	12.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	15.000	13.678	8.8	100	-0.03
20	TMP	Methylene chloride	15.000	13.856	7.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	15.000	15.535	-3.6	100	0.00
22	TMP	3-Chloropropene	15.000	15.570	-3.8	100	0.00
23	TMP	CFC-113	15.000	14.145	5.7	100	0.00
24	TMP	Carbon disulfide	15.000	14.892	0.7	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	15.000	14.845	1.0	100	-0.03
26	TMP	Vinyl acetate	15.000	16.439	-9.6	100	0.00
27	TMP	1,1-Dichloroethane	15.000	13.842	7.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	15.000	13.732	8.5	100	-0.02
29	TMP	Hexane	15.000	15.625	-4.2	100	-0.02
30	TMP	Chloroform	15.000	14.974	0.2	100	-0.02
31	TMP	Ethyl acetate	15.000	15.643	-4.3	100	0.00
32	TMP	Tetrahydrofuran	15.000	16.464	-9.8	100	-0.02
33	TMP	2-Butanone (MEK)	15.000	14.907	0.6	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	15.000	14.954	0.3	100	0.00
35	TMP	1,1,1-Trichloroethane	15.000	14.326	4.5	100	-0.01
36	TMP	Carbon tetrachloride	15.000	14.227	5.2	100	0.00
37	TMP	Benzene	15.000	14.934	0.4	100	0.00
38	TMP	Cyclohexane	15.000	14.682	2.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	15.000	13.371	10.9	100	0.00
41	TMP	1,4-Dioxane	15.000	14.019	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	15.000	14.734	1.8	100	-0.03
43	TMP	Methyl methacrylate	15.000	15.076	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	15.000	15.267	-1.8	100	-0.02
45	TMP	Bromodichloromethane	15.000	14.052	6.3	100	0.00
46	TMP	Trichloroethene	15.000	12.656	15.6	100	-0.02
47	TMP	cis-1,3-Dichloropropene	15.000	15.133	-0.9	100	0.00
48	TMP	4-Methyl-2-pentanone	15.000	15.128	-0.9	100	0.00
49	TMP	trans-1,3-Dichloropropene	15.000	15.399	-2.7	100	0.00
50	TMP	Toluene	15.000	14.091	6.1	100	0.00
51	TMP	1,1,2-Trichloroethane	15.000	15.049	-0.3	100	0.00
52	TMP	2-Hexanone	15.000	15.506	-3.4	100	0.00
53	TMP	Tetrachloroethene	15.000	13.040	13.1	100	0.00
54	TMP	Dibromochloromethane	15.000	14.243	5.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	15.000	15.020	-0.1	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	15.000	13.758	8.3	100	0.00
58	TMP	Ethylbenzene	15.000	15.041	-0.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	15.000	15.117	-0.8	100	0.00
60	TMP	Nonane	15.000	16.706	-11.4	100	0.00
61	TMP	Isopropylbenzene	15.000	15.027	-0.2	100	0.00
62	TMP	2-Chlorotoluene	15.000	15.042	-0.3	100	0.00
63	TMP	Propylbenzene	15.000	16.138	-7.6	100	-0.01
64	TMP	4-Ethyltoluene	15.000	16.501	-10.0	100	0.00
65	TMP	m,p-Xylene	30.000	29.877	0.4	100	0.00
66	TMP	o-Xylene	15.000	14.777	1.5	100	0.00
67	TMP	Styrene	15.000	16.927	-12.8	100	0.00
68	TMP	Bromoform	15.000	14.438	3.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	11.278	-12.8	100	0.00
70	TMP	Benzyl chloride	15.000	14.939	0.4	102	0.00
71	TMP	1,3,5-Trimethylbenzene	15.000	16.264	-8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	15.000	14.930	0.5	100	0.00
73	TMP	1,3-Dichlorobenzene	15.000	15.761	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	15.000	16.223	-8.2	100	0.00
75	TMP	1,2-Dichlorobenzene	15.000	15.518	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	15.000	14.658	2.3	100	0.00
77	TMP	Naphthalene	15.000	14.479	3.5	100	0.00
78	TMP	Hexachlorobutadiene	15.000	14.331	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.346	13.5	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.057	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.706	9.4	100	0.00
5	TMP	F-114	4.217	3.972	5.8	103	-0.04
6	TMP	Vinyl chloride	1.851	1.683	9.1	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.156	4.9	100	-0.04
8	TMP	Butane	2.183	2.166	0.8	101	0.00
9	TMP	Bromomethane	1.847	1.651	10.6	100	0.00
10	TMP	Chloroethane	0.655	0.630	3.8	101	0.00
11	TMP	Vinyl bromide	1.609	1.689	-5.0	110	-0.02
12	TMP	Ethanol	0.663	0.661	0.3	100	-0.04
13	TMP	Acrolein	0.729	0.660	9.5	100	-0.02
14	TMP	Pentane	2.461	2.331	5.3	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.495	6.0	99	-0.02
16	TMP	Acetone	0.710	0.617	13.1	100	-0.04
17	TMP	2-Propanol	3.096	3.049	1.5	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.438	12.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.457	8.8	100	-0.03
20	TMP	Methylene chloride	1.479	1.366	7.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.763	-3.6	100	0.00
22	TMP	3-Chloropropene	2.056	2.134	-3.8	100	0.00
23	TMP	CFC-113	3.469	3.272	5.7	100	0.00
24	TMP	Carbon disulfide	5.167	5.130	0.7	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.398	1.0	100	-0.03
26	TMP	Vinyl acetate	3.801	4.166	-9.6	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.084	7.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.547	8.5	100	-0.02
29	TMP	Hexane	2.068	2.154	-4.2	100	-0.02
30	TMP	Chloroform	4.060	3.519	13.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.951	-4.3	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.986	-9.8	100	-0.02
33	TMP	2-Butanone (MEK)	0.619	0.615	0.6	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.391	11.0	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.193	4.5	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.341	5.2	100	0.00
37	TMP	Benzene	5.688	4.906	13.7	100	0.00
38	TMP	Cyclohexane	1.367	1.338	2.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	0.541	0.483	10.7	100	0.00
41	TMP	1,4-Dioxane	0.230	0.215	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.570	1.8	100	-0.03
43	TMP	Methyl methacrylate	0.485	0.488	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

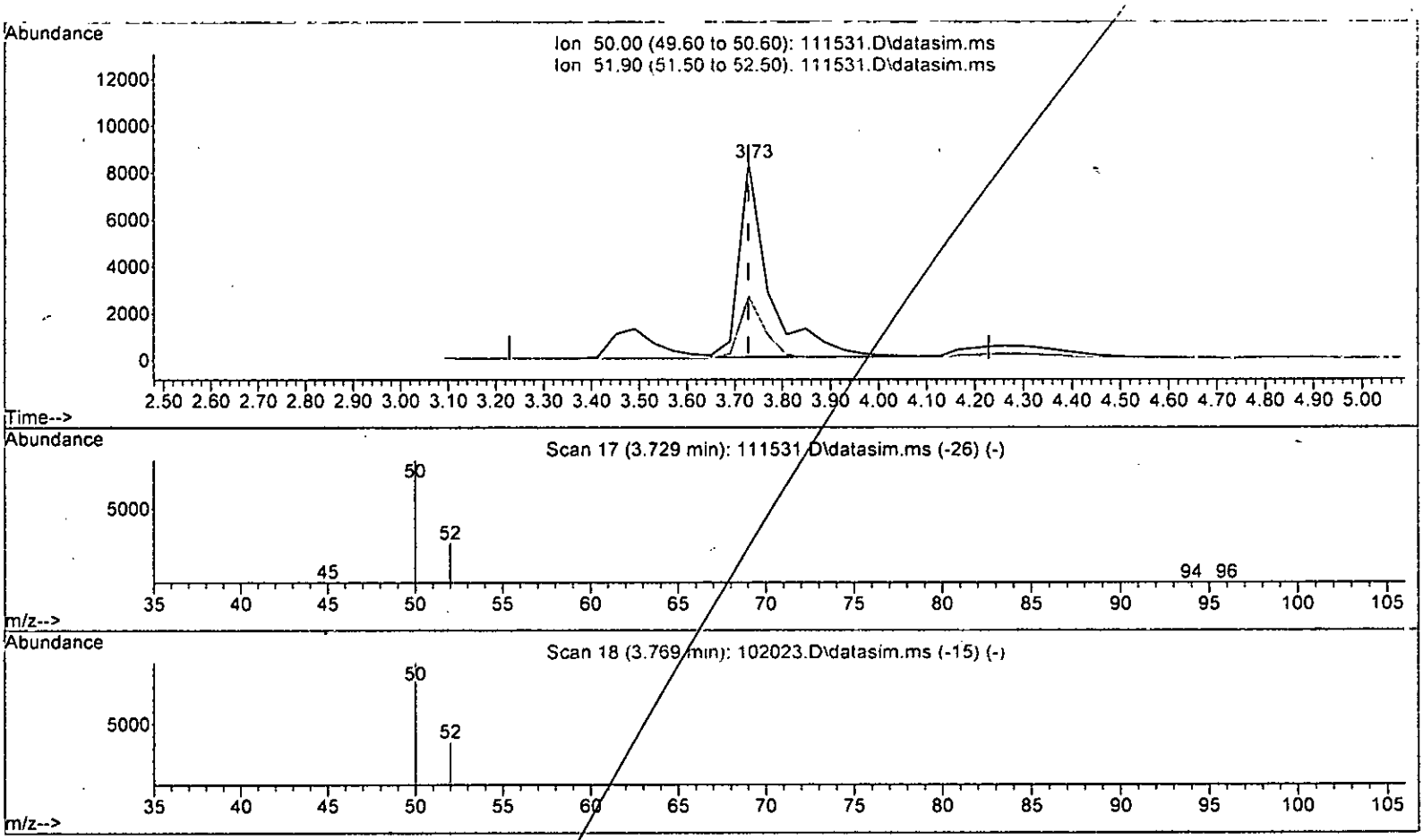
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.675	-1.8	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.796	6.4	100	0.00
46	TMP	Trichloroethene	0.593	0.500	15.7	100	-0.02
47	TMP	cis-1,3-Dichloropropene	0.599	0.604	-0.8	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.578	-2.7	100	0.00
50	TMP	Toluene	0.707	0.664	6.1	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.461	16.2	100	0.00
52	TMP	2-Hexanone	0.846	0.875	-3.4	100	0.00
53	TMP	Tetrachloroethene	0.490	0.426	13.1	100	0.00
54	TMP	Dibromochloromethane	0.861	0.817	5.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.689	16.4	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.010	8.3	100	0.00
58	TMP	Ethylbenzene	1.968	1.714	12.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.195	14.3	100	0.00
60	TMP	Nonane	0.981	1.092	-11.3	100	0.00
61	TMP	Isopropylbenzene	1.792	1.795	-0.2	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.449	-0.2	100	0.00
63	TMP	Propylbenzene	3.292	3.542	-7.6	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.773	-10.1	100	0.00
65	TMP	m,p-Xylene	0.633	0.631	0.3	100	0.00
66	TMP	o-Xylene	0.615	0.606	1.5	100	0.00
67	TMP	Styrene	0.819	0.924	-12.8	100	0.00
68	TMP	Bromoform	1.028	0.990	3.7	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.782	-12.8	100	0.00
70	TMP	Benzyl chloride	0.987	1.333	-35.1#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.572	-8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.563	-25.3	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.063	-5.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.024	-8.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.060	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.951	-51.9#	100	0.00
77	TMP	Naphthalene	1.132	1.833	-61.9#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 3.080 ppbv

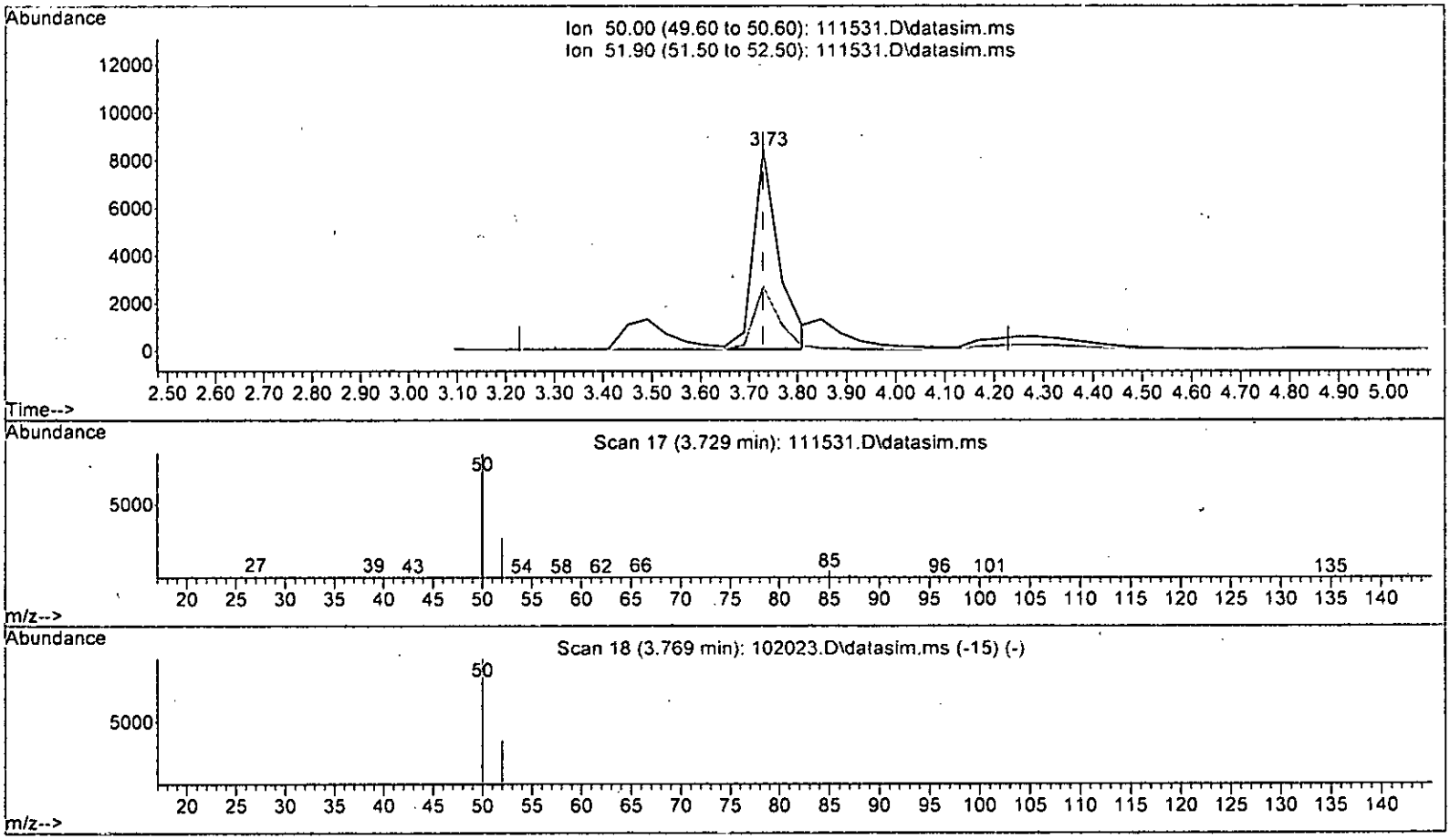
response 35937

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.642 ppbv m

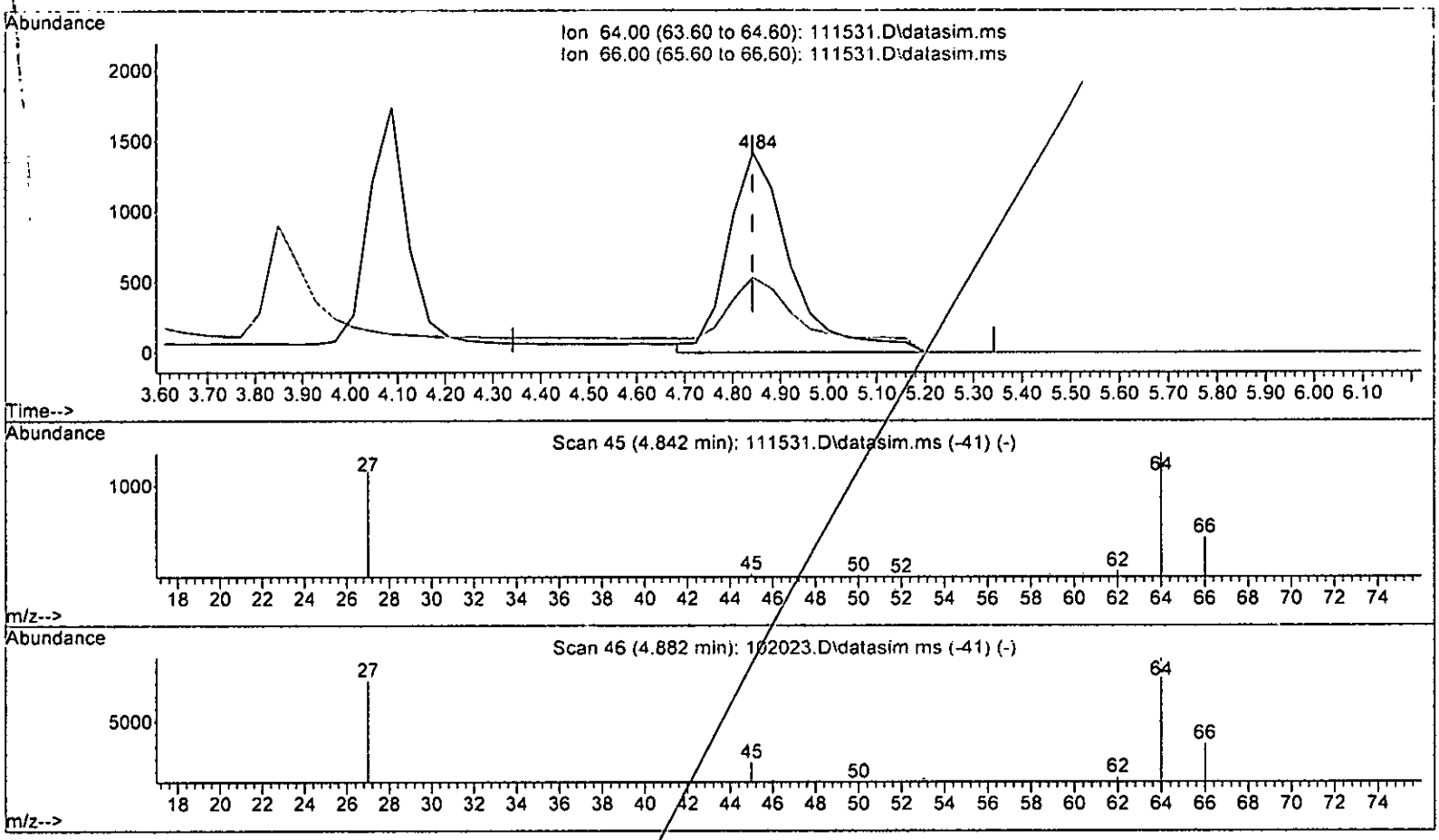
response 30819

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 3.021 ppbv

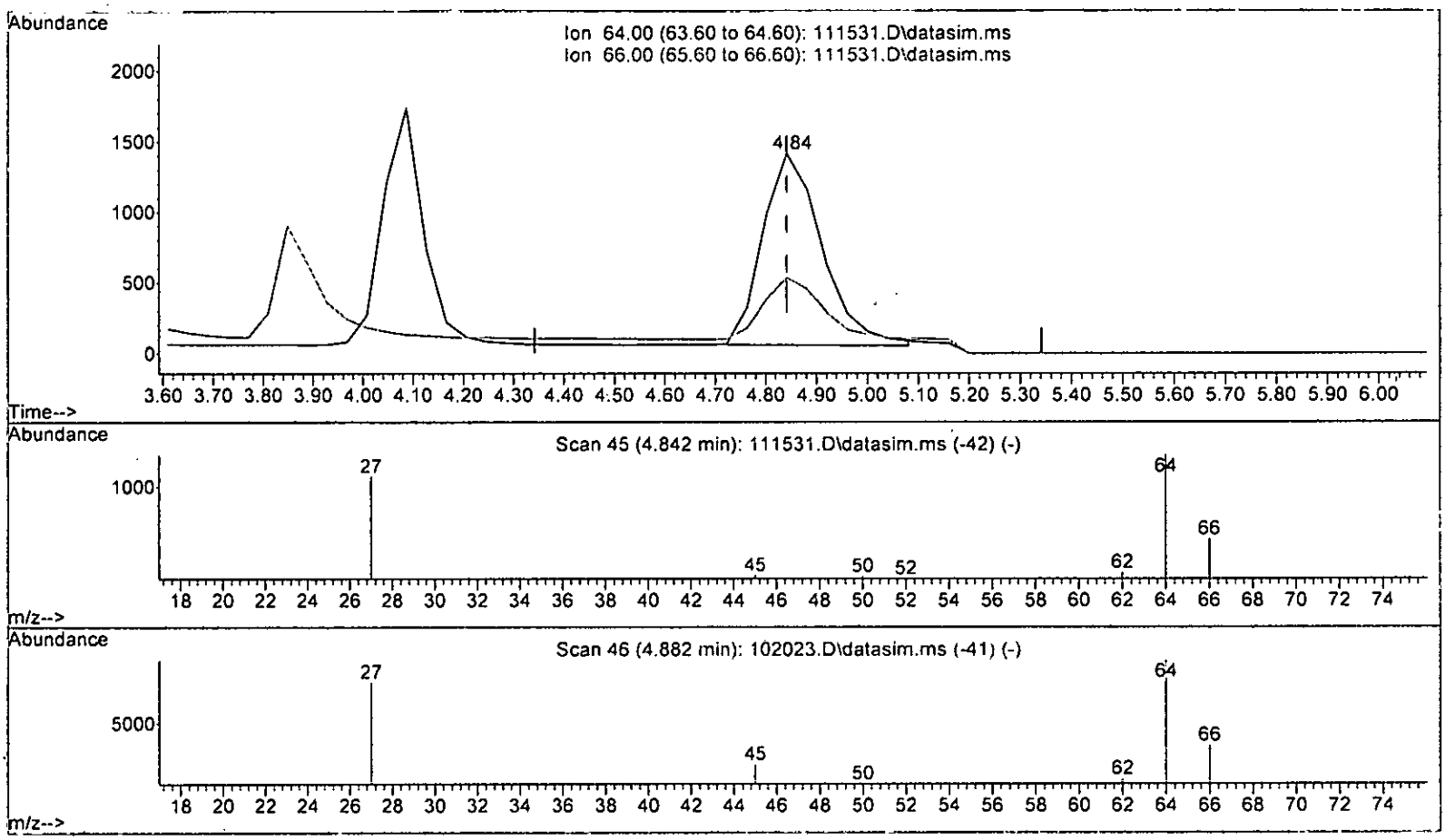
response 12254

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 2.703 ppbv m

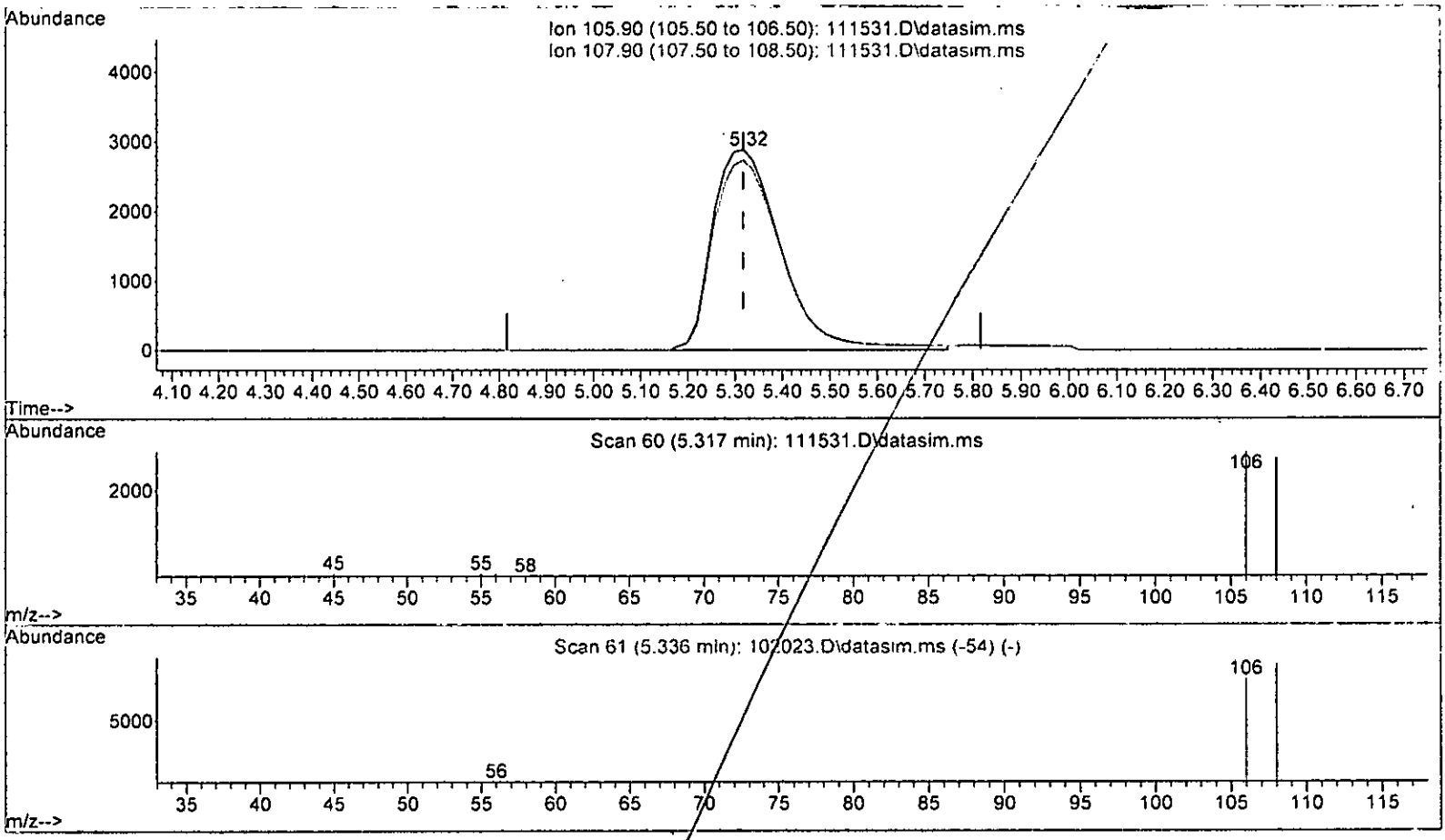
response 10966

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

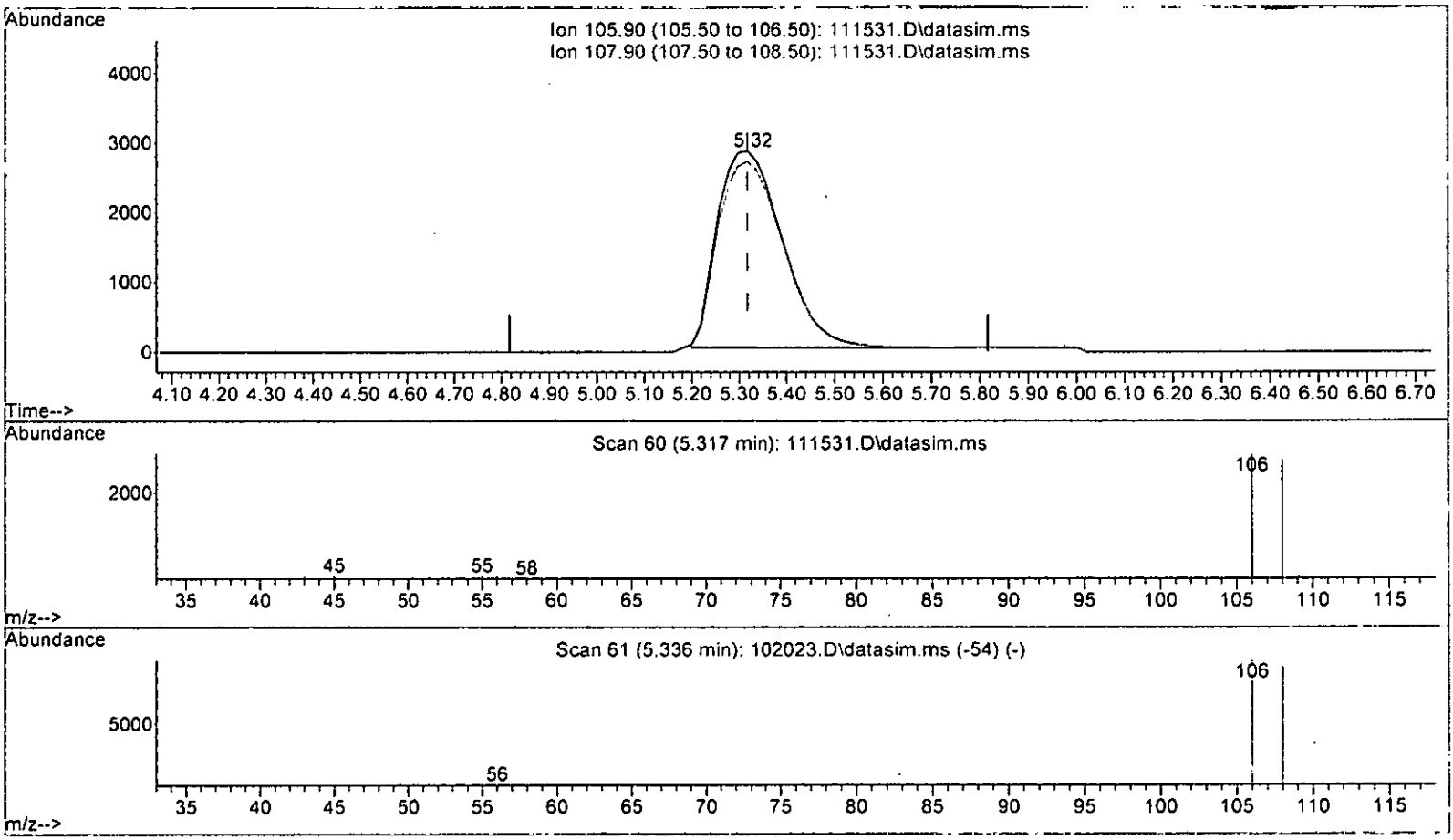
(11) Vinyl bromide (TMP)
5.317min (+ 0.000) 3.103 ppbv
response 30951

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (+ 0.000) 2.701 ppbv m

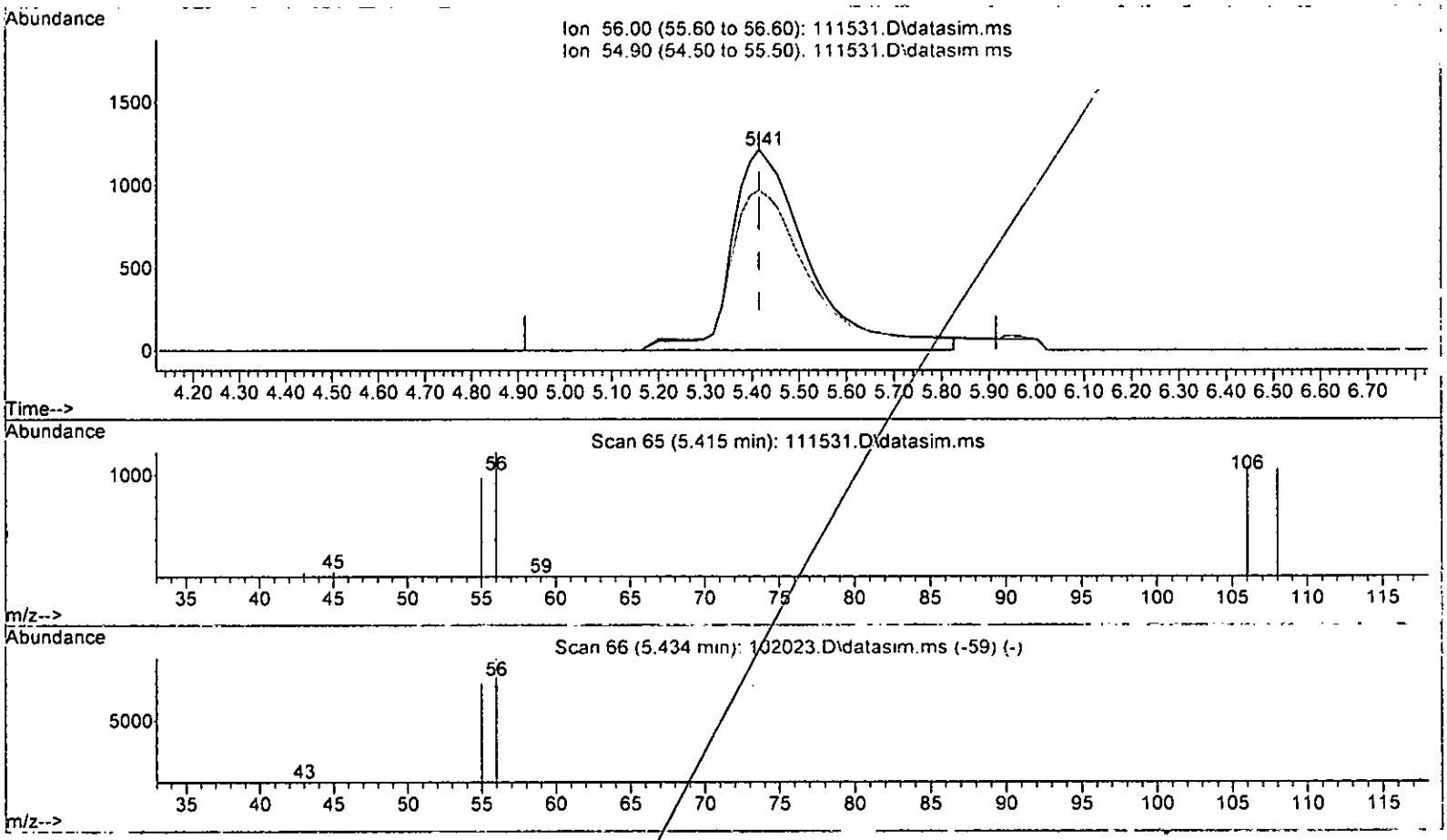
response 26943

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	108.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 3.208 ppbv

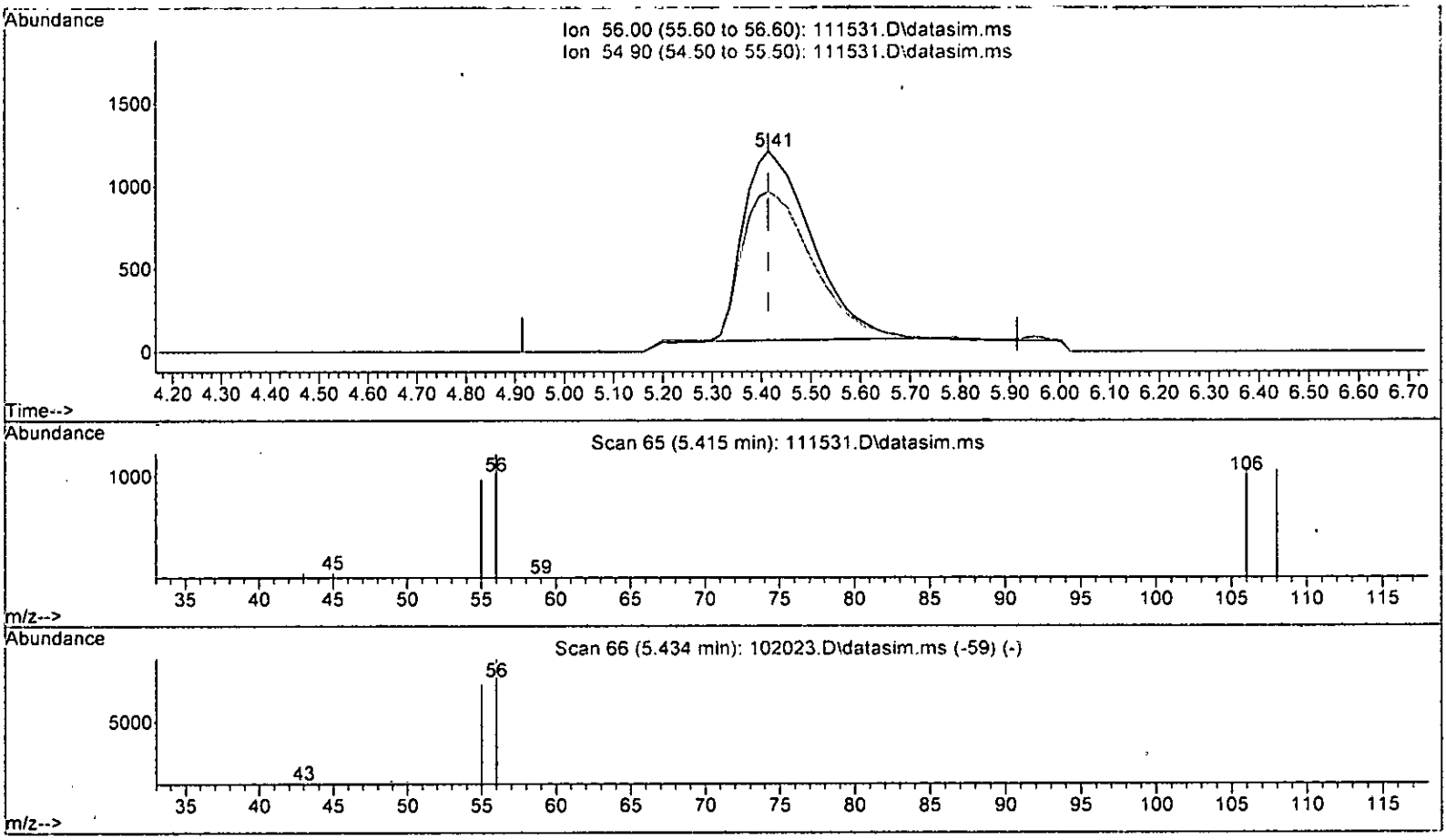
response 14492

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	67.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.428 ppbv m

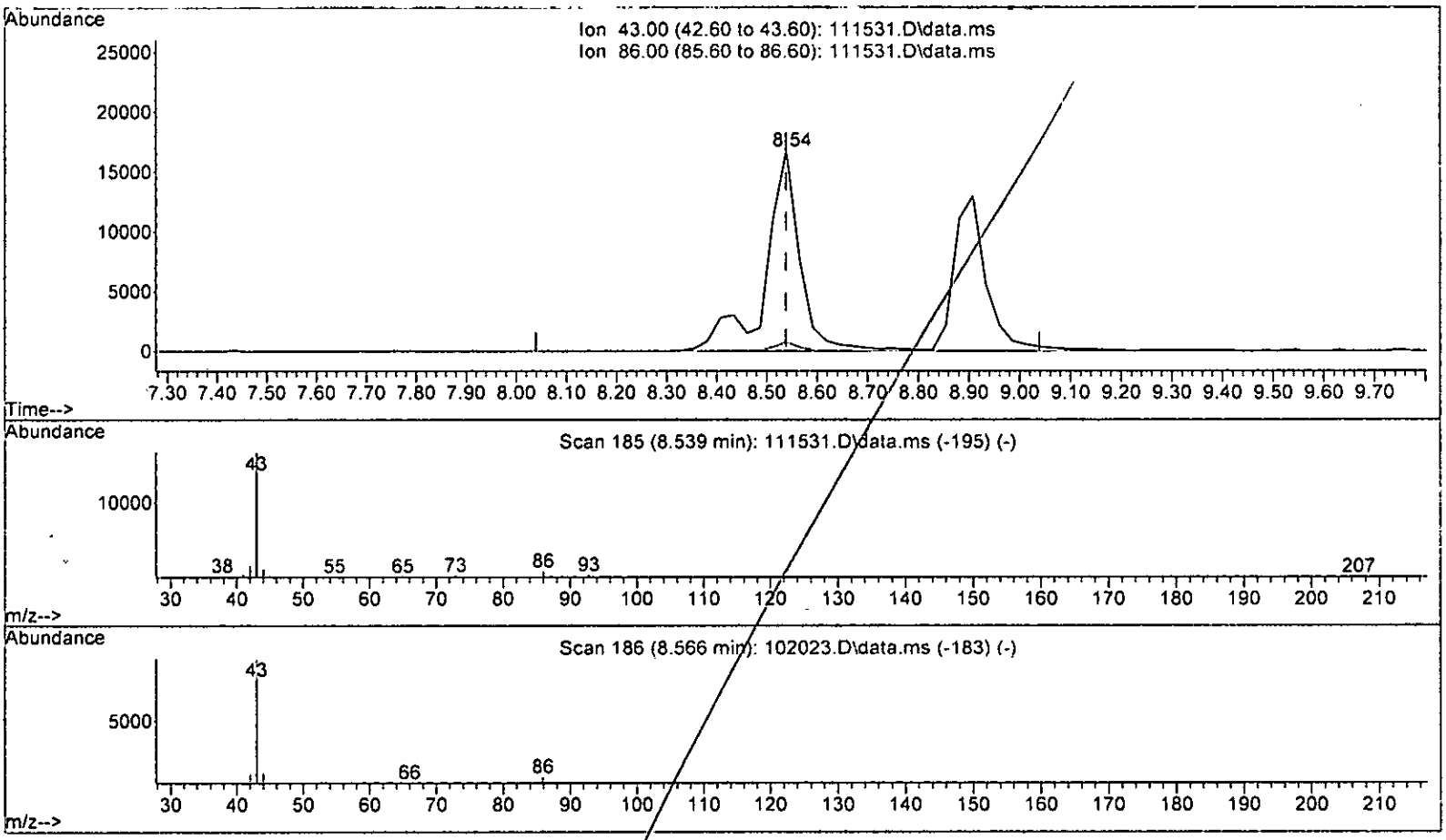
response 10966

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	89.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

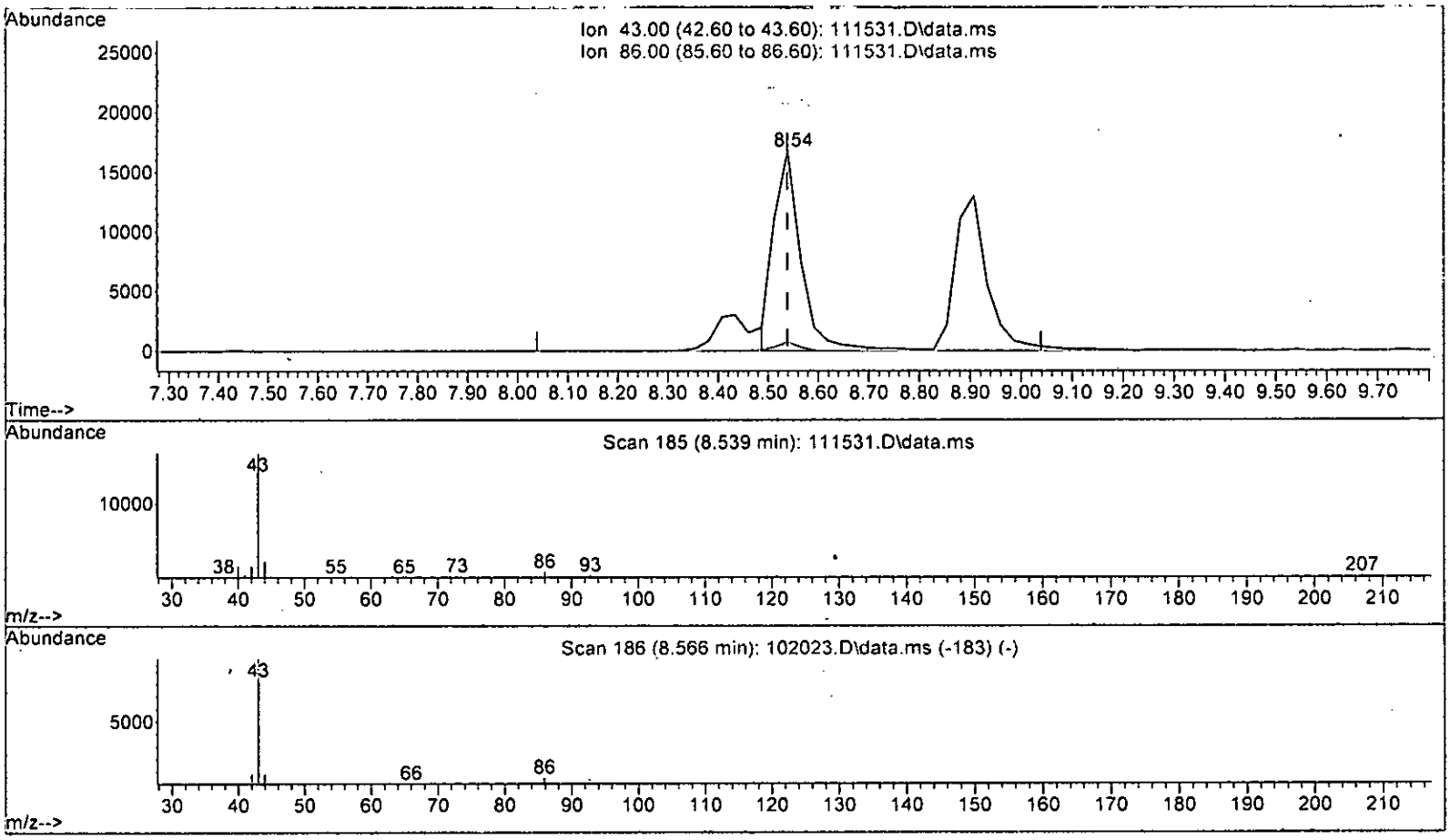
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.372 ppbv
response 79442

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

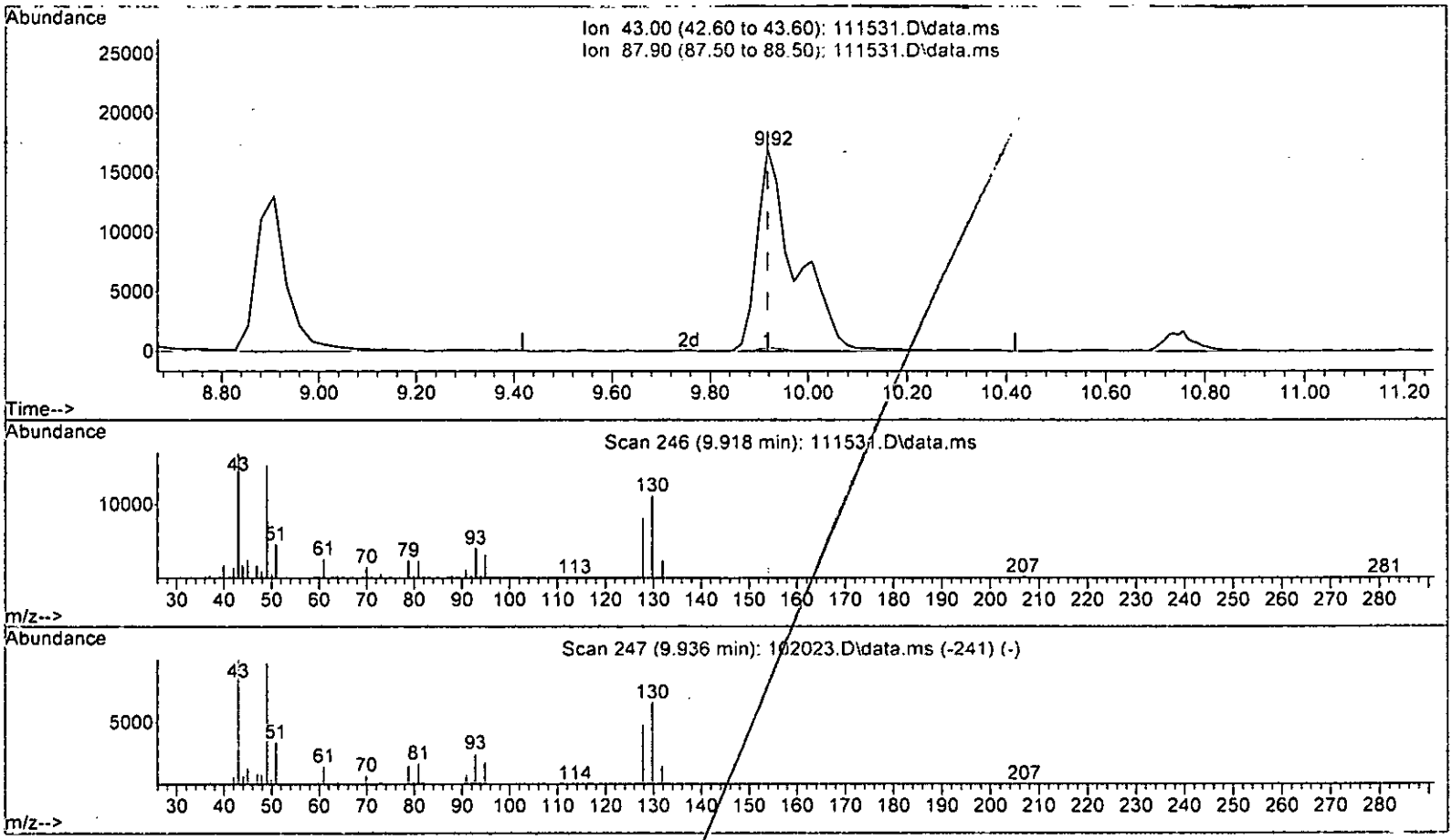
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.636 ppbv m
response 62089

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

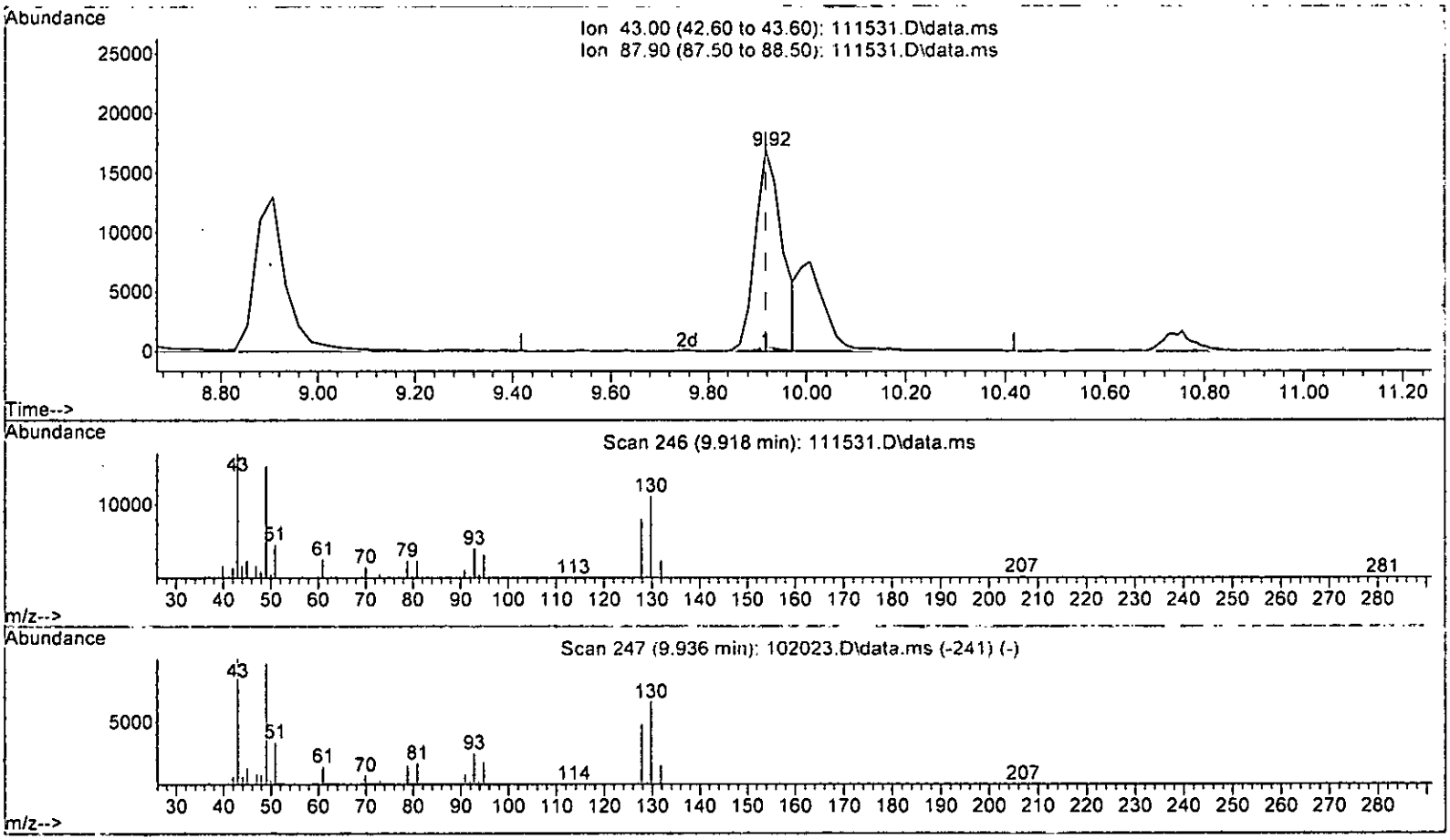
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.959 ppbv
response 92951

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

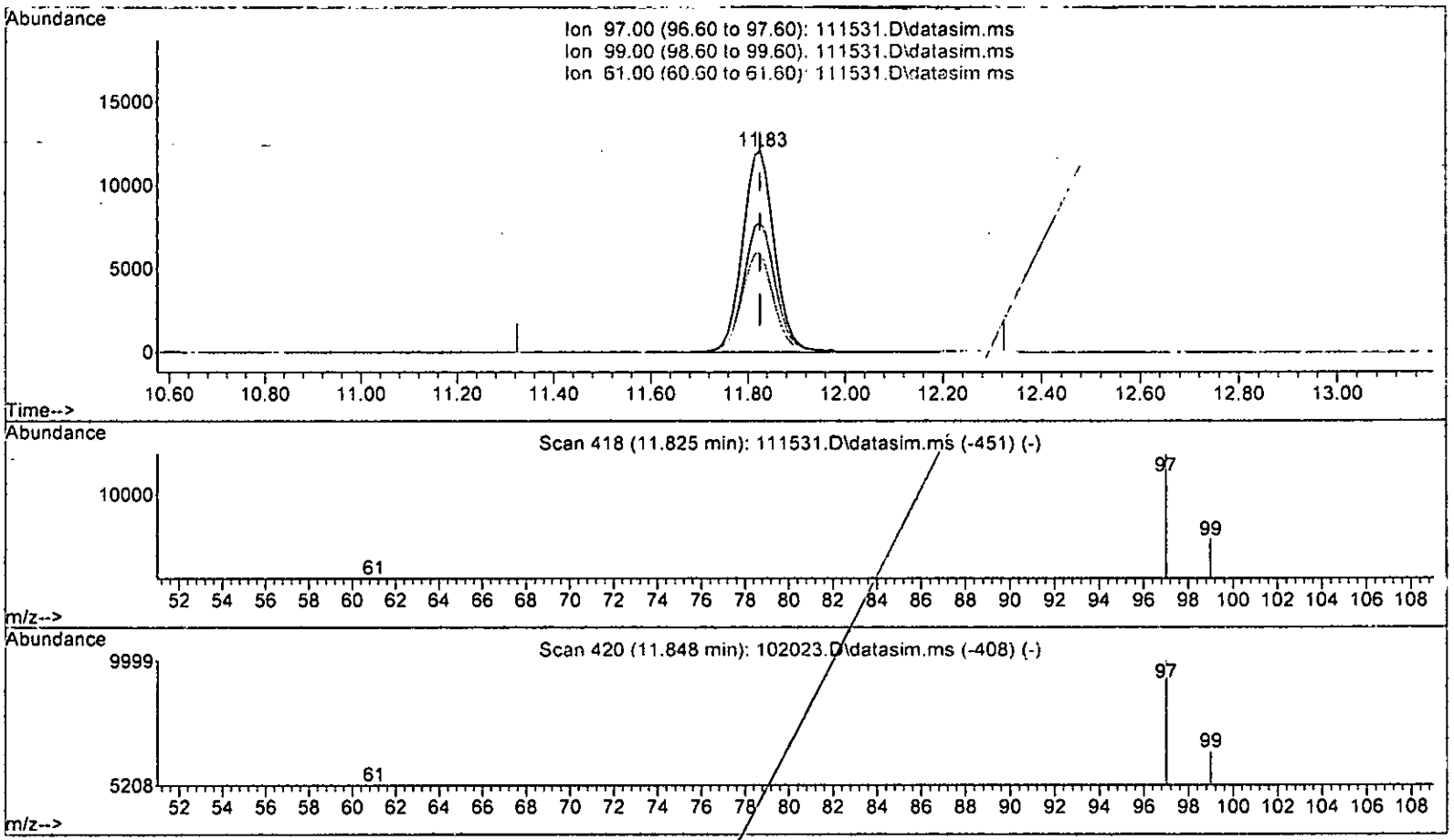
(31) Ethyl acetate (TMP)
9.918min (-0.000) 2.770 ppbv m
response 65034

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.690 ppbv

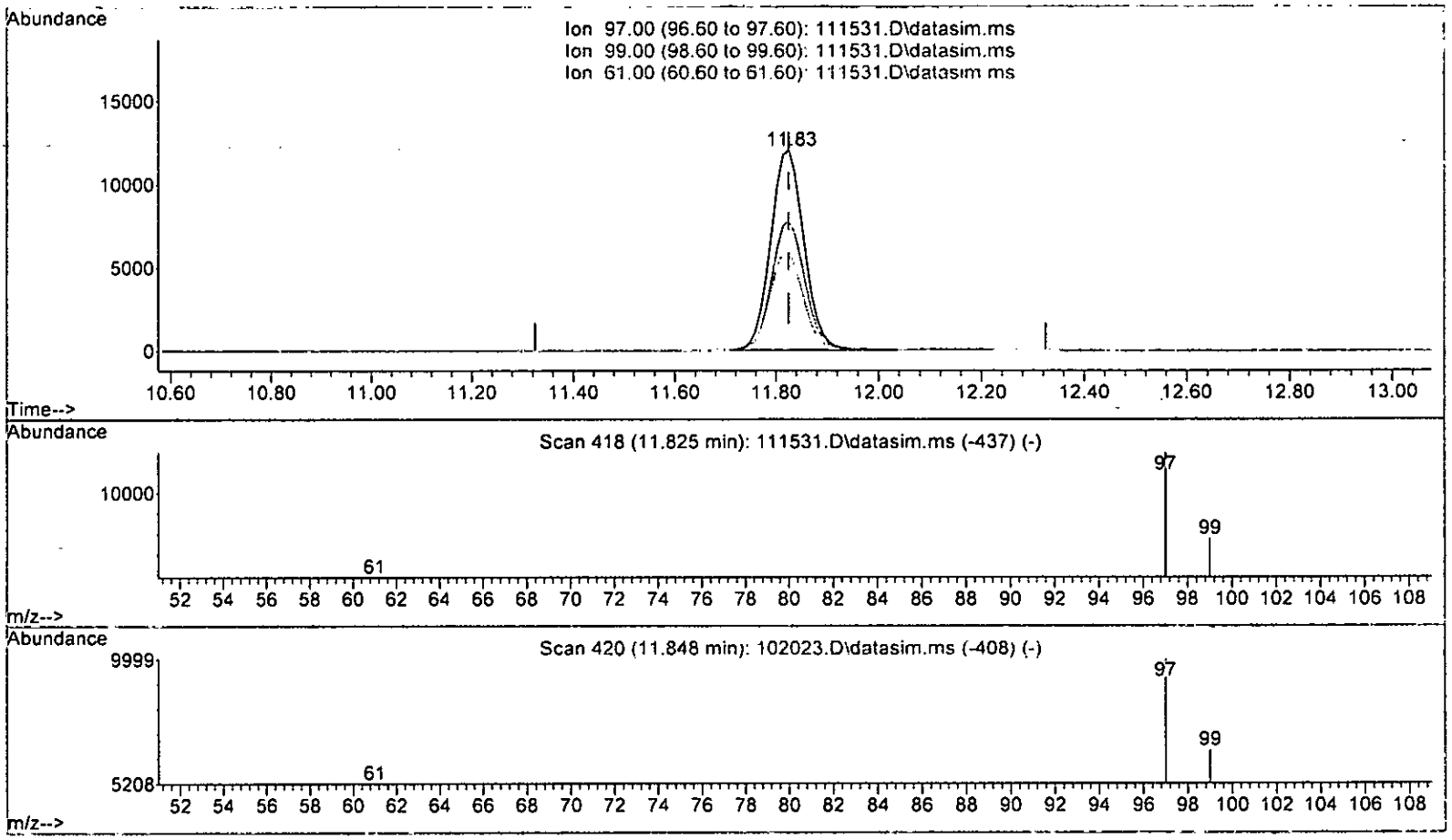
response 55745

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.90
61.00	49.30	49.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.635 ppbv m

response 54606

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.90
61.00	49.30	49.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	61975	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	285054	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	252304	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184349	10.543	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%				
Target Compounds							Qvalue
2) Propene	3.41	41	25209	3.082	ppbv		90
3) Dichlorodifluoromethane	3.49	85	69321	2.713	ppbv		98
4] Chloromethane	3.73	50	30819m	2.642	ppbv		
5) F-114	3.84	85	70686	2.705	ppbv		98
6] Vinyl chloride	4.09	62	29416	2.565	ppbv		98
7] 1,3-Butadiene	4.29	54	19220	2.550	ppbv	#	91
8) Butane	4.36	43	37260	2.754	ppbv		99
9) Bromomethane	4.60	94	30156	2.634	ppbv		92
10] Chloroethane	4.84	64	10966m	2.703	ppbv		
11] Vinyl bromide	5.32	106	26943m	2.701	ppbv		
12) Ethanol	4.96	45	8816	2.145	ppbv		94
13] Acrolein	5.41	56	10966m	2.428	ppbv		
14) Pentane	6.25	43	42830	2.809	ppbv		97
15) Trichlorofluoromethane	5.84	101	79079	2.669	ppbv		99
16) Acetone	5.57	58	11170	2.537	ppbv		93
17) 2-Propanol	5.80	45	51858	2.703	ppbv		93
18] 1,1-Dichloroethene	6.63	96	26078	2.557	ppbv		96
19] trans-1,2-Dichloroethene	8.10	96	25989	2.624	ppbv	#	73
20) Methylene chloride	6.80	84	26049	2.842	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	46241	2.797	ppbv	#	75
22) 3-Chloropropene	6.94	41	36089	2.832	ppbv		100
23) CFC-113	7.15	101	58356	2.714	ppbv		98
24) Carbon disulfide	7.28	76	88752	2.772	ppbv		94
25) Methyl t-butyl ether (...	8.43	73	59673	2.804	ppbv		99
26) Vinyl acetate	8.54	43	62089m	2.636	ppbv		
27] 1,1-Dichloroethane	8.36	63	55849	2.696	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	27622	2.637	ppbv		100
29) Hexane	10.01	57	35835	2.796	ppbv		97
30] Chloroform	10.08	83	66242	2.786	ppbv		95
31) Ethyl acetate	9.92	43	65034m	2.770	ppbv		
32) Tetrahydrofuran	10.75	42	30001	2.675	ppbv		97
33) 2-Butanone (MEK)	8.91	72	10955	2.856	ppbv		96
34] 1,2-Dichloroethane (EDC)	11.34	62	42782	2.697	ppbv		99
35] 1,1,1-Trichloroethane	11.83	97	54606m	2.635	ppbv		
36] Carbon tetrachloride	12.86	117	36374	1.666	ppbv		97
37] Benzene	12.61	78	88298	2.727	ppbv		95
38) Cyclohexane	13.07	84	22831	2.695	ppbv		93
40] 1,2-Dichloropropane	13.80	63	40956	2.654	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

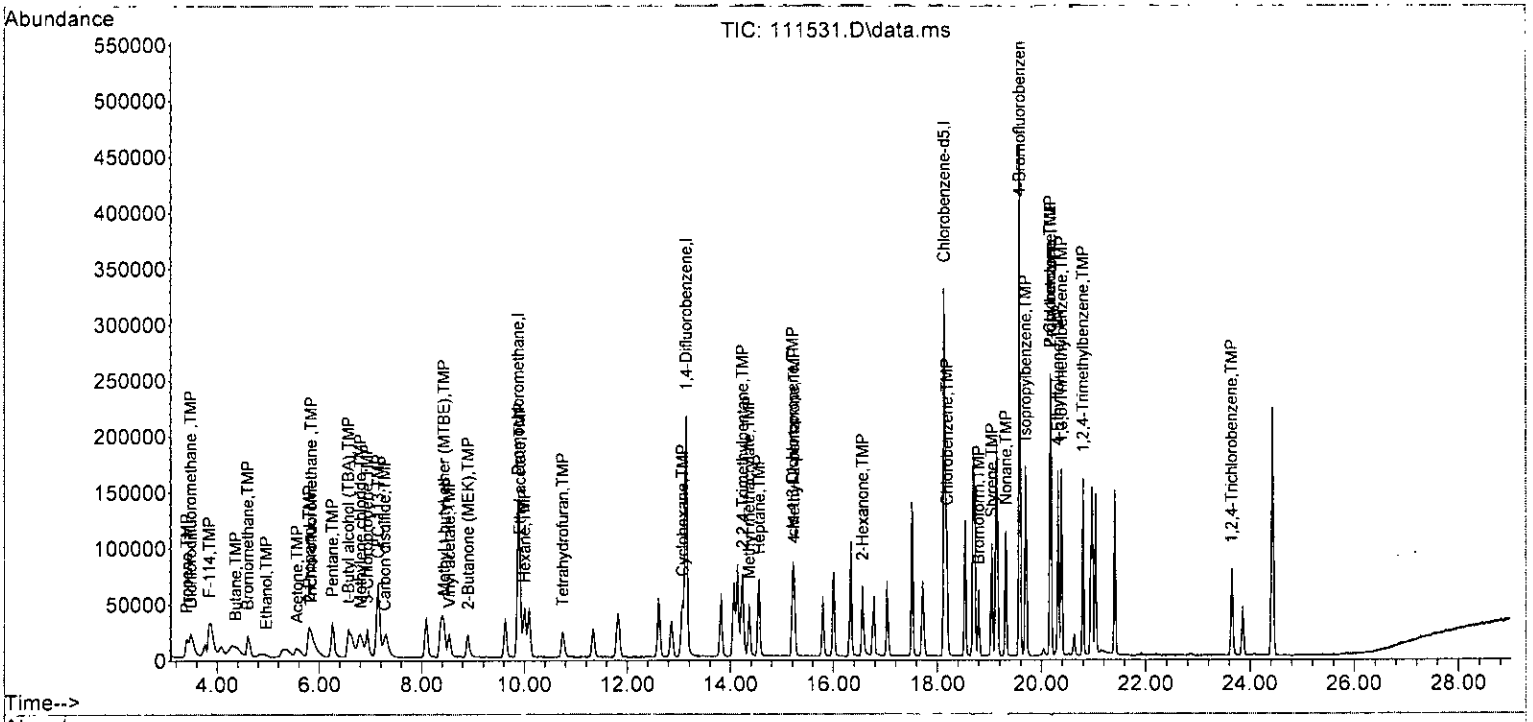
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	17518	2.669	ppbv		78
42) 2,2,4-Trimethylpentane	14.24	57	122609	2.691	ppbv		93
43) Methyl methacrylate	14.36	41	36708	2.654	ppbv		96
44) Heptane	14.56	43	51797	2.739	ppbv		98
45] Bromodichloromethane	14.04	83	59200	2.445	ppbv		100
46] Trichloroethene	14.14	95	43413	2.568	ppbv		94
47) cis-1,3-Dichloropropene	15.20	75	44702	2.619	ppbv		92
48) 4-Methyl-2-pentanone	15.23	100	3391	2.688	ppbv	#	96
49] trans-1,3-Dichloropropene	15.78	75	42262	2.633	ppbv		82
50] Toluene	16.31	92	55036	2.731	ppbv		97
51] 1,1,2-Trichloroethane	16.00	83	40225	2.741	ppbv		93
52) 2-Hexanone	16.56	43	65975	2.735	ppbv		93
53] Tetrachloroethene	17.52	164	37752	2.704	ppbv		91
54] Dibromochloromethane	16.76	129	43793	1.785	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	58426	2.699	ppbv		97
57) Chlorobenzene	18.19	112	75900	2.733	ppbv		97
58] Ethylbenzene	18.53	91	123621	2.743	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	90916	2.716	ppbv		92
60) Nonane	19.32	43	68538	2.770	ppbv		99
61) Isopropylbenzene	19.70	105	128989	2.853	ppbv		98
62) 2-Chlorotoluene	20.17	126	31705	2.805	ppbv		91
63) Propylbenzene	20.17	91	245974	2.962	ppbv		98
64) 4-Ethyltoluene	20.32	105	112314	2.763	ppbv		99
65] m,p-Xylene	18.70	106	88802	5.558	ppbv		96
66] o-Xylene	19.15	106	43533	2.806	ppbv		99
67) Styrene	19.05	104	59060	2.858	ppbv		96
68) Bromoform	18.80	173	33565	1.294	ppbv		99
70] Benzyl chloride	20.95	91	69517	2.385	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	108574	2.968	ppbv		98
72) 1,2,4-Trimethylbenzene	20.80	105	92552	2.713	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	73799	2.891	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	68285	2.858	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	73948	2.861	ppbv		95
76) 1,2,4-Trichlorobenzene	23.64	180	39701	2.480	ppbv		98
77] Naphthalene	23.84	128	54269	2.569	ppbv		98
78] Hexachlorobutadiene	24.44	225	70740	2.684	ppbv		100

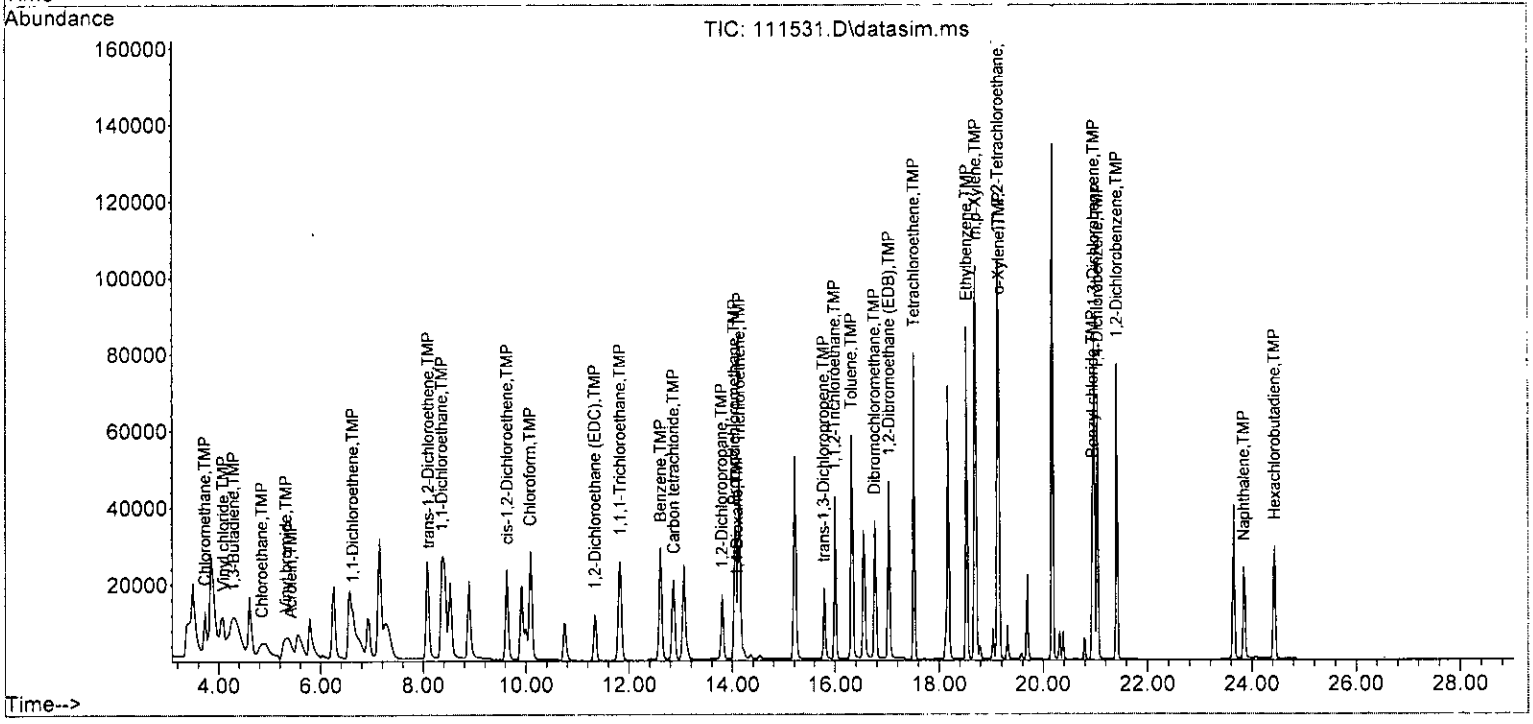
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	103	0.00
2	TMP	Propene	2.500	3.082	-23.3	118	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.713	-8.5	107	0.00
4	TMP	Chloromethane	2.500	2.642	-5.7	108	0.00
5	TMP	F-114	2.500	2.705	-8.2	112	-0.04
6	TMP	Vinyl chloride	2.500	2.565	-2.6	107	0.00
7	TMP	1,3-Butadiene	2.500	2.550	-2.0	108	0.00
8	TMP	Butane	2.500	2.754	-10.2	108	0.04
9	TMP	Bromomethane	2.500	2.634	-5.4	108	0.00
10	TMP	Chloroethane	2.500	2.703	-8.1	105	0.00
11	TMP	Vinyl bromide	2.500	2.701	-8.0	106	0.00
12	TMP	Ethanol	2.500	2.145	14.2	82	0.00
13	TMP	Acrolein	2.500	2.428	2.9	111	0.00
14	TMP	Pentane	2.500	2.809	-12.4	108	0.00
15	TMP	Trichlorofluoromethane	2.500	2.669	-6.8	102	0.00
16	TMP	Acetone	2.500	2.537	-1.5	95	0.00
17	TMP	2-Propanol	2.500	2.703	-8.1	107	0.02
18	TMP	1,1-Dichloroethene	2.500	2.557	-2.3	107	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.624	-5.0	107	0.00
20	TMP	Methylene chloride	2.500	2.842	-13.7	106	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.797	-11.9	117	0.00
22	TMP	3-Chloropropene	2.500	2.832	-13.3	115	0.00
23	TMP	CFC-113	2.500	2.714	-8.6	104	0.00
24	TMP	Carbon disulfide	2.500	2.772	-10.9	101	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.804	-12.2	108	0.00
26	TMP	Vinyl acetate	2.500	2.636	-5.4	101	0.00
27	TMP	1,1-Dichloroethane	2.500	2.696	-7.8	106	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.637	-5.5	108	0.00
29	TMP	Hexane	2.500	2.796	-11.8	113	0.00
30	TMP	Chloroform	2.500	2.786	-11.4	108	-0.02
31	TMP	Ethyl acetate	2.500	2.770	-10.8	112	0.00
32	TMP	Tetrahydrofuran	2.500	2.675	-7.0	112	0.00
33	TMP	2-Butanone (MEK)	2.500	2.856	-14.2	109	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.697	-7.9	106	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.635	-5.4	99	0.00
36	TMP	Carbon tetrachloride	2.500	1.666	33.4#	64	0.00
37	TMP	Benzene	2.500	2.727	-9.1	107	0.00
38	TMP	Cyclohexane	2.500	2.695	-7.8	105	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	103	0.00
40	TMP	1,2-Dichloropropane	2.500	2.654	-6.2	107	0.00
41	TMP	1,4-Dioxane	2.500	2.669	-6.8	114	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.691	-7.6	106	0.00
43	TMP	Methyl methacrylate	2.500	2.654	-6.2	101	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.739	-9.6	108	0.00
45	TMP	Bromodichloromethane	2.500	2.445	2.2	93	0.00
46	TMP	Trichloroethene	2.500	2.568	-2.7	108	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.619	-4.8	98	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.688	-7.5	107	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.633	-5.3	101	0.00
50	TMP	Toluene	2.500	2.731	-9.2	108	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.741	-9.6	106	0.00
52	TMP	2-Hexanone	2.500	2.735	-9.4	110	0.00
53	TMP	Tetrachloroethene	2.500	2.704	-8.2	106	0.00
54	TMP	Dibromochloromethane	2.500	1.785	28.6	69	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.699	-8.0	105	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	104	0.00
57	TMP	Chlorobenzene	2.500	2.733	-9.3	109	0.00
58	TMP	Ethylbenzene	2.500	2.743	-9.7	108	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.716	-8.6	105	0.00
60	TMP	Nonane	2.500	2.770	-10.8	107	0.02
61	TMP	Isopropylbenzene	2.500	2.853	-14.1	106	0.00
62	TMP	2-Chlorotoluene	2.500	2.805	-12.2	106	0.00
63	TMP	Propylbenzene	2.500	2.962	-18.5	109	-0.01
64	TMP	4-Ethyltoluene	2.500	2.763	-10.5	110	0.00
65	TMP	m,p-Xylene	5.000	5.558	-11.2	109	0.00
66	TMP	o-Xylene	2.500	2.806	-12.2	108	0.00
67	TMP	Styrene	2.500	2.858	-14.3	113	0.00
68	TMP	Bromoform	2.500	1.294	48.2#	50	0.00
69	S	4-Bromofluorobenzene	10.000	10.543	-5.4	102	0.00
70	TMP	Benzyl chloride	2.500	2.385	4.6	93	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.968	-18.7	108	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.713	-8.5	112	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.891	-15.6	110	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.858	-14.3	111	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.861	-14.4	109	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.480	0.8	120	0.00
77	TMP	Naphthalene	2.500	2.569	-2.8	124	0.00
78	TMP	Hexachlorobutadiene	2.500	2.684	-7.4	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	103	0.00
2	TMP	Propene	1.556	1.627	-4.6	118	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.474	-8.5	107	0.00
4	TMP	Chloromethane	1.882	1.989	-5.7	108	0.00
5	TMP	F-114	4.217	4.562	-8.2	112	-0.04
6	TMP	Vinyl chloride	1.851	1.899	-2.6	107	0.00
7	TMP	1,3-Butadiene	1.216	1.241	-2.1	108	0.00
8	TMP	Butane	2.183	2.405	-10.2	108	0.04
9	TMP	Bromomethane	1.847	1.946	-5.4	108	0.00
10	TMP	Chloroethane	0.655	0.708	-8.1	105	0.00
11	TMP	Vinyl bromide	1.609	1.739	-8.1	106	0.00
12	TMP	Ethanol	0.663	0.569	14.2	82	0.00
13	TMP	Acrolein	0.729	0.708	2.9	111	0.00
14	TMP	Pentane	2.461	2.764	-12.3	108	0.00
15	TMP	Trichlorofluoromethane	4.781	5.104	-6.8	102	0.00
16	TMP	Acetone	0.710	0.721	-1.5	95	0.00
17	TMP	2-Propanol	3.096	3.347	-8.1	107	0.02
18	TMP	1,1-Dichloroethene	1.645	1.683	-2.3	107	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.677	-4.9	107	0.00
20	TMP	Methylene chloride	1.479	1.681	-13.7	106	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.984	-11.8	117	0.00
22	TMP	3-Chloropropene	2.056	2.329	-13.3	115	0.00
23	TMP	CFC-113	3.469	3.766	-8.6	104	0.00
24	TMP	Carbon disulfide	5.167	5.728	-10.9	101	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.851	-12.1	108	0.00
26	TMP	Vinyl acetate	3.801	4.007	-5.4	101	0.00
27	TMP	1,1-Dichloroethane	3.342	3.605	-7.9	106	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.783	-5.5	108	0.00
29	TMP	Hexane	2.068	2.313	-11.8	113	0.00
30	TMP	Chloroform	4.060	4.275	-5.3	108	-0.02
31	TMP	Ethyl acetate	3.789	4.197	-10.8	112	0.00
32	TMP	Tetrahydrofuran	1.809	1.936	-7.0	112	0.00
33	TMP	2-Butanone (MEK)	0.619	0.707	-14.2	109	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.761	-2.8	106	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.524	-5.4	99	0.00
36	TMP	Carbon tetrachloride	3.523	2.348	33.4#	64	0.00
37	TMP	Benzene	5.688	5.699	-0.2	107	0.00
38	TMP	Cyclohexane	1.367	1.474	-7.8	105	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
40	TMP	1,2-Dichloropropane	0.541	0.575	-6.3	107	0.00
41	TMP	1,4-Dioxane	0.230	0.246	-7.0	114	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.721	-7.7	106	0.00
43	TMP	Methyl methacrylate	0.485	0.515	-6.2	101	0.00

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.727	-9.7	108	0.00
45	TMP	Bromodichloromethane	0.850	0.831	2.2	93	0.00
46	TMP	Trichloroethene	0.593	0.609	-2.7	108	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.627	-4.7	98	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.048	-9.1	107	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.593	-5.3	101	0.00
50	TMP	Toluene	0.707	0.772	-9.2	108	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.564	-2.5	106	0.00
52	TMP	2-Hexanone	0.846	0.926	-9.5	110	0.00
53	TMP	Tetrachloroethene	0.490	0.530	-8.2	106	0.00
54	TMP	Dibromochloromethane	0.861	0.615	28.6	69	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.820	0.5	105	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
57	TMP	Chlorobenzene	1.101	1.203	-9.3	109	0.00
58	TMP	Ethylbenzene	1.968	1.960	0.4	108	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.441	-3.4	105	0.00
60	TMP	Nonane	0.981	1.087	-10.8	107	0.02
61	TMP	Isopropylbenzene	1.792	2.045	-14.1	106	0.00
62	TMP	2-Chlorotoluene	0.448	0.503	-12.3	106	0.00
63	TMP	Propylbenzene	3.292	3.900	-18.5	109	-0.01
64	TMP	4-Ethyltoluene	1.611	1.781	-10.6	110	0.00
65	TMP	m,p-Xylene	0.633	0.704	-11.2	109	0.00
66	TMP	o-Xylene	0.615	0.690	-12.2	108	0.00
67	TMP	Styrene	0.819	0.936	-14.3	113	0.00
68	TMP	Bromoform	1.028	0.532	48.2#	50#	0.00
69	S	4-Bromofluorobenzene	0.693	0.731	-5.5	102	0.00
70	TMP	Benzyl chloride	0.987	1.102	-11.7	93	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.721	-18.7	108	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.467	-17.6	112	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.170	-15.6	110	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.083	-14.4	111	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.172	-14.5	109	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.629	-0.5	120	0.00
77	TMP	Naphthalene	1.132	0.860	24.0	124	0.00
78	TMP	Hexachlorobutadiene	1.045	1.122	-7.4	109	0.00

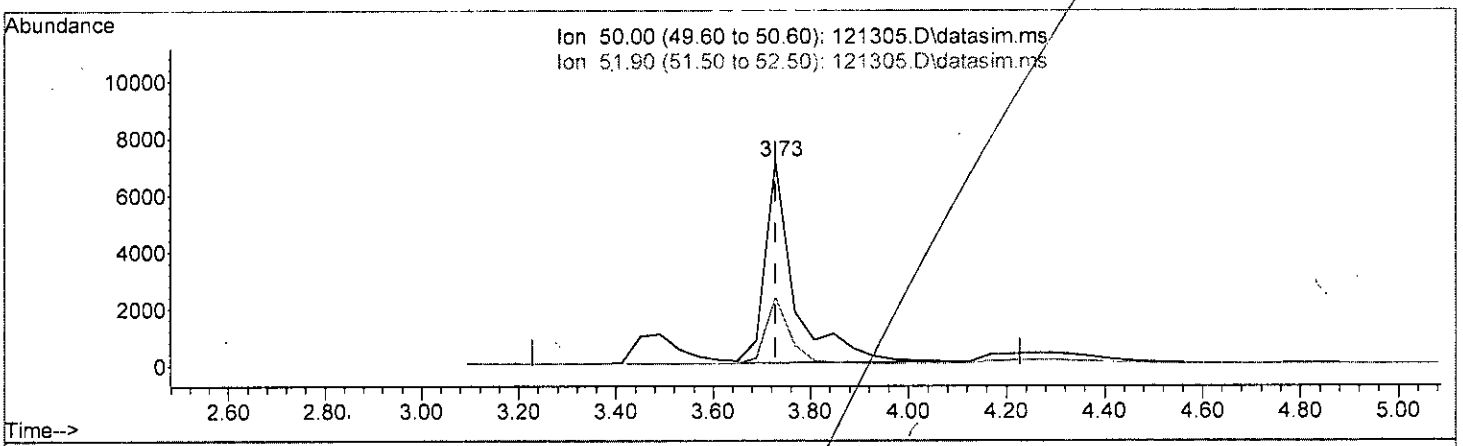
(#) = Out of Range SPCC's out = 0 CCC's out = 0

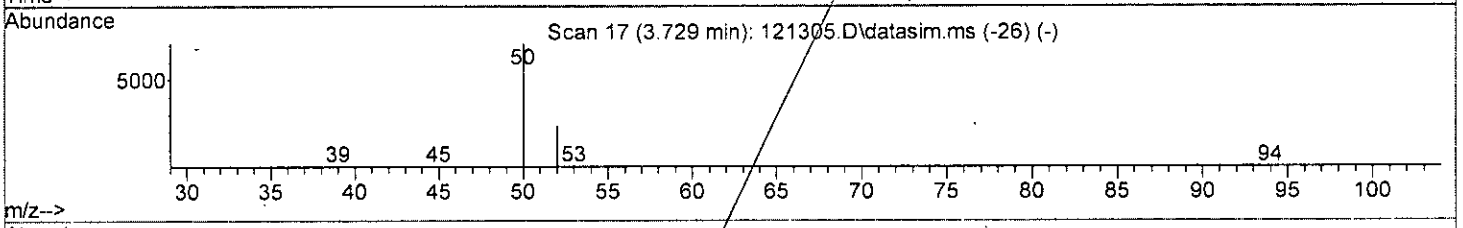
EPA TO-15
CCV Summaries

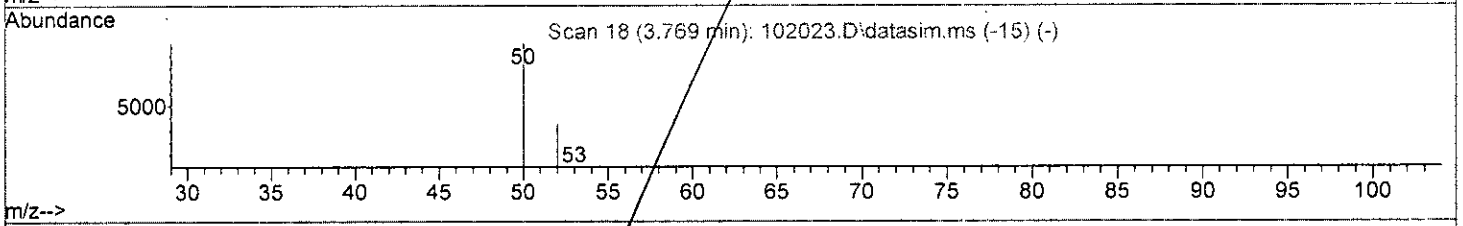
Quantitation Report (Qedit)

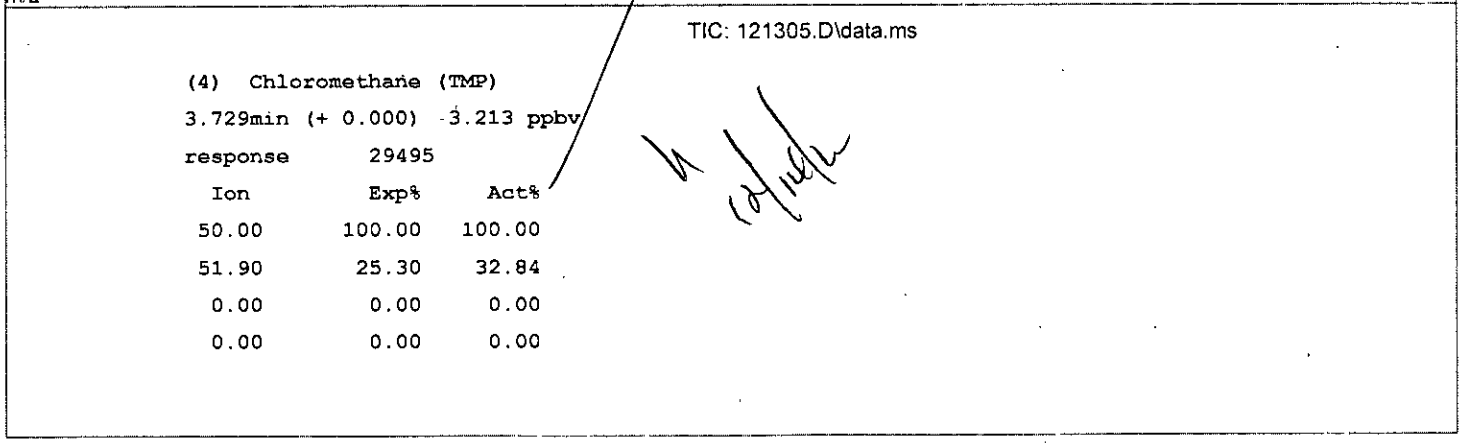
Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M









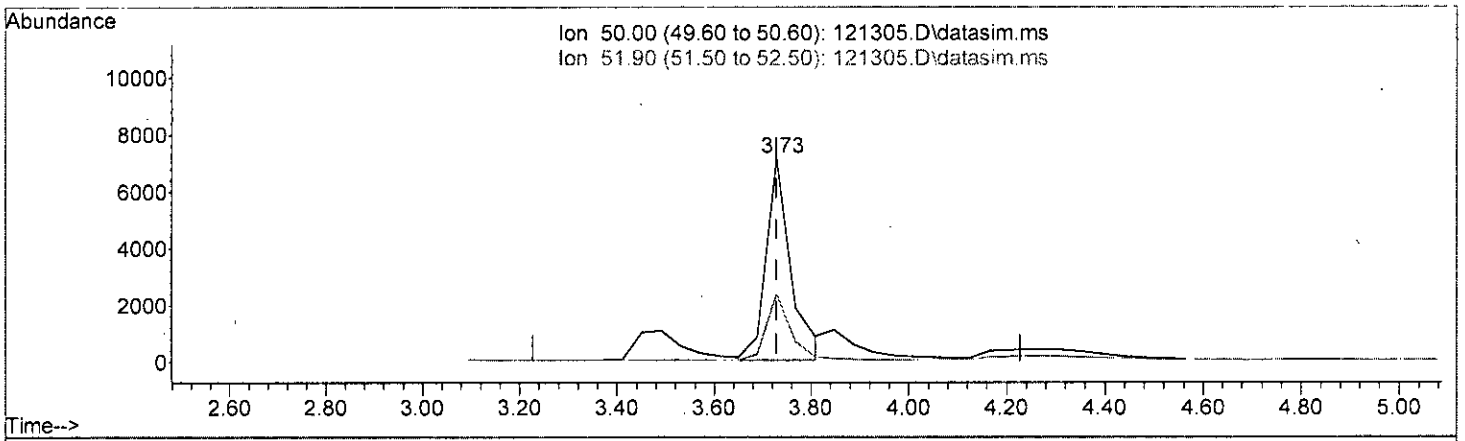
(4) Chloromethane (TMP)
3.729min (+ 0.000) 3.213 ppbv
response 29495

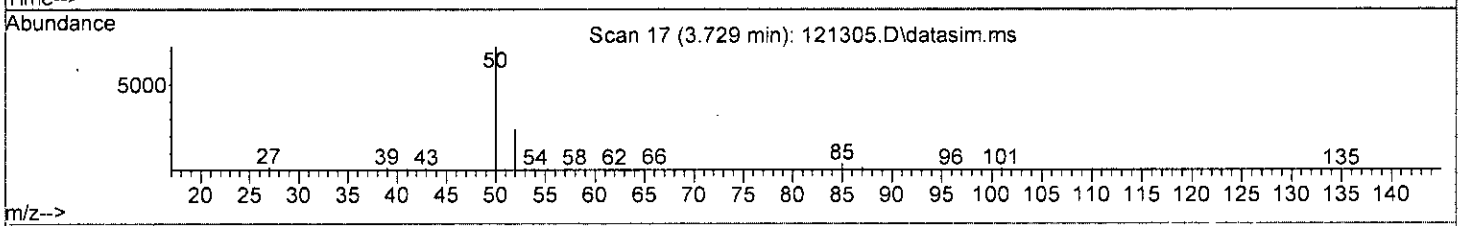
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.84
0.00	0.00	0.00
0.00	0.00	0.00

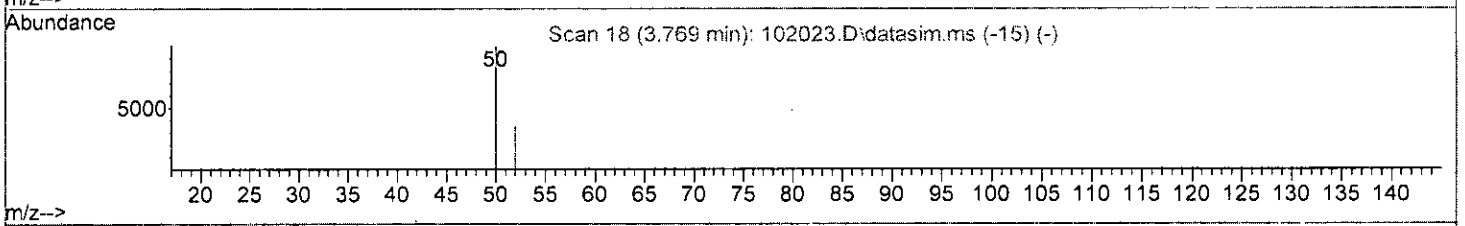
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.749 ppbv m

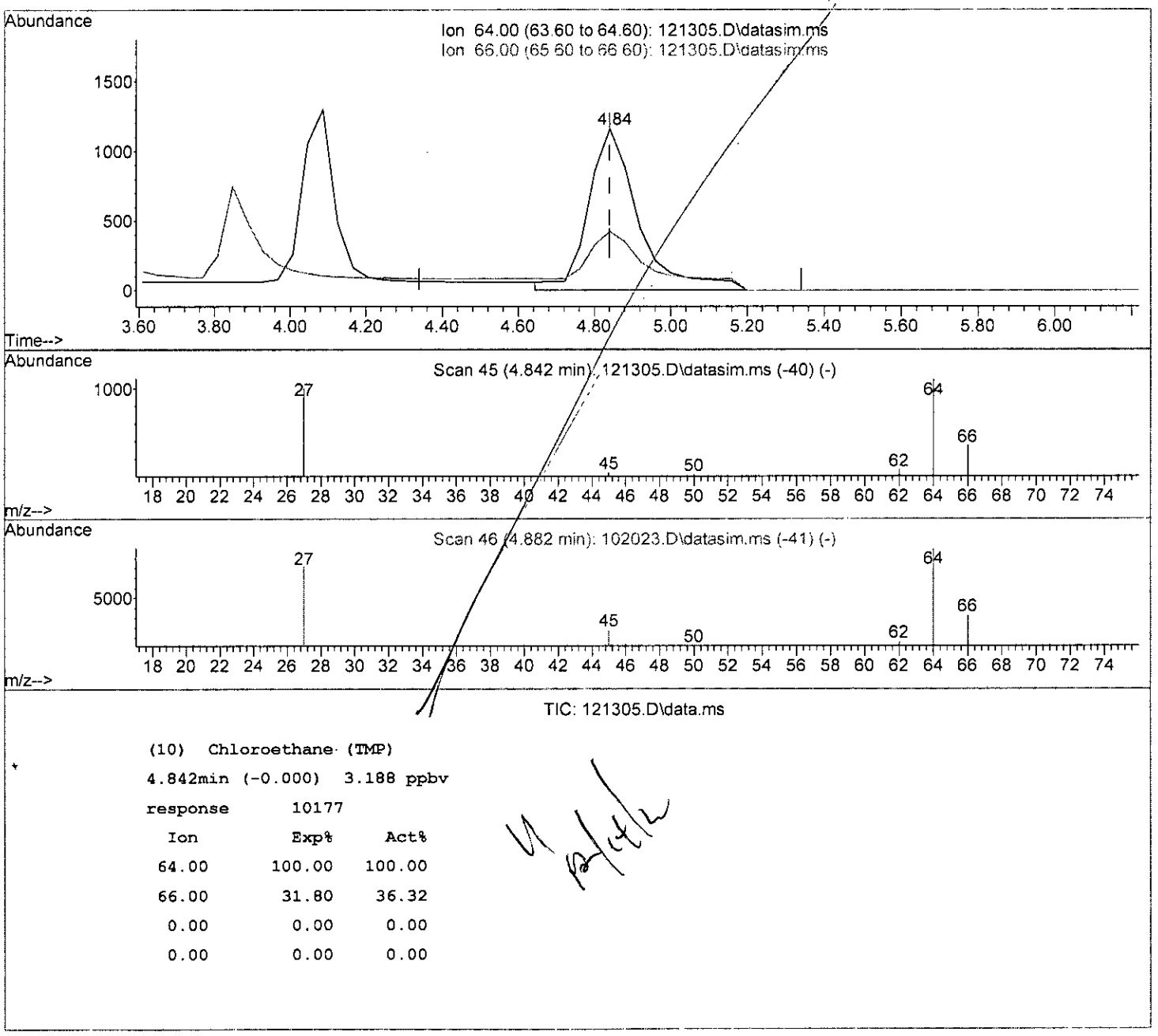
response 25235

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121305.D\data.ms

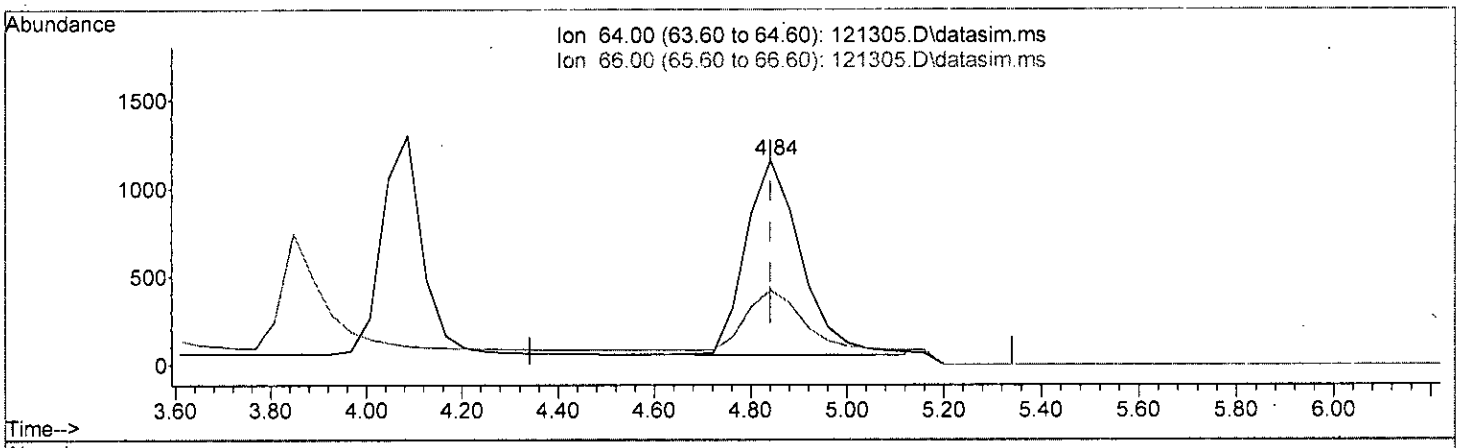
(10) Chloroethane (TMP)
4.842min (-0.000) 3.188 ppbv
response 10177

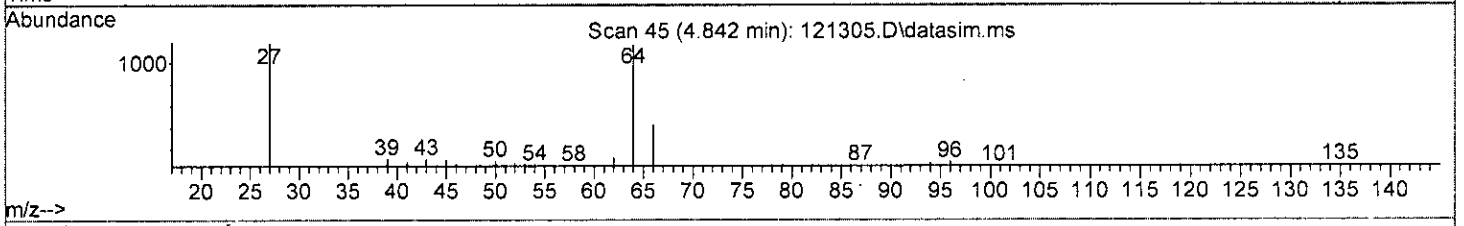
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.32
0.00	0.00	0.00
0.00	0.00	0.00

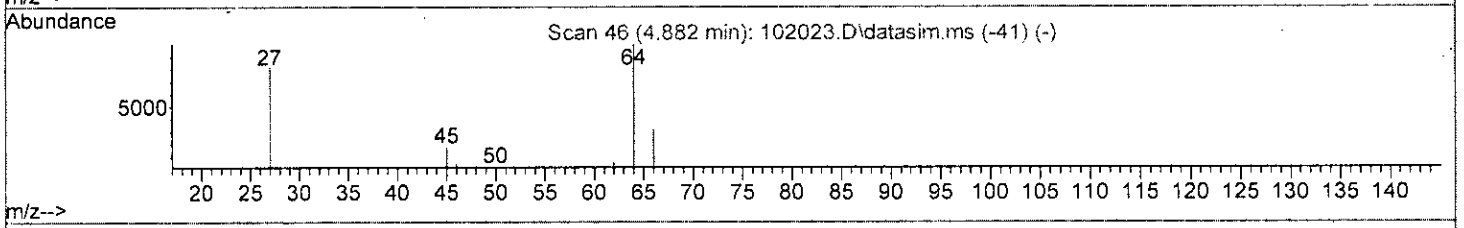
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(10) Chloroethane (TMP)
4.842min (-0.000) 2.756 ppbv m
response 8796

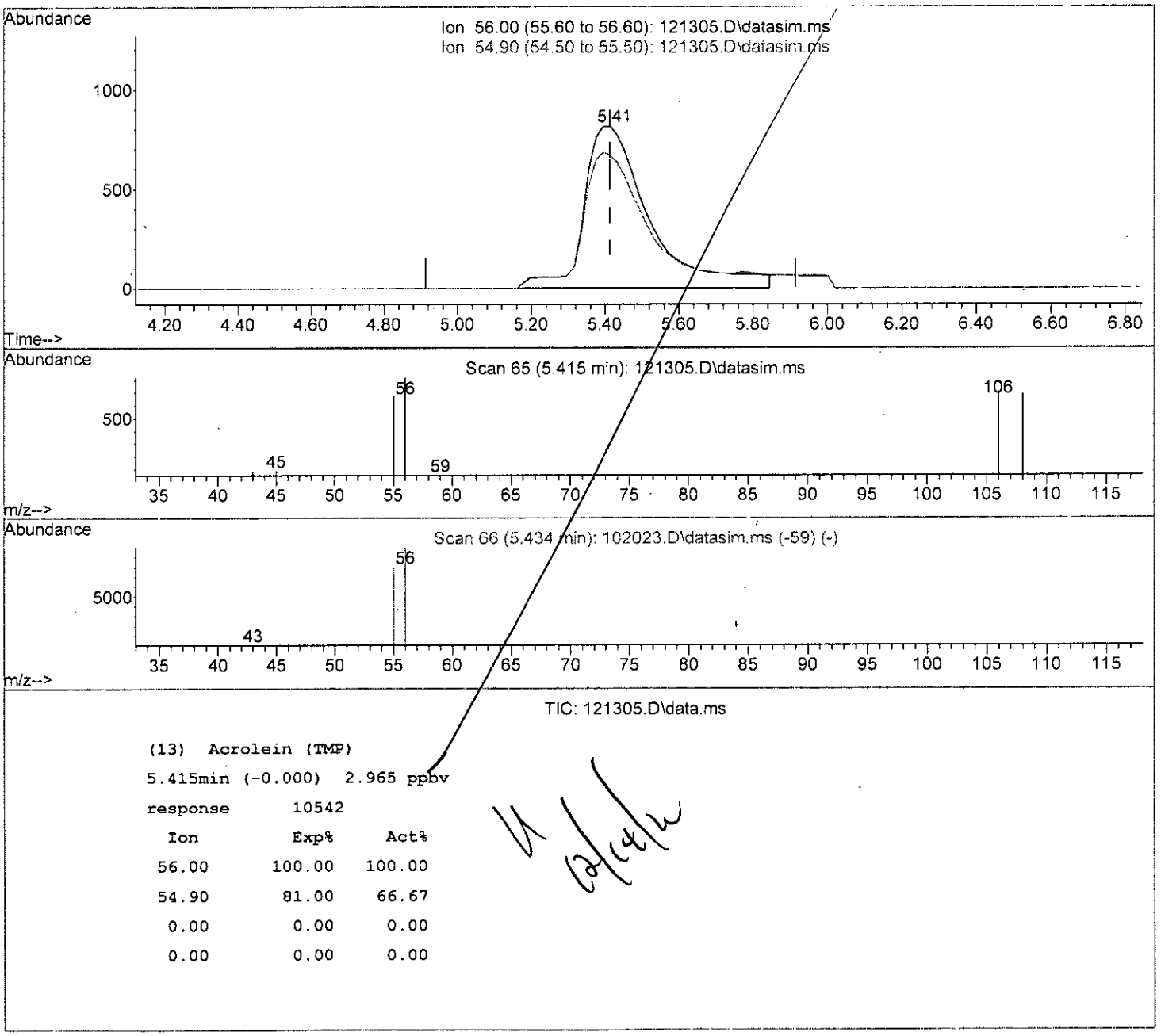
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.32
0.00	0.00	0.00
0.00	0.00	0.00

12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121305.D\data.ms

(13) Acrolein (TMP)
5.415min (-0.000) 2.965 ppbv
response 10542

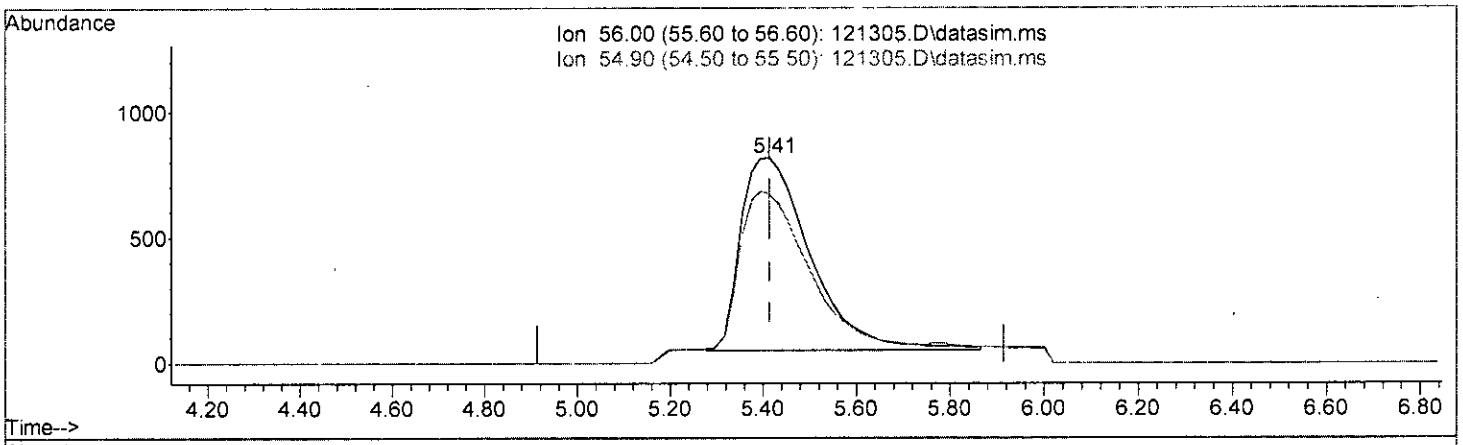
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	66.67
0.00	0.00	0.00
0.00	0.00	0.00

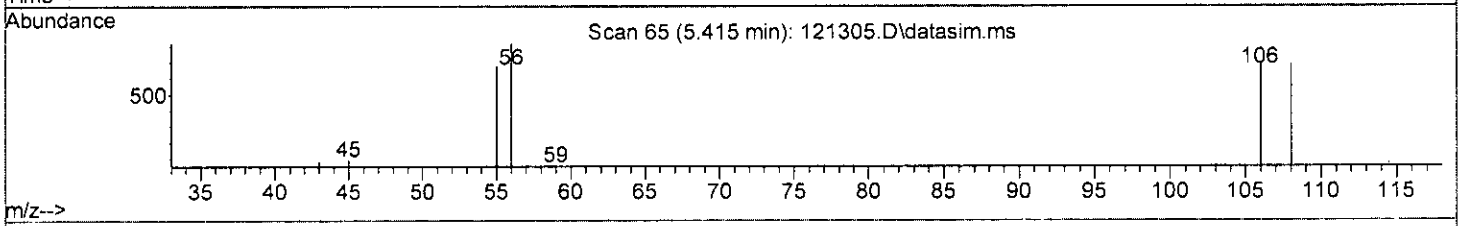
12/14/22

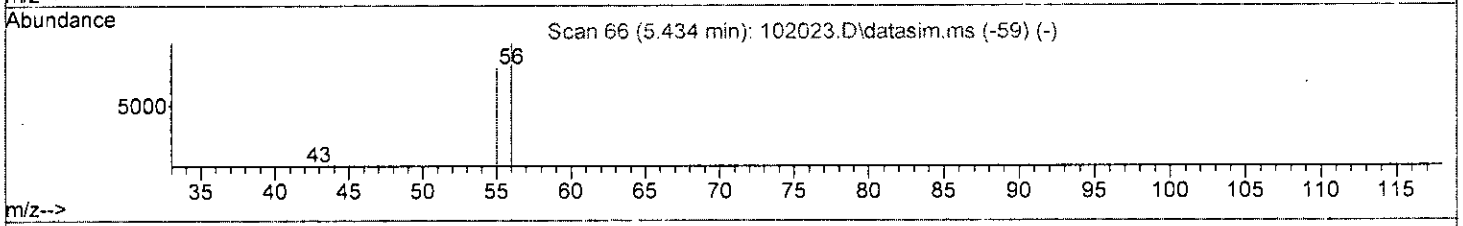
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.248 ppbv m

response 7993

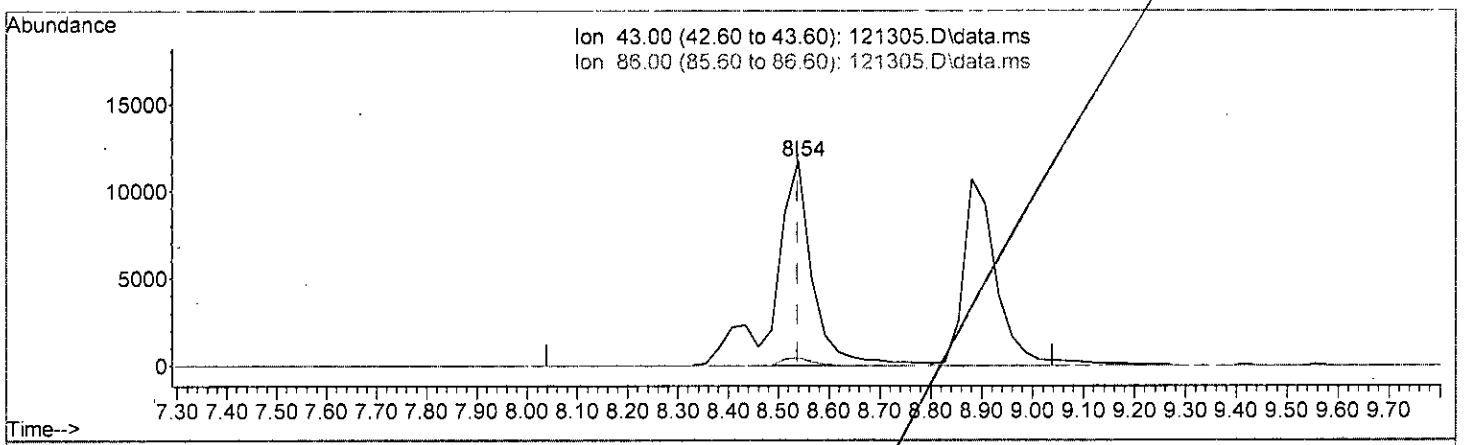
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	87.93
0.00	0.00	0.00
0.00	0.00	0.00

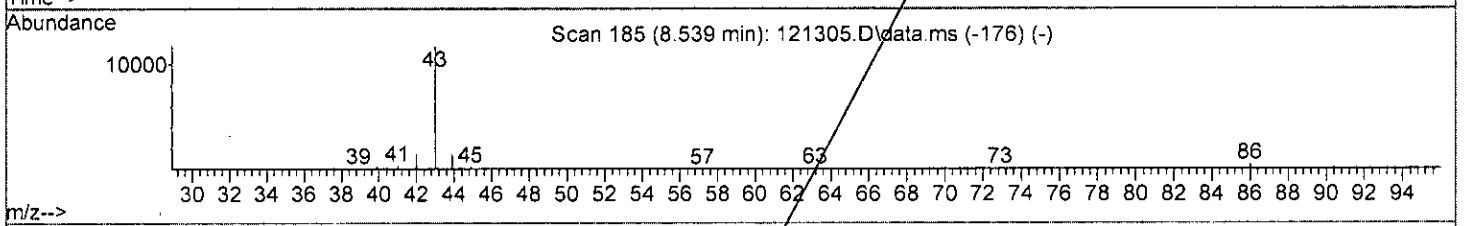
12/14/22

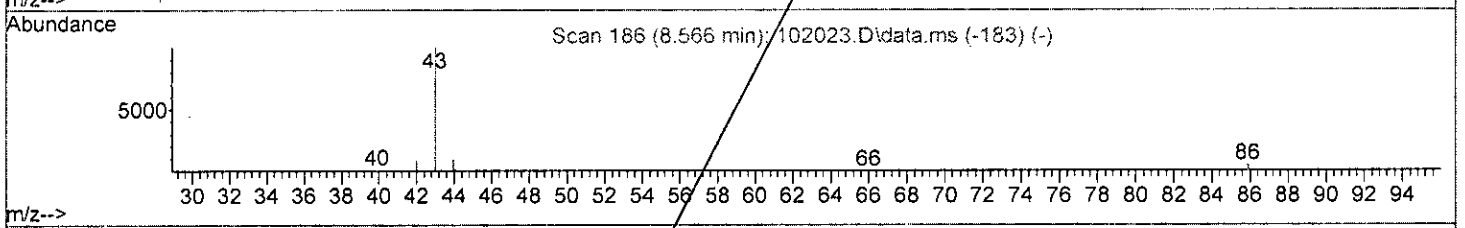
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

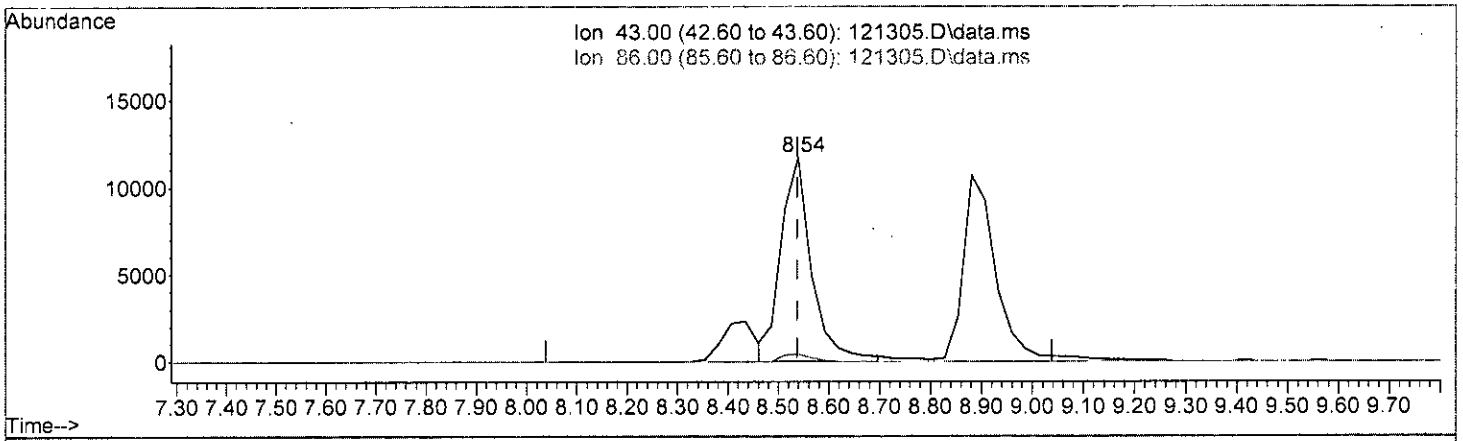
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.255 ppbv
response 60334

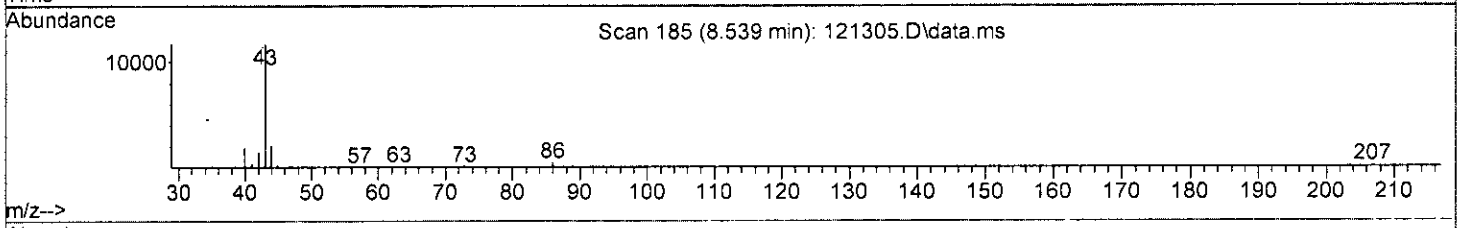
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	3.67
0.00	0.00	0.00
0.00	0.00	0.00

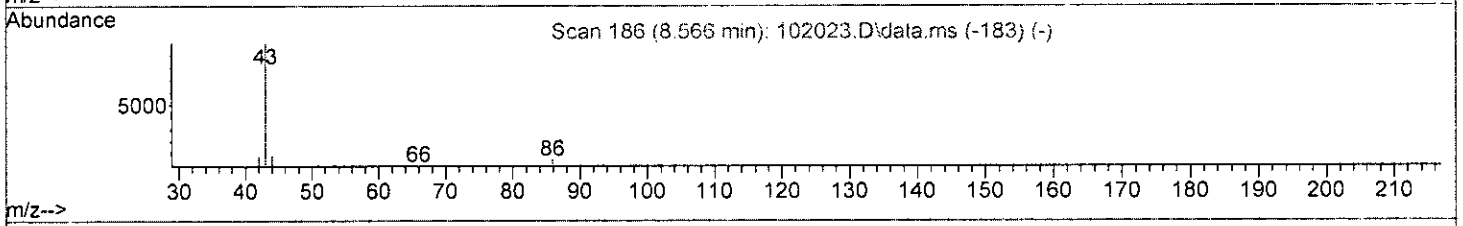
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.637 ppbv m
response 48882

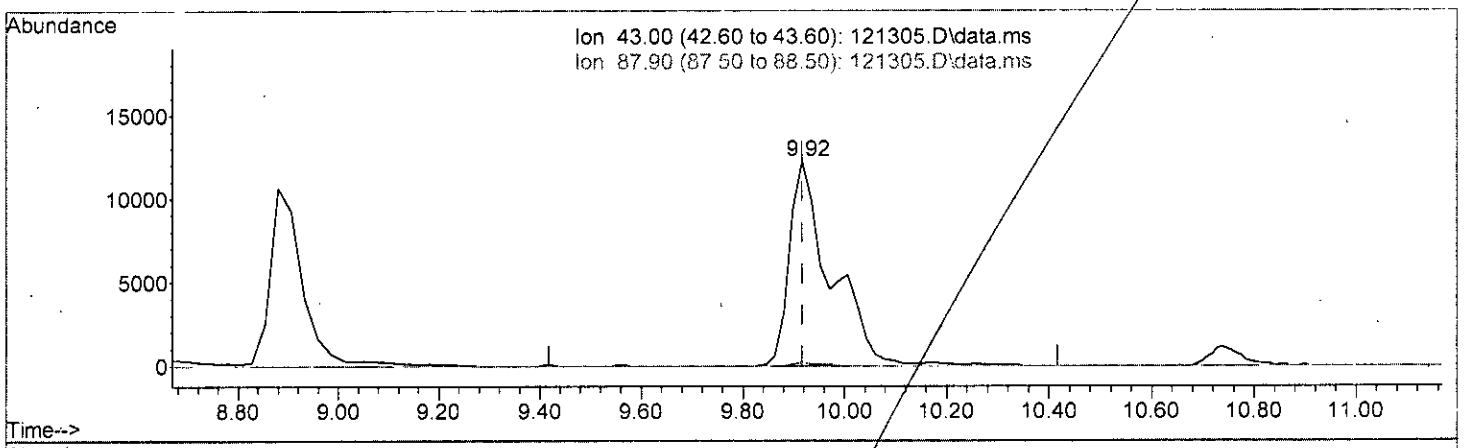
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	3.67
0.00	0.00	0.00
0.00	0.00	0.00

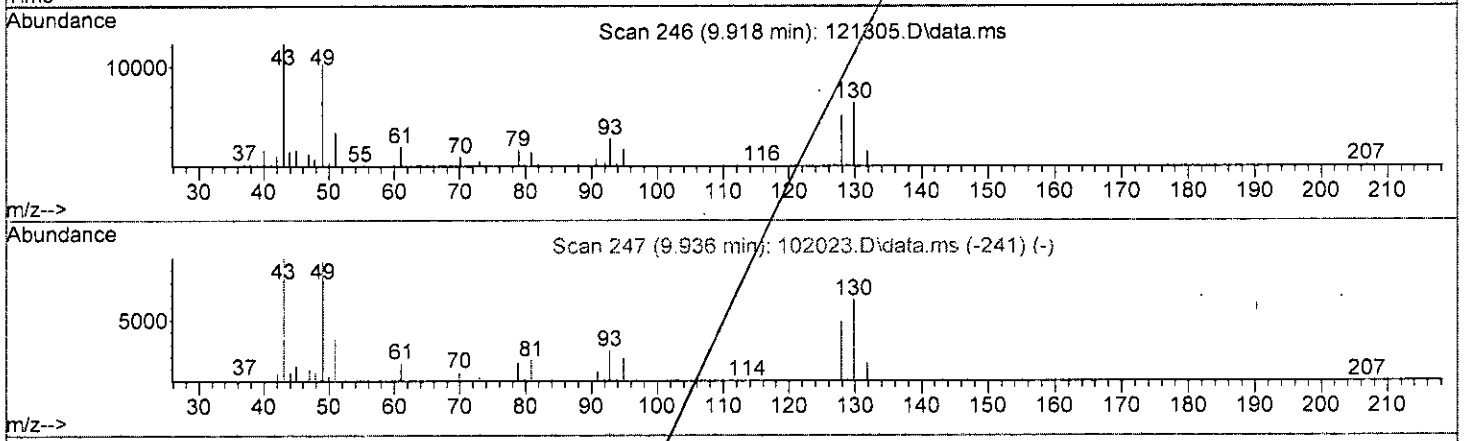
12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

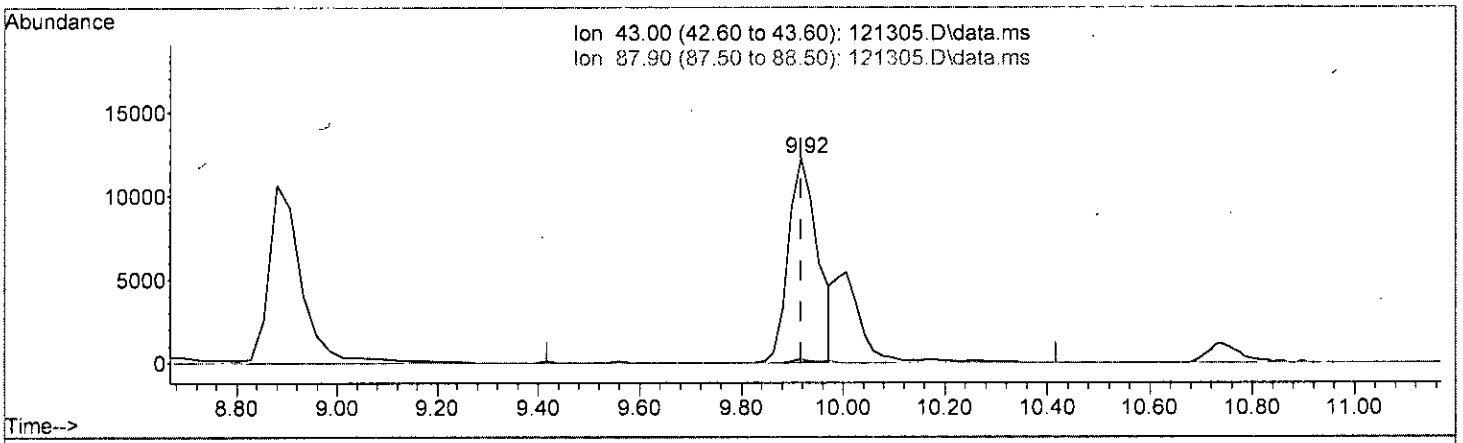
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.680 ppbv
response 67989

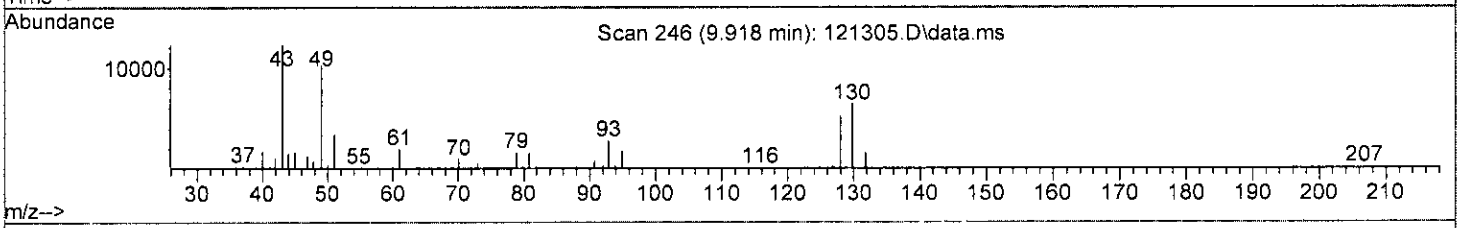
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.95#
0.00	0.00	0.00
0.00	0.00	0.00

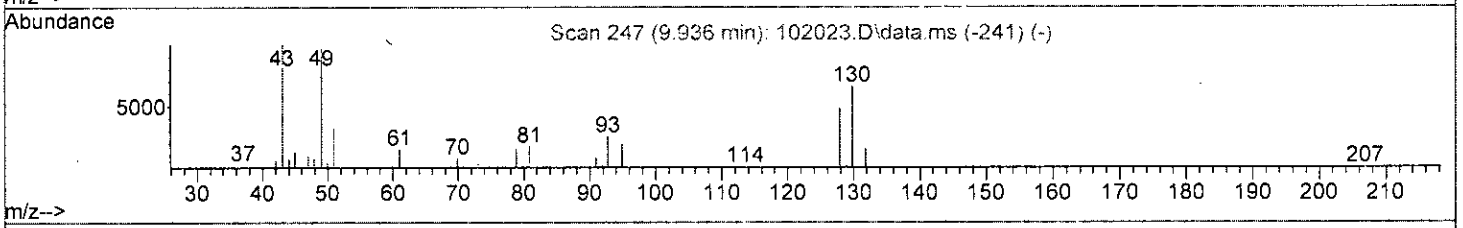
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(31) Ethyl acetate (TMP)
9.918min (-0.000) 2.660 ppbv m
response 49154

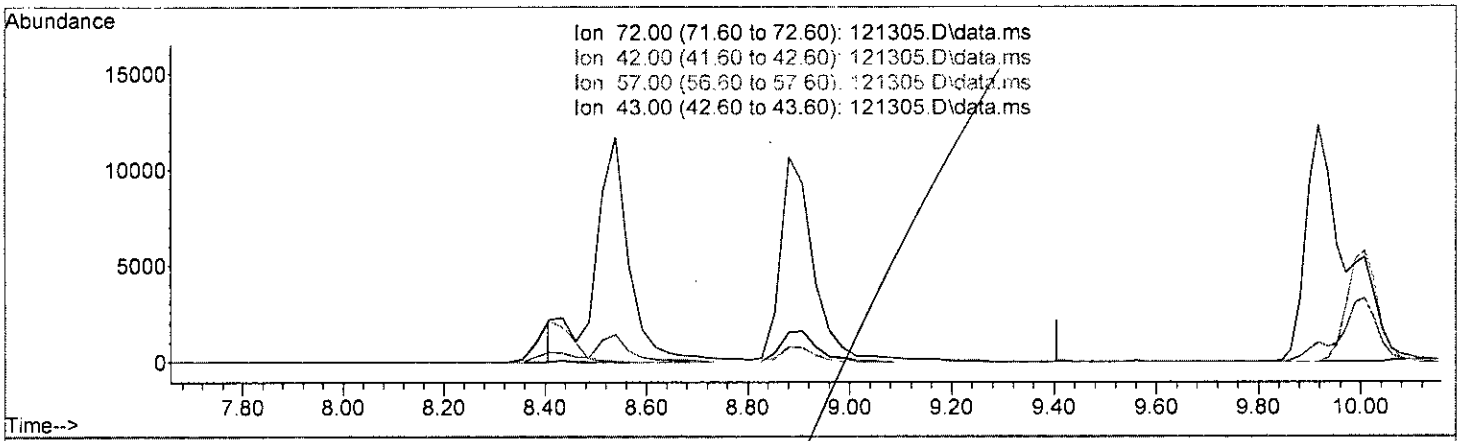
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.32#
0.00	0.00	0.00
0.00	0.00	0.00

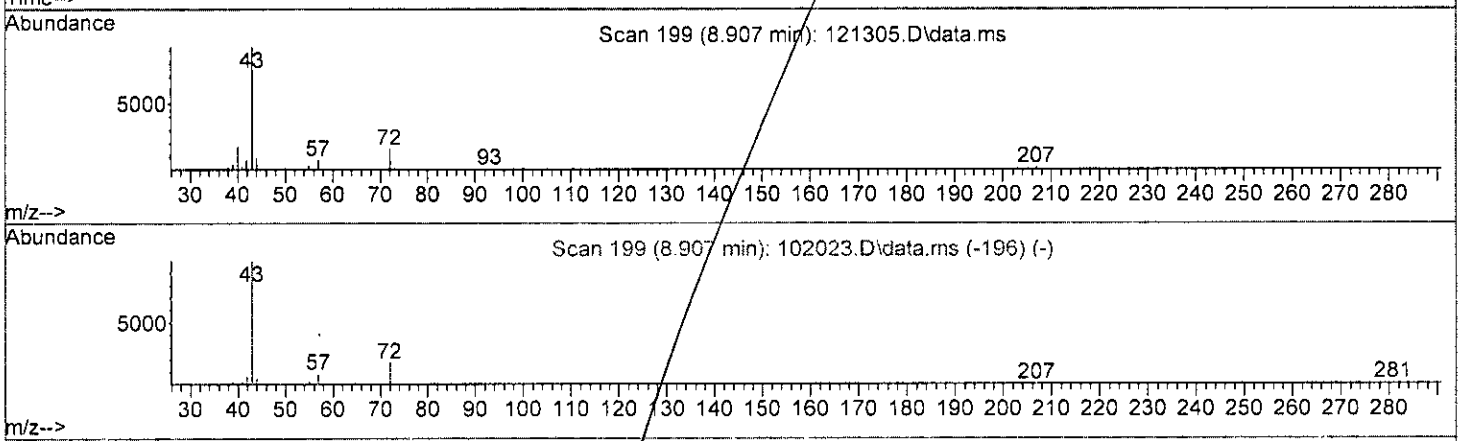
12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

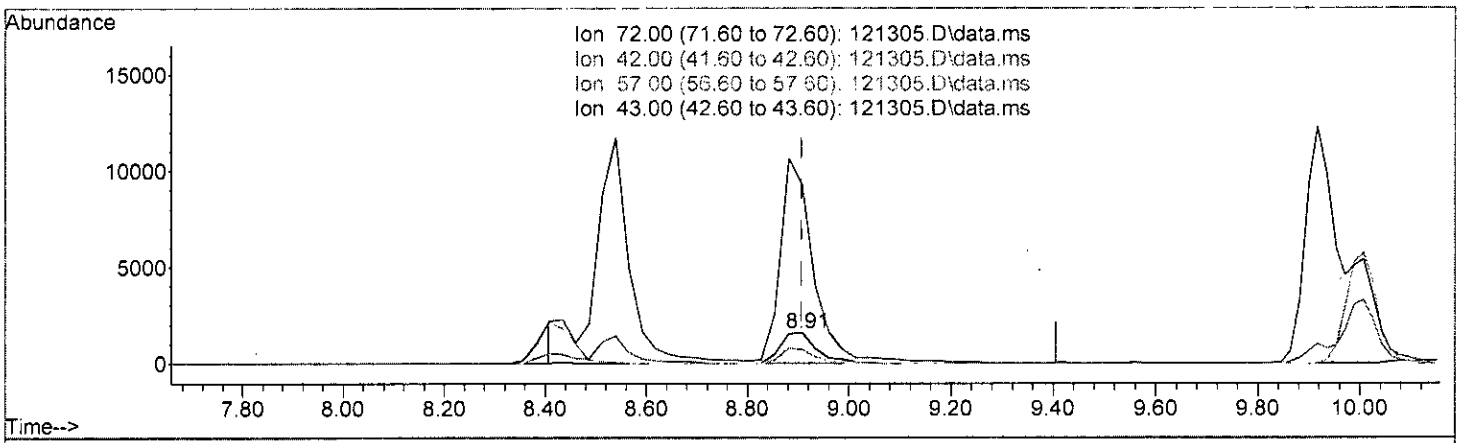
(33) 2-Butanone (MEK) (TMP)
8.907min 0.000 ppbv d
response 0

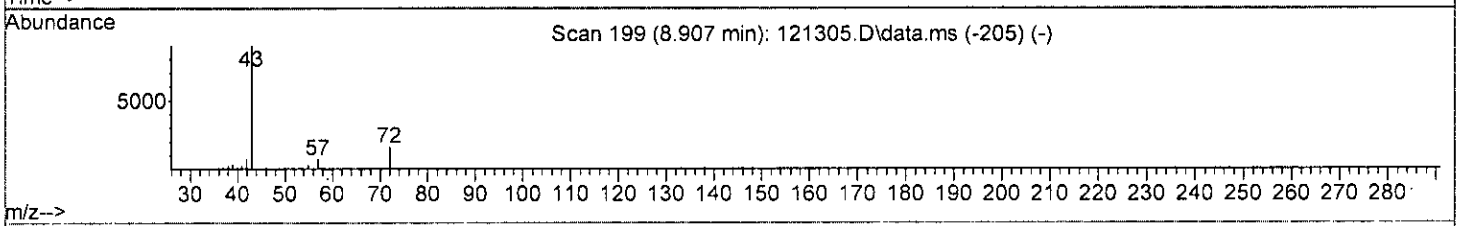
Ion	Exp%	Act%
72.00	100.00	0.00
42.00	29.90	0.00
57.00	44.20	0.00
43.00	521.60	0.00

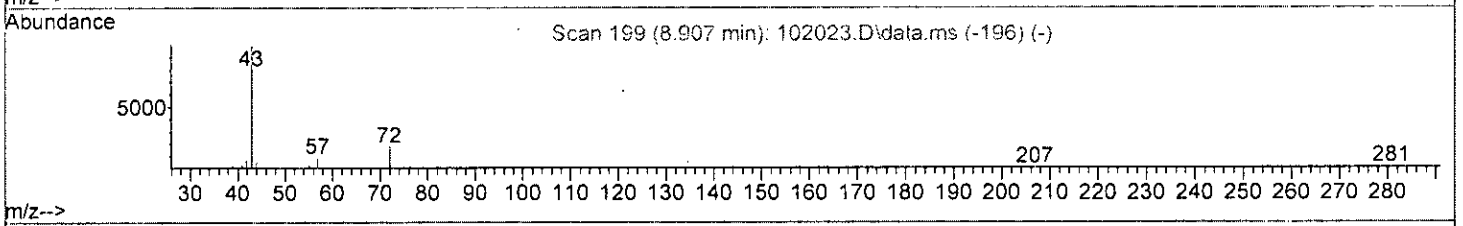
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

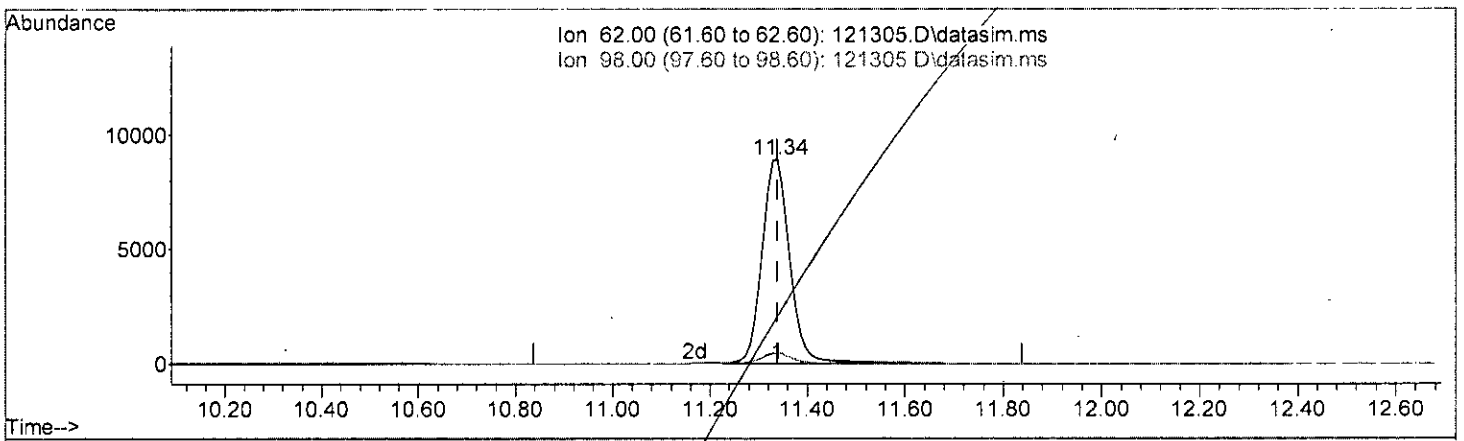
(33) 2-Butanone (MEK) (TMP)
8.907min (+ 0.000) 2.502 ppbv m
response 7553

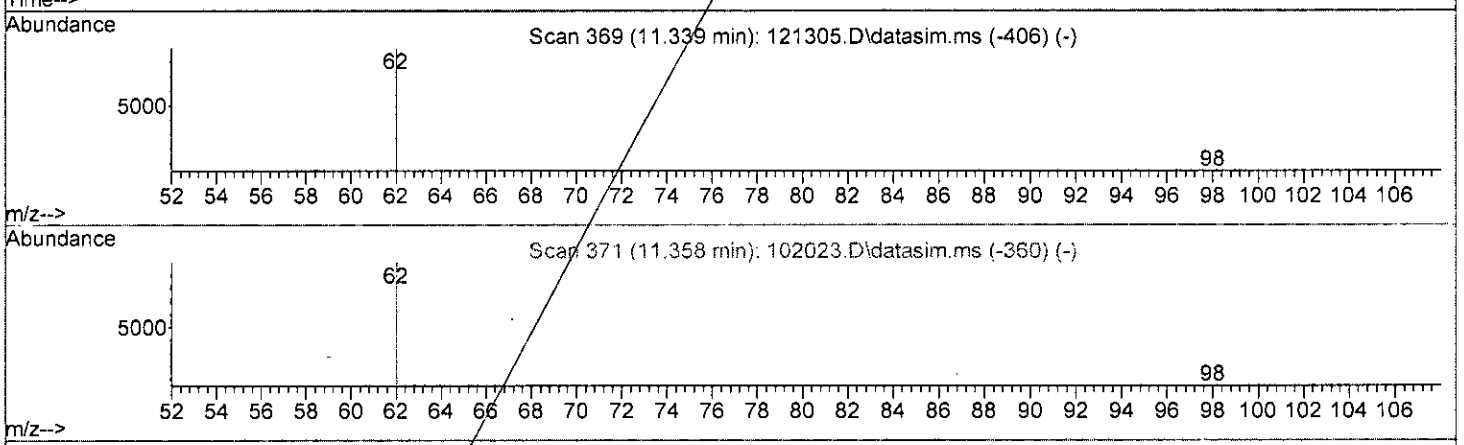
Ion	Exp%	Act%
72.00	100.00	100.00
42.00	29.90	46.12
57.00	44.20	46.12
43.00	521.60	587.60#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

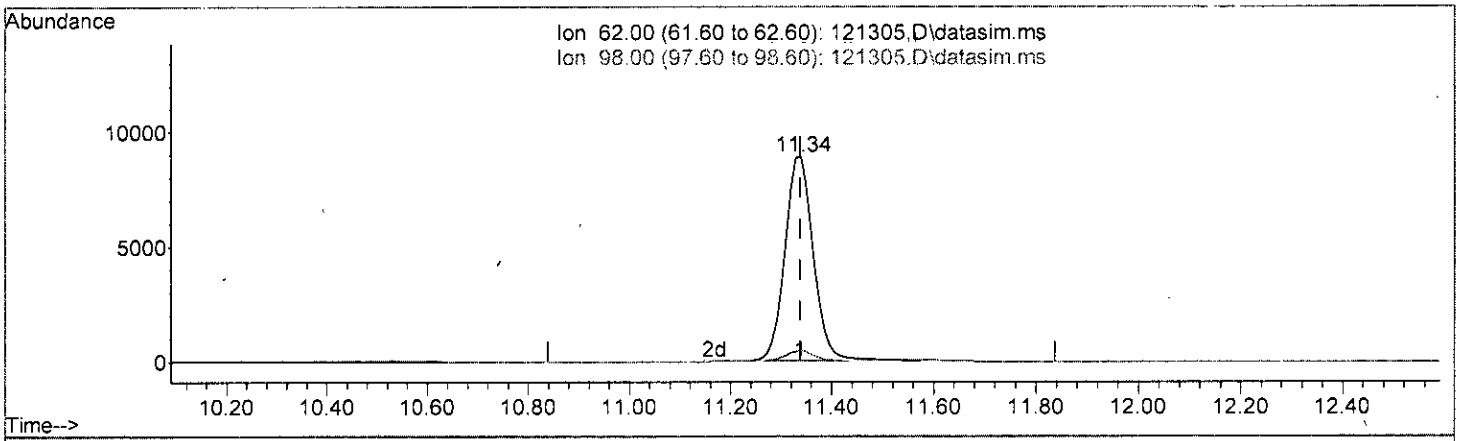
(34) 1,2-Dichloroethane (EDC) (TMP)
11.339min (+ 0.000) 2.874 ppbv
response 35848

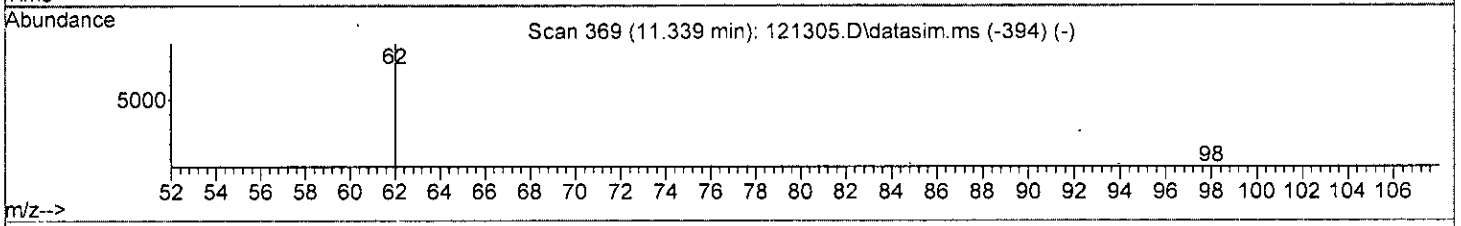
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.25
0.00	0.00	0.00
0.00	0.00	0.00

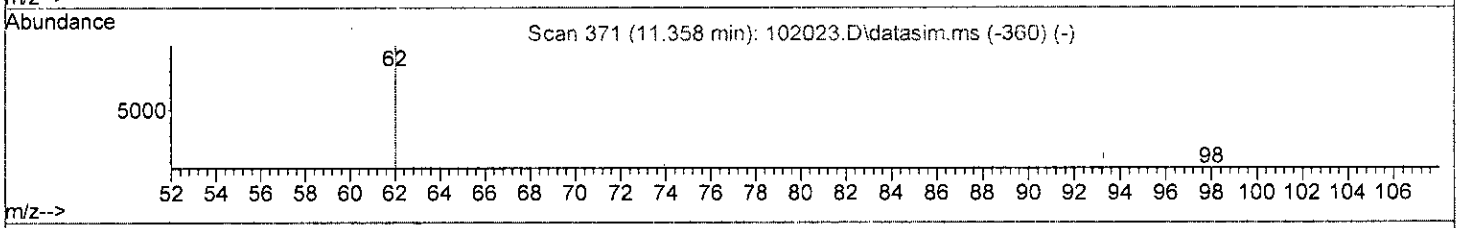
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.339min (+ 0.000) 2.738 ppbv m
response 34175

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	48772	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	210038	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	195417	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	139264	10.283	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	19633	3.050	ppbv		91
3) Dichlorodifluoromethane	3.48	85	54896	2.730	ppbv		97
4] Chloromethane	3.73	50	25235m	2.749	ppbv		
5) F-114	3.84	85	56858	2.764	ppbv		98
6] Vinyl chloride	4.09	62	22739	2.519	ppbv		98
7] 1,3-Butadiene	4.25	54	13669	2.305	ppbv	#	84
8) Butane	4.36	43	28189	2.648	ppbv		94
9) Bromomethane	4.60	94	22613	2.510	ppbv		95
10] Chloroethane	4.84	64	8796m	2.756	ppbv		
11] Vinyl bromide	5.30	106	22887	2.916	ppbv		99
12) Ethanol	4.96	45	6954	2.150	ppbv		94
13] Acrolein	5.41	56	7993m	2.248	ppbv		
14) Pentane	6.25	43	31121	2.593	ppbv		98
15) Trichlorofluoromethane	5.84	101	63824	2.737	ppbv		98
16) Acetone	5.53	58	8815	2.544	ppbv		97
17) 2-Propanol	5.78	45	36803	2.437	ppbv	#	95
18] 1,1-Dichloroethene	6.63	96	19473	2.427	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	18998	2.438	ppbv	#	82
20) Methylene chloride	6.80	84	19022	2.637	ppbv		96
21) t-Butyl alcohol (TBA)	6.57	59	34079	2.619	ppbv	#	69
22) 3-Chloropropene	6.94	41	29418	2.933	ppbv		94
23) CFC-113	7.15	101	45715	2.702	ppbv		96
24) Carbon disulfide	7.25	76	66403	2.635	ppbv		93
25) Methyl t-butyl ether (...	8.41	73	40452	2.415	ppbv		100
26) Vinyl acetate	8.54	43	48882m	2.637	ppbv		
27] 1,1-Dichloroethane	8.36	63	44085	2.704	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	19643	2.383	ppbv		98
29) Hexane	10.01	57	23806	2.360	ppbv		80
30] Chloroform	10.08	83	51461	2.749	ppbv		97
31) Ethyl acetate	9.92	43	49154m	2.660	ppbv		
32) Tetrahydrofuran	10.75	42	21568	2.444	ppbv		94
33) 2-Butanone (MEK)	8.91	72	7553m	2.502	ppbv		
34] 1,2-Dichloroethane (EDC)	11.34	62	34175m	2.738	ppbv		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35] 1,1,1-Trichloroethane	11.81	97	46080	2.826	ppbv		95
36] Carbon tetrachloride	12.86	117	47811	2.783	ppbv		96
37] Benzene	12.61	78	64922	2.542	ppbv		96
38) Cyclohexane	13.07	84	15411	2.312	ppbv		92
40] 1,2-Dichloropropane	13.80	63	31473	2.768	ppbv		96
41] 1,4-Dioxane	14.09	88	11723	2.424	ppbv		79
42) 2,2,4-Trimethylpentane	14.24	57	85543	2.548	ppbv	#	81
43) Methyl methacrylate	14.36	41	28082	2.755	ppbv		95
44) Heptane	14.56	43	35509	2.548	ppbv		98
45] Bromodichloromethane	14.04	83	53462	2.996	ppbv		99
46] Trichloroethene	14.14	95	32398	2.601	ppbv		92
47) cis-1,3-Dichloropropene	15.20	75	34170	2.717	ppbv		91
48) 4-Methyl-2-pentanone	15.23	100	2183	2.349	ppbv	#	5
49] trans-1,3-Dichloropropene	15.78	75	32347	2.735	ppbv		85
50] Toluene	16.31	92	37827	2.547	ppbv		98
51] 1,1,2-Trichloroethane	16.00	83	31415	2.910	ppbv		90
52) 2-Hexanone	16.56	43	50262	2.828	ppbv		92
53] Tetrachloroethene	17.52	164	27970	2.719	ppbv		93
54] Dibromochloromethane	16.76	129	52290	2.892	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	44020	2.762	ppbv		99
57) Chlorobenzene	18.19	112	55032	2.558	ppbv		98
58] Ethylbenzene	18.53	91	81617	2.334	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.11	83	72646	2.804	ppbv		91
60) Nonane	19.30	43	48913	2.552	ppbv		93
61) Isopropylbenzene	19.70	105	90352	2.580	ppbv		99
62) 2-Chlorotoluene	20.17	126	22023	2.515	ppbv		83
63) Propylbenzene	20.17	91	164519	2.557	ppbv		97
64) 4-Ethyltoluene	20.32	105	72136	2.291	ppbv		99
65] m,p-Xylene	18.70	106	58043	4.690	ppbv		96
66] o-Xylene	19.15	106	28807	2.398	ppbv		97
67) Styrene	19.05	104	36799	2.299	ppbv		97
68) Bromoform	18.80	173	55733	2.773	ppbv		99
70] Benzyl chloride	20.95	91	59748	2.638	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	72194	2.548	ppbv		93
72) 1,2,4-Trimethylbenzene	20.80	105	55400	2.125	ppbv		99
73] 1,3-Dichlorobenzene	20.98	146	51703	2.615	ppbv		98
74] 1,4-Dichlorobenzene	21.04	146	46775	2.528	ppbv		85
75] 1,2-Dichlorobenzene	21.41	146	52276	2.612	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	23941	1.974	ppbv		97
77] Naphthalene	23.84	128	29984	1.954	ppbv		97
78] Hexachlorobutadiene	24.44	225	53835	2.637	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

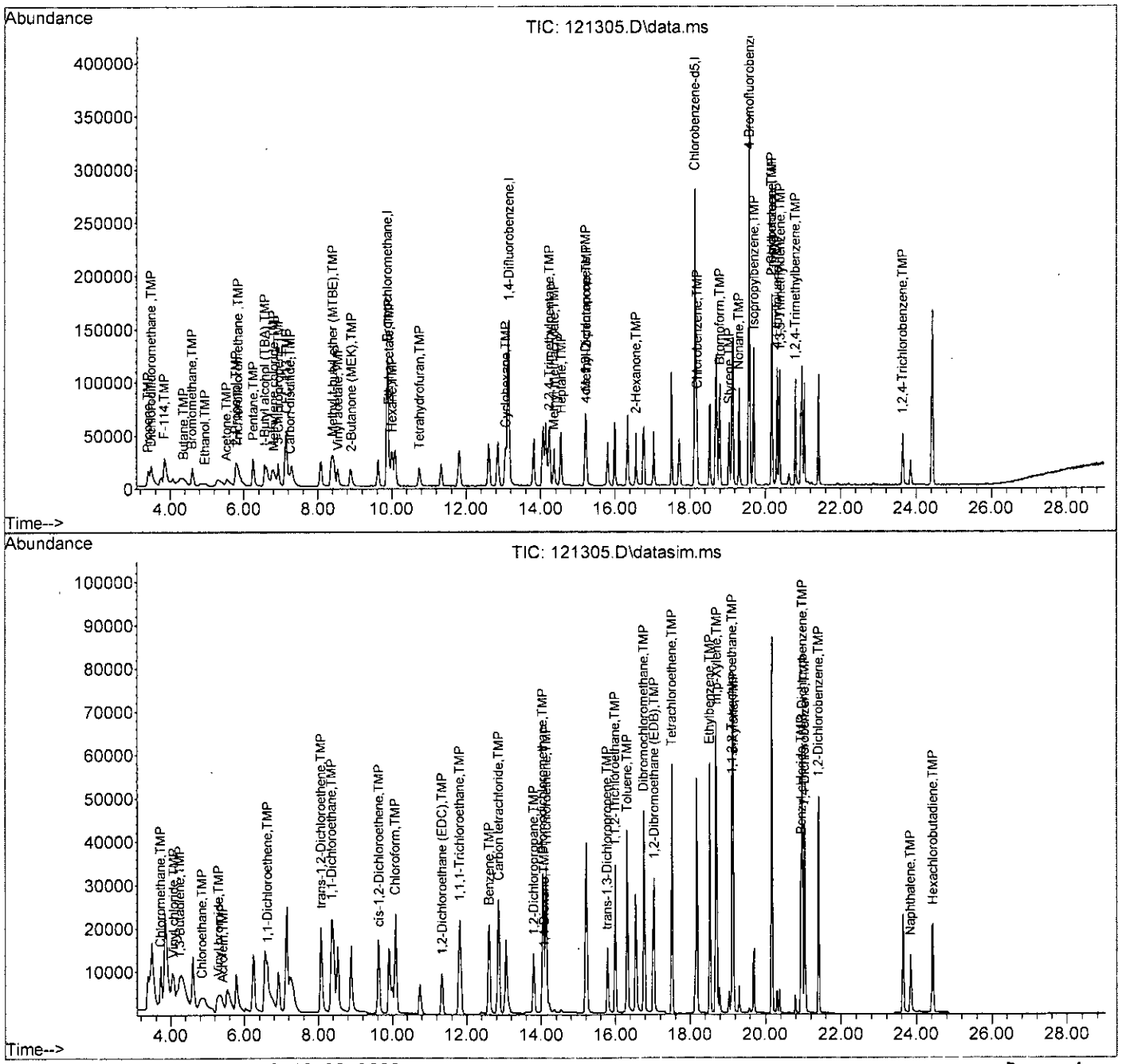
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	81	0.00
2	TMP	Propene	2.500	3.050	-22.0	92	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.730	-9.2	84	0.00
4	TMP	Chloromethane	2.500	2.749	-10.0	89	0.00
5	TMP	F-114	2.500	2.764	-10.6	90	-0.04
6	TMP	Vinyl chloride	2.500	2.519	-0.8	83	0.00
7	TMP	1,3-Butadiene	2.500	2.305	7.8	77	-0.04
8	TMP	Butane	2.500	2.648	-5.9	81	0.04
9	TMP	Bromomethane	2.500	2.510	-0.4	81	0.00
10	TMP	Chloroethane	2.500	2.756	-10.2	84	0.00
11	TMP	Vinyl bromide	2.500	2.916	-16.6	90	-0.02
12	TMP	Ethanol	2.500	2.150	14.0	64	0.00
13	TMP	Acrolein	2.500	2.248	10.1	81	0.00
14	TMP	Pentane	2.500	2.593	-3.7	79	0.00
15	TMP	Trichlorofluoromethane	2.500	2.737	-9.5	82	0.00
16	TMP	Acetone	2.500	2.544	-1.8	75	-0.04
17	TMP	2-Propanol	2.500	2.437	2.5	76	0.00
18	TMP	1,1-Dichloroethene	2.500	2.427	2.9	80	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.438	2.5	78	-0.03
20	TMP	Methylene chloride	2.500	2.637	-5.5	78	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.619	-4.8	86	0.00
22	TMP	3-Chloropropene	2.500	2.933	-17.3	94	0.00
23	TMP	CFC-113	2.500	2.702	-8.1	81	0.00
24	TMP	Carbon disulfide	2.500	2.635	-5.4	75	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.415	3.4	73	-0.03
26	TMP	Vinyl acetate	2.500	2.637	-5.5	80	0.00
27	TMP	1,1-Dichloroethane	2.500	2.704	-8.2	84	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.383	4.7	77	0.00
29	TMP	Hexane	2.500	2.360	5.6	75	0.00
30	TMP	Chloroform	2.500	2.749	-10.0	84	-0.02
31	TMP	Ethyl acetate	2.500	2.660	-6.4	84	0.00
32	TMP	Tetrahydrofuran	2.500	2.444	2.2	81	0.00
33	TMP	2-Butanone (MEK)	2.500	2.502	-0.1	75	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.738	-9.5	85	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.826	-13.0	83	-0.01
36	TMP	Carbon tetrachloride	2.500	2.783	-11.3	84	0.00
37	TMP	Benzene	2.500	2.542	-1.7	78	0.00
38	TMP	Cyclohexane	2.500	2.312	7.5	71	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	76	0.00
40	TMP	1,2-Dichloropropane	2.500	2.768	-10.7	82	0.00
41	TMP	1,4-Dioxane	2.500	2.424	3.0	77	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.548	-1.9	74	0.00
43	TMP	Methyl methacrylate	2.500	2.755	-10.2	77	0.00
44	TMP	Heptane	2.500	2.548	-1.9	74	0.00
45	TMP	Bromodichloromethane	2.500	2.996	-19.8	84	0.00
46	TMP	Trichloroethene	2.500	2.601	-4.0	81	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.717	-8.7	75	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.349	6.0	69	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.735	-9.4	77	0.00
50	TMP	Toluene	2.500	2.547	-1.9	74	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.910	-16.4	83	0.00
52	TMP	2-Hexanone	2.500	2.828	-13.1	84	0.00
53	TMP	Tetrachloroethene	2.500	2.719	-8.8	79	0.00
54	TMP	Dibromochloromethane	2.500	2.892	-15.7	83	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.762	-10.5	79	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	80	0.00
57	TMP	Chlorobenzene	2.500	2.558	-2.3	79	0.00
58	TMP	Ethylbenzene	2.500	2.334	6.6	71	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.804	-12.2	84	-0.02
60	TMP	Nonane	2.500	2.552	-2.1	76	0.00
61	TMP	Isopropylbenzene	2.500	2.580	-3.2	74	0.00
62	TMP	2-Chlorotoluene	2.500	2.515	-0.6	74	0.00
63	TMP	Propylbenzene	2.500	2.557	-2.3	73	-0.01
64	TMP	4-Ethyltoluene	2.500	2.291	8.4	71	0.00
65	TMP	m,p-Xylene	5.000	4.690	6.2	71	0.00
66	TMP	o-Xylene	2.500	2.398	4.1	72	0.00
67	TMP	Styrene	2.500	2.299	8.0	70	0.00
68	TMP	Bromoform	2.500	2.773	-10.9	83	0.00
69	S	4-Bromofluorobenzene	10.000	10.283	-2.8	77	0.00
70	TMP	Benzyl chloride	2.500	2.638	-5.5	80	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.548	-1.9	72	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.125	15.0	67	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.615	-4.6	77	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.528	-1.1	76	-0.01
75	TMP	1,2-Dichlorobenzene	2.500	2.612	-4.5	77	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	1.974	21.0	72	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
77 TMP	Naphthalene	2.500	1.954	21.8	69	0.00
78 TMP	Hexachlorobutadiene	2.500	2.637	-5.5	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	81	0.00
2	TMP	Propene	1.556	1.610	-3.5	92	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.502	-9.2	84	0.00
4	TMP	Chloromethane	1.882	2.070	-10.0	89	0.00
5	TMP	F-114	4.217	4.663	-10.6	90	-0.04
6	TMP	Vinyl chloride	1.851	1.865	-0.8	83	0.00
7	TMP	1,3-Butadiene	1.216	1.121	7.8	77	-0.04
8	TMP	Butane	2.183	2.312	-5.9	81	0.04
9	TMP	Bromomethane	1.847	1.855	-0.4	81	0.00
10	TMP	Chloroethane	0.655	0.721	-10.1	84	0.00
11	TMP	Vinyl bromide	1.609	1.877	-16.7	90	-0.02
12	TMP	Ethanol	0.663	0.570	14.0	64	0.00
13	TMP	Acrolein	0.729	0.656	10.0	81	0.00
14	TMP	Pentane	2.461	2.552	-3.7	79	0.00
15	TMP	Trichlorofluoromethane	4.781	5.234	-9.5	82	0.00
16	TMP	Acetone	0.710	0.723	-1.8	75	-0.04
17	TMP	2-Propanol	3.096	3.018	2.5	76	0.00
18	TMP	1,1-Dichloroethene	1.645	1.597	2.9	80	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.558	2.5	78	-0.03
20	TMP	Methylene chloride	1.479	1.560	-5.5	78	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.795	-4.8	86	0.00
22	TMP	3-Chloropropene	2.056	2.413	-17.4	94	0.00
23	TMP	CFC-113	3.469	3.749	-8.1	81	0.00
24	TMP	Carbon disulfide	5.167	5.446	-5.4	75	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.318	3.4	73	-0.03
26	TMP	Vinyl acetate	3.801	4.009	-5.5	80	0.00
27	TMP	1,1-Dichloroethane	3.342	3.616	-8.2	84	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.611	4.7	77	0.00
29	TMP	Hexane	2.068	1.952	5.6	75	0.00
30	TMP	Chloroform	4.060	4.221	-4.0	84	-0.02
31	TMP	Ethyl acetate	3.789	4.031	-6.4	84	0.00
32	TMP	Tetrahydrofuran	1.809	1.769	2.2	81	0.00
33	TMP	2-Butanone (MEK)	0.619	0.619	0.0	75	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.803	-4.3	85	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.779	-13.0	83	-0.01
36	TMP	Carbon tetrachloride	3.523	3.921	-11.3	84	0.00
37	TMP	Benzene	5.688	5.325	6.4	78	0.00
38	TMP	Cyclohexane	1.367	1.264	7.5	71	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
40	TMP	1,2-Dichloropropane	0.541	0.599	-10.7	82	0.00
41	TMP	1,4-Dioxane	0.230	0.223	3.0	77	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.629	-1.9	74	0.00
43	TMP	Methyl methacrylate	0.485	0.535	-10.3	77	0.00
44	TMP	Heptane	0.663	0.676	-2.0	74	0.00
45	TMP	Bromodichloromethane	0.850	1.018	-19.8	84	0.00
46	TMP	Trichloroethene	0.593	0.617	-4.0	81	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.651	-8.7	75	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.042	4.5	69	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.616	-9.4	77	0.00
50	TMP	Toluene	0.707	0.720	-1.8	74	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.598	-8.7	83	0.00
52	TMP	2-Hexanone	0.846	0.957	-13.1	84	0.00
53	TMP	Tetrachloroethene	0.490	0.533	-8.8	79	0.00
54	TMP	Dibromochloromethane	0.861	0.996	-15.7	83	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.838	-1.7	79	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
57	TMP	Chlorobenzene	1.101	1.126	-2.3	79	0.00
58	TMP	Ethylbenzene	1.968	1.671	15.1	71	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.487	-6.7	84	-0.02
60	TMP	Nonane	0.981	1.001	-2.0	76	0.00
61	TMP	Isopropylbenzene	1.792	1.849	-3.2	74	0.00
62	TMP	2-Chlorotoluene	0.448	0.451	-0.7	74	0.00
63	TMP	Propylbenzene	3.292	3.368	-2.3	73	-0.01
64	TMP	4-Ethyltoluene	1.611	1.477	8.3	71	0.00
65	TMP	m,p-Xylene	0.633	0.594	6.2	71	0.00
66	TMP	o-Xylene	0.615	0.590	4.1	72	0.00
67	TMP	Styrene	0.819	0.753	8.1	70	0.00
68	TMP	Bromoform	1.028	1.141	-11.0	83	0.00
69	S	4-Bromofluorobenzene	0.693	0.713	-2.9	77	0.00
70	TMP	Benzyl chloride	0.987	1.223	-23.9	80	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.478	-1.9	72	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.134	9.1	67	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.058	-4.5	77	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.957	-1.1	76	-0.01
75	TMP	1,2-Dichlorobenzene	1.024	1.070	-4.5	77	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.490	21.7	72	0.00

EPA TO-15
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : D:\GCMS7 Methods\1115TO15ss7.M (RTE Integrator)
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration

Non-Spiked Sample: 121312.D

	Spike Sample	Spike Duplicate Sample
File ID :	121305.D	121305.D
Sample :	02-2958 lcs/ 2.5 ppbv 67-196a rr	02-2958 lcs/ 2.5 ppbv 67-196a rr
Acq Time:	13 Dec 2022 3:24 pm	13 Dec 2022 3:24 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Propene	0.0	3	3	3	122	122	0	20	70-130
Dichlorodifluorometh	0.0	3	3	3	109	109	0	20	70-130
Chloromethane	0.0	3	3	3	110	110	0	20	70-130
F-114	0.0	3	3	3	111	111	0	20	70-130
Vinyl chloride	0.0	3	3	3	101	101	0	20	70-130
1,3-Butadiene	0.0	3	2	2	92	92	0	20	70-130
Butane	0.0	3	3	3	106	106	0	20	70-130
Bromomethane	0.0	3	3	3	100	100	0	20	70-130
Chloroethane	0.0	3	3	3	110	110	0	20	70-130
Vinyl bromide	0.0	3	3	3	117	117	0	20	70-130
Ethanol	0.0	3	2	2	86	86	0	20	70-130
Acrolein	0.0	3	2	2	90	90	0	20	70-130
Pentane	0.0	3	3	3	104	104	0	20	70-130
Trichlorofluorometha	0.0	3	3	3	109	109	0	20	70-130
Acetone	0.3	3	3	3	90	90	0	20	70-130
2-Propanol	0.0	3	2	2	96	96	0	20	70-130
1,1-Dichloroethene	0.0	3	2	2	97	97	0	20	70-130
trans-1,2-Dichloroet	0.0	3	2	2	98	98	0	20	70-130
Methylene chloride	0.1	3	3	3	103	103	0	20	70-130
t-Butyl alcohol (TBA	0.0	3	3	3	105	105	0	20	70-130
3-Chloropropene	0.0	3	3	3	117	117	0	20	70-130
CFC-113	0.0	3	3	3	108	108	0	20	70-130
Carbon disulfide	0.0	3	3	3	104	104	0	20	70-130
Methyl t-butyl ether	0.0	3	2	2	97	97	0	20	70-130
Vinyl acetate	0.0	3	3	3	105	105	0	20	70-130
1,1-Dichloroethane	0.0	3	3	3	108	108	0	20	70-130
cis-1,2-Dichloroethe	0.0	3	2	2	95	95	0	20	70-130
Hexane	0.0	3	2	2	94	94	0	20	70-130
Chloroform	0.0	3	3	3	110	110	0	20	70-130
Ethyl acetate	0.0	3	3	3	106	106	0	20	70-130
Tetrahydrofuran	0.0	3	2	2	98	98	0	20	70-130
2-Butanone (MEK)	0.0	3	3	3	100	100	0	20	70-130
1,2-Dichloroethane (I	0.0	3	3	3	110	110	0	20	70-130
1,1,1-Trichloroethan	0.0	3	3	3	113	113	0	20	70-130
Carbon tetrachloride	0.0	3	3	3	111	111	0	20	70-130
Benzene	0.0	3	3	3	102	102	0	20	70-130

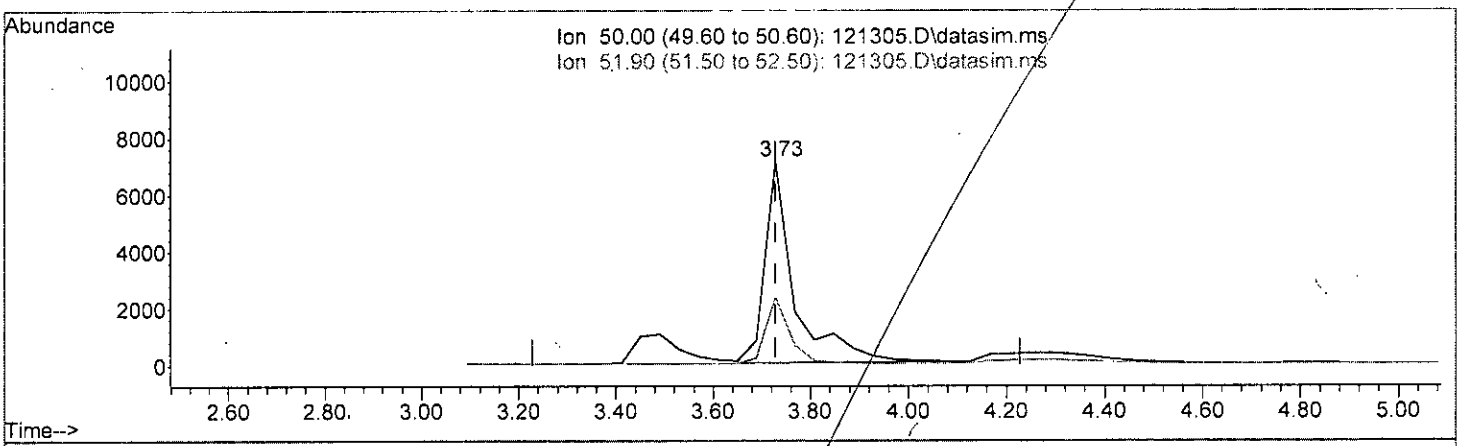
Cyclohexane	0.0	3	2	2	92	92	0	20	70-130
1,2-Dichloropropane	0.0	3	3	3	111	111	0	20	70-130
1,4-Dioxane	0.0	3	2	2	97	97	0	20	70-130
2,2,4-Trimethylpenta	0.0	3	3	3	102	102	0	20	70-130
Methyl methacrylate	0.0	3	3	3	110	110	0	20	70-130
Heptane	0.0	3	3	3	102	102	0	20	70-130
Bromodichloromethane	0.0	3	3	3	120	120	0	20	70-130
Trichloroethene	0.0	3	3	3	104	104	0	20	70-130
cis-1,3-Dichloroprop	0.0	3	3	3	109	109	0	20	70-130
4-Methyl-2-pentanone	0.0	3	2	2	94	94	0	20	70-130
trans-1,3-Dichloropr	0.0	3	3	3	109	109	0	20	70-130
Toluene	0.1	3	3	3	99	99	0	20	70-130
1,1,2-Trichloroethan	0.0	3	3	3	116	116	0	20	70-130
2-Hexanone	0.0	3	3	3	113	113	0	20	70-130
Tetrachloroethene	0.0	3	3	3	108	108	0	20	70-130
Dibromochloromethane	0.0	3	3	3	116	116	0	20	70-130
1,2-Dibromoethane (E	0.0	3	3	3	110	110	0	20	70-130
Chlorobenzene	0.0	3	3	3	102	102	0	20	70-130
Ethylbenzene	0.0	3	2	2	93	93	0	20	70-130
1,1,2,2-Tetrachloroe	0.0	3	3	3	112	112	0	20	70-130
Nonane	0.0	3	3	3	102	102	0	20	70-130
Isopropylbenzene	0.0	3	3	3	103	103	0	20	70-130
2-Chlorotoluene	0.0	3	3	3	101	101	0	20	70-130
Propylbenzene	0.0	3	3	3	102	102	0	20	70-130
4-Ethyltoluene	0.0	3	2	2	91	91	0	20	70-130
m,p-Xylene	0.0	5	5	5	94	94	0	20	70-130
o-Xylene	0.0	3	2	2	96	96	0	20	70-130
Styrene	0.0	3	2	2	92	92	0	20	70-130
Bromoform	0.0	3	3	3	111	111	0	20	70-130
Benzyl chloride	0.0	3	3	3	106	106	0	20	70-130
1,3,5-Trimethylbenze	0.0	3	3	3	102	102	0	20	70-130
1,2,4-Trimethylbenze	0.1	3	2	2	82	82	0	20	70-130
1,3-Dichlorobenzene	0.0	3	3	3	105	105	0	20	70-130
1,4-Dichlorobenzene	0.0	3	3	3	101	101	0	20	70-130
1,2-Dichlorobenzene	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trichlorobenze	0.0	3	2	2	79	79	0	20	70-130
Naphthalene	0.0	3	2	2	78	78	0	20	70-130
Hexachlorobutadiene	0.0	3	3	3	105	105	0	20	70-130

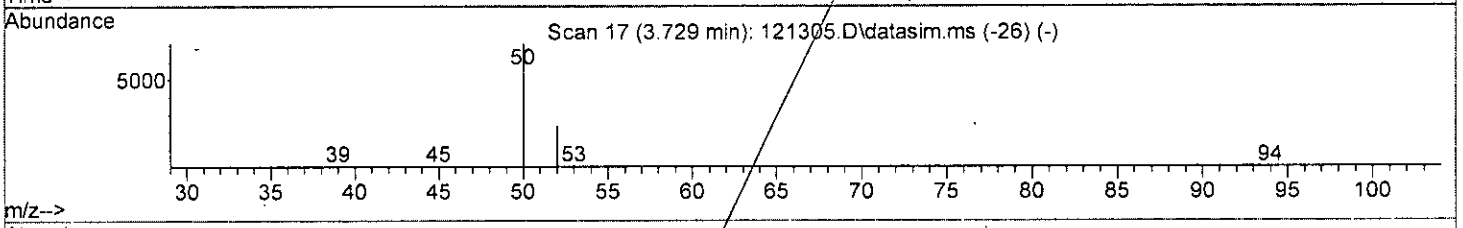
- Fails Limit Check

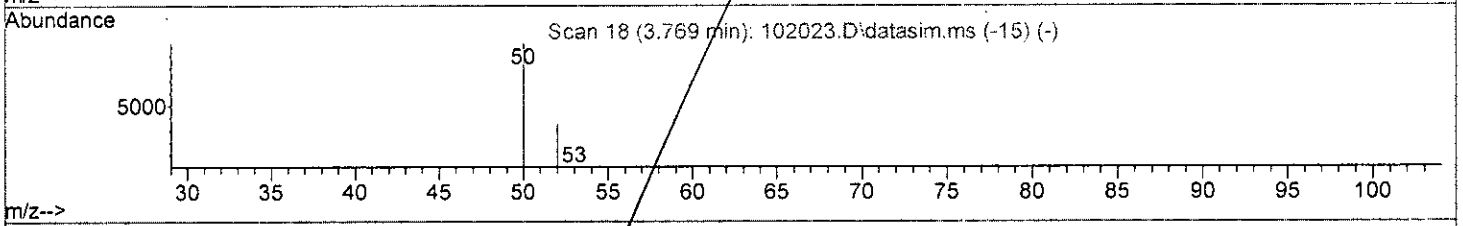
Quantitation Report (Qedit)

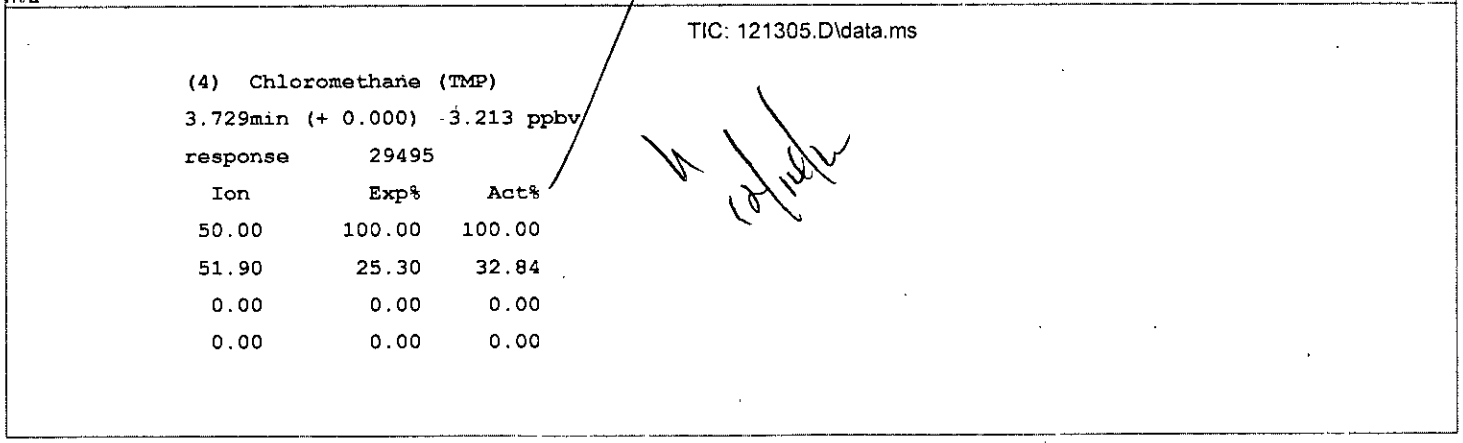
Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M









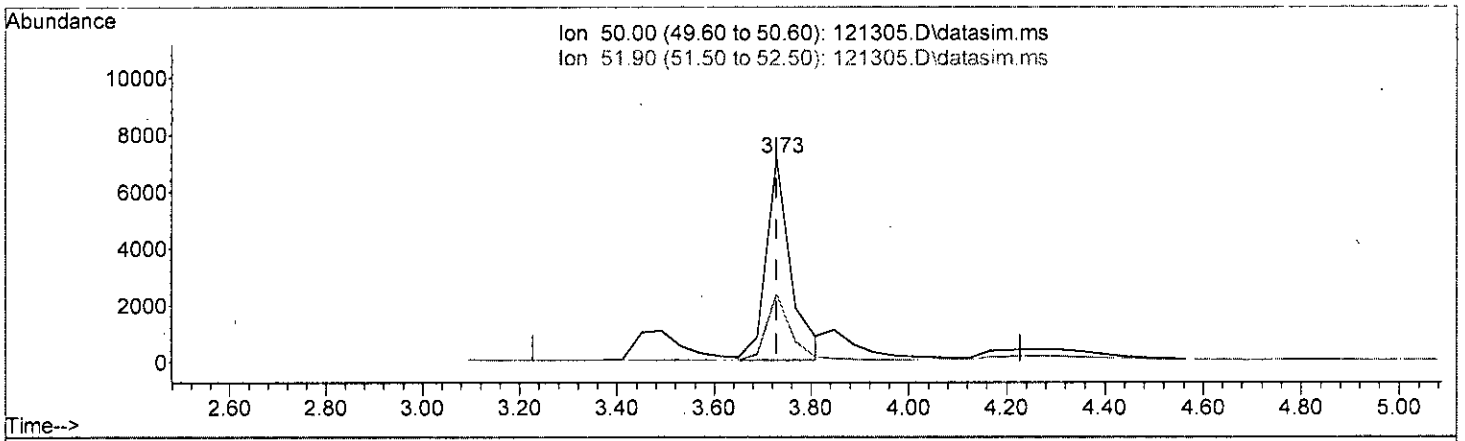
(4) Chloromethane (TMP)
3.729min (+ 0.000) 3.213 ppbv
response 29495

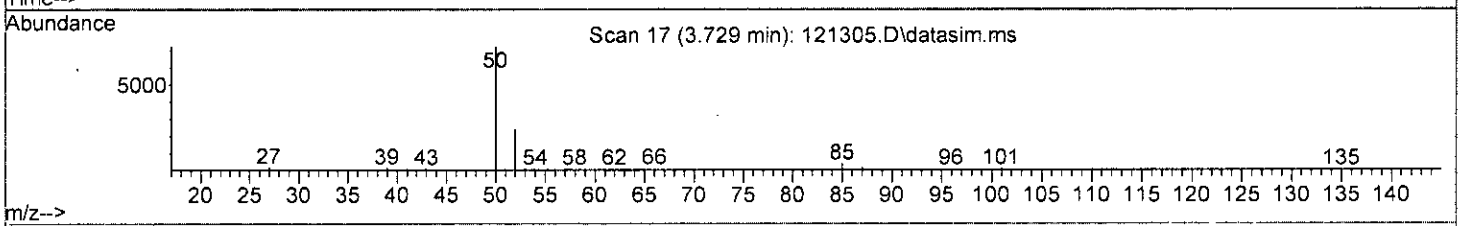
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.84
0.00	0.00	0.00
0.00	0.00	0.00

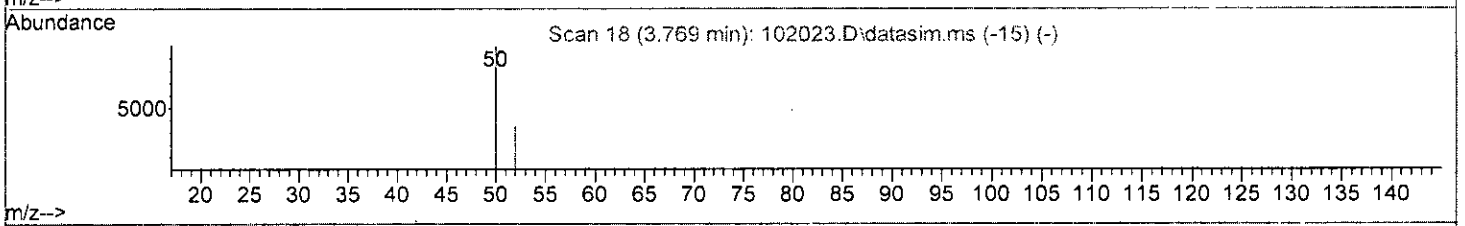
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.749 ppbv m

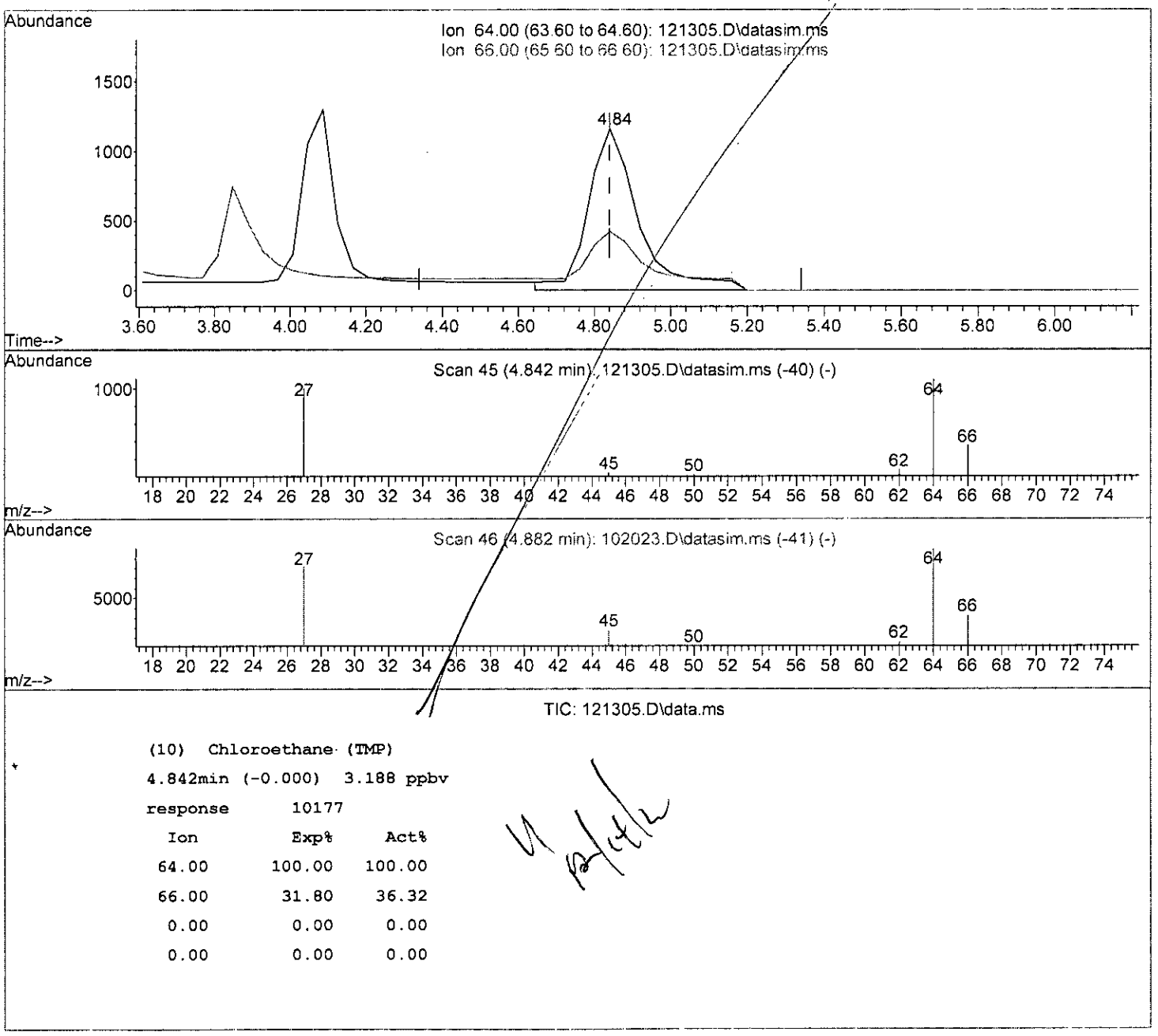
response 25235

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121305.D\data.ms

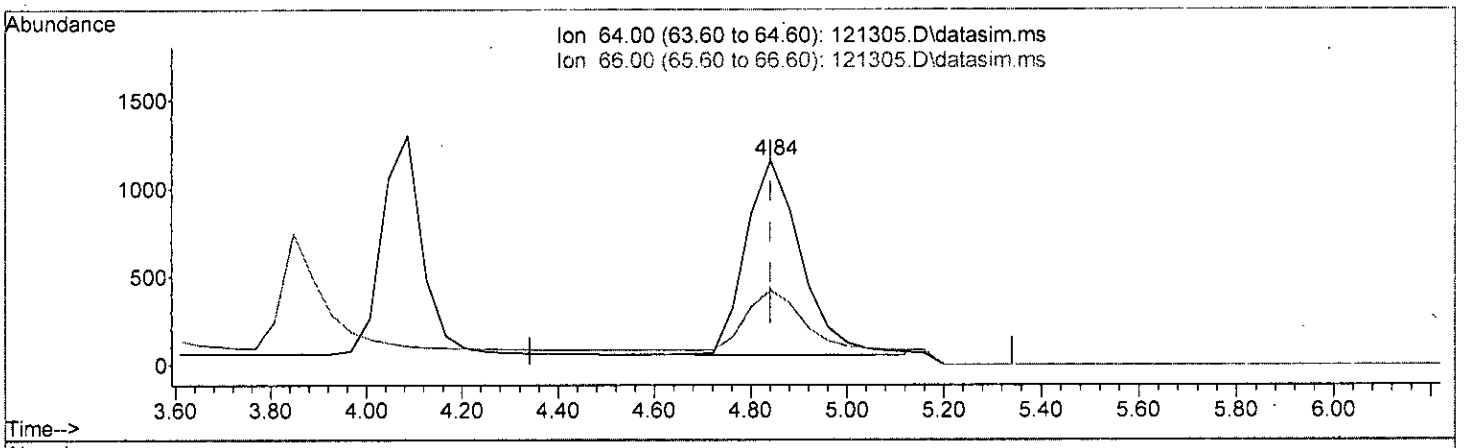
(10) Chloroethane (TMP)
4.842min (-0.000) 3.188 ppbv
response 10177

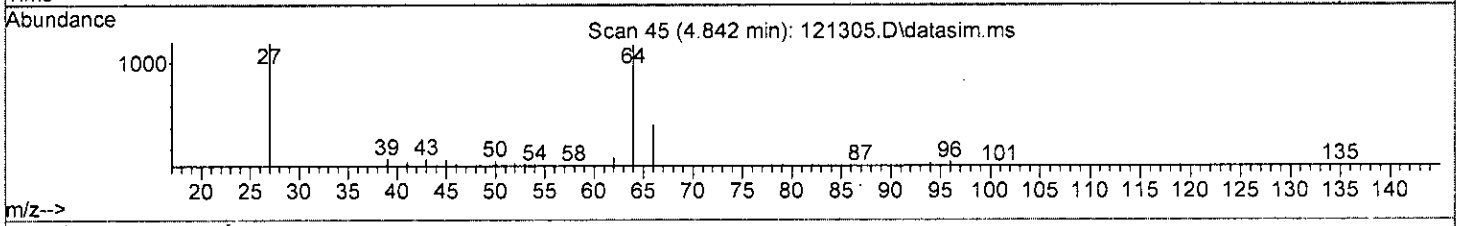
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.32
0.00	0.00	0.00
0.00	0.00	0.00

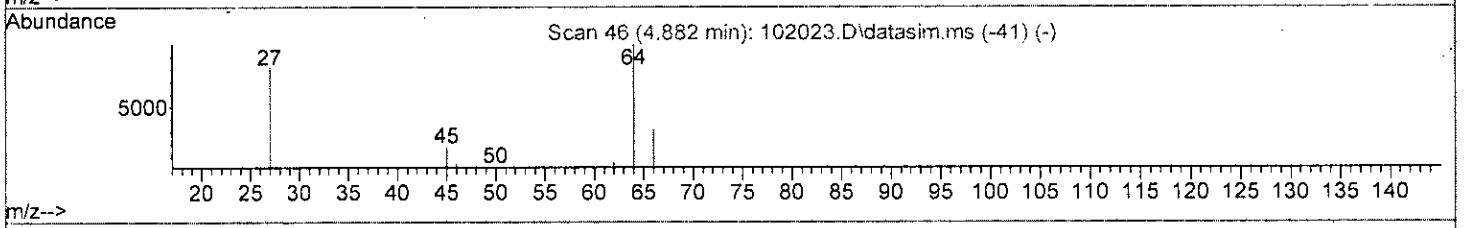
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(10) Chloroethane (TMP)
4.842min (-0.000) 2.756 ppbv m
response 8796

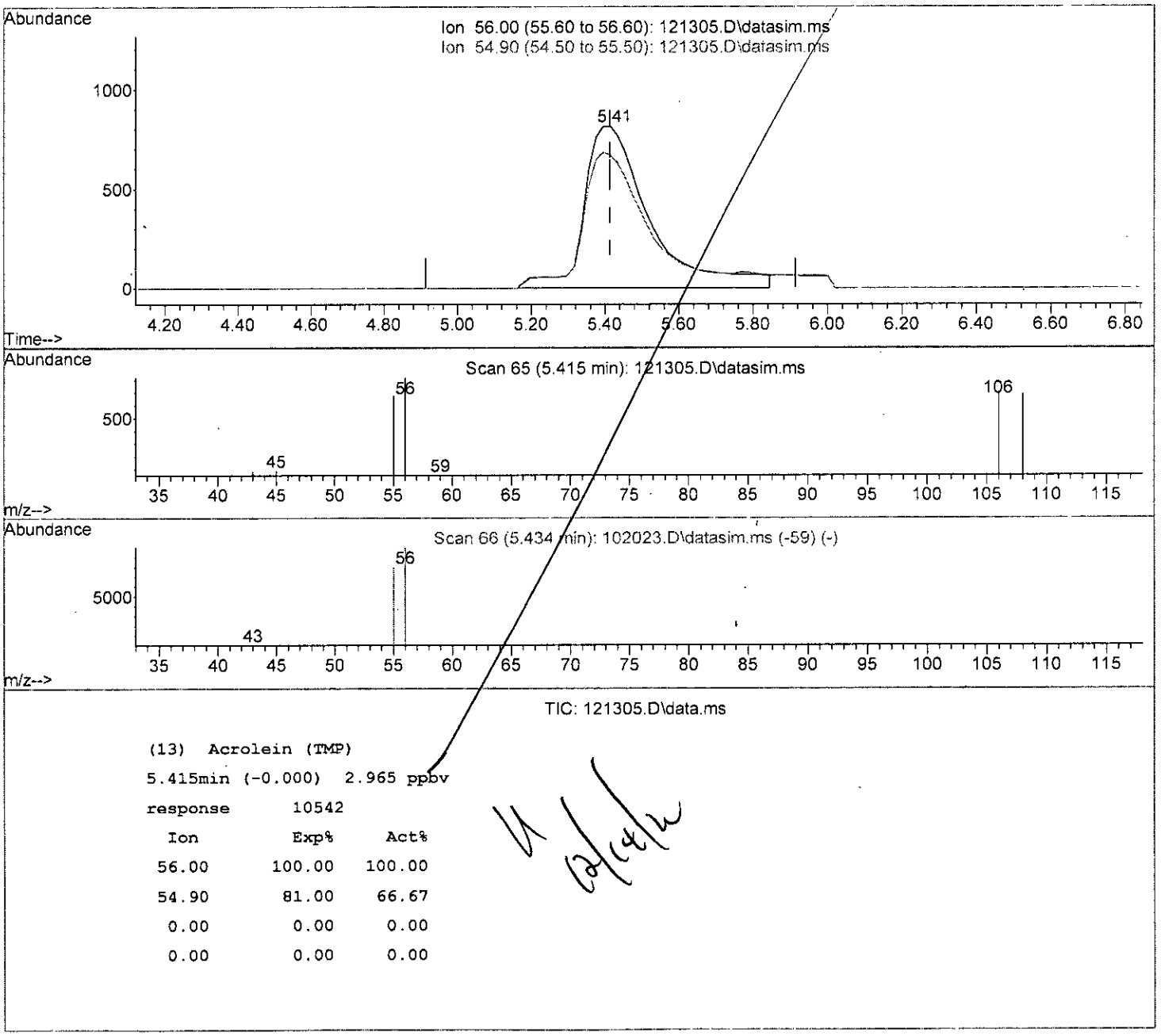
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.32
0.00	0.00	0.00
0.00	0.00	0.00

12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121305.D\data.ms

(13) Acrolein (TMP)
5.415min (-0.000) 2.965 ppbv
response 10542

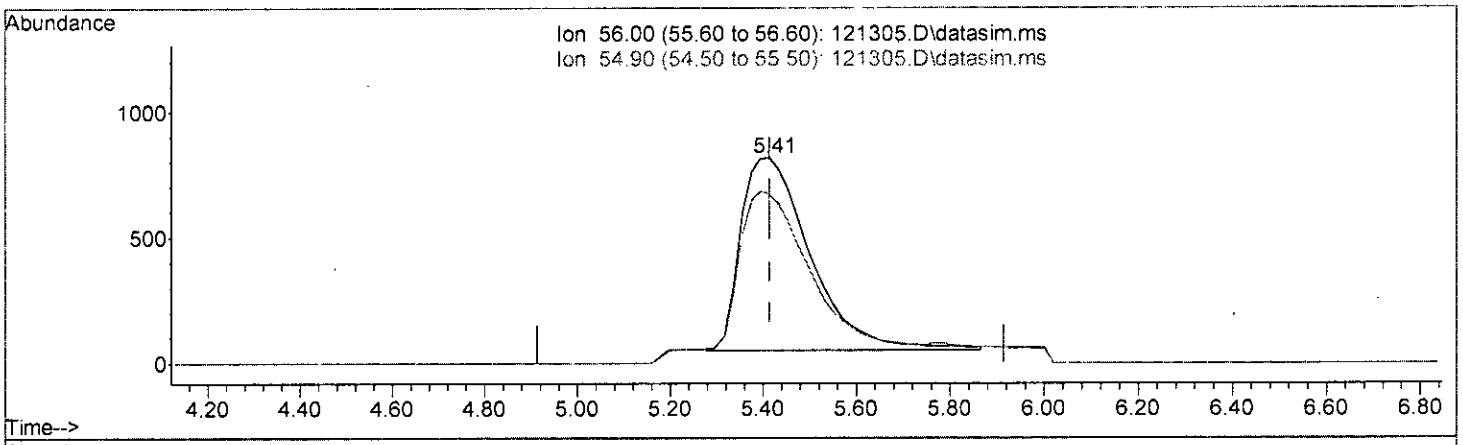
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	66.67
0.00	0.00	0.00
0.00	0.00	0.00

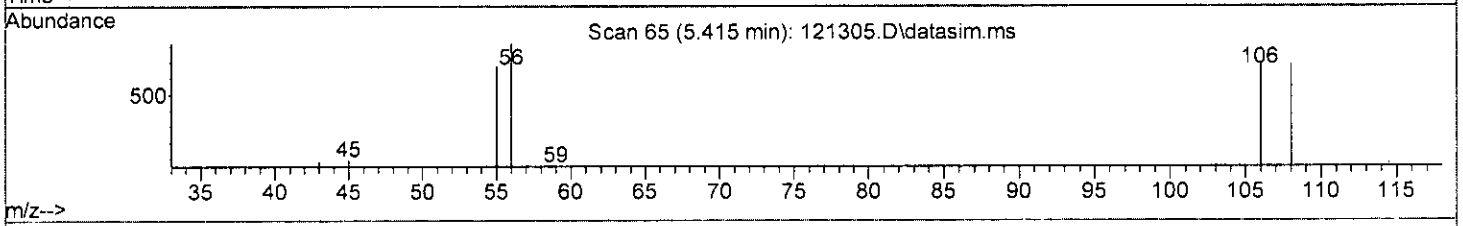
12/14/22

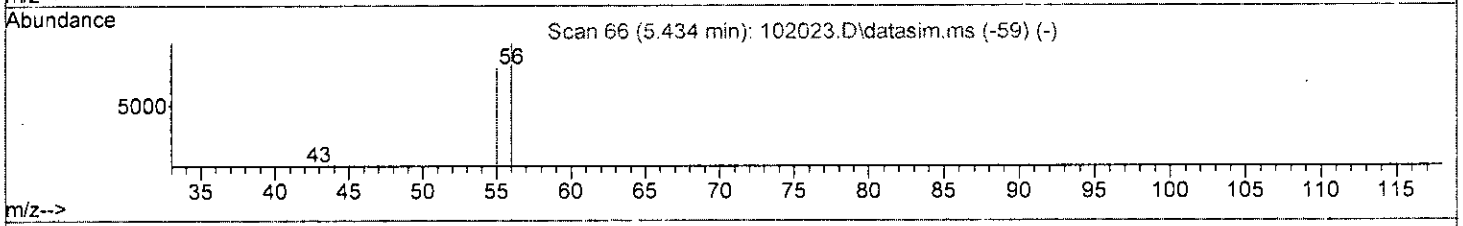
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.248 ppbv m

response 7993

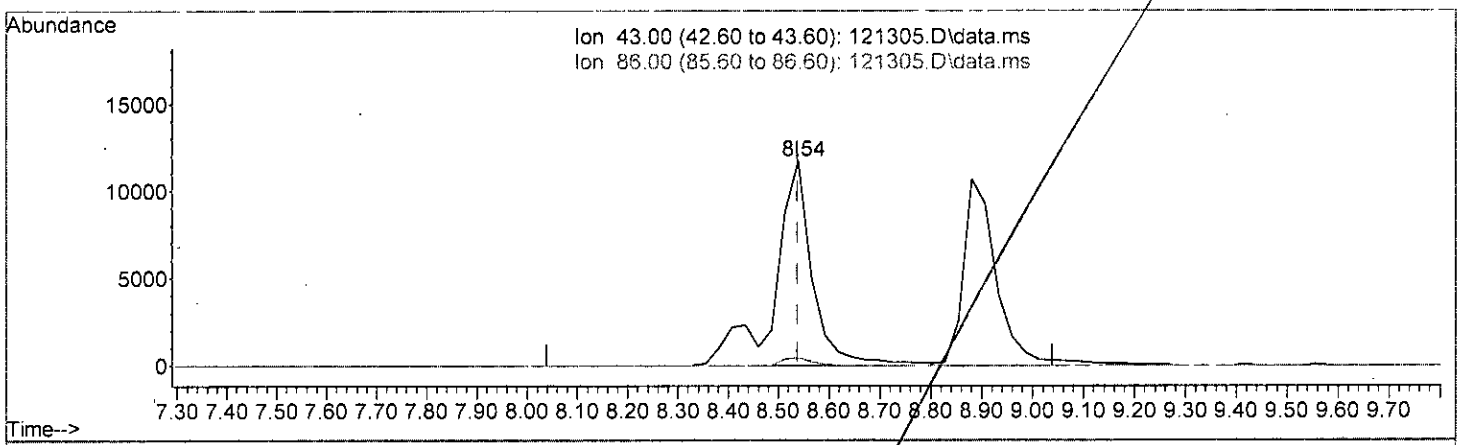
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	87.93
0.00	0.00	0.00
0.00	0.00	0.00

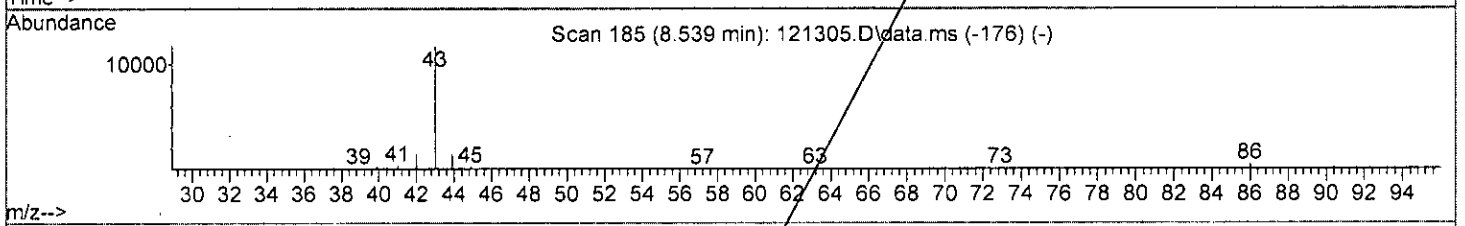
12/14/22

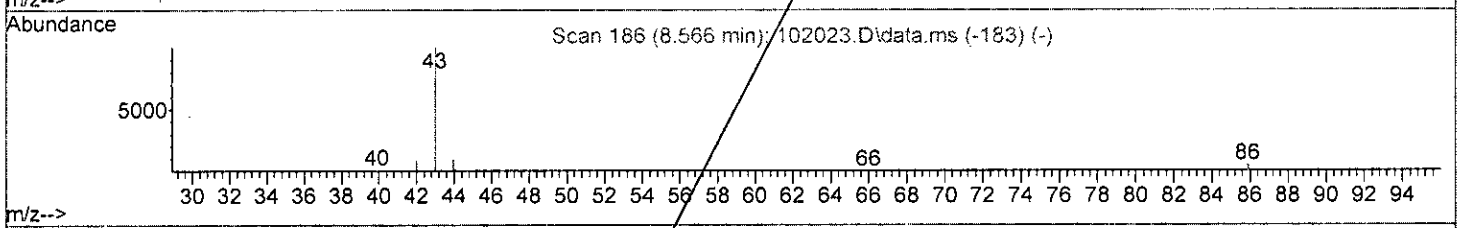
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

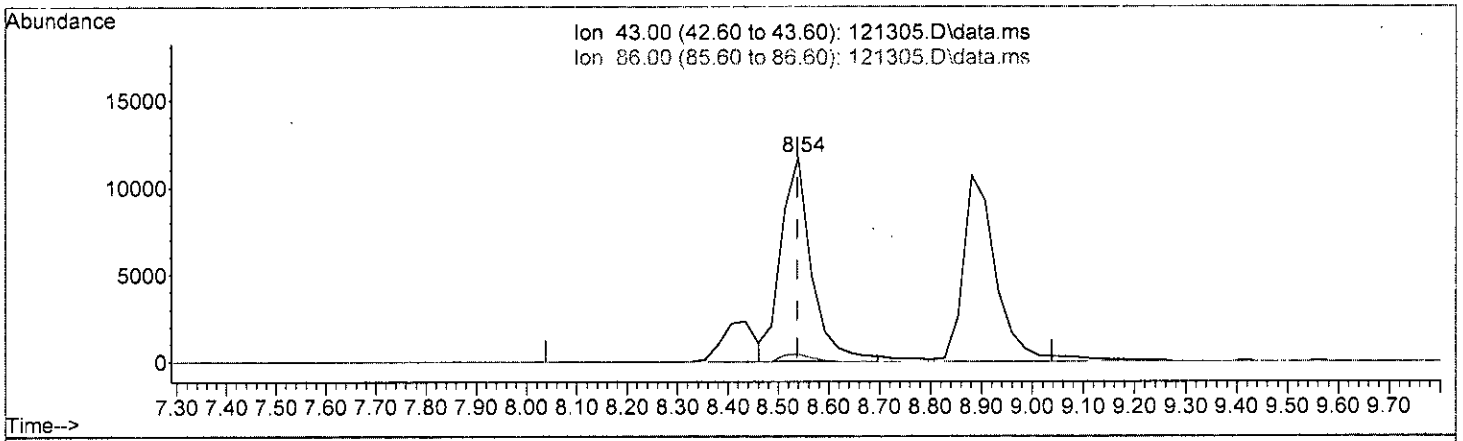
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.255 ppbv
response 60334

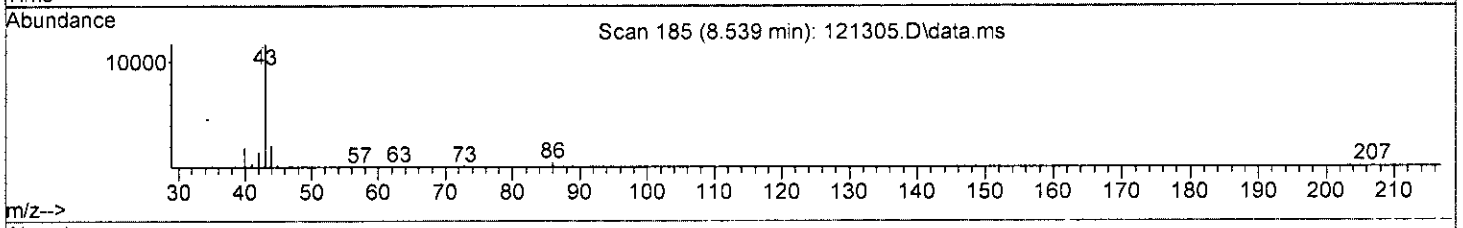
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	3.67
0.00	0.00	0.00
0.00	0.00	0.00

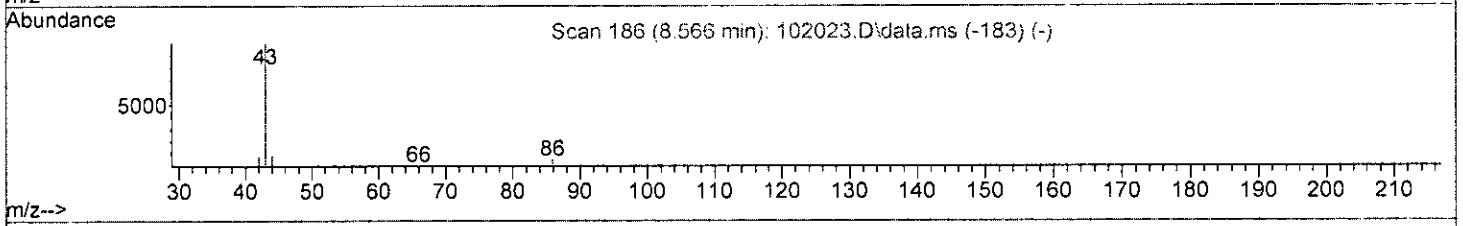
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.637 ppbv m
response 48882

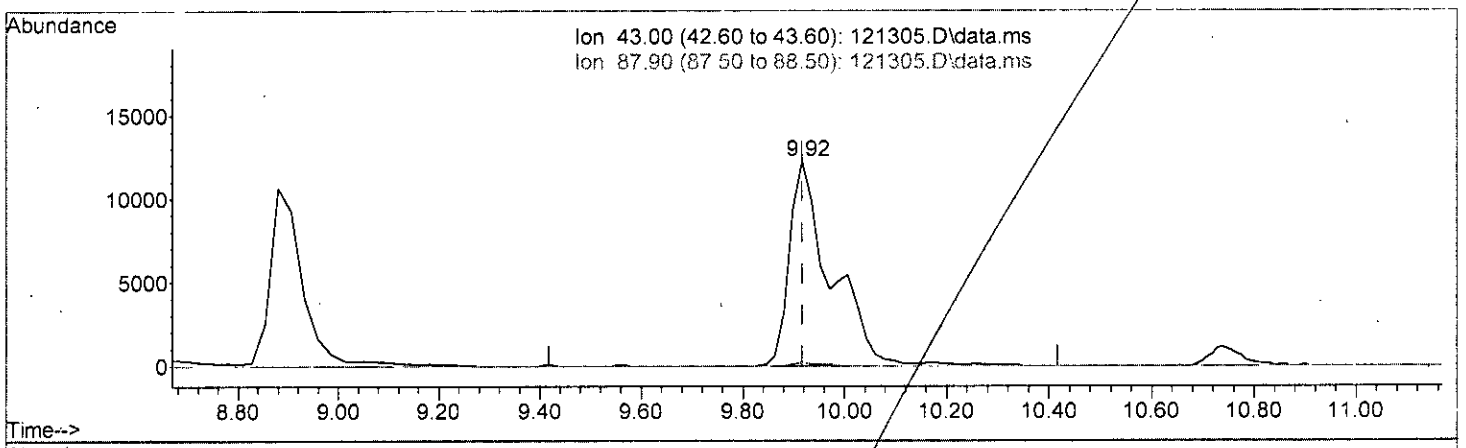
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	3.67
0.00	0.00	0.00
0.00	0.00	0.00

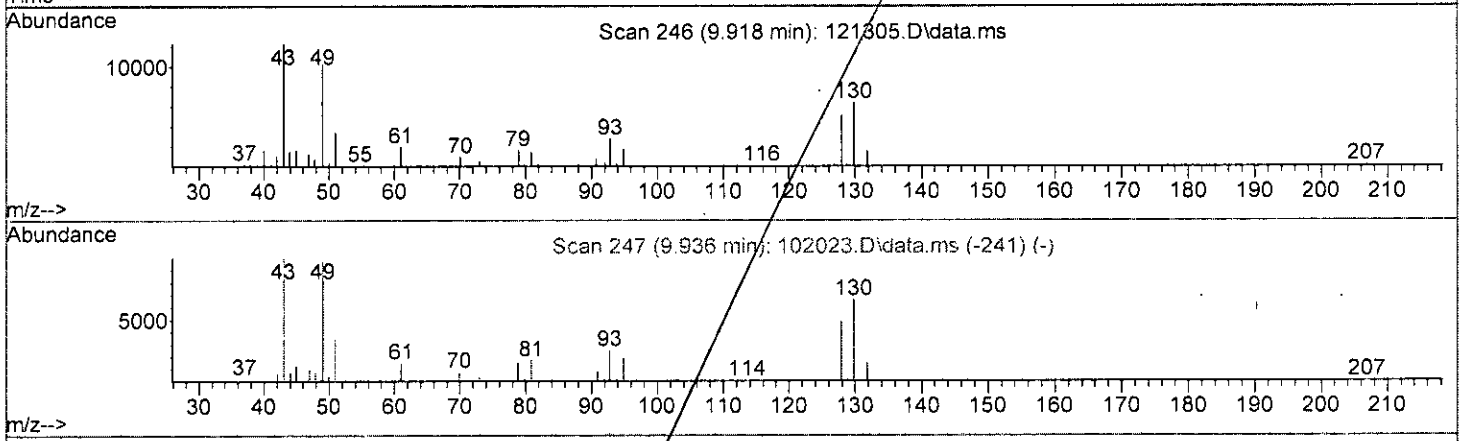
12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

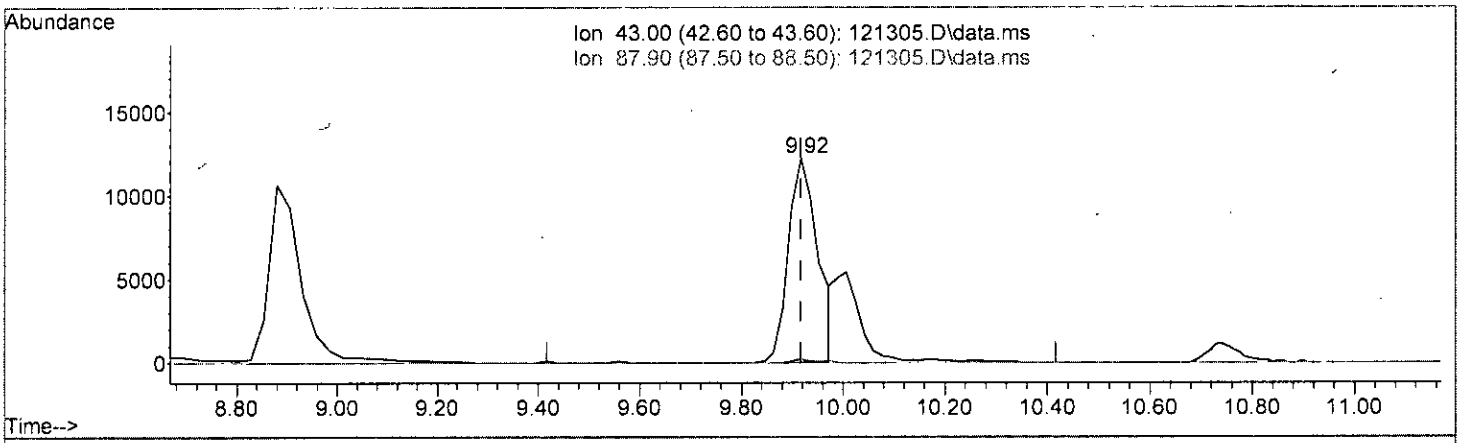
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.680 ppbv
response 67989

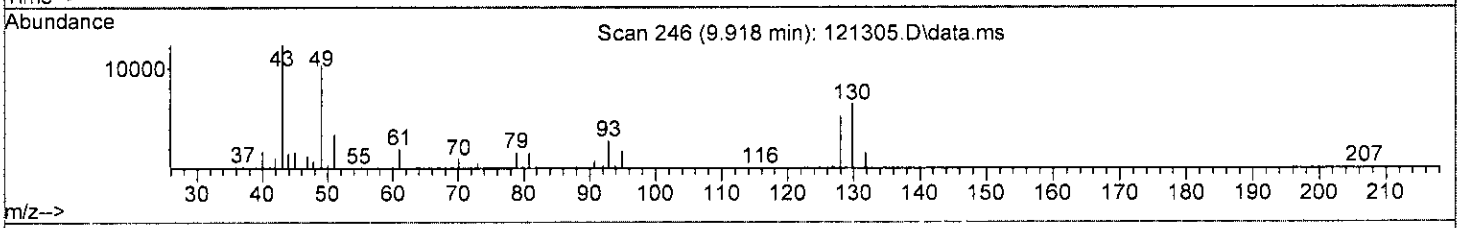
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.95#
0.00	0.00	0.00
0.00	0.00	0.00

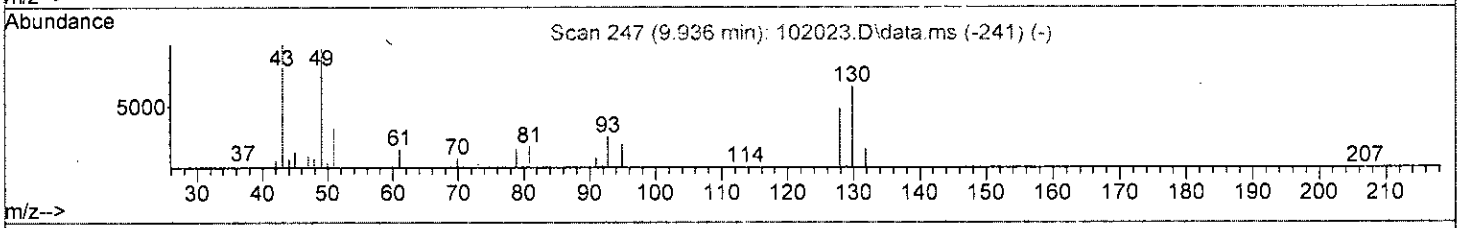
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(31) Ethyl acetate (TMP)
9.918min (-0.000) 2.660 ppbv m
response 49154

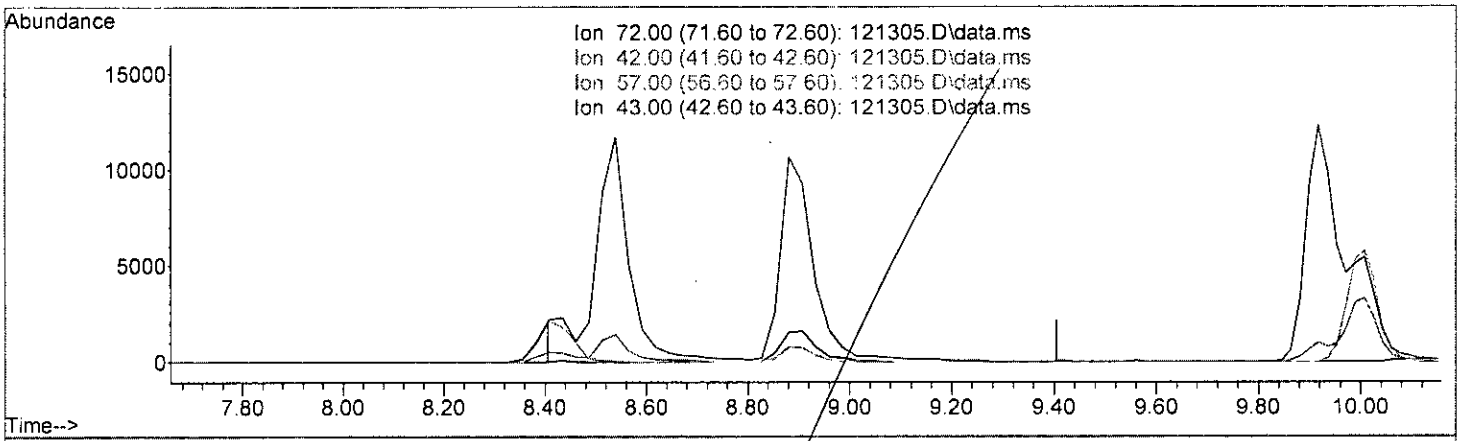
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.32#
0.00	0.00	0.00
0.00	0.00	0.00

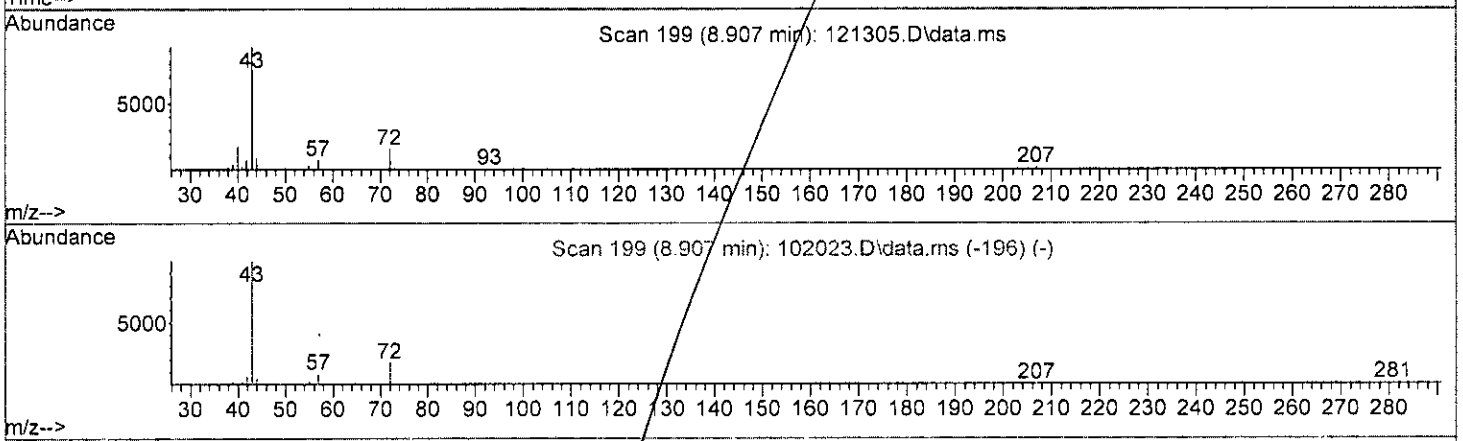
12/14/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

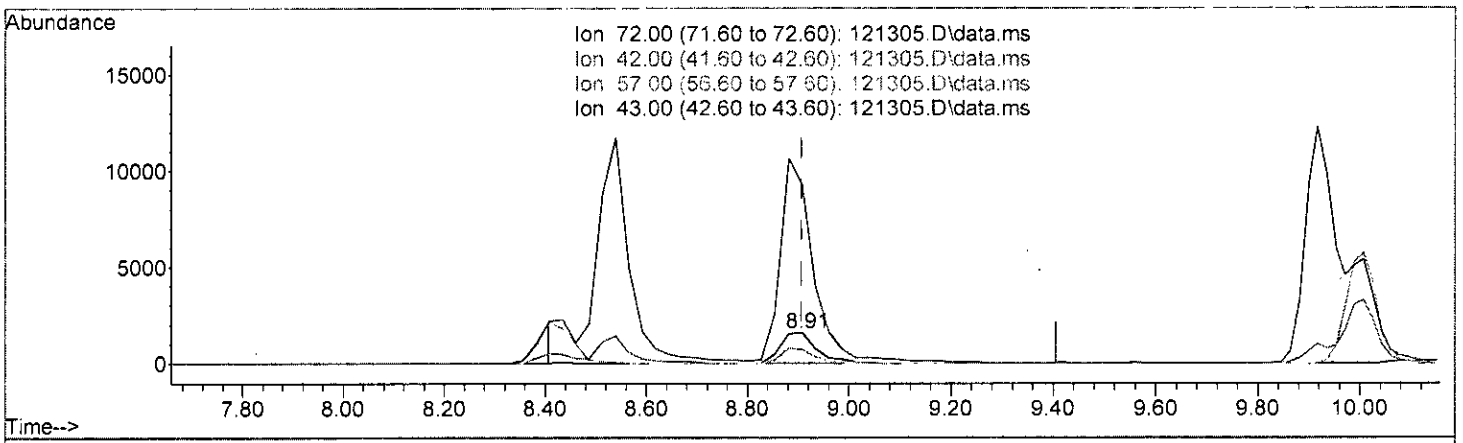
(33) 2-Butanone (MEK) (TMP)
8.907min 0.000 ppbv d
response 0

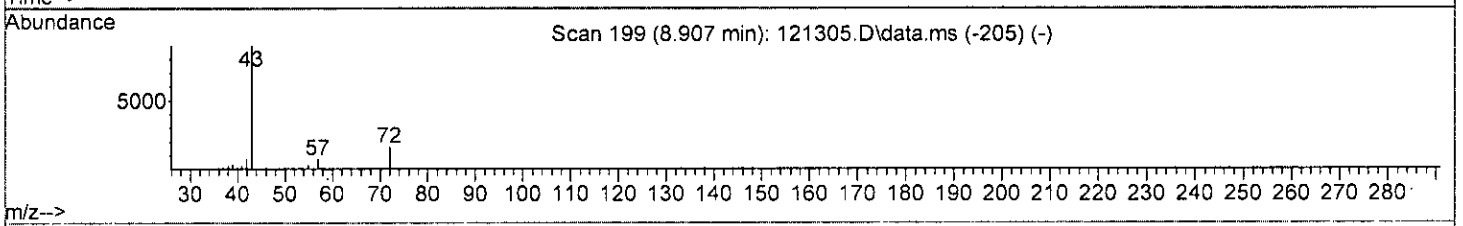
Ion	Exp%	Act%
72.00	100.00	0.00
42.00	29.90	0.00
57.00	44.20	0.00
43.00	521.60	0.00

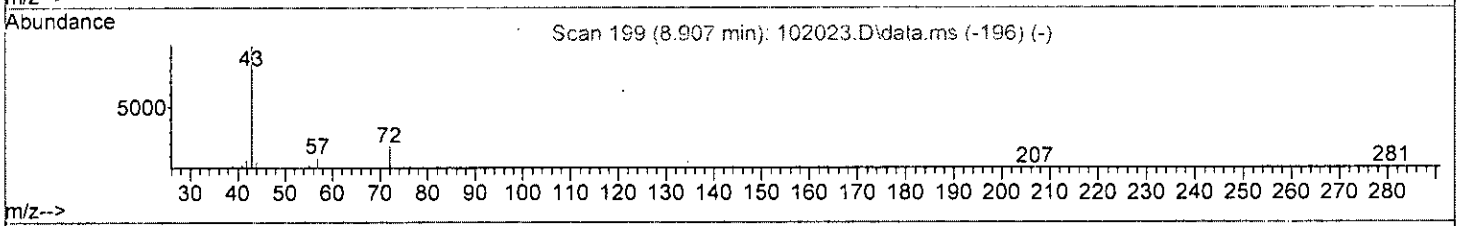
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

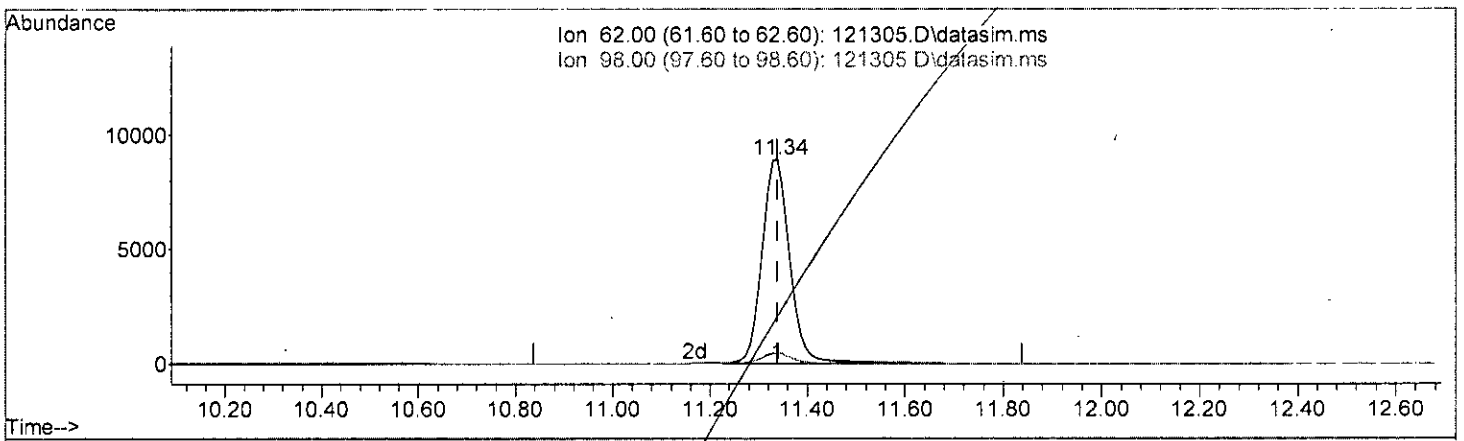
(33) 2-Butanone (MEK) (TMP)
8.907min (+ 0.000) 2.502 ppbv m
response 7553

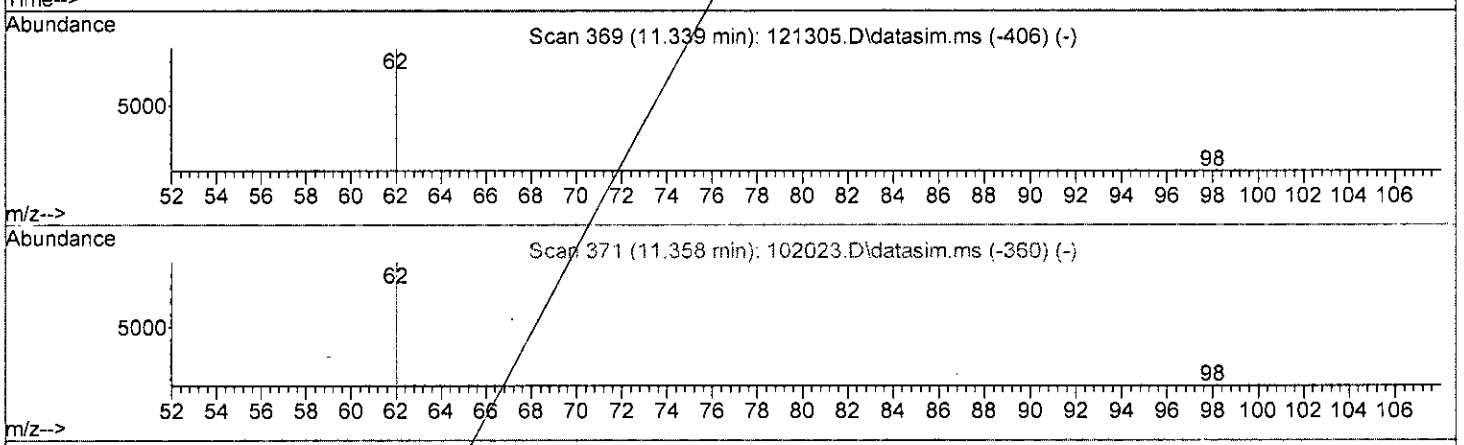
Ion	Exp%	Act%
72.00	100.00	100.00
42.00	29.90	46.12
57.00	44.20	46.12
43.00	521.60	587.60#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121305.D\data.ms

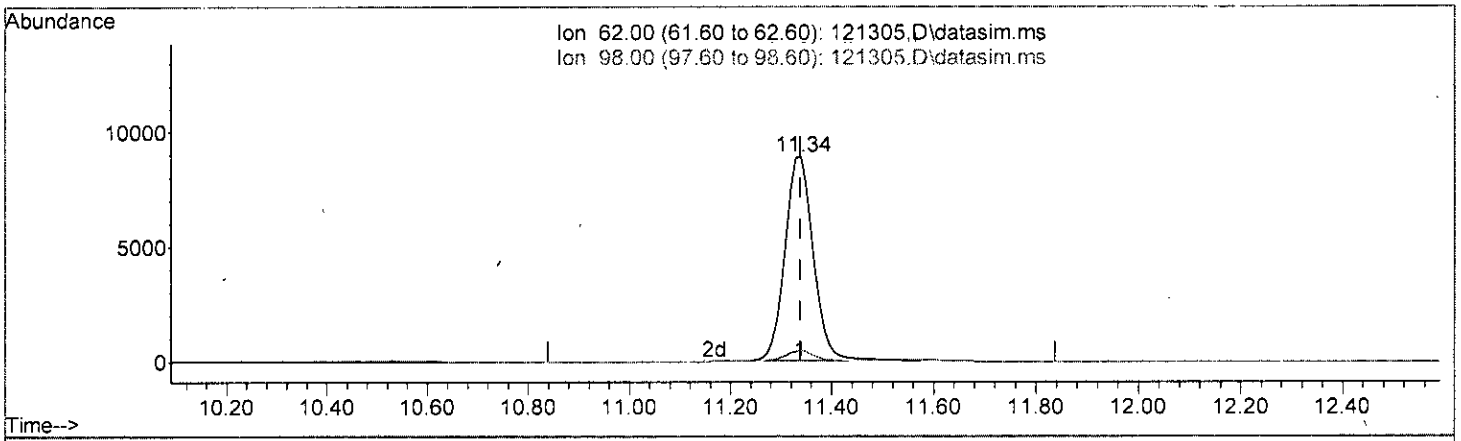
(34) 1,2-Dichloroethane (EDC) (TMP)
11.339min (+ 0.000) 2.874 ppbv
response 35848

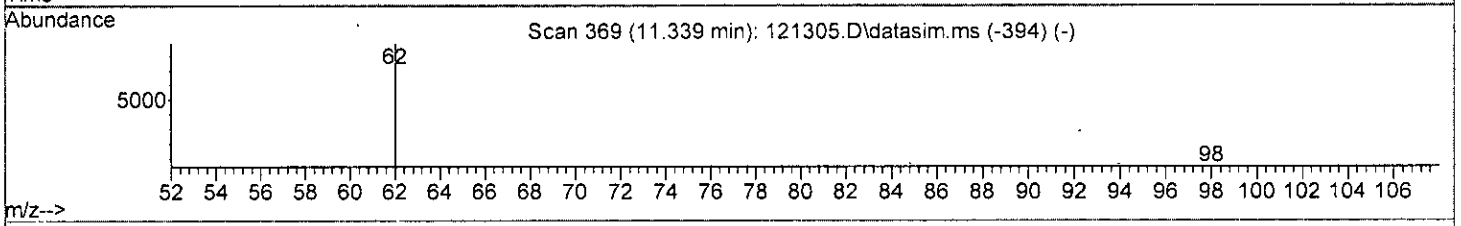
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.25
0.00	0.00	0.00
0.00	0.00	0.00

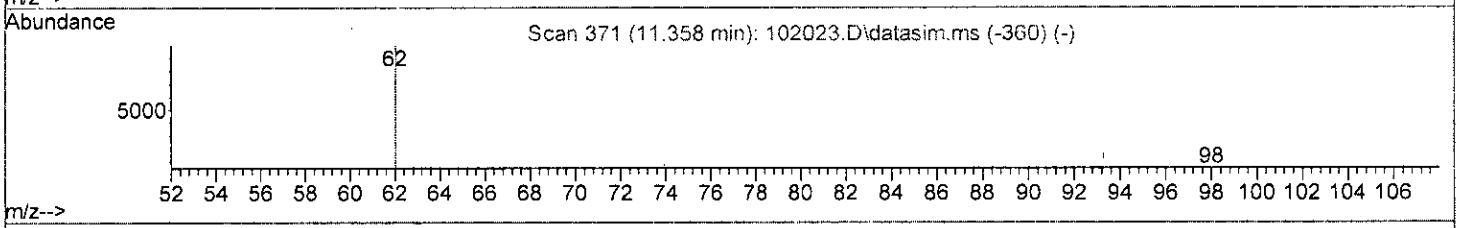
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121305.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.339min (+ 0.000) 2.738 ppbv m
response 34175

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	48772	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	210038	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	195417	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	139264	10.283	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	19633	3.050	ppbv		91
3) Dichlorodifluoromethane	3.48	85	54896	2.730	ppbv		97
4] Chloromethane	3.73	50	25235m	2.749	ppbv		
5) F-114	3.84	85	56858	2.764	ppbv		98
6] Vinyl chloride	4.09	62	22739	2.519	ppbv		98
7] 1,3-Butadiene	4.25	54	13669	2.305	ppbv	#	84
8) Butane	4.36	43	28189	2.648	ppbv		94
9) Bromomethane	4.60	94	22613	2.510	ppbv		95
10] Chloroethane	4.84	64	8796m	2.756	ppbv		
11] Vinyl bromide	5.30	106	22887	2.916	ppbv		99
12) Ethanol	4.96	45	6954	2.150	ppbv		94
13] Acrolein	5.41	56	7993m	2.248	ppbv		
14) Pentane	6.25	43	31121	2.593	ppbv		98
15) Trichlorofluoromethane	5.84	101	63824	2.737	ppbv		98
16) Acetone	5.53	58	8815	2.544	ppbv		97
17) 2-Propanol	5.78	45	36803	2.437	ppbv	#	95
18] 1,1-Dichloroethene	6.63	96	19473	2.427	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	18998	2.438	ppbv	#	82
20) Methylene chloride	6.80	84	19022	2.637	ppbv		96
21) t-Butyl alcohol (TBA)	6.57	59	34079	2.619	ppbv	#	69
22) 3-Chloropropene	6.94	41	29418	2.933	ppbv		94
23) CFC-113	7.15	101	45715	2.702	ppbv		96
24) Carbon disulfide	7.25	76	66403	2.635	ppbv		93
25) Methyl t-butyl ether (...	8.41	73	40452	2.415	ppbv		100
26) Vinyl acetate	8.54	43	48882m	2.637	ppbv		
27] 1,1-Dichloroethane	8.36	63	44085	2.704	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	19643	2.383	ppbv		98
29) Hexane	10.01	57	23806	2.360	ppbv		80
30] Chloroform	10.08	83	51461	2.749	ppbv		97
31) Ethyl acetate	9.92	43	49154m	2.660	ppbv		
32) Tetrahydrofuran	10.75	42	21568	2.444	ppbv		94
33) 2-Butanone (MEK)	8.91	72	7553m	2.502	ppbv		
34] 1,2-Dichloroethane (EDC)	11.34	62	34175m	2.738	ppbv		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35] 1,1,1-Trichloroethane	11.81	97	46080	2.826	ppbv		95
36] Carbon tetrachloride	12.86	117	47811	2.783	ppbv		96
37] Benzene	12.61	78	64922	2.542	ppbv		96
38) Cyclohexane	13.07	84	15411	2.312	ppbv		92
40] 1,2-Dichloropropane	13.80	63	31473	2.768	ppbv		96
41] 1,4-Dioxane	14.09	88	11723	2.424	ppbv		79
42) 2,2,4-Trimethylpentane	14.24	57	85543	2.548	ppbv	#	81
43) Methyl methacrylate	14.36	41	28082	2.755	ppbv		95
44) Heptane	14.56	43	35509	2.548	ppbv		98
45] Bromodichloromethane	14.04	83	53462	2.996	ppbv		99
46] Trichloroethene	14.14	95	32398	2.601	ppbv		92
47) cis-1,3-Dichloropropene	15.20	75	34170	2.717	ppbv		91
48) 4-Methyl-2-pentanone	15.23	100	2183	2.349	ppbv	#	5
49] trans-1,3-Dichloropropene	15.78	75	32347	2.735	ppbv		85
50] Toluene	16.31	92	37827	2.547	ppbv		98
51] 1,1,2-Trichloroethane	16.00	83	31415	2.910	ppbv		90
52) 2-Hexanone	16.56	43	50262	2.828	ppbv		92
53] Tetrachloroethene	17.52	164	27970	2.719	ppbv		93
54] Dibromochloromethane	16.76	129	52290	2.892	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	44020	2.762	ppbv		99
57) Chlorobenzene	18.19	112	55032	2.558	ppbv		98
58] Ethylbenzene	18.53	91	81617	2.334	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.11	83	72646	2.804	ppbv		91
60) Nonane	19.30	43	48913	2.552	ppbv		93
61) Isopropylbenzene	19.70	105	90352	2.580	ppbv		99
62) 2-Chlorotoluene	20.17	126	22023	2.515	ppbv		83
63) Propylbenzene	20.17	91	164519	2.557	ppbv		97
64) 4-Ethyltoluene	20.32	105	72136	2.291	ppbv		99
65] m,p-Xylene	18.70	106	58043	4.690	ppbv		96
66] o-Xylene	19.15	106	28807	2.398	ppbv		97
67) Styrene	19.05	104	36799	2.299	ppbv		97
68) Bromoform	18.80	173	55733	2.773	ppbv		99
70] Benzyl chloride	20.95	91	59748	2.638	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	72194	2.548	ppbv		93
72) 1,2,4-Trimethylbenzene	20.80	105	55400	2.125	ppbv		99
73] 1,3-Dichlorobenzene	20.98	146	51703	2.615	ppbv		98
74] 1,4-Dichlorobenzene	21.04	146	46775	2.528	ppbv		85
75] 1,2-Dichlorobenzene	21.41	146	52276	2.612	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	23941	1.974	ppbv		97
77] Naphthalene	23.84	128	29984	1.954	ppbv		97
78] Hexachlorobutadiene	24.44	225	53835	2.637	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

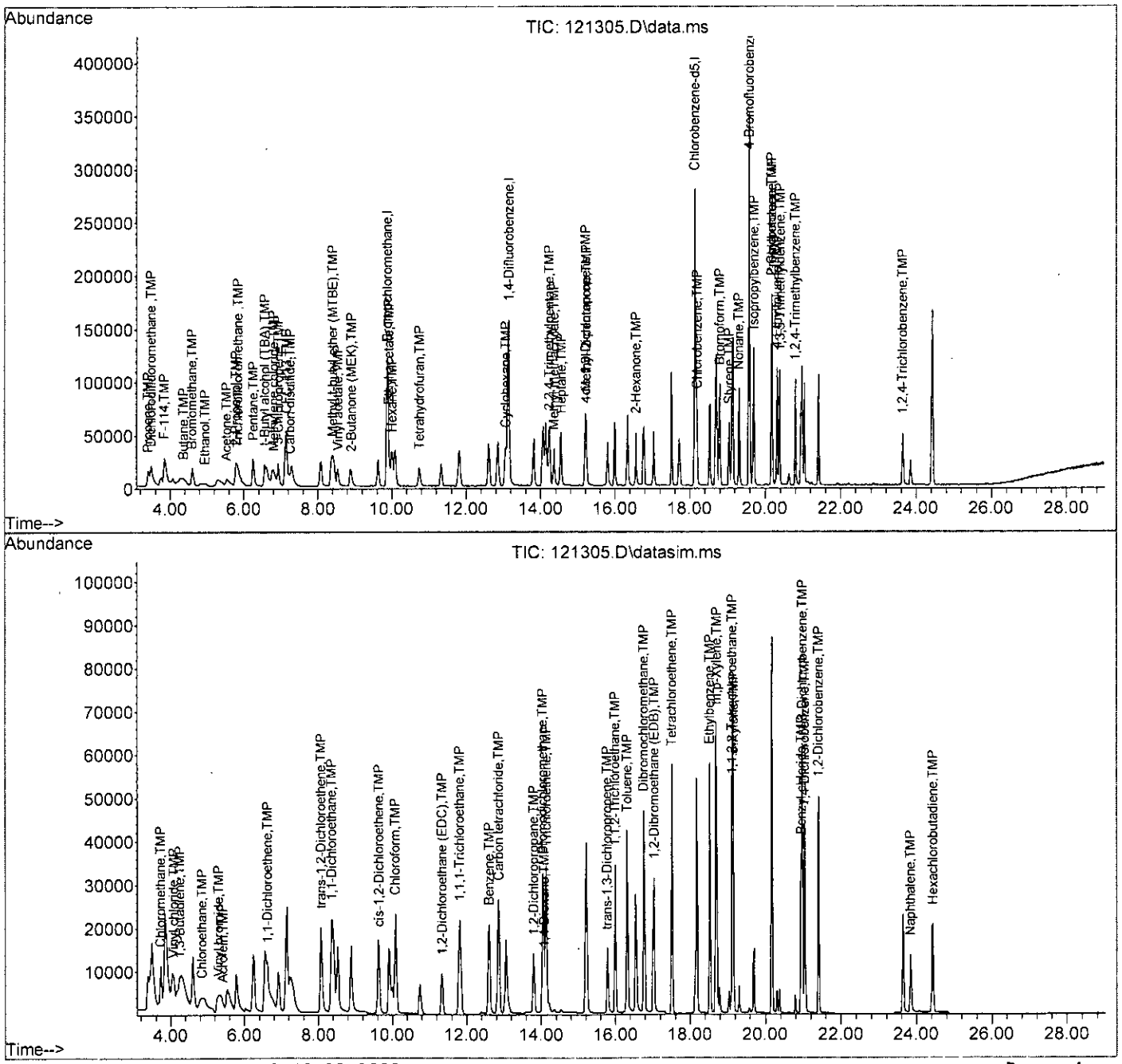
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	81	0.00
2	TMP	Propene	2.500	3.050	-22.0	92	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.730	-9.2	84	0.00
4	TMP	Chloromethane	2.500	2.749	-10.0	89	0.00
5	TMP	F-114	2.500	2.764	-10.6	90	-0.04
6	TMP	Vinyl chloride	2.500	2.519	-0.8	83	0.00
7	TMP	1,3-Butadiene	2.500	2.305	7.8	77	-0.04
8	TMP	Butane	2.500	2.648	-5.9	81	0.04
9	TMP	Bromomethane	2.500	2.510	-0.4	81	0.00
10	TMP	Chloroethane	2.500	2.756	-10.2	84	0.00
11	TMP	Vinyl bromide	2.500	2.916	-16.6	90	-0.02
12	TMP	Ethanol	2.500	2.150	14.0	64	0.00
13	TMP	Acrolein	2.500	2.248	10.1	81	0.00
14	TMP	Pentane	2.500	2.593	-3.7	79	0.00
15	TMP	Trichlorofluoromethane	2.500	2.737	-9.5	82	0.00
16	TMP	Acetone	2.500	2.544	-1.8	75	-0.04
17	TMP	2-Propanol	2.500	2.437	2.5	76	0.00
18	TMP	1,1-Dichloroethene	2.500	2.427	2.9	80	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.438	2.5	78	-0.03
20	TMP	Methylene chloride	2.500	2.637	-5.5	78	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.619	-4.8	86	0.00
22	TMP	3-Chloropropene	2.500	2.933	-17.3	94	0.00
23	TMP	CFC-113	2.500	2.702	-8.1	81	0.00
24	TMP	Carbon disulfide	2.500	2.635	-5.4	75	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.415	3.4	73	-0.03
26	TMP	Vinyl acetate	2.500	2.637	-5.5	80	0.00
27	TMP	1,1-Dichloroethane	2.500	2.704	-8.2	84	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.383	4.7	77	0.00
29	TMP	Hexane	2.500	2.360	5.6	75	0.00
30	TMP	Chloroform	2.500	2.749	-10.0	84	-0.02
31	TMP	Ethyl acetate	2.500	2.660	-6.4	84	0.00
32	TMP	Tetrahydrofuran	2.500	2.444	2.2	81	0.00
33	TMP	2-Butanone (MEK)	2.500	2.502	-0.1	75	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.738	-9.5	85	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.826	-13.0	83	-0.01
36	TMP	Carbon tetrachloride	2.500	2.783	-11.3	84	0.00
37	TMP	Benzene	2.500	2.542	-1.7	78	0.00
38	TMP	Cyclohexane	2.500	2.312	7.5	71	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	76	0.00
40	TMP	1,2-Dichloropropane	2.500	2.768	-10.7	82	0.00
41	TMP	1,4-Dioxane	2.500	2.424	3.0	77	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.548	-1.9	74	0.00
43	TMP	Methyl methacrylate	2.500	2.755	-10.2	77	0.00
44	TMP	Heptane	2.500	2.548	-1.9	74	0.00
45	TMP	Bromodichloromethane	2.500	2.996	-19.8	84	0.00
46	TMP	Trichloroethene	2.500	2.601	-4.0	81	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.717	-8.7	75	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.349	6.0	69	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.735	-9.4	77	0.00
50	TMP	Toluene	2.500	2.547	-1.9	74	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.910	-16.4	83	0.00
52	TMP	2-Hexanone	2.500	2.828	-13.1	84	0.00
53	TMP	Tetrachloroethene	2.500	2.719	-8.8	79	0.00
54	TMP	Dibromochloromethane	2.500	2.892	-15.7	83	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.762	-10.5	79	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	80	0.00
57	TMP	Chlorobenzene	2.500	2.558	-2.3	79	0.00
58	TMP	Ethylbenzene	2.500	2.334	6.6	71	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.804	-12.2	84	-0.02
60	TMP	Nonane	2.500	2.552	-2.1	76	0.00
61	TMP	Isopropylbenzene	2.500	2.580	-3.2	74	0.00
62	TMP	2-Chlorotoluene	2.500	2.515	-0.6	74	0.00
63	TMP	Propylbenzene	2.500	2.557	-2.3	73	-0.01
64	TMP	4-Ethyltoluene	2.500	2.291	8.4	71	0.00
65	TMP	m,p-Xylene	5.000	4.690	6.2	71	0.00
66	TMP	o-Xylene	2.500	2.398	4.1	72	0.00
67	TMP	Styrene	2.500	2.299	8.0	70	0.00
68	TMP	Bromoform	2.500	2.773	-10.9	83	0.00
69	S	4-Bromofluorobenzene	10.000	10.283	-2.8	77	0.00
70	TMP	Benzyl chloride	2.500	2.638	-5.5	80	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.548	-1.9	72	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.125	15.0	67	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.615	-4.6	77	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.528	-1.1	76	-0.01
75	TMP	1,2-Dichlorobenzene	2.500	2.612	-4.5	77	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	1.974	21.0	72	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
77 TMP	Naphthalene	2.500	1.954	21.8	69	0.00
78 TMP	Hexachlorobutadiene	2.500	2.637	-5.5	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	81	0.00
2	TMP	Propene	1.556	1.610	-3.5	92	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.502	-9.2	84	0.00
4	TMP	Chloromethane	1.882	2.070	-10.0	89	0.00
5	TMP	F-114	4.217	4.663	-10.6	90	-0.04
6	TMP	Vinyl chloride	1.851	1.865	-0.8	83	0.00
7	TMP	1,3-Butadiene	1.216	1.121	7.8	77	-0.04
8	TMP	Butane	2.183	2.312	-5.9	81	0.04
9	TMP	Bromomethane	1.847	1.855	-0.4	81	0.00
10	TMP	Chloroethane	0.655	0.721	-10.1	84	0.00
11	TMP	Vinyl bromide	1.609	1.877	-16.7	90	-0.02
12	TMP	Ethanol	0.663	0.570	14.0	64	0.00
13	TMP	Acrolein	0.729	0.656	10.0	81	0.00
14	TMP	Pentane	2.461	2.552	-3.7	79	0.00
15	TMP	Trichlorofluoromethane	4.781	5.234	-9.5	82	0.00
16	TMP	Acetone	0.710	0.723	-1.8	75	-0.04
17	TMP	2-Propanol	3.096	3.018	2.5	76	0.00
18	TMP	1,1-Dichloroethene	1.645	1.597	2.9	80	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.558	2.5	78	-0.03
20	TMP	Methylene chloride	1.479	1.560	-5.5	78	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.795	-4.8	86	0.00
22	TMP	3-Chloropropene	2.056	2.413	-17.4	94	0.00
23	TMP	CFC-113	3.469	3.749	-8.1	81	0.00
24	TMP	Carbon disulfide	5.167	5.446	-5.4	75	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.318	3.4	73	-0.03
26	TMP	Vinyl acetate	3.801	4.009	-5.5	80	0.00
27	TMP	1,1-Dichloroethane	3.342	3.616	-8.2	84	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.611	4.7	77	0.00
29	TMP	Hexane	2.068	1.952	5.6	75	0.00
30	TMP	Chloroform	4.060	4.221	-4.0	84	-0.02
31	TMP	Ethyl acetate	3.789	4.031	-6.4	84	0.00
32	TMP	Tetrahydrofuran	1.809	1.769	2.2	81	0.00
33	TMP	2-Butanone (MEK)	0.619	0.619	0.0	75	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.803	-4.3	85	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.779	-13.0	83	-0.01
36	TMP	Carbon tetrachloride	3.523	3.921	-11.3	84	0.00
37	TMP	Benzene	5.688	5.325	6.4	78	0.00
38	TMP	Cyclohexane	1.367	1.264	7.5	71	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121305.D
Acq On : 13 Dec 2022 3:24 pm
Operator : bat
Sample : 02-2958 lcs/ 2.5 ppbv 67-196a rr
Misc : Cal line
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:55:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

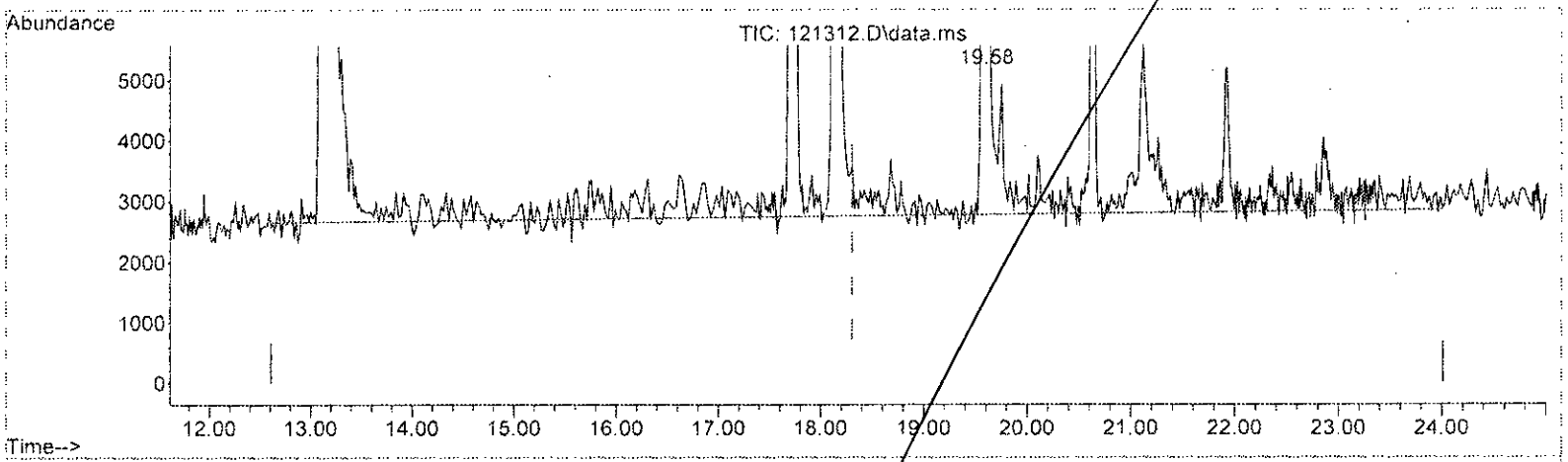
Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

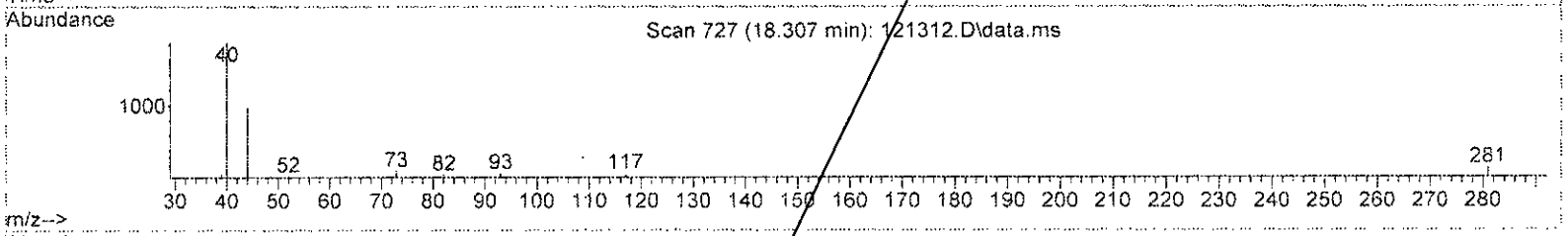
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	76	0.00
40	TMP	1,2-Dichloropropane	0.541	0.599	-10.7	82	0.00
41	TMP	1,4-Dioxane	0.230	0.223	3.0	77	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.629	-1.9	74	0.00
43	TMP	Methyl methacrylate	0.485	0.535	-10.3	77	0.00
44	TMP	Heptane	0.663	0.676	-2.0	74	0.00
45	TMP	Bromodichloromethane	0.850	1.018	-19.8	84	0.00
46	TMP	Trichloroethene	0.593	0.617	-4.0	81	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.651	-8.7	75	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.042	4.5	69	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.616	-9.4	77	0.00
50	TMP	Toluene	0.707	0.720	-1.8	74	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.598	-8.7	83	0.00
52	TMP	2-Hexanone	0.846	0.957	-13.1	84	0.00
53	TMP	Tetrachloroethene	0.490	0.533	-8.8	79	0.00
54	TMP	Dibromochloromethane	0.861	0.996	-15.7	83	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.838	-1.7	79	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	80	0.00
57	TMP	Chlorobenzene	1.101	1.126	-2.3	79	0.00
58	TMP	Ethylbenzene	1.968	1.671	15.1	71	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.487	-6.7	84	-0.02
60	TMP	Nonane	0.981	1.001	-2.0	76	0.00
61	TMP	Isopropylbenzene	1.792	1.849	-3.2	74	0.00
62	TMP	2-Chlorotoluene	0.448	0.451	-0.7	74	0.00
63	TMP	Propylbenzene	3.292	3.368	-2.3	73	-0.01
64	TMP	4-Ethyltoluene	1.611	1.477	8.3	71	0.00
65	TMP	m,p-Xylene	0.633	0.594	6.2	71	0.00
66	TMP	o-Xylene	0.615	0.590	4.1	72	0.00
67	TMP	Styrene	0.819	0.753	8.1	70	0.00
68	TMP	Bromoform	1.028	1.141	-11.0	83	0.00
69	S	4-Bromofluorobenzene	0.693	0.713	-2.9	77	0.00
70	TMP	Benzyl chloride	0.987	1.223	-23.9	80	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.478	-1.9	72	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.134	9.1	67	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.058	-4.5	77	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.957	-1.1	76	-0.01
75	TMP	1,2-Dichlorobenzene	1.024	1.070	-4.5	77	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.490	21.7	72	0.00

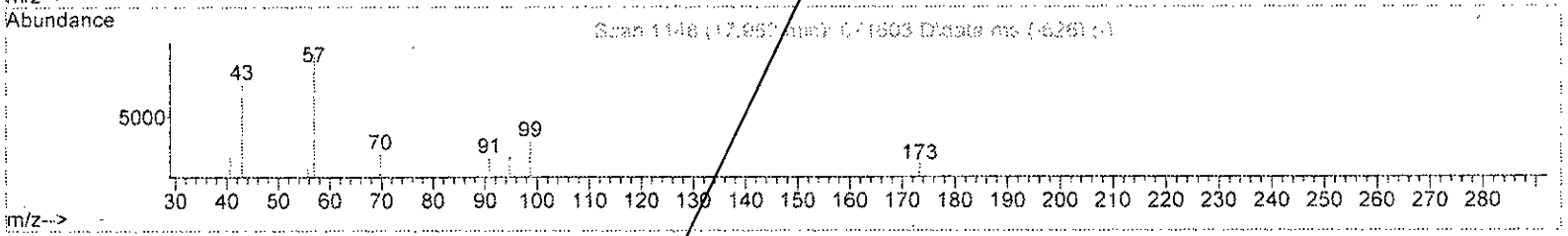
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:10:55 2022
Quant Method : D:\GCMS7 Methods\1213GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Wed Dec 14 20:57:10 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121312.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 5.532 ppbv m

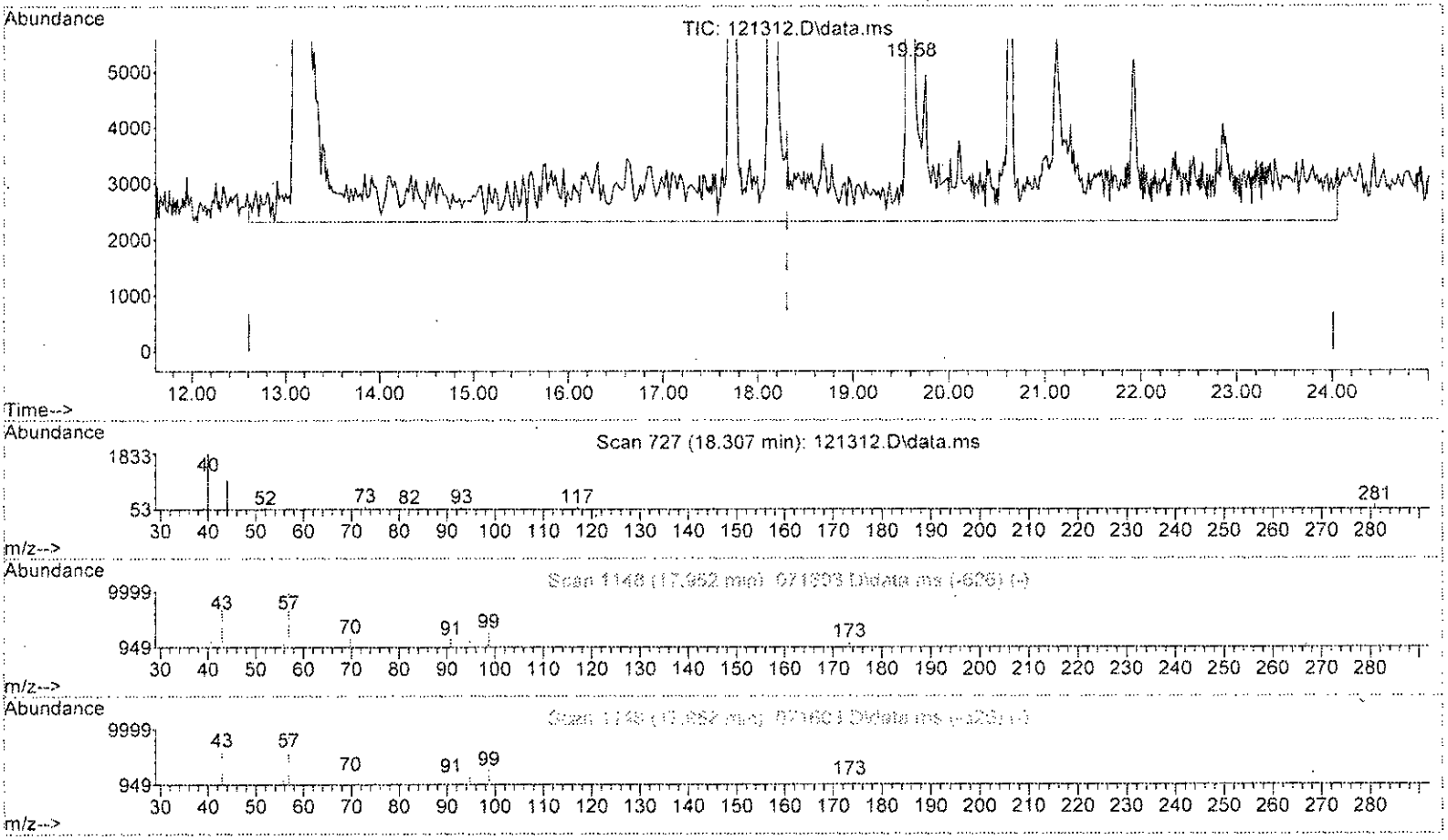
response 151747

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:10:55 2022
Quant Method : D:\GCMS7 Methods\1213GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Wed Dec 14 20:57:10 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 75.402 ppbv m

response 2068133

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/14/22

Area Percent Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\GCMS7 Methods\1213GAS80silox7.M
Title : TO-15 method

Signal : TIC: 121312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.278	130	139	147	rBV	17161	77881	13.42%	3.373%
2	9.864	236	243	258	rBV	106701	394439	67.97%	17.083%
3	13.142	486	493	517	rBV	128294	552811	95.26%	23.942%
4	17.716	688	694	704	rVB	53641	148042	25.51%	6.412%
5	18.130	713	718	730	rBV	220437	580289	100.00%	25.132%
6	19.578	787	792	799	rBV	235172	524034	90.31%	22.696%
7	20.638	847	856	863	rBV	10739	31462	5.42%	1.363%

Sum of corrected areas: 2308958

Signal : TIC: 121312.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.513	64	67	78	rBV3	904	4901	43.22%	12.099%
2	5.767	78	80	91	rVB3	174	844	7.44%	2.084%
3	6.021	91	92	96	rBV3	223	2006	17.69%	4.952%
4	6.574	110	112	116	rVB2	232	858	7.57%	2.118%
5	7.284	134	139	146	rVB	588	3238	28.56%	7.994%
6	12.397	449	451	460	rBV2	353	3699	32.62%	9.132%
7	13.130	488	492	511	rBV	1965	8210	72.40%	20.268%
8	13.577	515	516	518	rBV	203	1030	9.08%	2.543%
9	17.709	690	693	704	rVB	209	647	5.71%	1.597%
10	17.921	706	707	708	rBV	224	694	6.12%	1.713%
11	18.136	715	718	727	rBV	4284	11339	100.00%	27.993%
12	19.584	789	792	796	rBV	756	1994	17.59%	4.923%
13	23.437	1138	1139	1140	rBV	402	1047	9.23%	2.585%

Sum of corrected areas: 40507

Area Percent Report

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\GCMS7 Methods\1213GAS80silox7.M
Title : TO-15 method

Signal : TIC: 121312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.278	130	139	147	rBV	17161	77881	13.42%	3.373%
2	9.864	236	243	258	rBV	106701	394439	67.97%	17.083%
3	13.142	486	493	517	rBV	128294 b	552811	95.26%	23.942%
4	17.716	688	694	704	rVB	53641 e	148042	25.51%	6.412%
5	18.130	713	718	730	rBV	220437 c	580289	100.00%	25.132%
6	19.578	787	792	799	rBV	235172 d	524034	90.31%	22.696%
7	20.638	847	856	863	rBV	10739 f	31462	5.42%	1.363%

Sum of corrected areas: 2308958

Signal : TIC: 121312.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.513	64	67	78	rBV3	904	4901	43.22%	12.099%
2	5.767	78	80	91	rVB3	174	844	7.44%	2.084%
3	6.021	91	92	96	rBV3	223	2006	17.69%	4.952%
4	6.574	110	112	116	rVB2	232	858	7.57%	2.118%
5	7.284	134	139	146	rVB	588	3238	28.56%	7.994%
6	12.397	449	451	460	rBV2	353	3699	32.62%	9.132%
7	13.130	488	492	511	rBV	1965	8210	72.40%	20.268%
8	13.577	515	516	518	rBV	203	1030	9.08%	2.543%
9	17.709	690	693	704	rVB	209	647	5.71%	1.597%
10	17.921	706	707	708	rBV	224	694	6.12%	1.713%
11	18.136	715	718	727	rBV	4284	11339	100.00%	27.993%
12	19.584	789	792	796	rBV	756	1994	17.59%	4.923%
13	23.437	1138	1139	1140	rBV	402	1047	9.23%	2.585%

Sum of corrected areas: 40507

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:10:55 2022
Quant Method : D:\GCMS7 Methods\1213GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Wed Dec 14 20:57:10 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47986	10.000	ppbv	#-0.02
2) 1,4-Difluorobenzene	13.14	114	191662	10.000	ppbv	0.00
3) Chlorobenzene-d5	18.13	117	178213	10.000	ppbv	0.00
System Monitoring Compounds						
4) 4-Bromofluorobenzene	19.58	95	104426	9.258	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.60%			
Target Compounds						Qvalue
5) NWTPH-Gx	18.31	TIC	2068133m	75.402	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

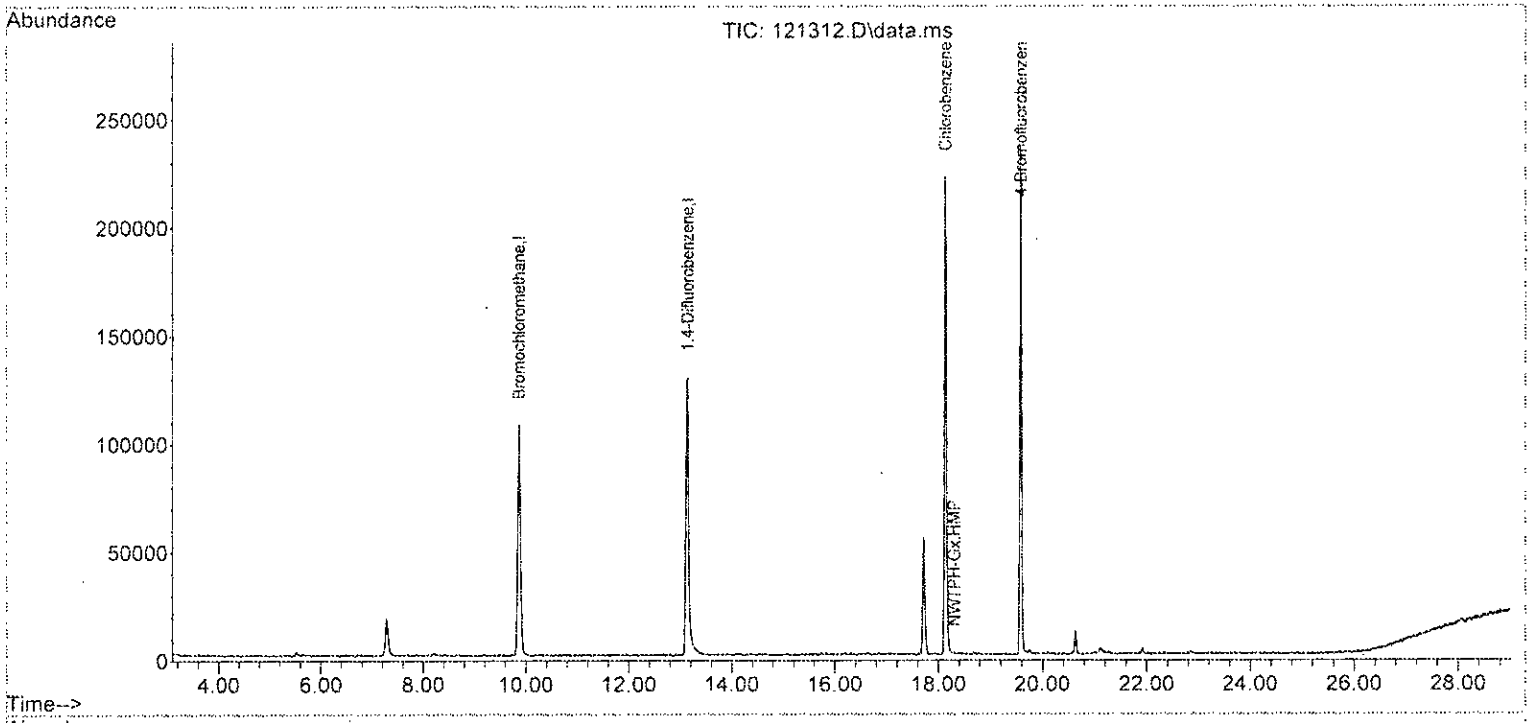
280 ppbv ✓

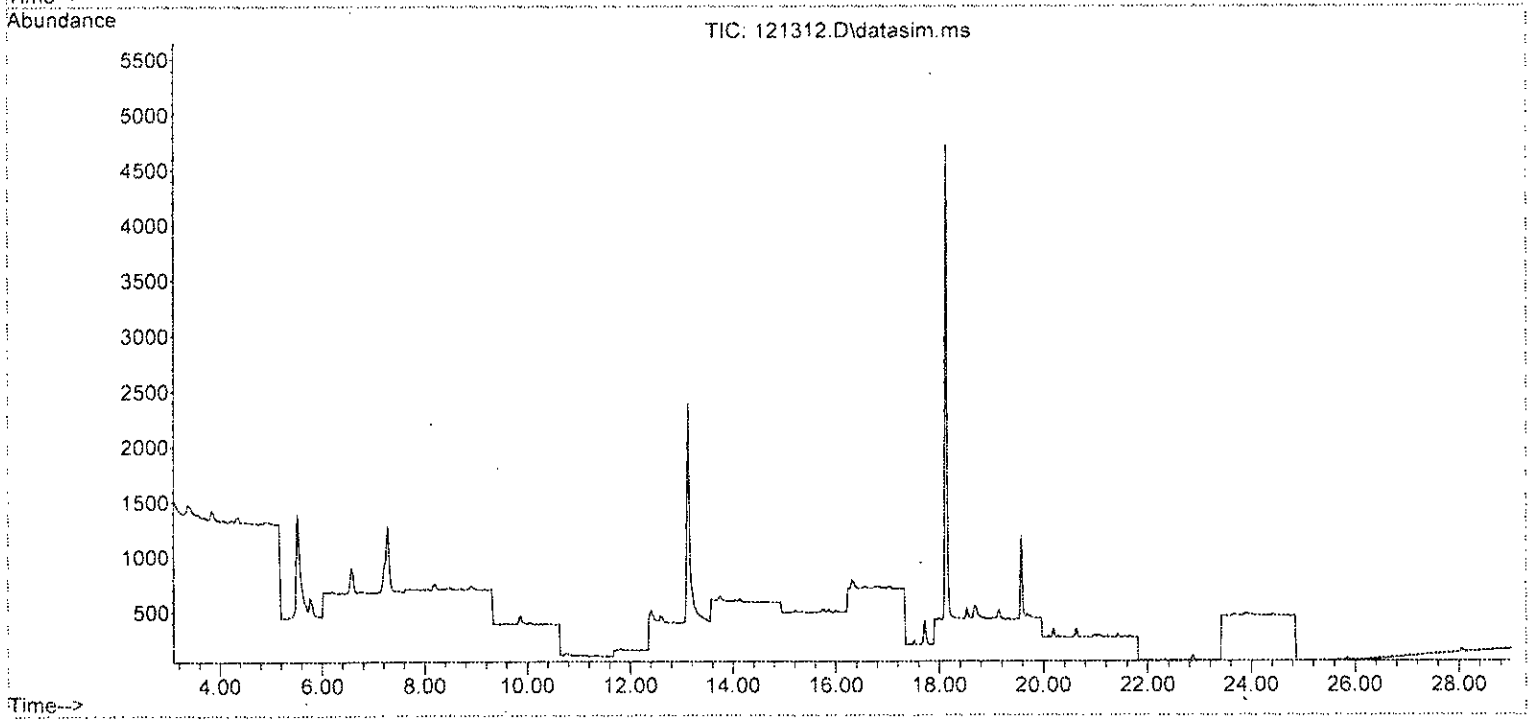
12/14/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

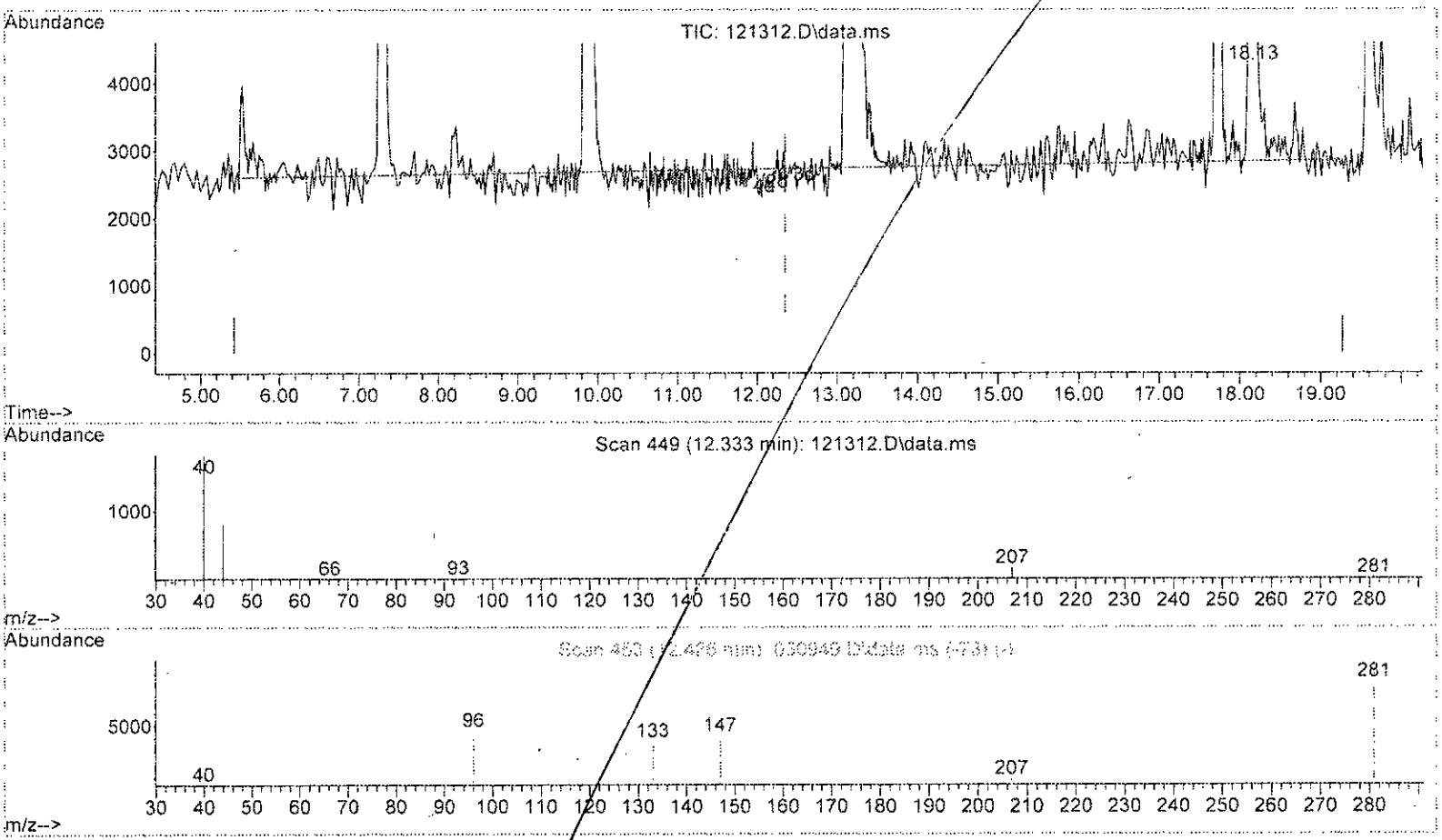
Quant Time: Dec 14 21:10:55 2022
Quant Method : D:\GCMS7 Methods\1213GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Wed Dec 14 20:57:10 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 24.830 ug/m3 m

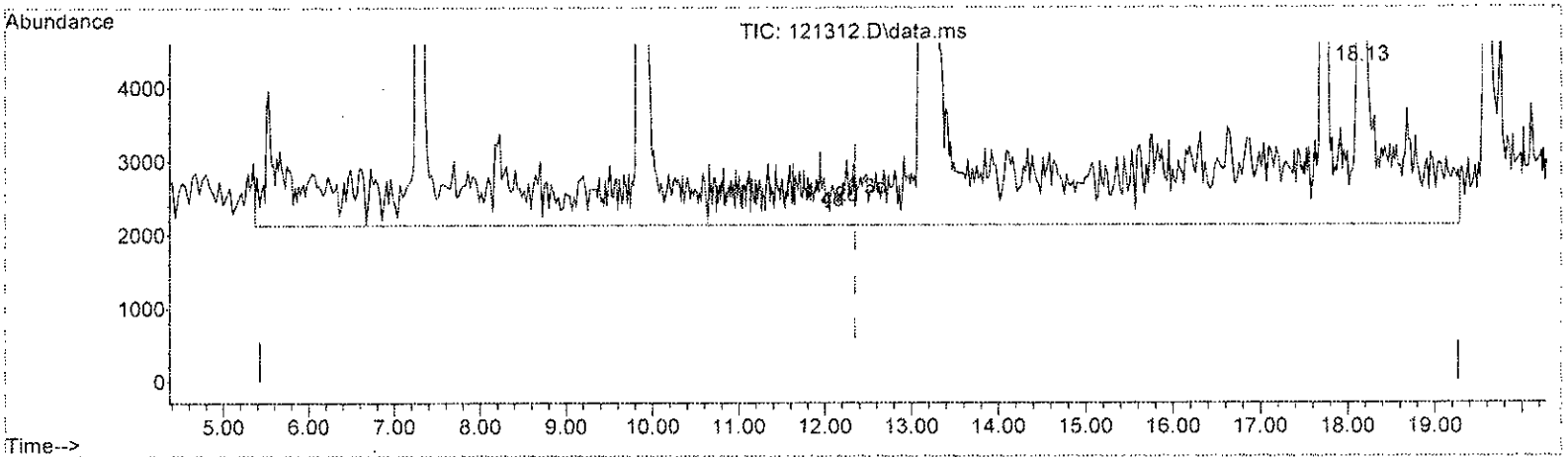
response 339128

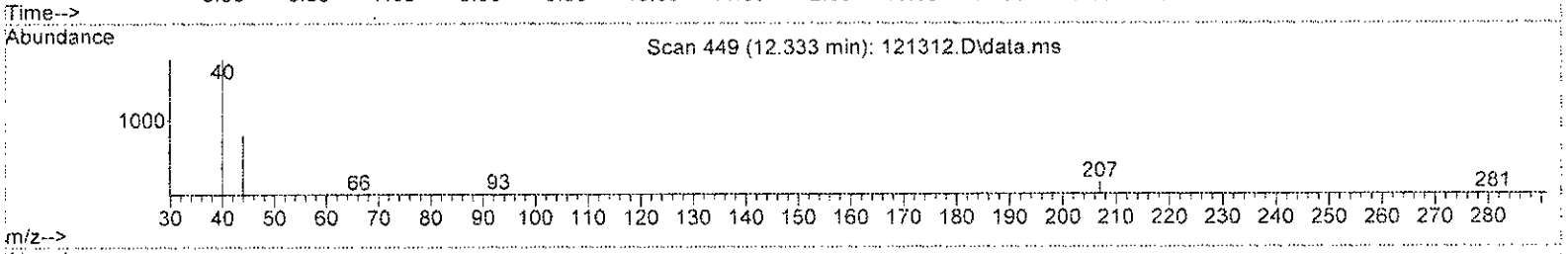
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

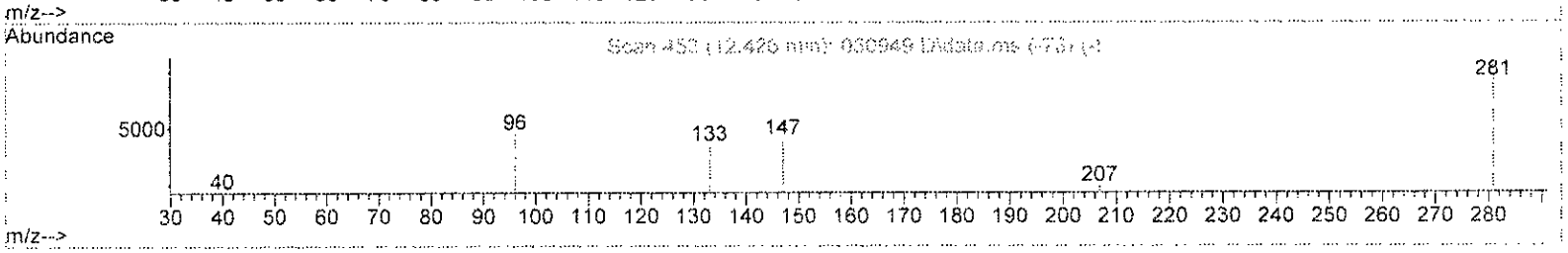
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121312.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 170.290 ug/m3 m

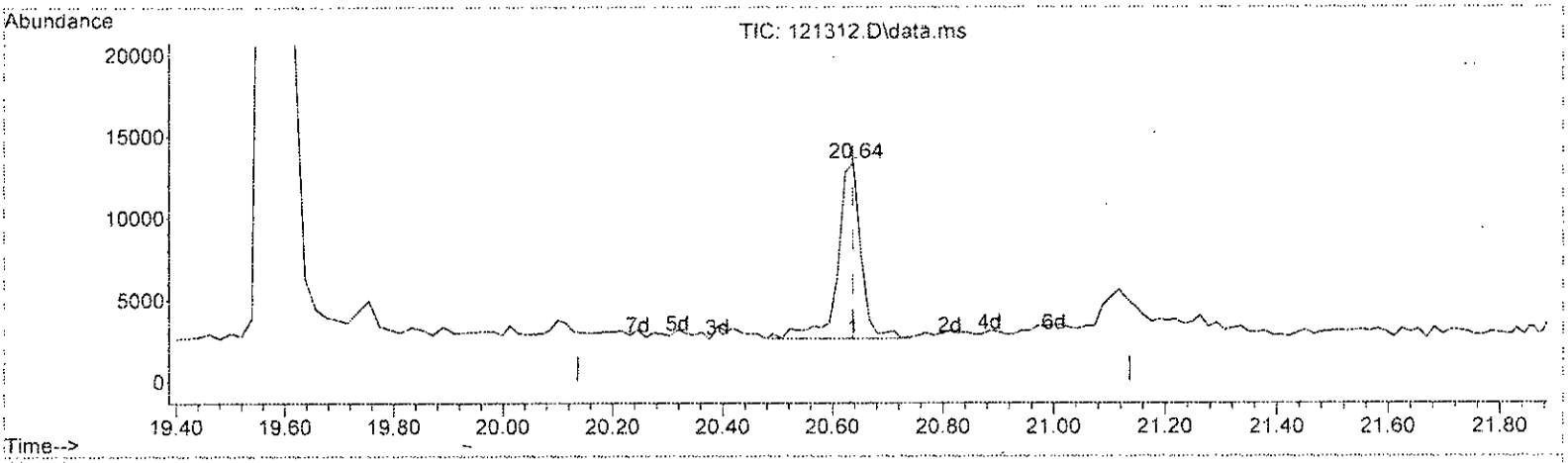
response 2325818

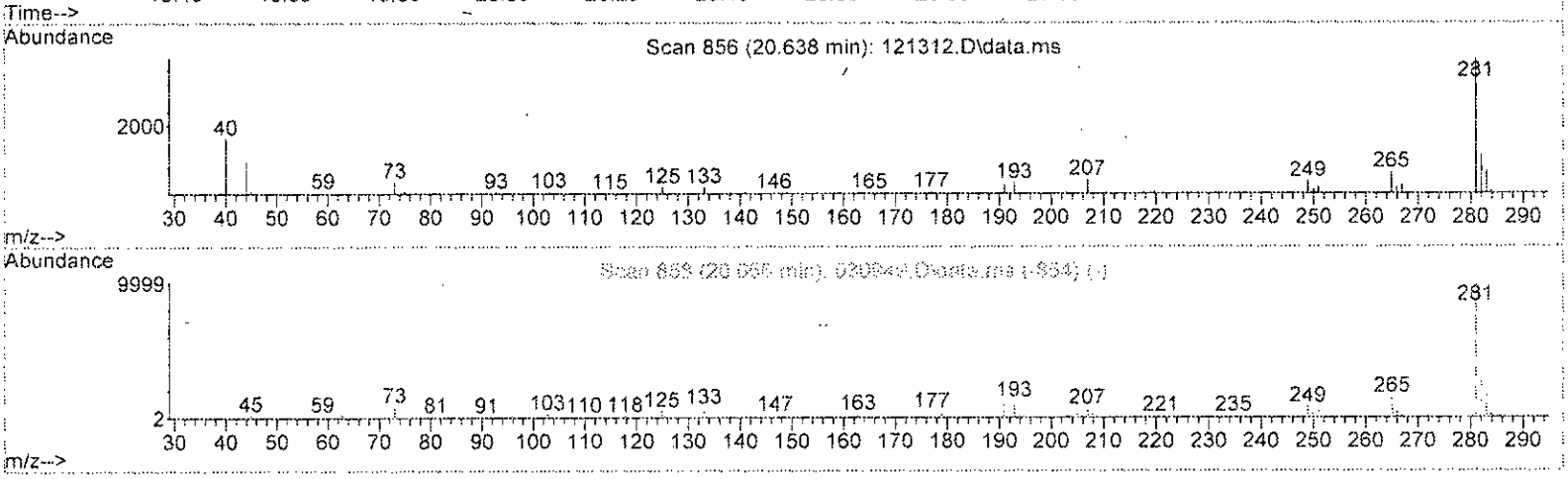
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121312.D\data.ms

(23) Octamethylcyclotetrasiloxane

20.638min (+ 0.001) 41.782 ppbv

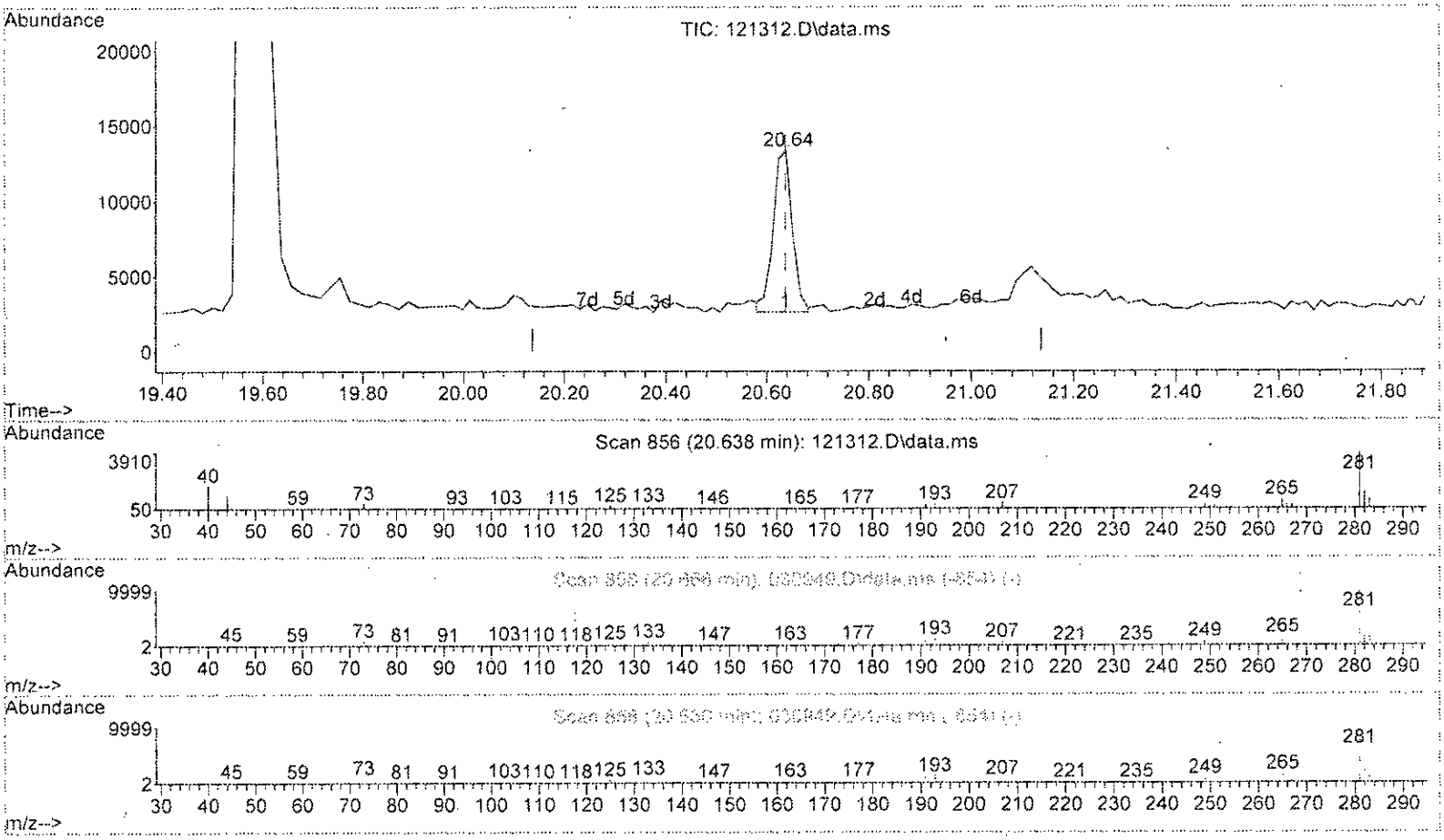
response 31544

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(23) Octamethylcyclotetrasiloxane

20.638min (+ 0.001) 36.723 ppbv m

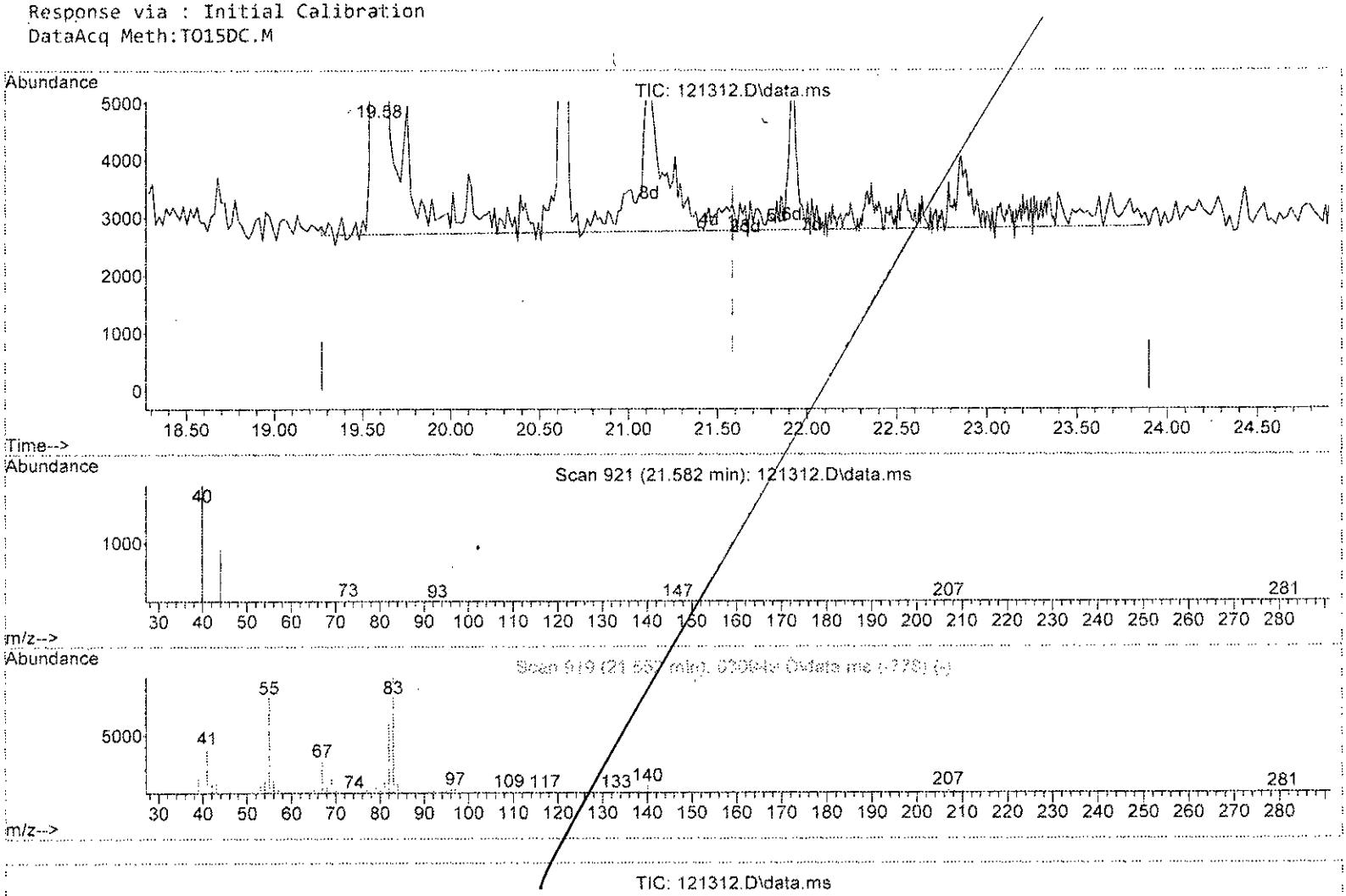
response 27724

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

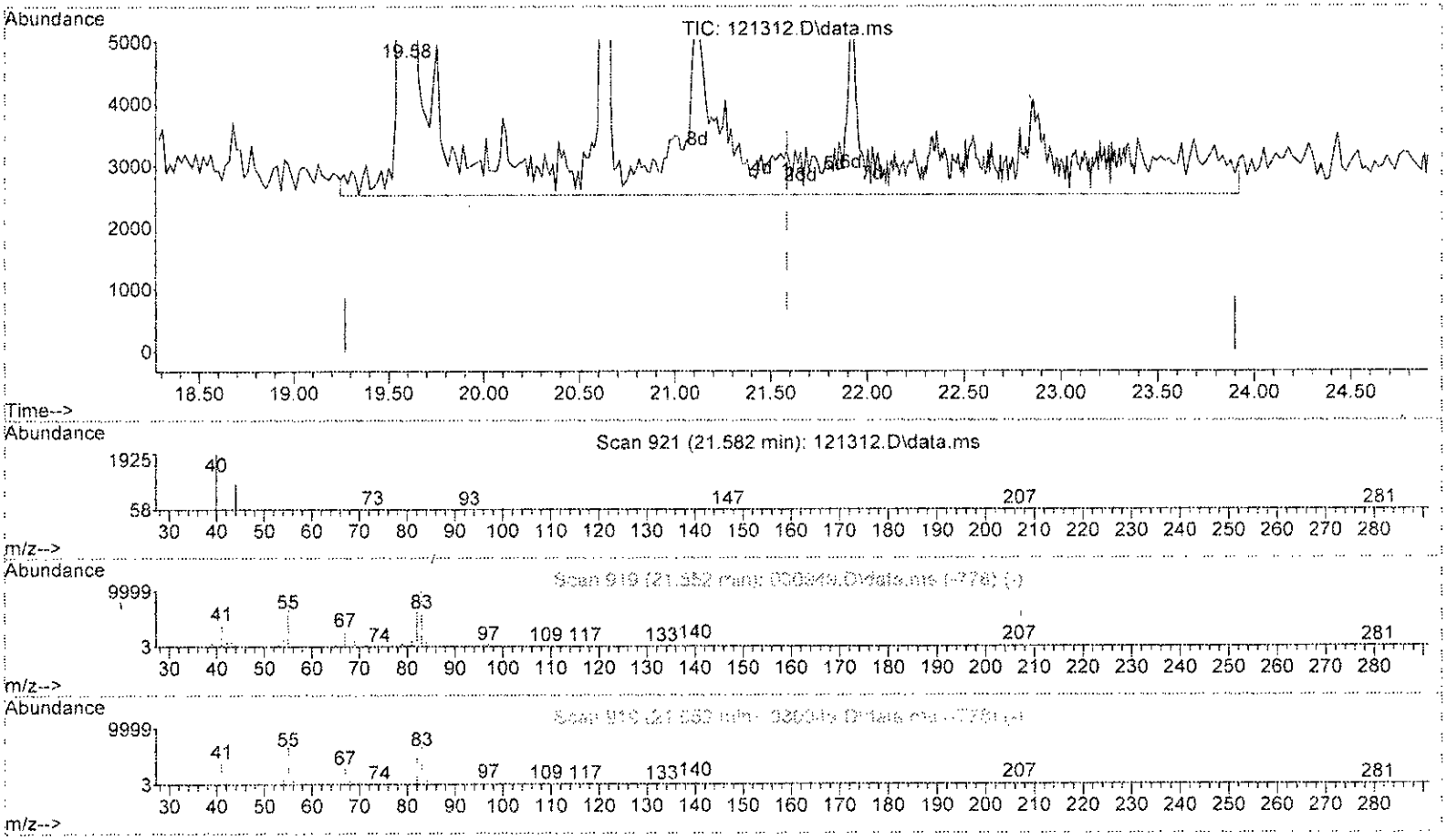
(36) APH EC9-12 aliphatics (H)
21.585min (0.000) -4.823 ug/m3 m
response -73716

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 33.766 ug/m3 m

response 516132

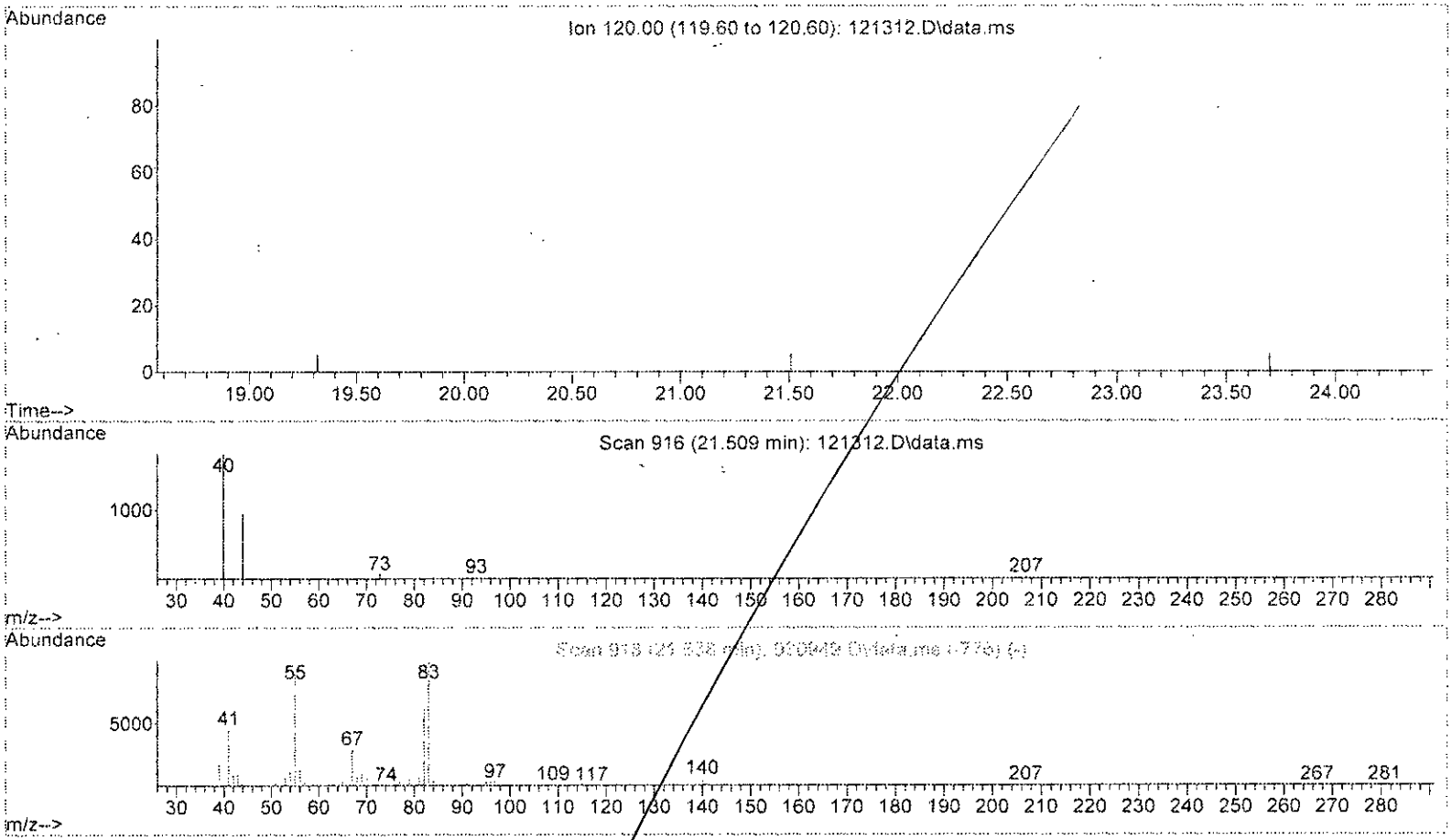
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/15/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) -242.823 ug/m3 m

response -516619

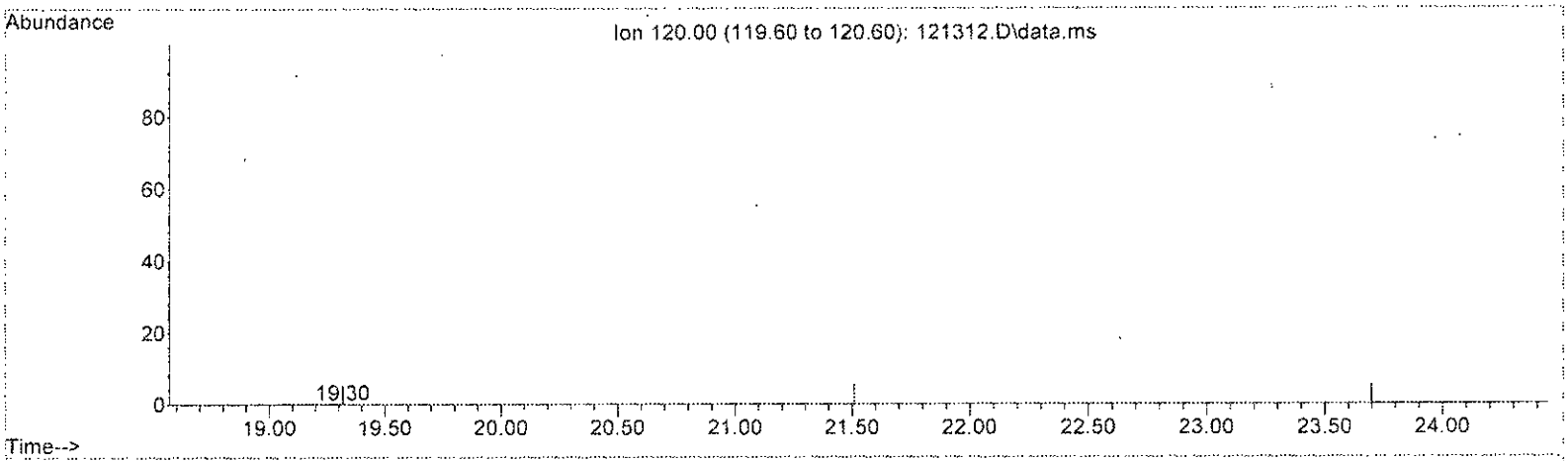
Ion	Exp%	Act%
120.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

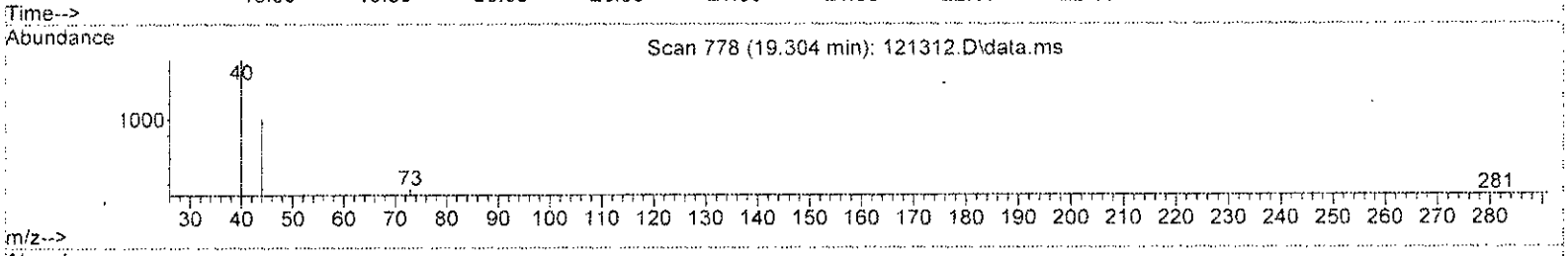
12/19

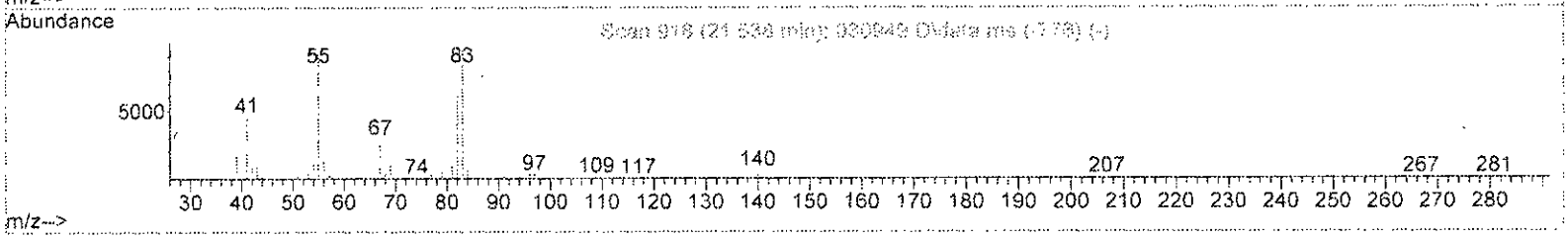
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121312.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) 0.000 ug/m3 m

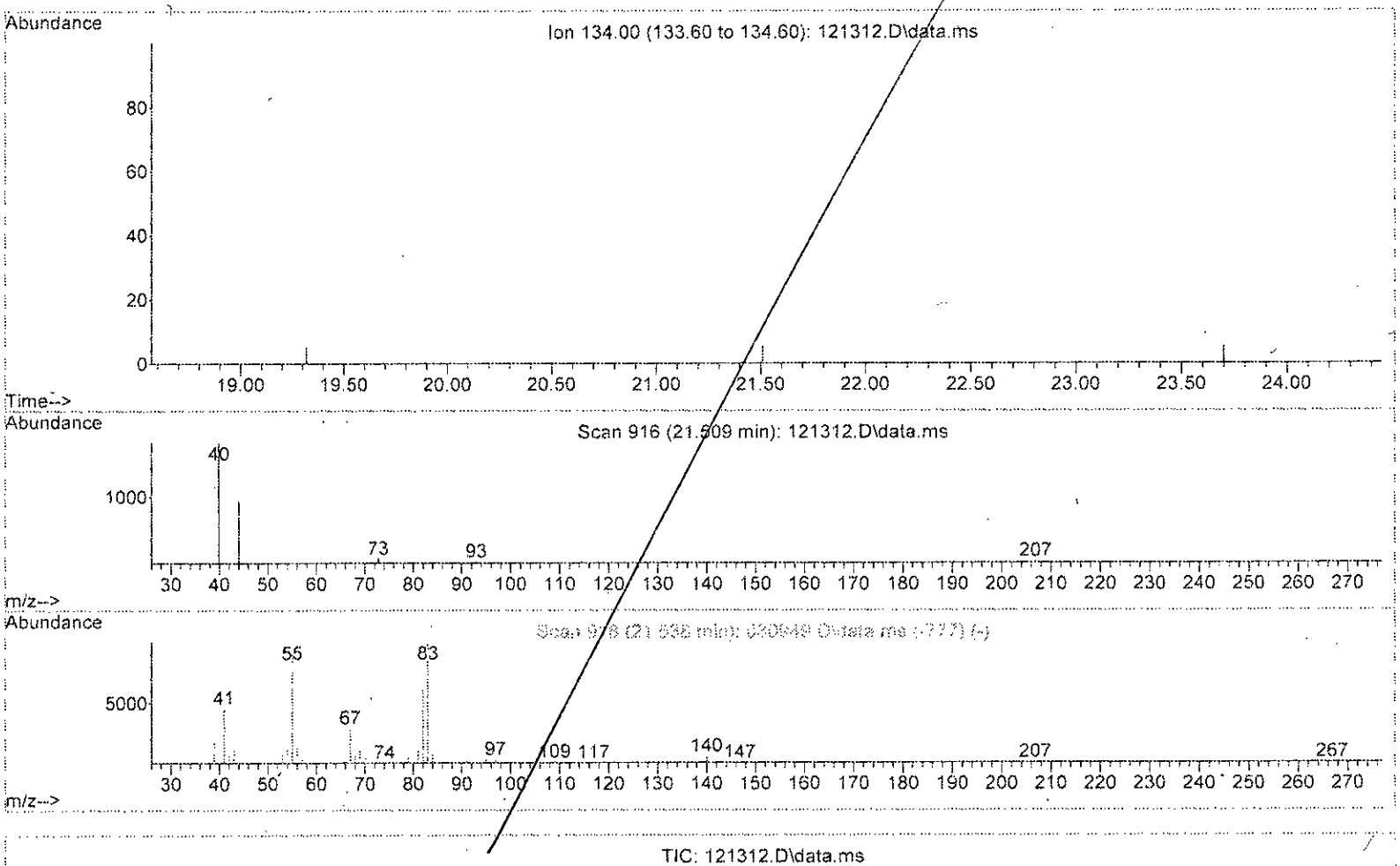
response 0

Ion	Exp%	Act%
120.00	-100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121312.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) -418.068 ug/m3 m

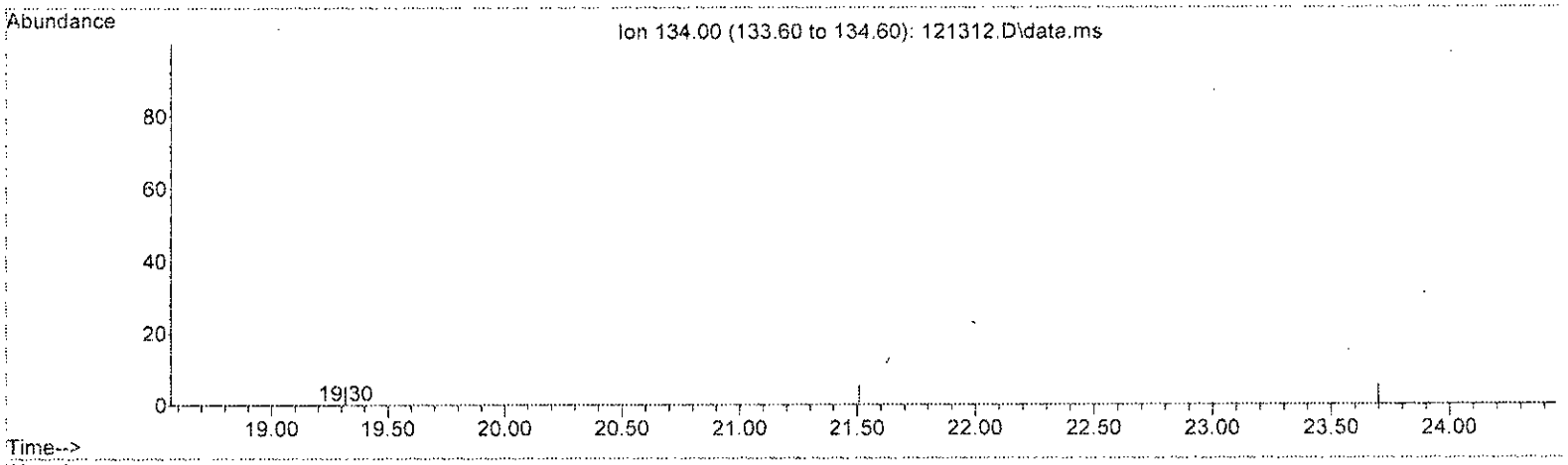
response -516619

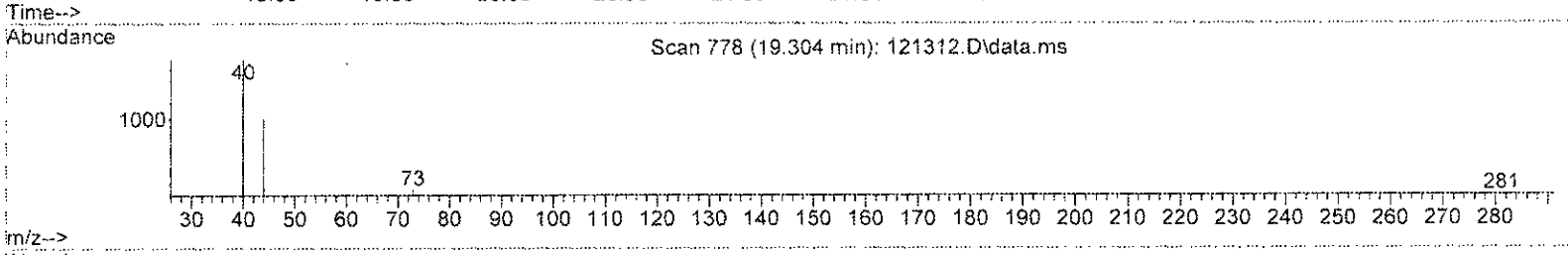
Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

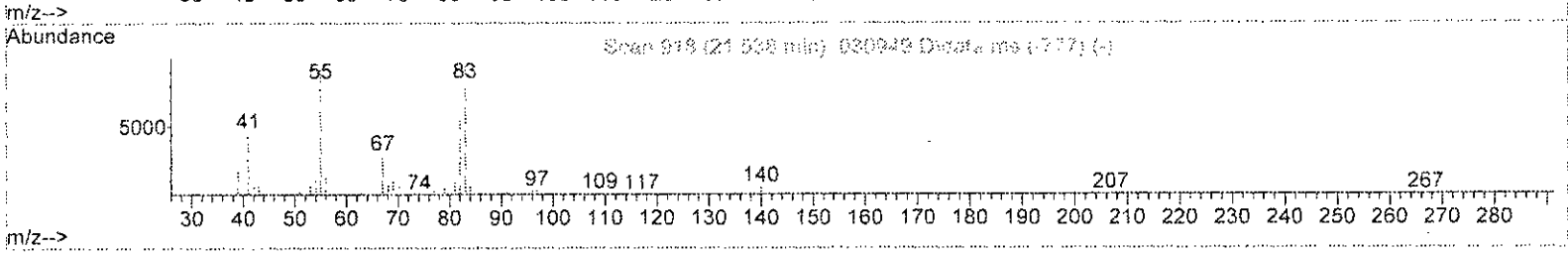
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121312.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) 0.000 ug/m3 m

response 0

Ion	Exp%	Act%
134.00	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47986	50.000	ug/m3	#-0.02
10) 1,4-Difluorobenzene	13.14	114	191662	50.000	ug/m3	0.00
20) Chlorobenzene-d5	18.13	117	178213	50.000	ug/m3	0.00
System Monitoring Compounds						
37) 4-Bromofluorobenzene	19.58	95	104426	60.609	ug/m3	0.00
Spiked Amount 71.000	Range 70 - 130		Recovery =	85.37%		
Target Compounds						Qvalue
2) IS-1 Bromochloromethane	9.86	TIC	394439	51.799	ug/m3	91
3) IS-2 1,4-Difluorobenzene	13.14	TIC	508247	50.189	ug/m3	95
4) IS-3 Chlorobenzene-d5	18.13	TIC	580289	46.002	ug/m3	96
5) Methylene chloride	6.73	TIC	5305	31.046	ug/m3	70
6) Acetone	0.00		0	N.D.	d	
7) 2-Propanol	0.00		0	N.D.	d	
8) 1,3-Butadiene	0.00		0	N.D.		
9) Methyl t-butyl ether	0.00		0	N.D.		
11) Benzene	0.00		0	N.D.		
12) Isopentane	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Cyclohexane	0.00		0	N.D.	d	
15) 2,3-Dimethylpentane	0.00		0	N.D.	d	
16) Heptane	0.00		0	N.D.	d	
17) Octane	0.00		0	N.D.	d	
18) APH EC5-8 aliphatics T...	12.33		0	N.D.		
19) APH EC5-8 aliphatics	12.35	TIC	2325818m	170.290	ug/m3	
21) S 4-Bromofluorobenzene	19.58	TIC	524034	44.143	ug/m3	95
22) Hexamethylcyclotrisilo...	17.72	TIC	150520	44.797	ppbv	100
23) Octamethylcyclotetrasi...	20.64	TIC	27724m	36.723	ppbv	
24) Toluene	0.00		0	N.D.		
25) Ethylbenzene	18.54	91	61	N.D.		
26) m,p-Xylene	0.00		0	N.D.		
27) o-Xylene	0.00		0	N.D.		
28) Naphthalene	0.00		0	N.D.		
29) 2,3-Dimethylheptane	18.68	TIC	2965	0.172	ug/m3#	58
30) Nonane	19.38	TIC	1163	0.070	ug/m3#	60
31) Decane	20.81	TIC	1678	1.111	ug/m3#	59
32) Butylcyclohexane	21.45	TIC	573	0.027	ug/m3#	58
33) Undecane	22.19	TIC	298	1.374	ug/m3#	64
34) Dodecane	23.69	TIC	1767	5.366	ug/m3#	73
35) APH EC9-12 aliphatics ...	21.58	TIC	8444m	0.552	ug/m3	
36) APH EC9-12 aliphatics	21.59	TIC	516132m	33.766	ug/m3	
38) Isopropylbenzene	0.00		0	N.D.		
39) 1-Methyl-3-ethylbenzene	0.00		0	N.D.		
40) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
41) p-Isopropyltoluene	0.00		0	N.D.		
42) 1,2,3-Trimethylbenzene	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

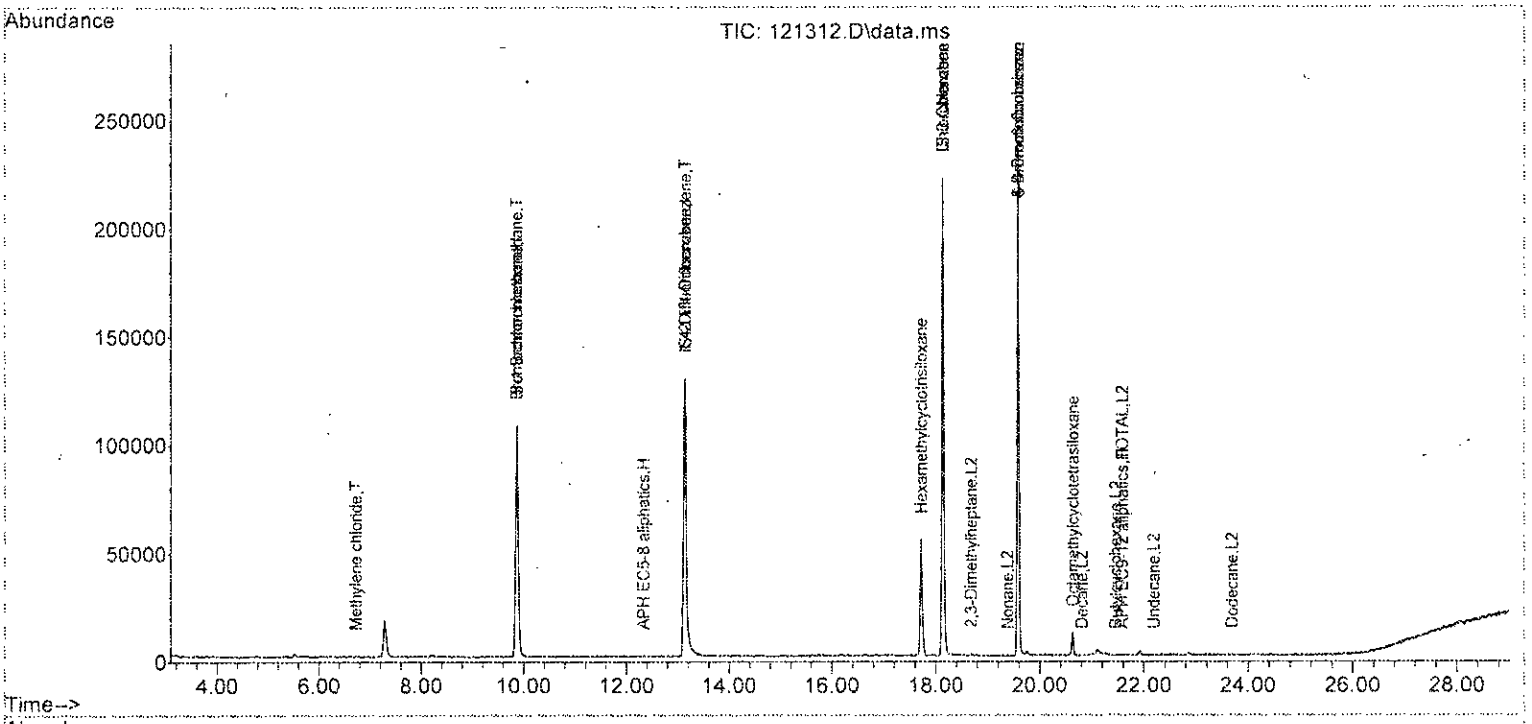
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) APH EC9-10 aromatics T...	21.45		0	N.D.		
44) APH EC9-10 aromatics (1)	21.51		0	N.D.		
45) APH EC9-10 aromatics (2)	21.51		0	N.D.		

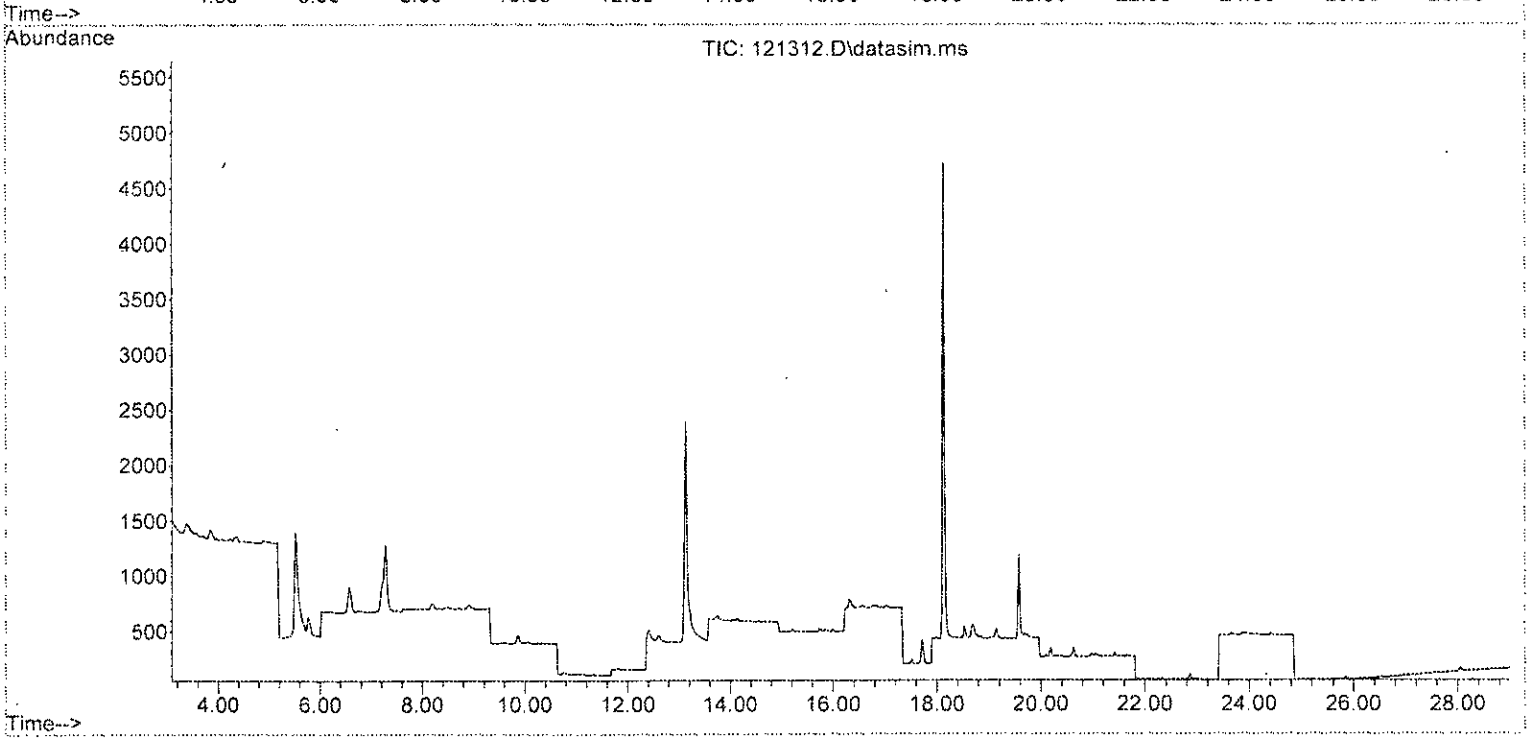
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 21:11:52 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:01 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

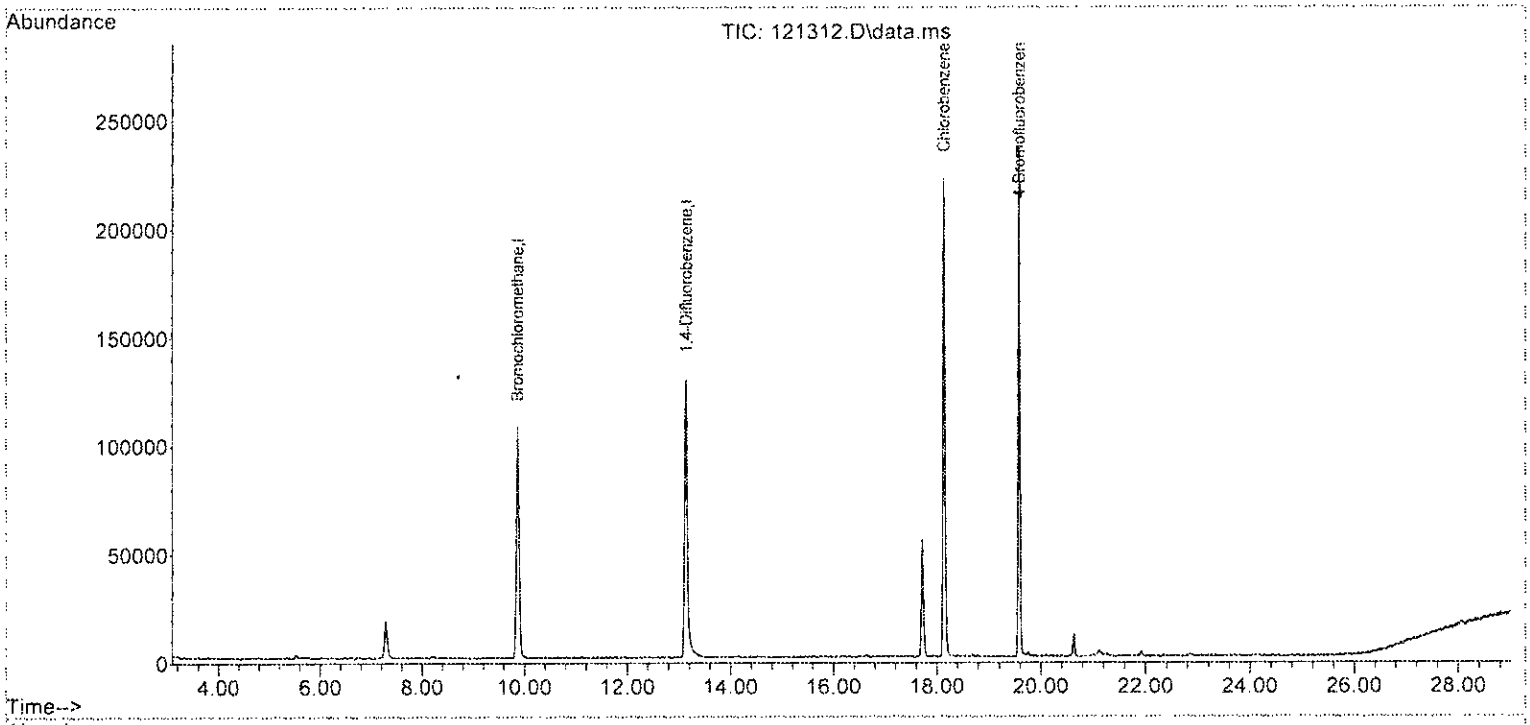
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47986	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	191662	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178213	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	104426	8.455	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.60%			
Target Compounds						Qvalue
37] Benzene	12.61	78	231	Below Cal		99
58] Ethylbenzene	18.53	91	193	Below Cal		94
77] Naphthalene	23.88	128	165	Below Cal		87

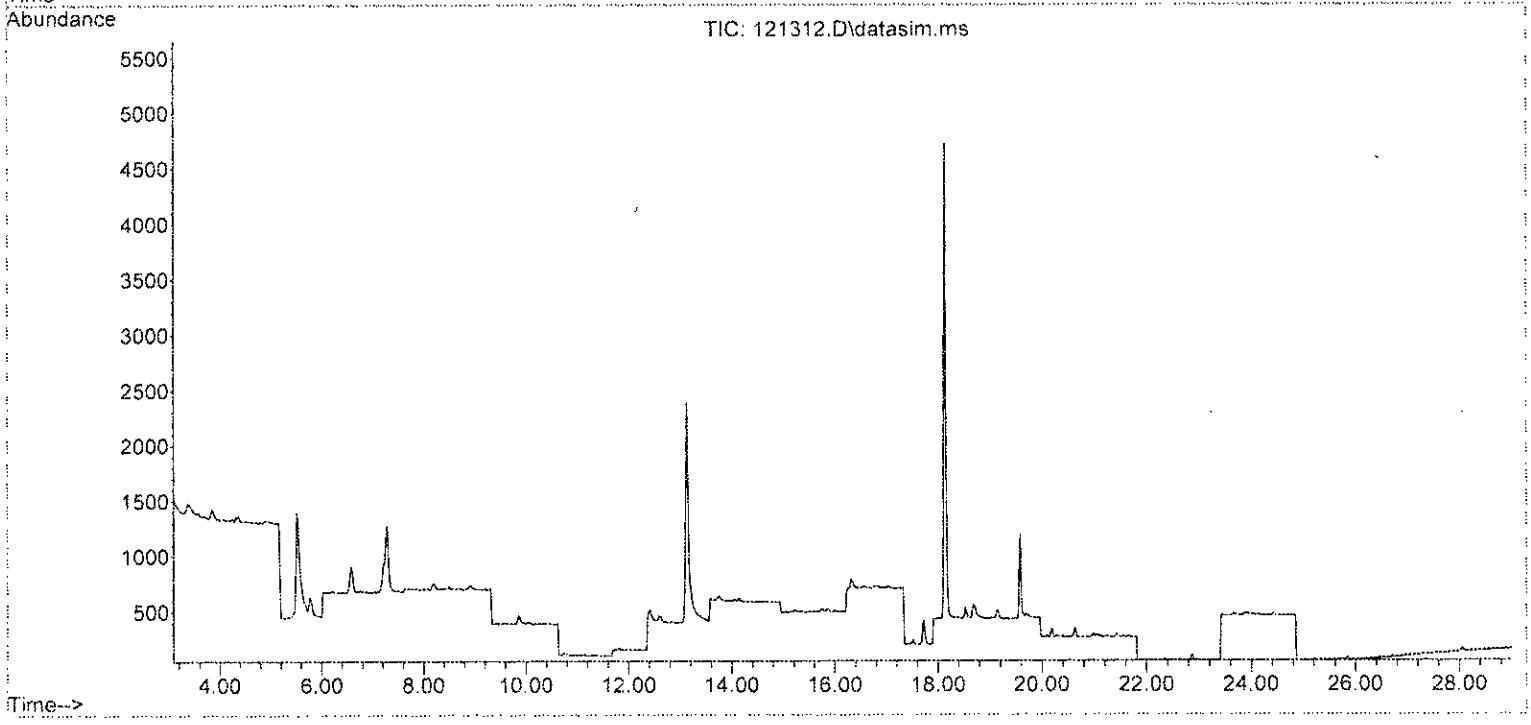
(#) = qualifier out of range (m) = manual integration (+) = signals summed

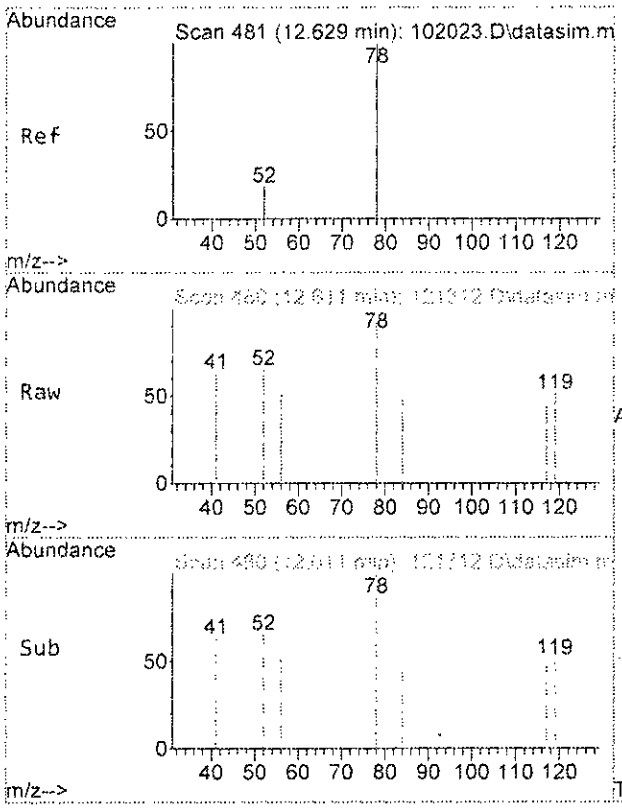
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:01 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



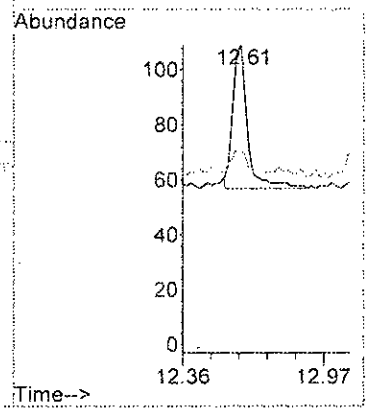


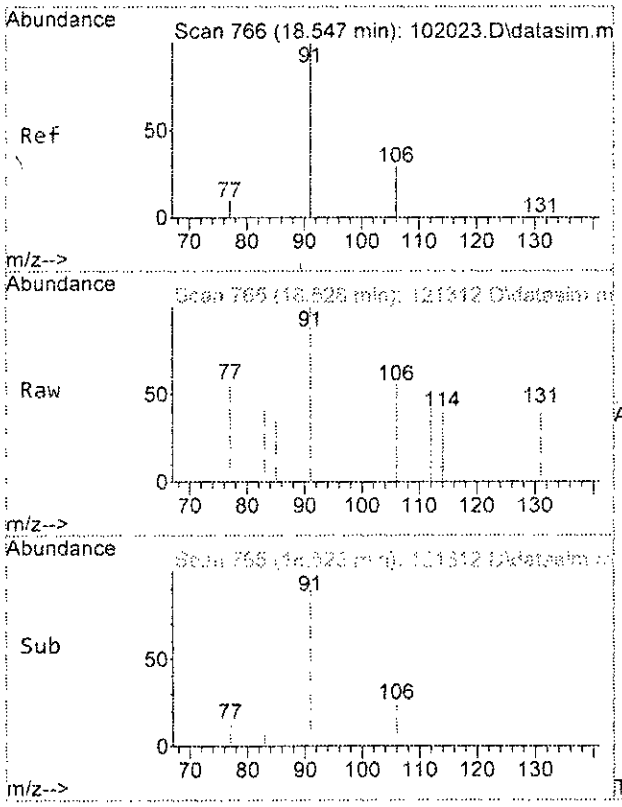


#37
Benzene
Concen: Below Cal
RT: 12.61 min Scan# 480
Delta R.T. 0.000 min
Lab File: 121312.D
Acq: 13 Dec 2022 8:01 pm

Tgt Ion: 78 Resp: 231

Ion	Ratio	Lower	Upper
78	100		
52	19.2	0.0	49.7

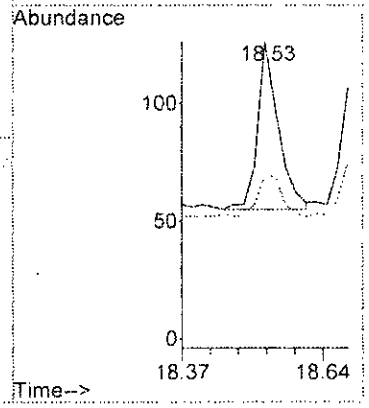


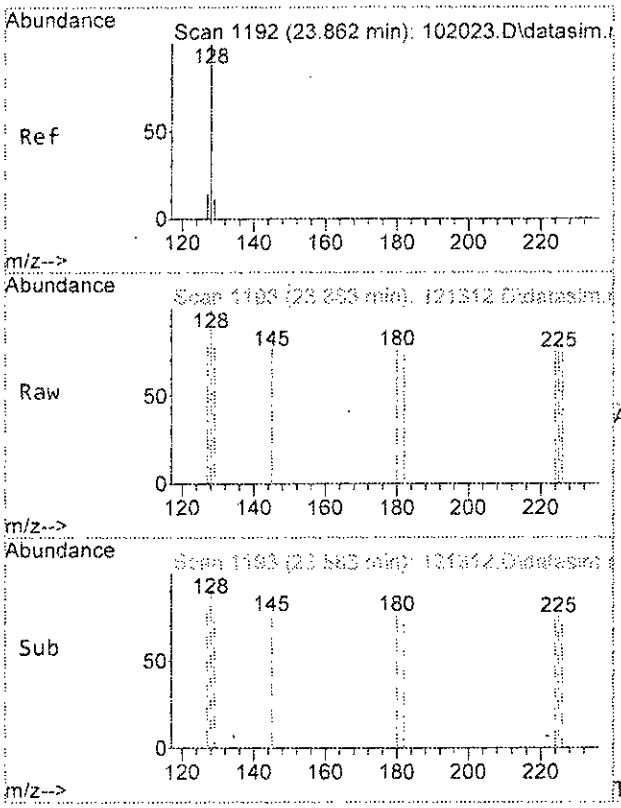


#58
Ethylbenzene
Concen: Below Cal
RT: 18.53 min Scan# 765
Delta R.T. 0.000 min
Lab File: 121312.D
Acq: 13 Dec 2022 8:01 pm

Tgt Ion: 91 Resp: 193

Ion	Ratio	Lower	Upper
91	100		
106	23.9	0.0	57.0

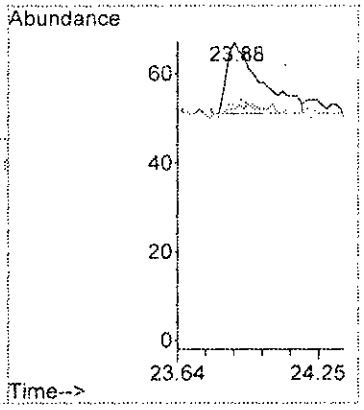




#77
Naphthalene
Concen: Below Cal
RT: 23.88 min Scan# 1193
Delta R.T. 0.042 min
Lab File: 121312.D
Acq: 13 Dec 2022 8:01 pm

Tgt Ion:128 Resp: 165

Ion	Ratio	Lower	Upper
128	100		
129	6.3	0.0	41.0
127	18.8	0.0	43.2



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:01 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47986	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	191662	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178213	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	104426	8.455	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.60%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.		
4) Chloromethane	0.00		0	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.		
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.		
16) Acetone	5.53	58	970	N.D.		
17) 2-Propanol	5.78	45	486	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.73	84	450	N.D.		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.23	76	936	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.		
31) Ethyl acetate	0.00		0	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.68	97	133	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37] Benzene	12.61	78	231	Below Cal		99
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:01 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

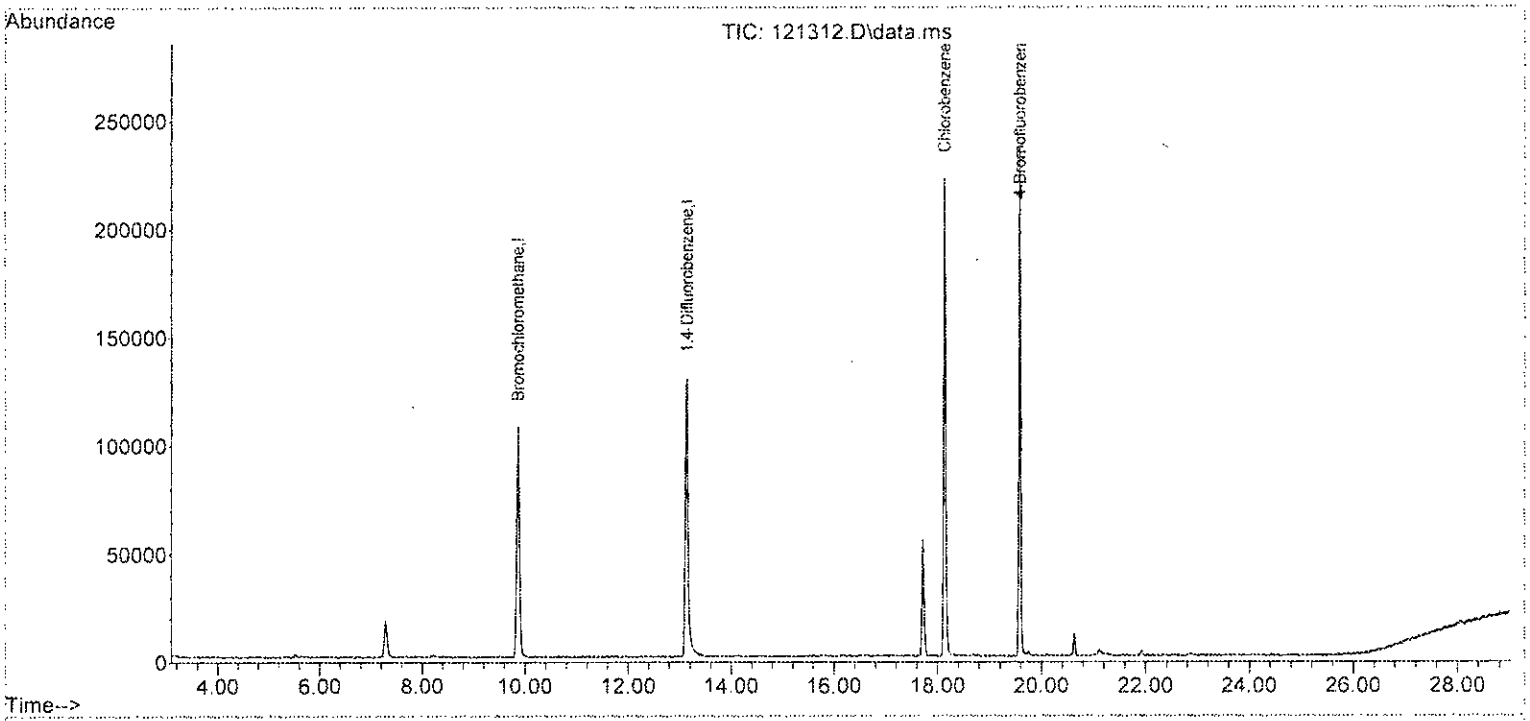
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	
43) Methyl methacrylate	0.00		0	N.D.	
44) Heptane	0.00		0	N.D.	
45) Bromodichloromethane	0.00		0	N.D.	
46) Trichloroethene	0.00		0	N.D.	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	
48) 4-Methyl-2-pentanone	0.00		0	N.D.	
49) trans-1,3-Dichloropropene	15.74	75	119	N.D.	
50) Toluene	16.31	92	1004	N.D.	
51) 1,1,2-Trichloroethane	0.00		0	N.D.	
52) 2-Hexanone	0.00		0	N.D.	
53) Tetrachloroethene	17.35	164	273	N.D.	
54) Dibromochloromethane	0.00		0	N.D.	
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
57) Chlorobenzene	0.00		0	N.D.	
58] Ethylbenzene	18.53	91	193	Below Cal	94
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
60) Nonane	0.00		0	N.D.	
61) Isopropylbenzene	0.00		0	N.D.	
62) 2-Chlorotoluene	0.00		0	N.D.	
63) Propylbenzene	20.20	91	224	N.D.	
64) 4-Ethyltoluene	20.38	105	187	N.D.	
65) m,p-Xylene	18.70	106	141	N.D.	
66) o-Xylene	0.00		0	N.D.	
67) Styrene	0.00		0	N.D.	
68) Bromoform	0.00		0	N.D.	
70) Benzyl chloride	0.00		0	N.D.	
71) 1,3,5-Trimethylbenzene	20.38	105	187	N.D.	
72) 1,2,4-Trimethylbenzene	20.38	105	187	N.D.	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
77] Naphthalene	23.88	128	165	Below Cal	87
78) Hexachlorobutadiene	0.00		0	N.D.	

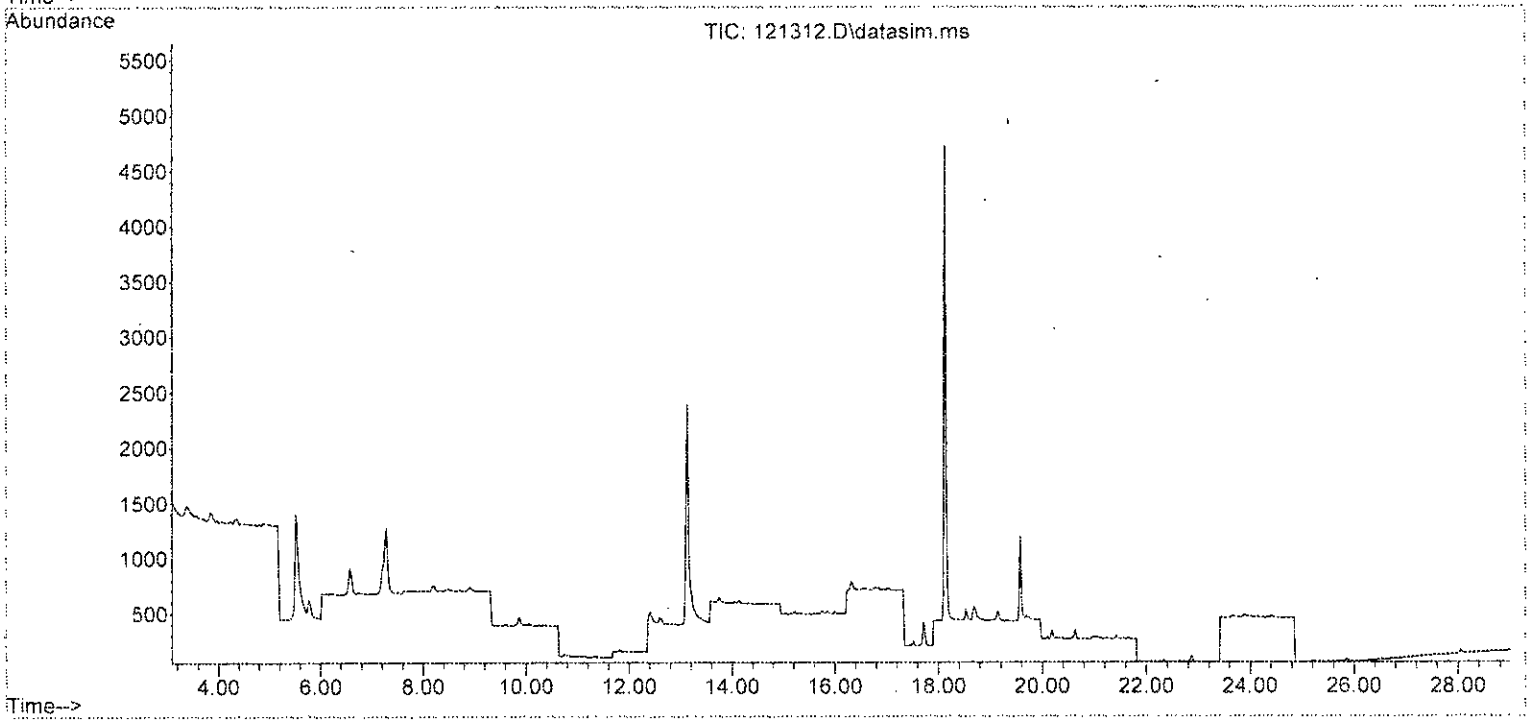
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121312.D
Acq On : 13 Dec 2022 8:01 pm
Operator : bat
Sample : 02-2958 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:01 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

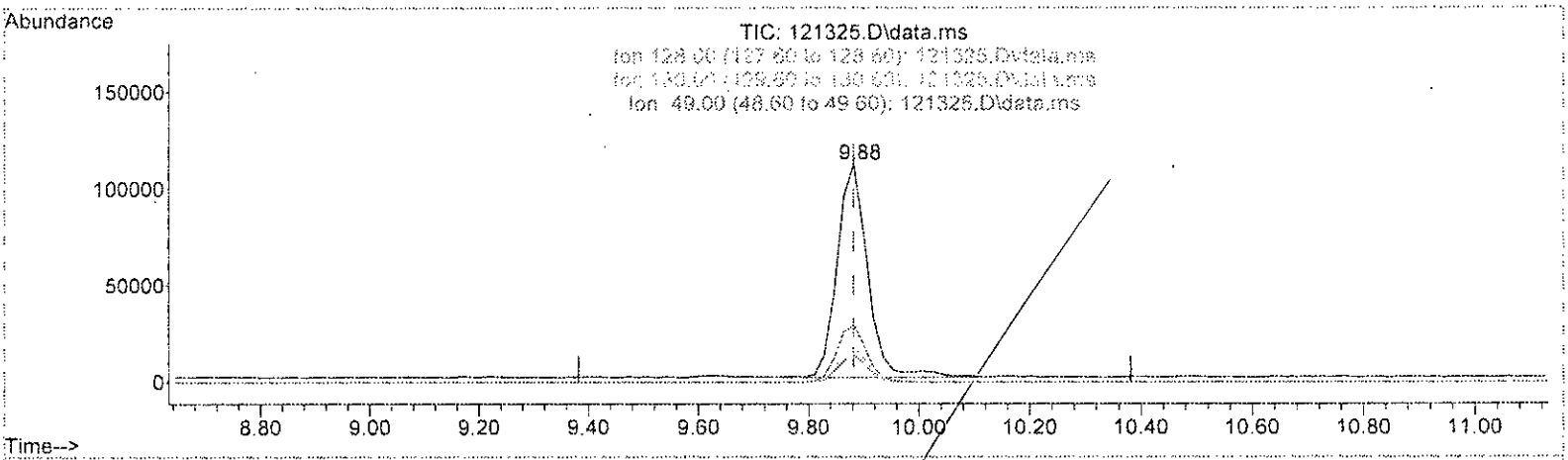


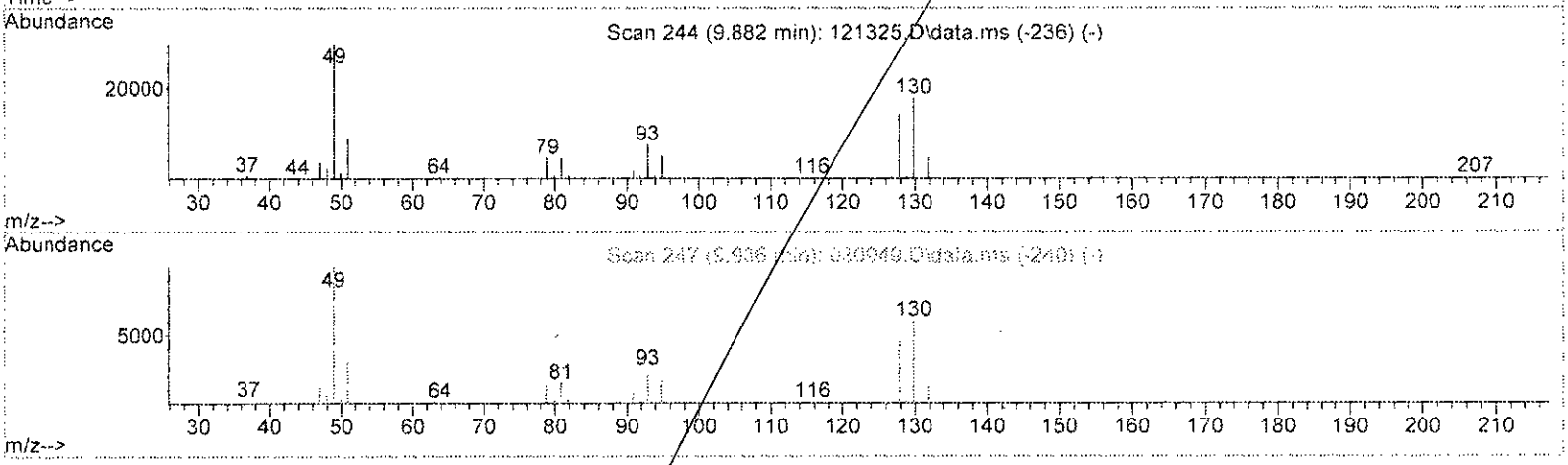


Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121325.D\data.ms

(2) IS-1 Bromochloromethane (T)

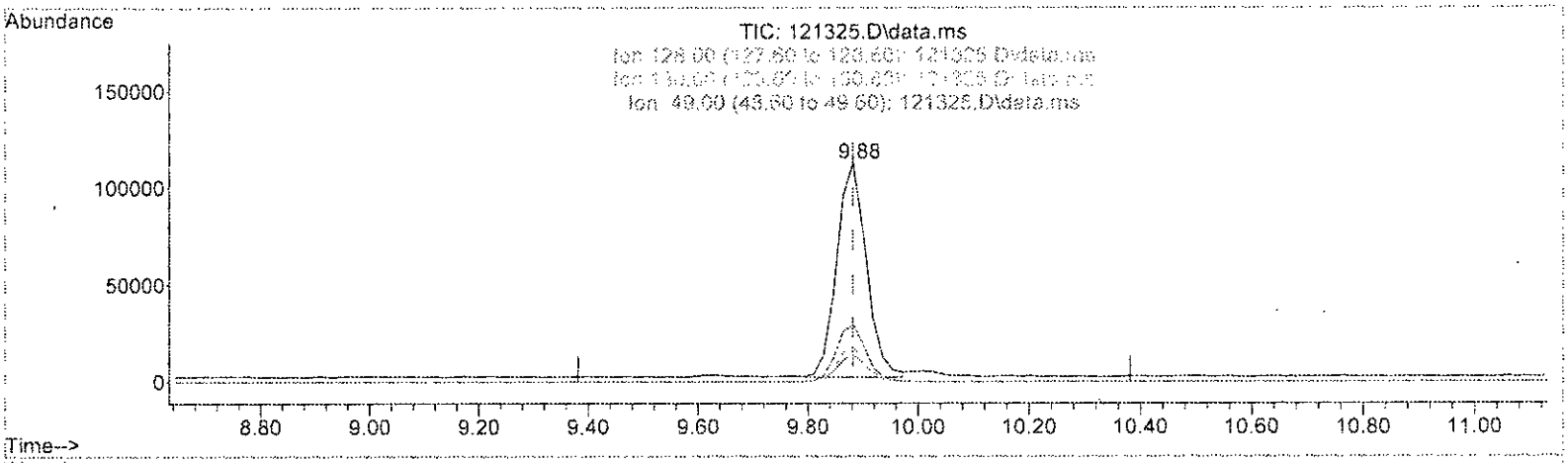
9.882min (+ 0.000) 52.219 ug/m3

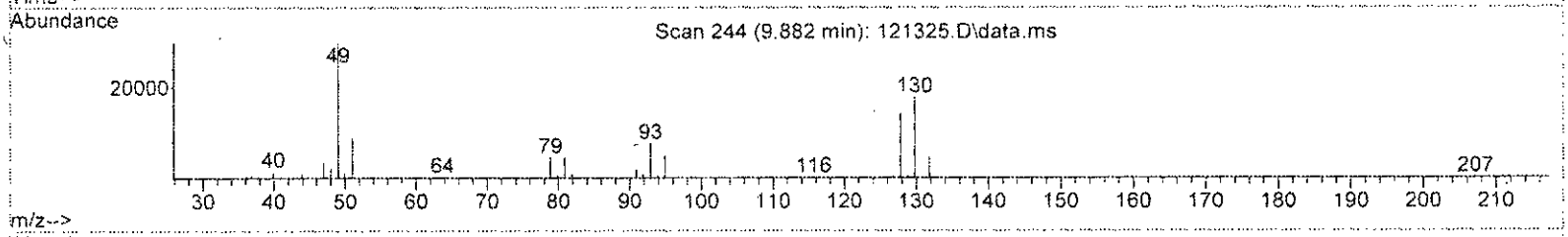
response 423603

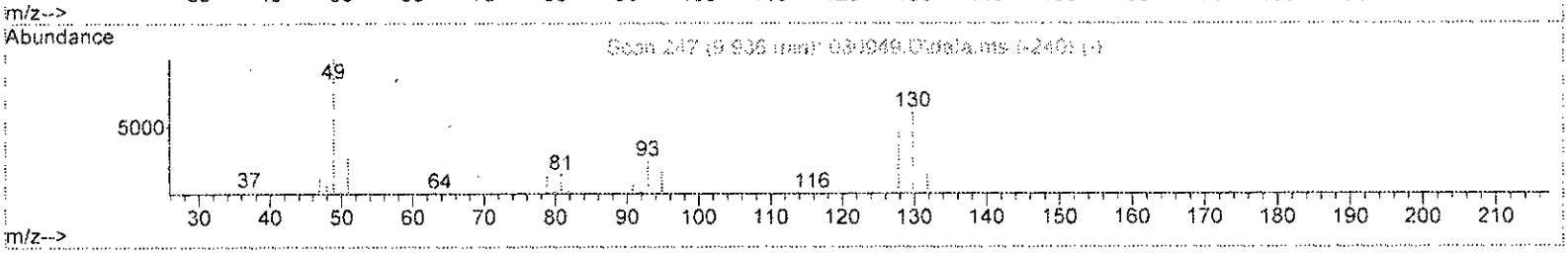
Signal	Exp%	Act%
TIC	100.00	100.00
128.00	14.80	12.74
130.00	19.20	16.07
49.00	20.60	26.97

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121325.D\data.ms

(2) IS-1 Bromochloromethane (T)

9.882min (+ 0.000) 50.722 ug/m3 m

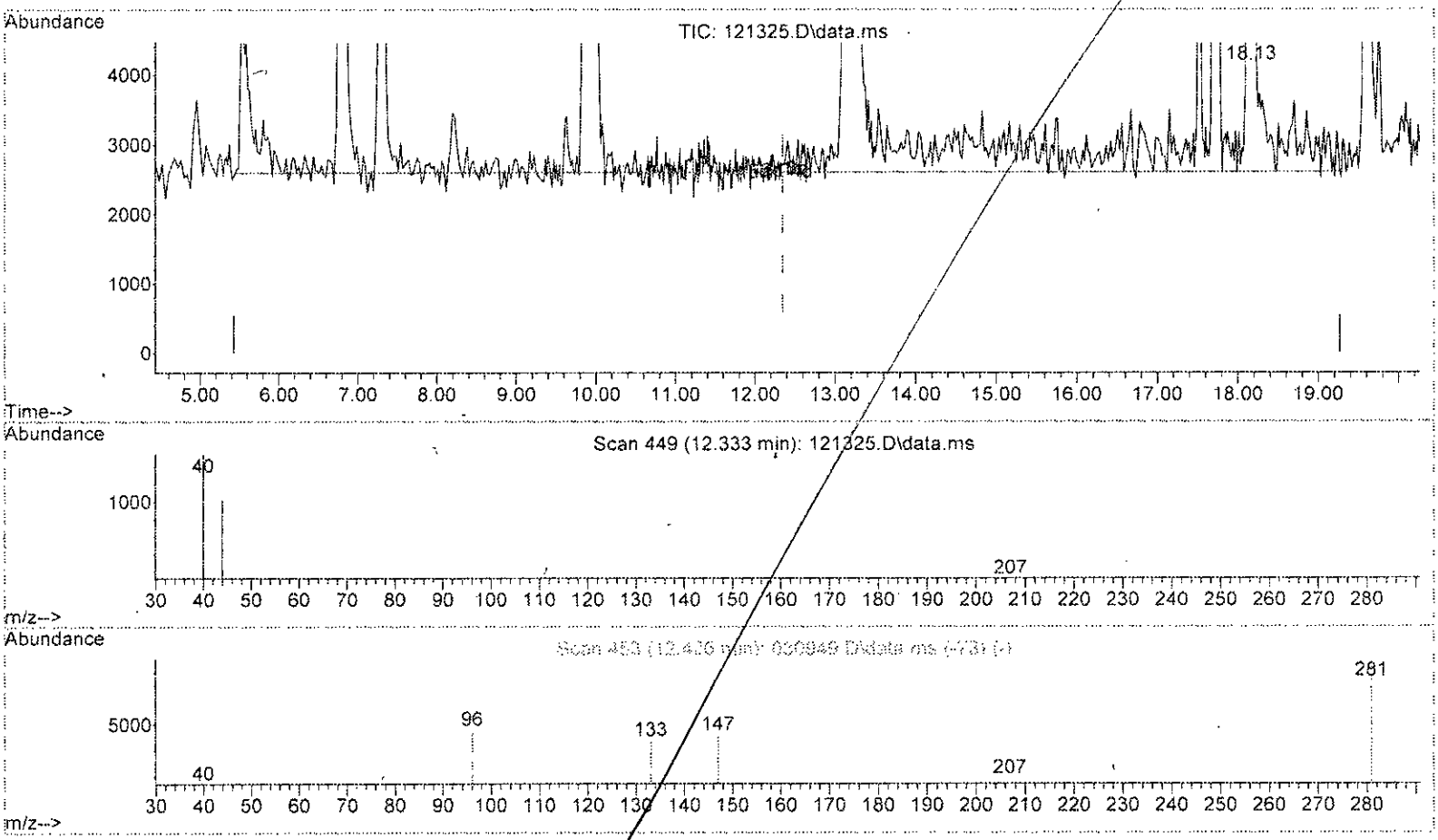
response 411460

Signal	Exp%	Act%
TIC	100.00	100.00
128.00	14.80	13.12
130.00	19.20	16.55
49.00	20.60	27.77

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121325.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 36.309 ug/m3 m

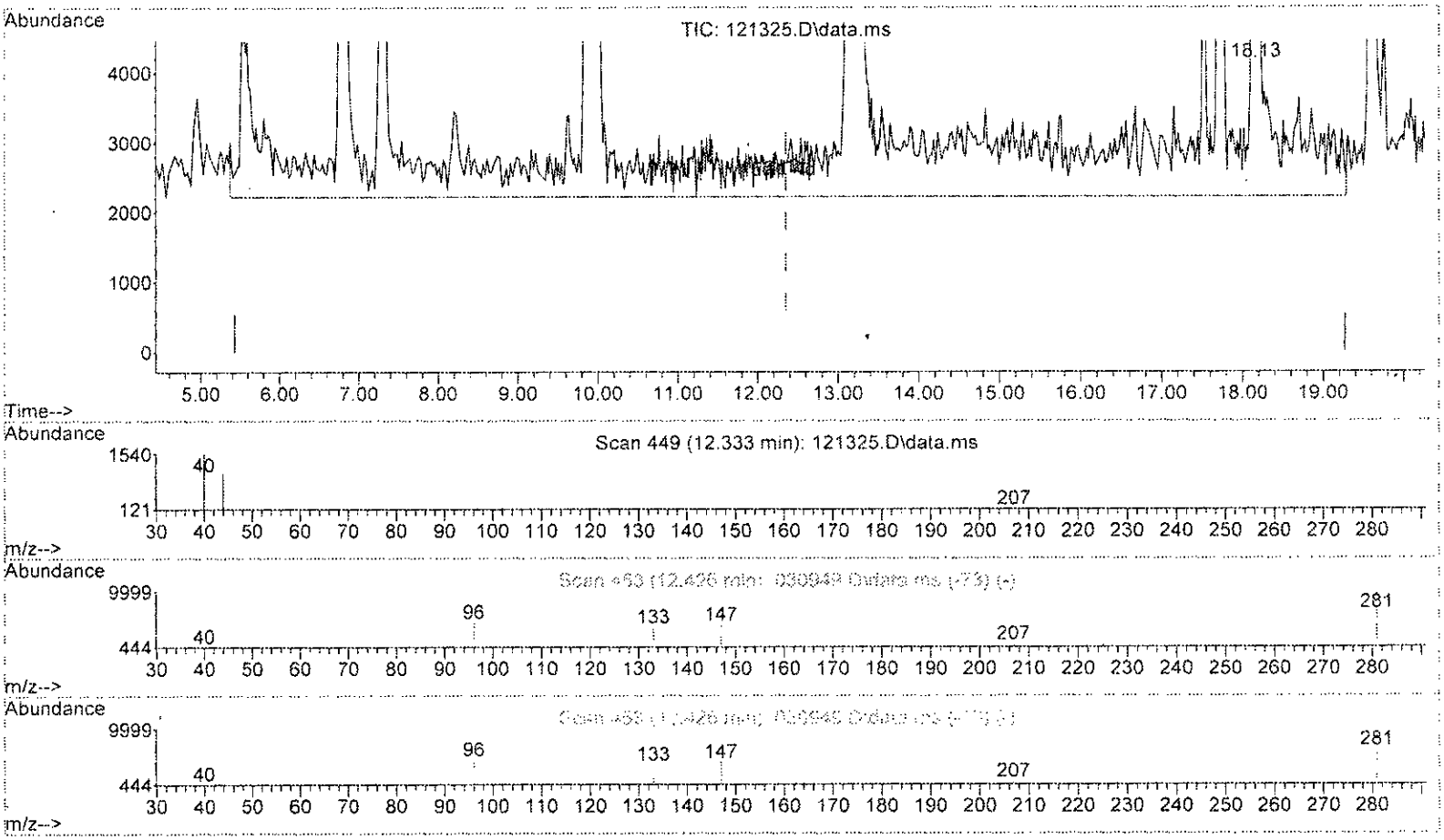
response 530788

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\120SAPH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121325.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 165.521 ug/m3 m

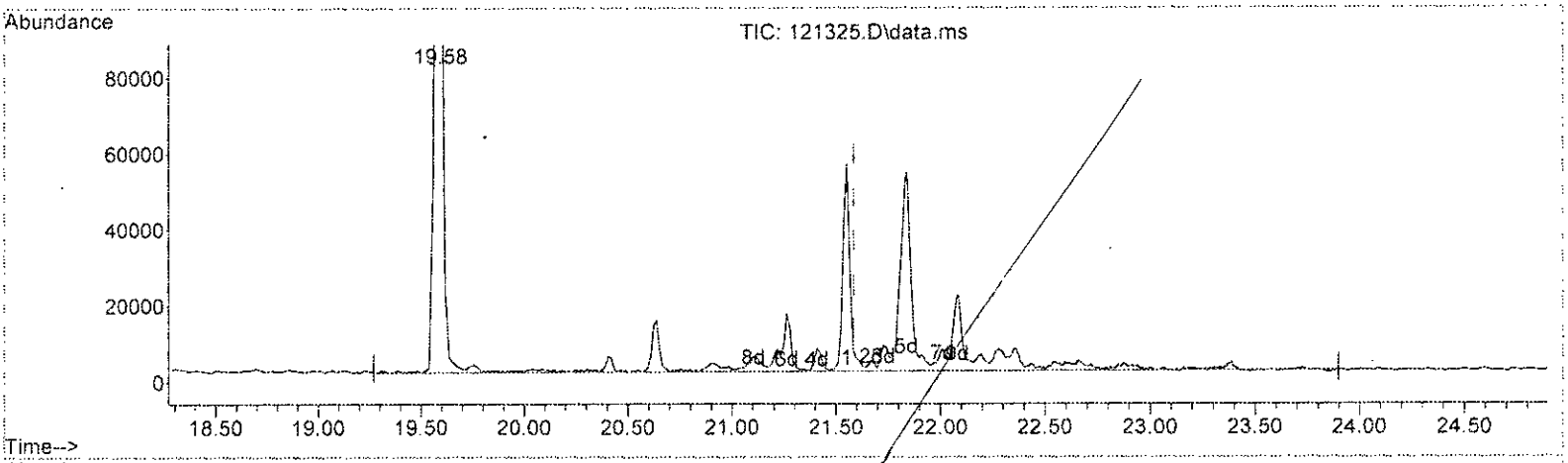
response 2419729

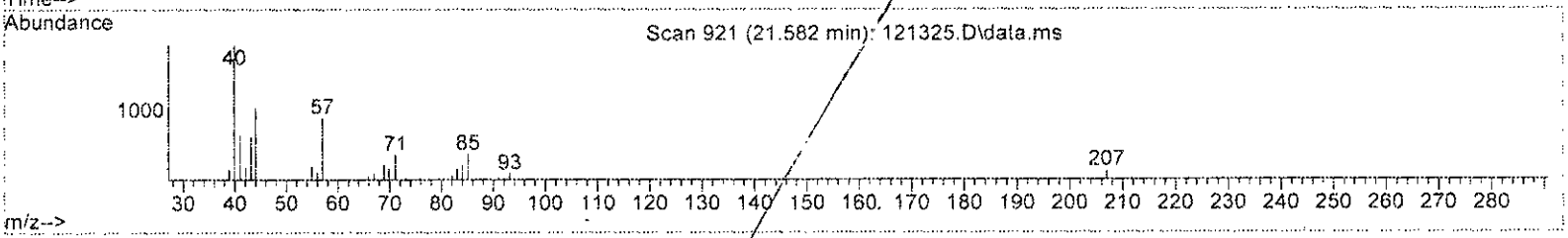
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

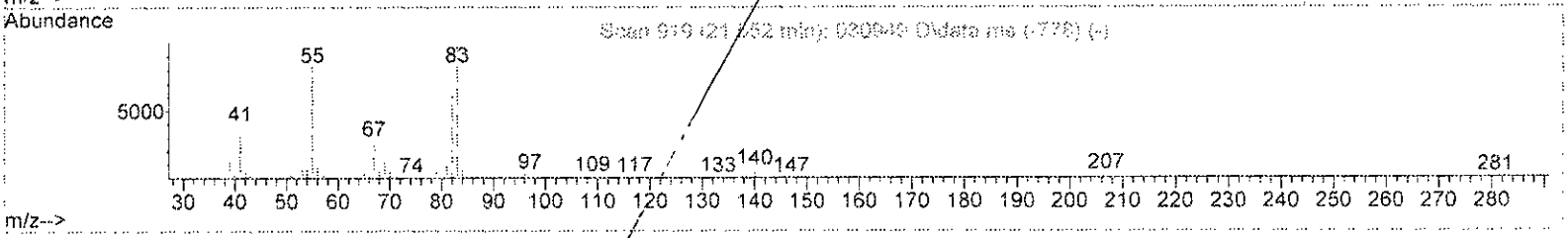
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121325.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 35.095 ug/m3 m

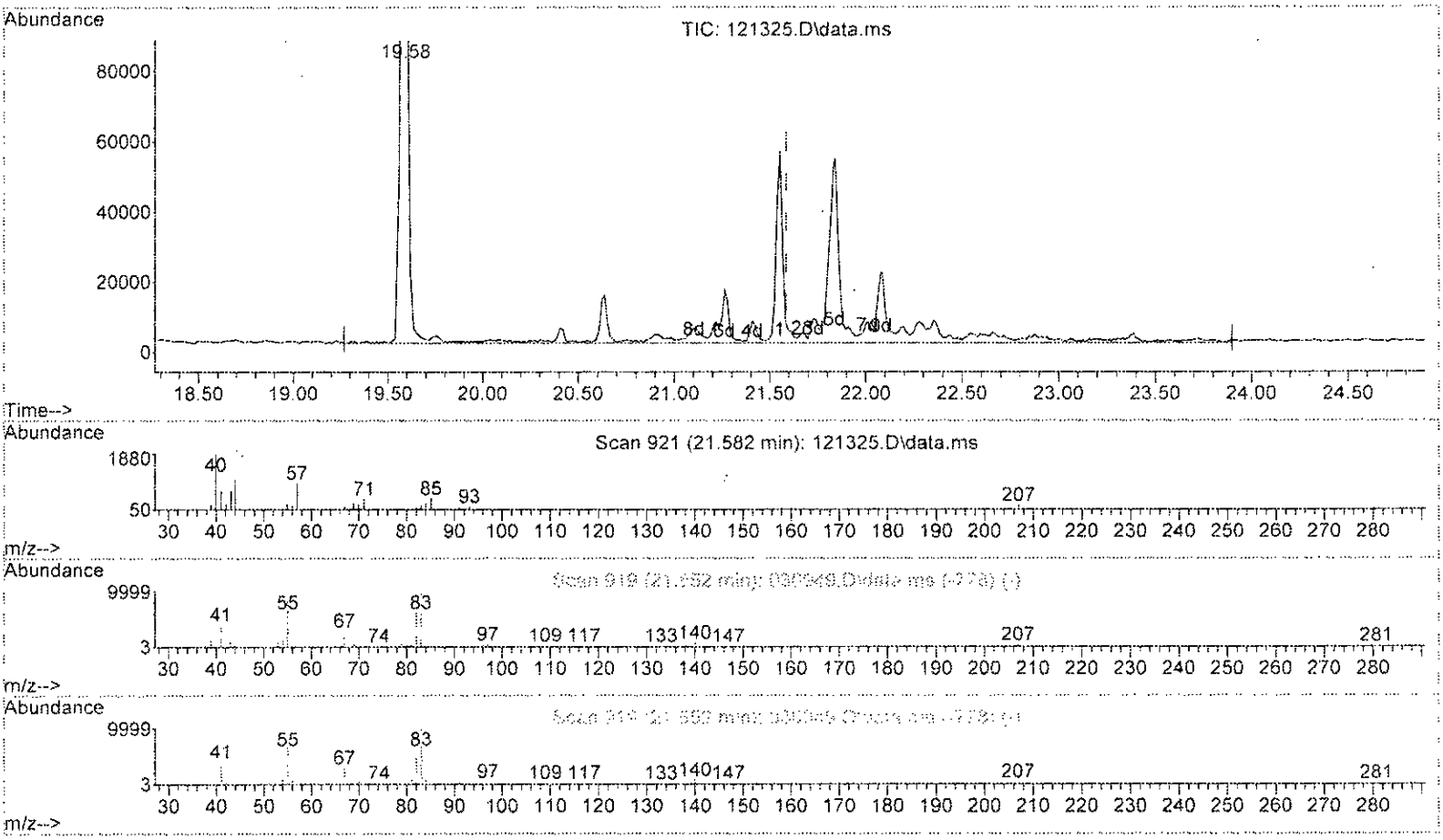
response 565448

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : TI0
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121325.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 75.339 ug/m3 m

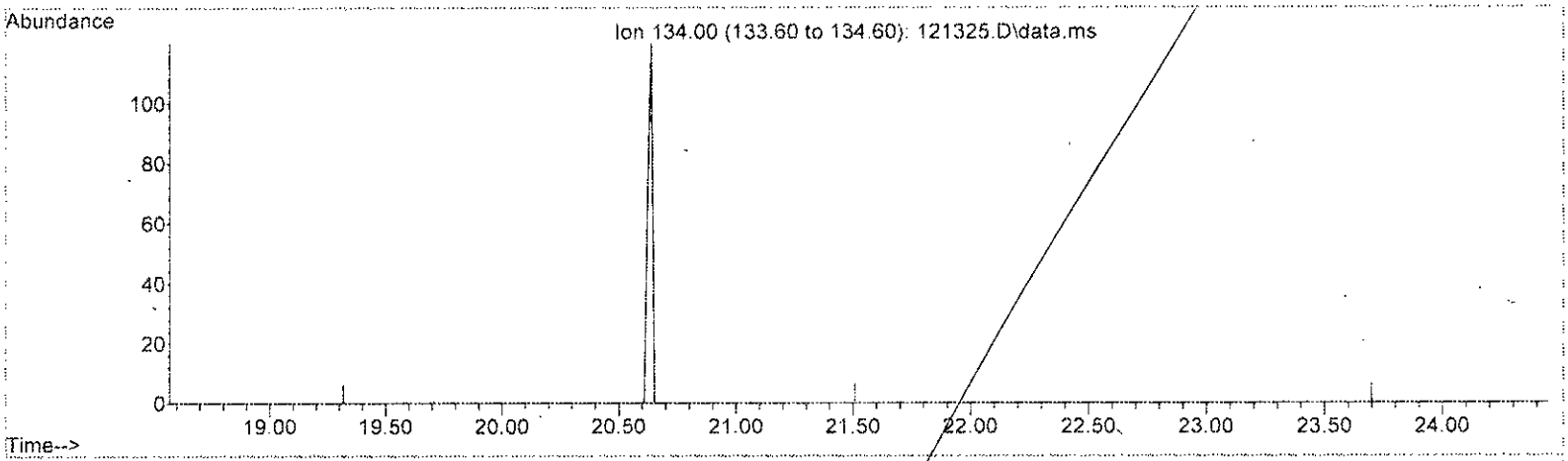
response 1213836

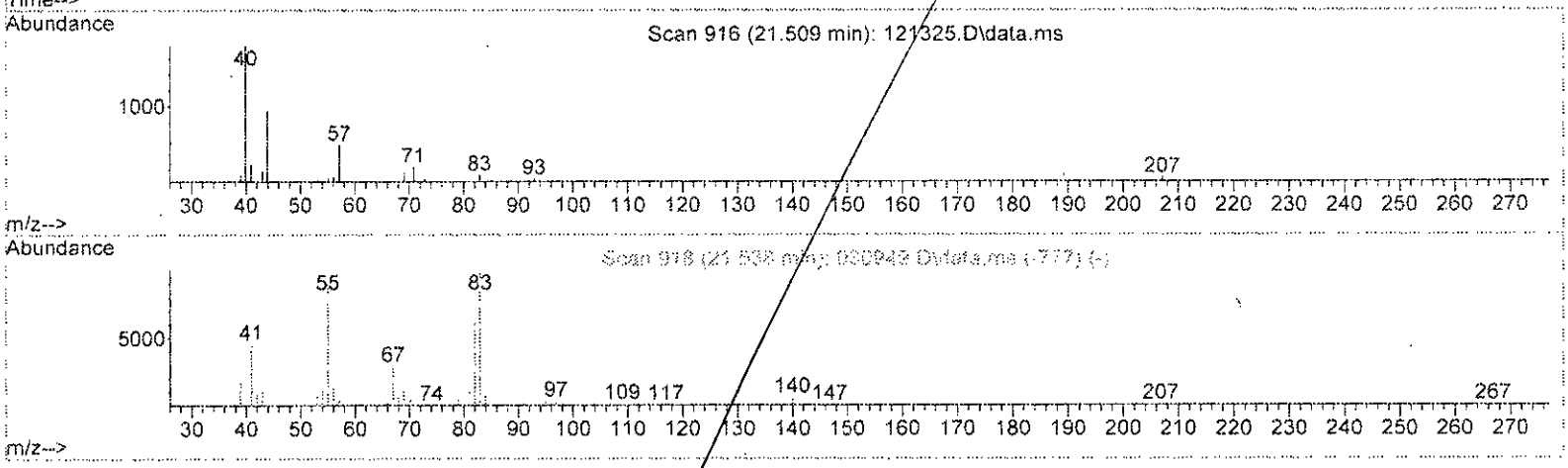
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121325.D\data.ms

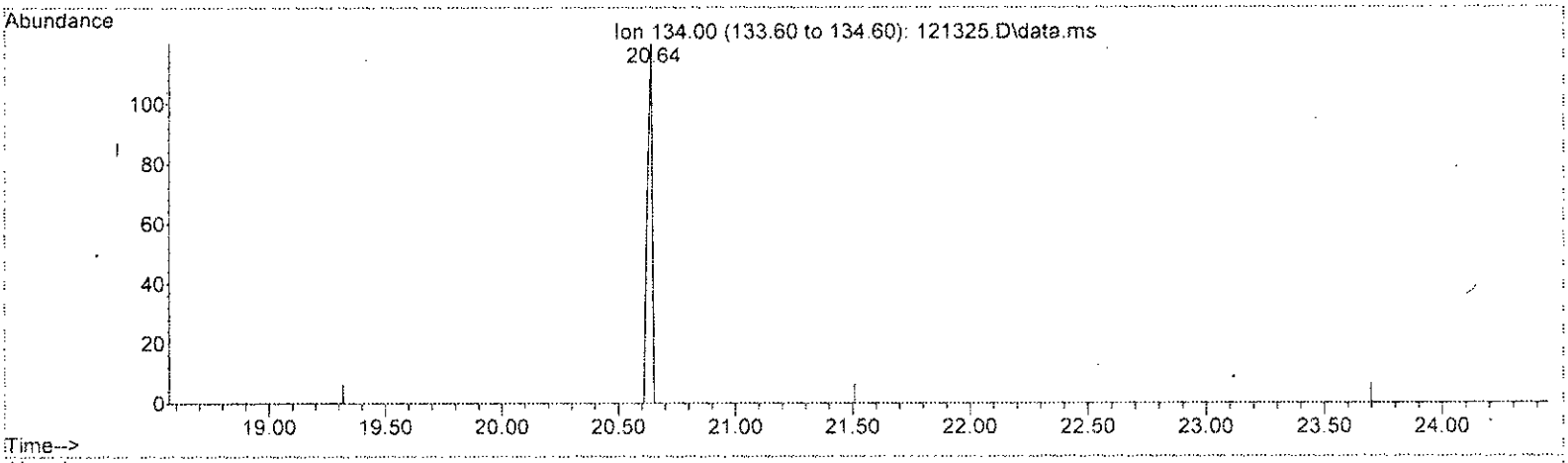
(45) APH EC9-10 aromatics (2) (H)
21.509min (0.000) -423.952 ug/m3 m
response -552202

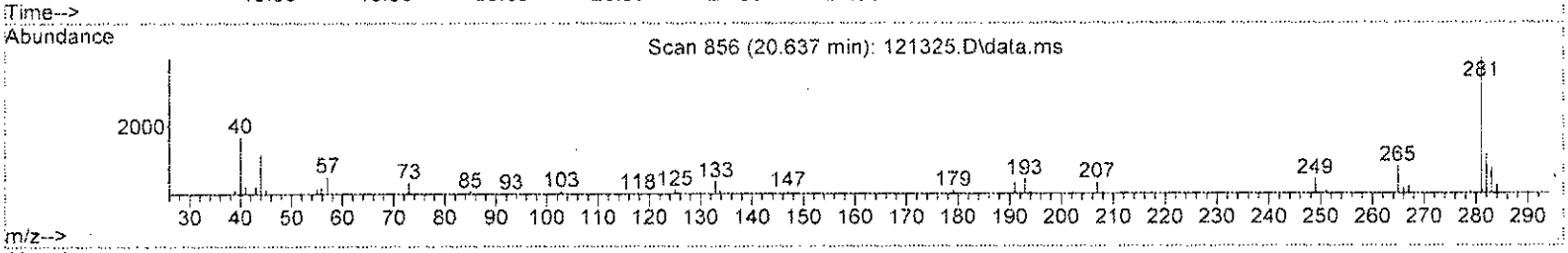
Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

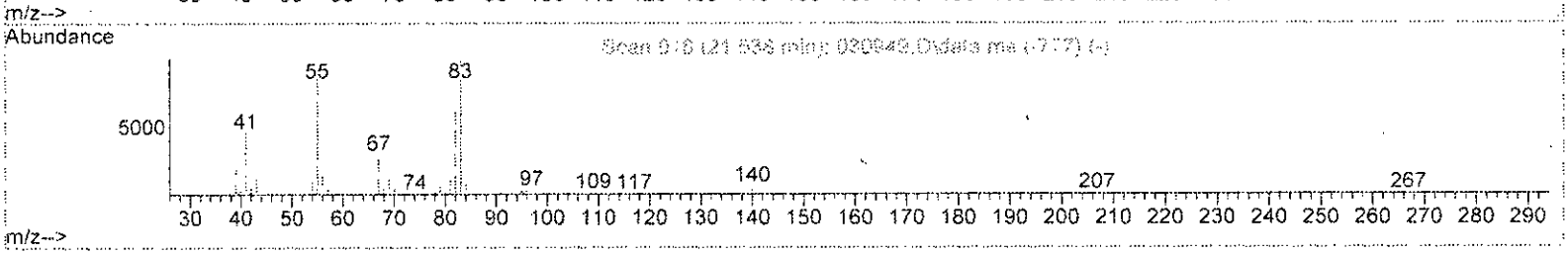
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121325.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) 0.102 ug/m3 m

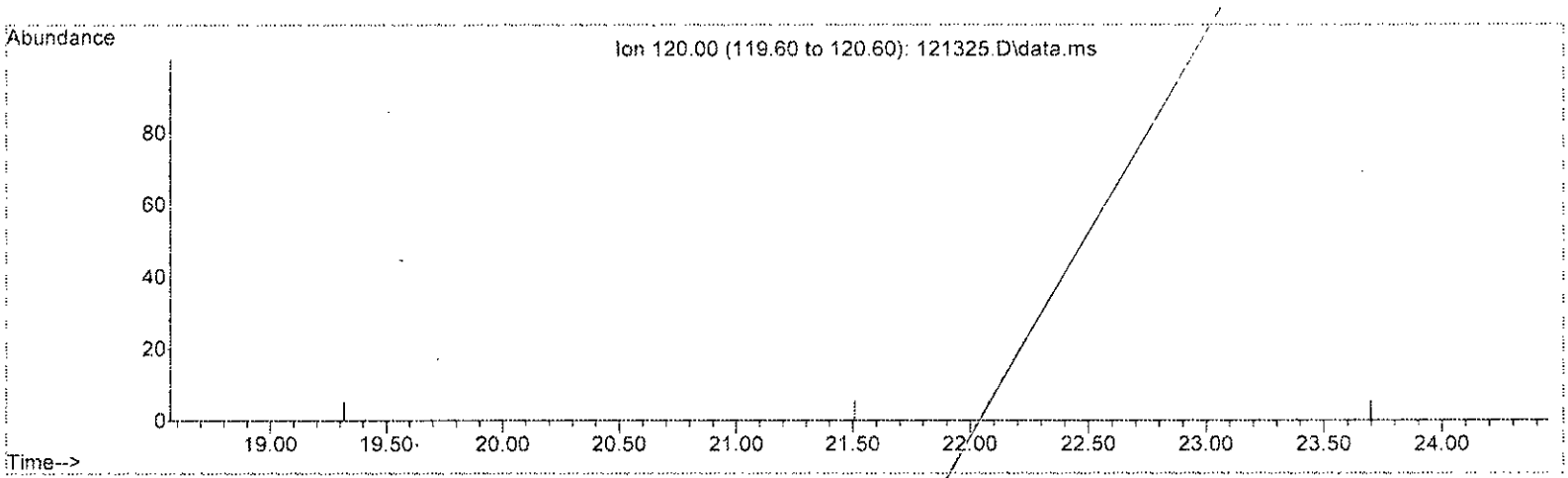
response 133

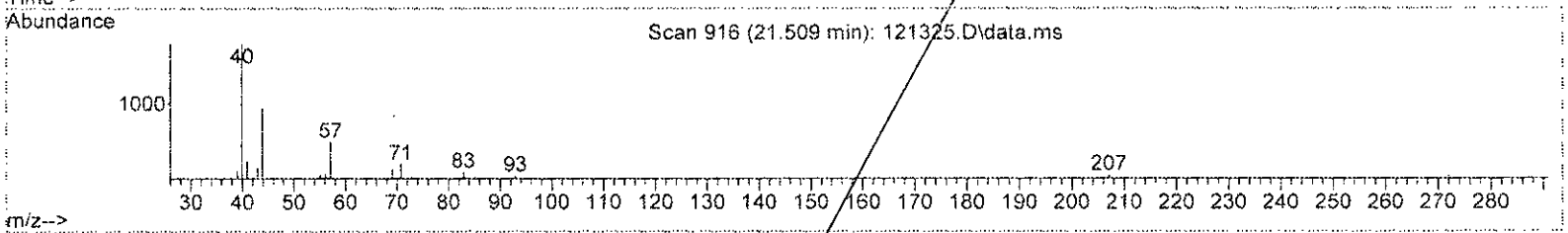
Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

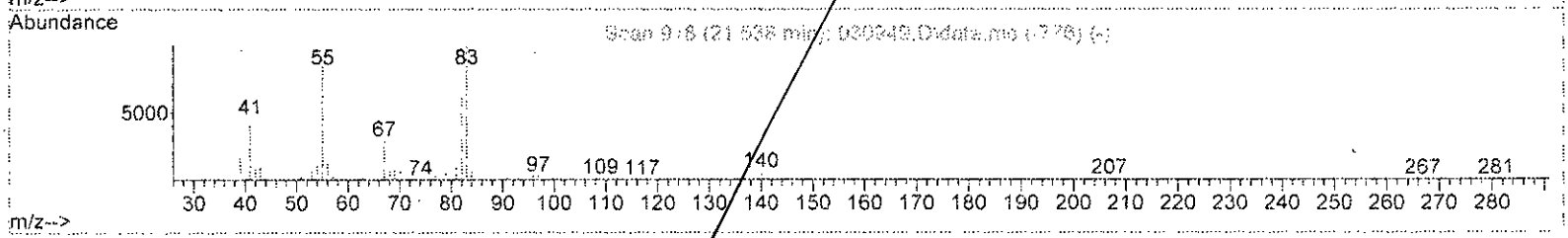
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121325.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) -246.300 ug/m3 m

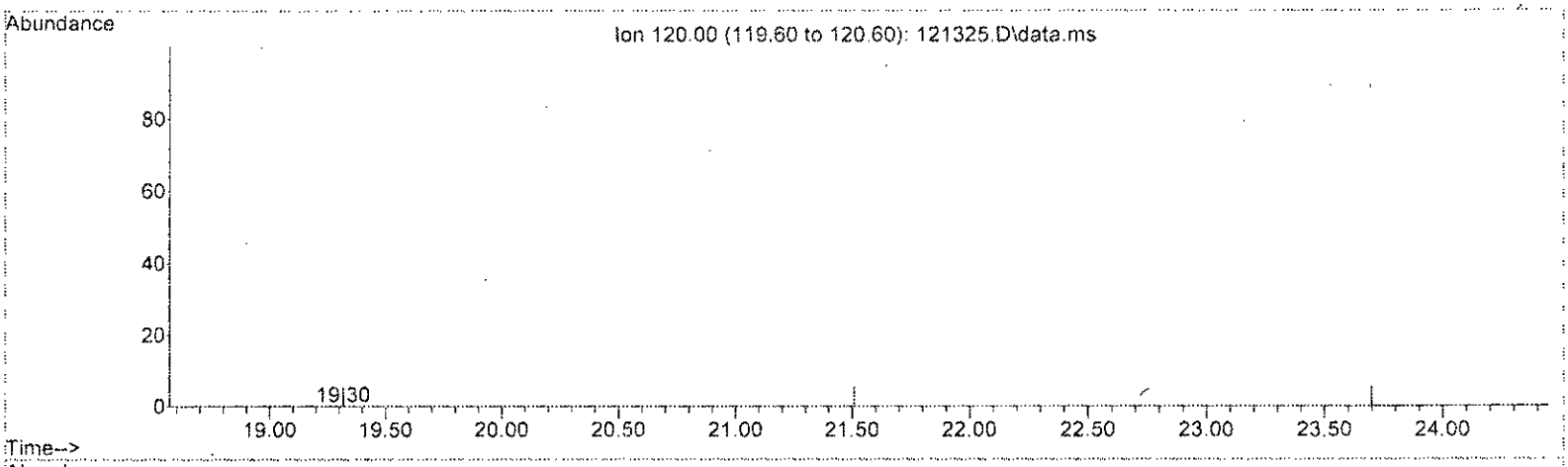
response -552335

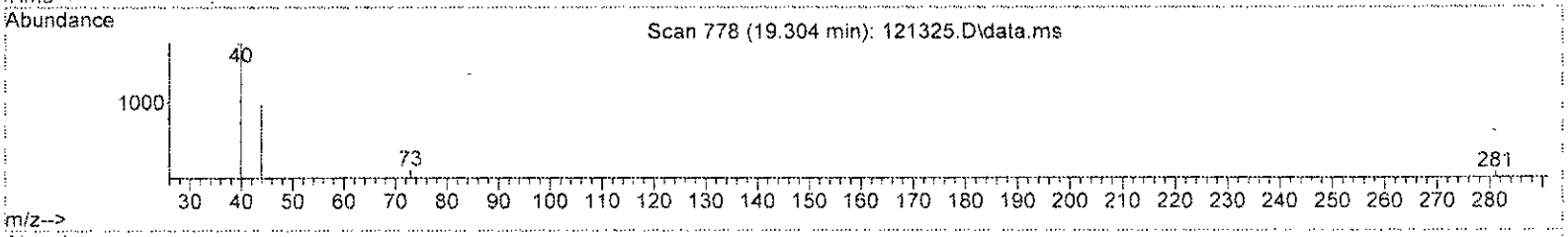
Ion	Exp%	Act%
120.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

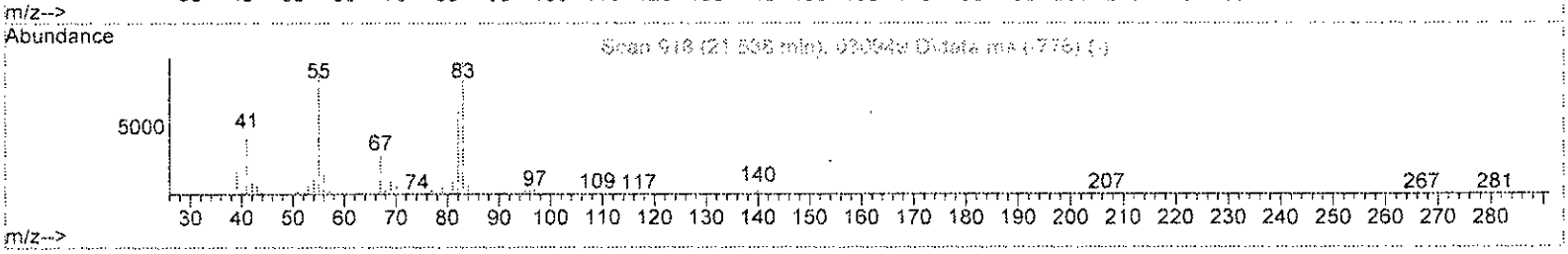
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121325.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) 0.000 ug/m3 m

response 0

Ion	Exp%	Act%
120.00	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51119	50.000	ug/m3	# 0.00
10) 1,4-Difluorobenzene	13.14	114	205145	50.000	ug/m3	0.00
20) Chlorobenzene-d5	18.13	117	187844	50.000	ug/m3	0.00
System Monitoring Compounds						
37) 4-Bromofluorobenzene	19.58	95	109328	60.201	ug/m3	0.00
Spiked Amount 71.000	Range 70 - 130		Recovery =	84.79%		
Target Compounds						Qvalue
2) IS-1 Bromochloromethane	9.88	TIC	411460m	50.722	ug/m3	
3) IS-2 1,4-Difluorobenzene	13.14	TIC	538389	49.907	ug/m3	94
4) IS-3 Chlorobenzene-d5	18.13	TIC	625034	46.512	ug/m3	95
5) Methylene chloride	6.78	TIC	46338	254.557	ug/m3	93
6) Acetone	5.53	TIC	19851	12.933	ppbv	100
7) 2-Propanol	5.80	TIC	4348	0.607	ppbv	100
8) 1,3-Butadiene	0.00		0	N.D.		
9) Methyl t-butyl ether	0.00		0	N.D.		
11) Benzene	12.62	78	305	0.039	ug/m3	61
12) Isopentane	5.53	TIC	19851	1.454	ug/m3#	52
13) Hexane	9.88	TIC	423603	30.022	ug/m3	61
14) Cyclohexane	13.14	TIC	539428	35.337	ug/m3	94
15) 2,3-Dimethylpentane	13.54	TIC	2139	0.110	ug/m3#	65
16) Heptane	14.48	TIC	1681	0.112	ug/m3	61
17) Octane	17.36	TIC	1814	0.186	ug/m3#	67
18) APH EC5-8 aliphatics T...	12.41	TIC	988516m	67.619	ug/m3	
19) APH EC5-8 aliphatics	12.35	TIC	2419729m	165.521	ug/m3	
21) S 4-Bromofluorobenzene	19.58	TIC	554234	44.293	ug/m3	96
22) Hexamethylcyclotrisilo...	17.72	TIC	134959	38.107	ppbv	100
23) Octamethylcyclotetrasi...	20.64	TIC	32951	41.408	ppbv	100
24) Toluene	16.34	92	151	0.033	ug/m3#	1
25) Ethylbenzene	18.54	91	68	N.D.		
26) m,p-Xylene	0.00		0	N.D.		
27) o-Xylene	0.00		0	N.D.		
28) Naphthalene	0.00		0	N.D.		
29) 2,3-Dimethylheptane	18.70	TIC	3523	0.194	ug/m3#	60
30) Nonane	19.30	TIC	1284	0.074	ug/m3#	60
31) Decane	20.90	TIC	12320	1.672	ug/m3	79
32) Butylcyclohexane	21.55	TIC	124499	5.574	ug/m3	64
33) Undecane	22.20	TIC	5626	1.636	ug/m3	88
34) Dodecane	23.39	TIC	9039	5.734	ug/m3	88
35) APH EC9-12 aliphatics ...	21.55	TIC	156291m	9.700	ug/m3	
36) APH EC9-12 aliphatics	21.59	TIC	1213836m	75.339	ug/m3	
38) Isopropylbenzene	0.00		0	N.D.		
39) 1-Methyl-3-ethylbenzene	0.00		0	N.D.		
40) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
41) p-Isopropyltoluene	0.00		0	N.D.		
42) 1,2,3-Trimethylbenzene	0.00		0	N.D.		

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

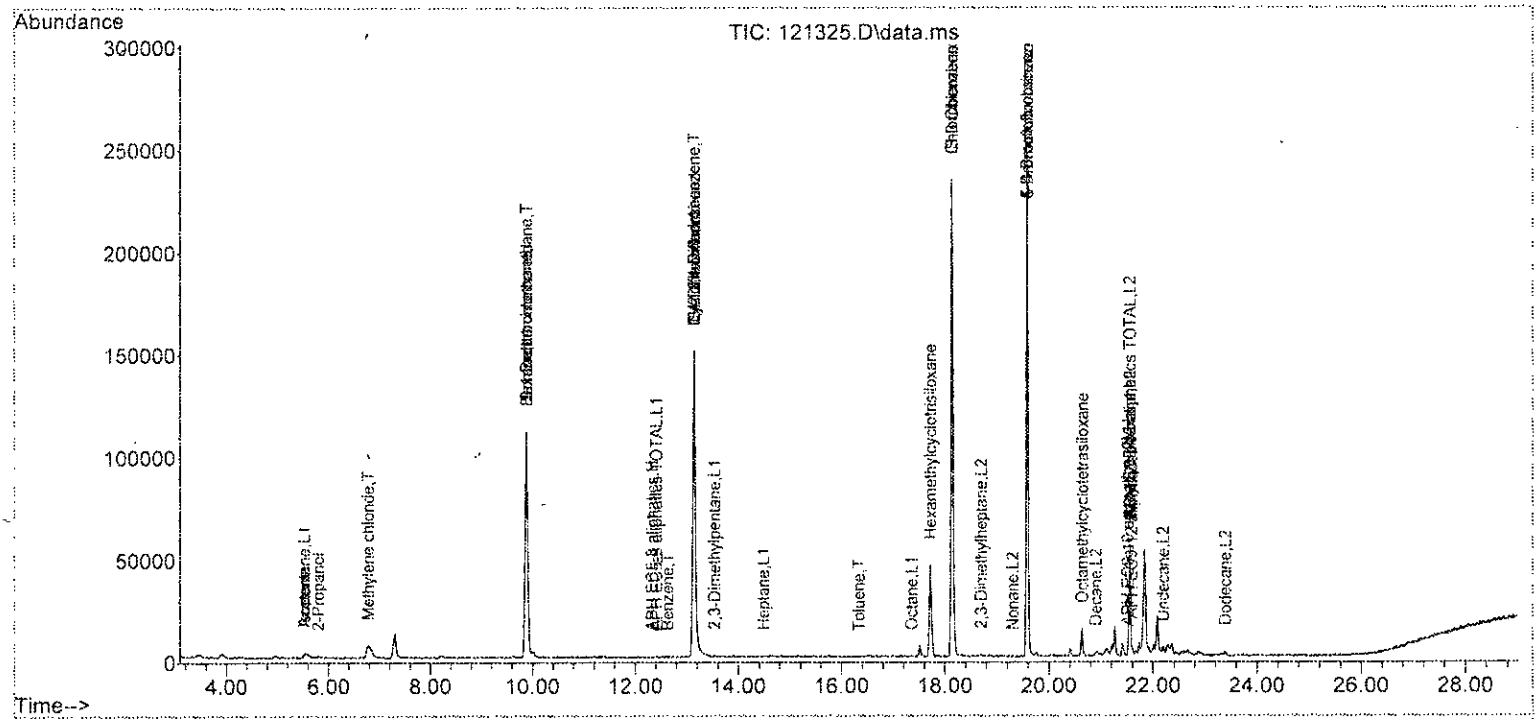
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) APH EC9-10 aromatics T...	21.55		0	N.D.		
44) APH EC9-10 aromatics (1)	21.51		0	N.D.		
45) APH EC9-10 aromatics (2)	21.51	134	133m	0.102	ug/m3	

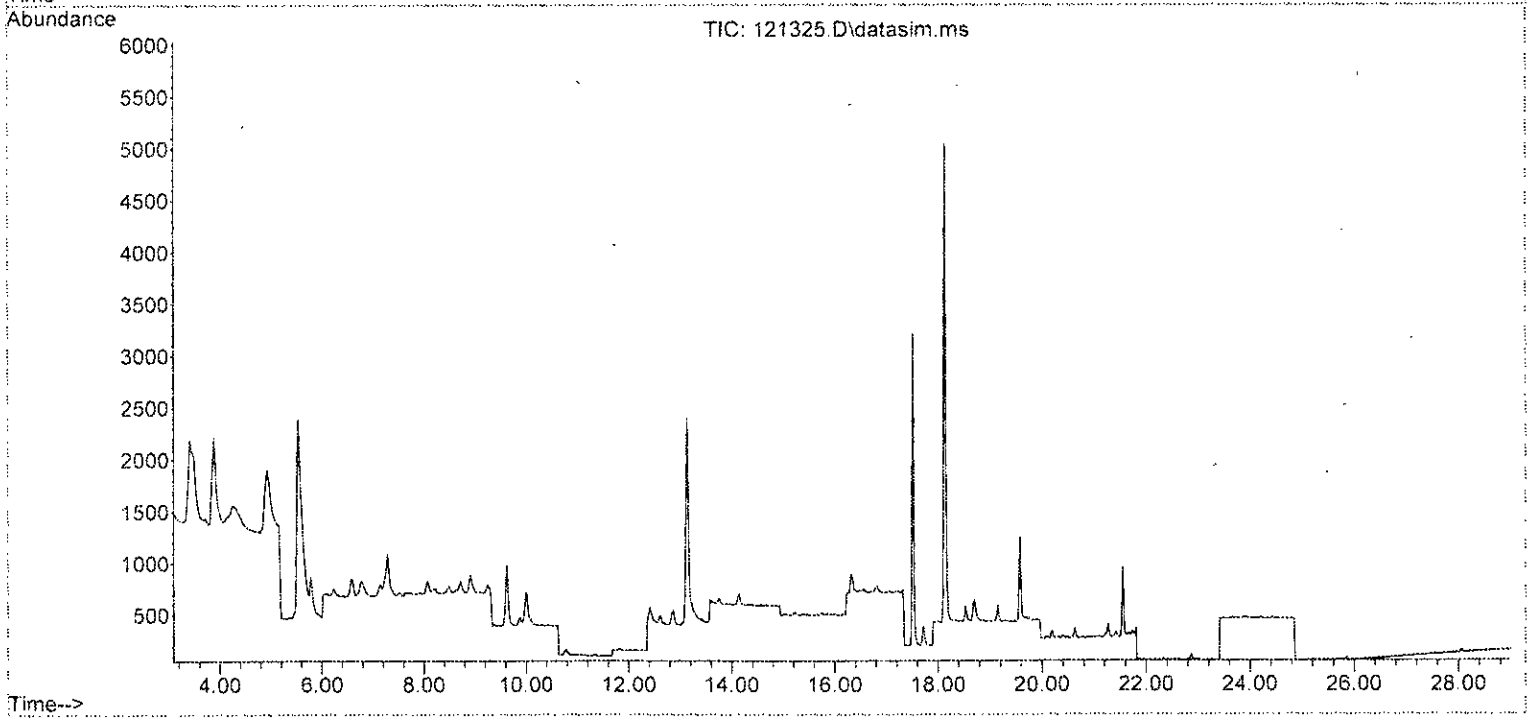
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:50:50 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:48:55 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

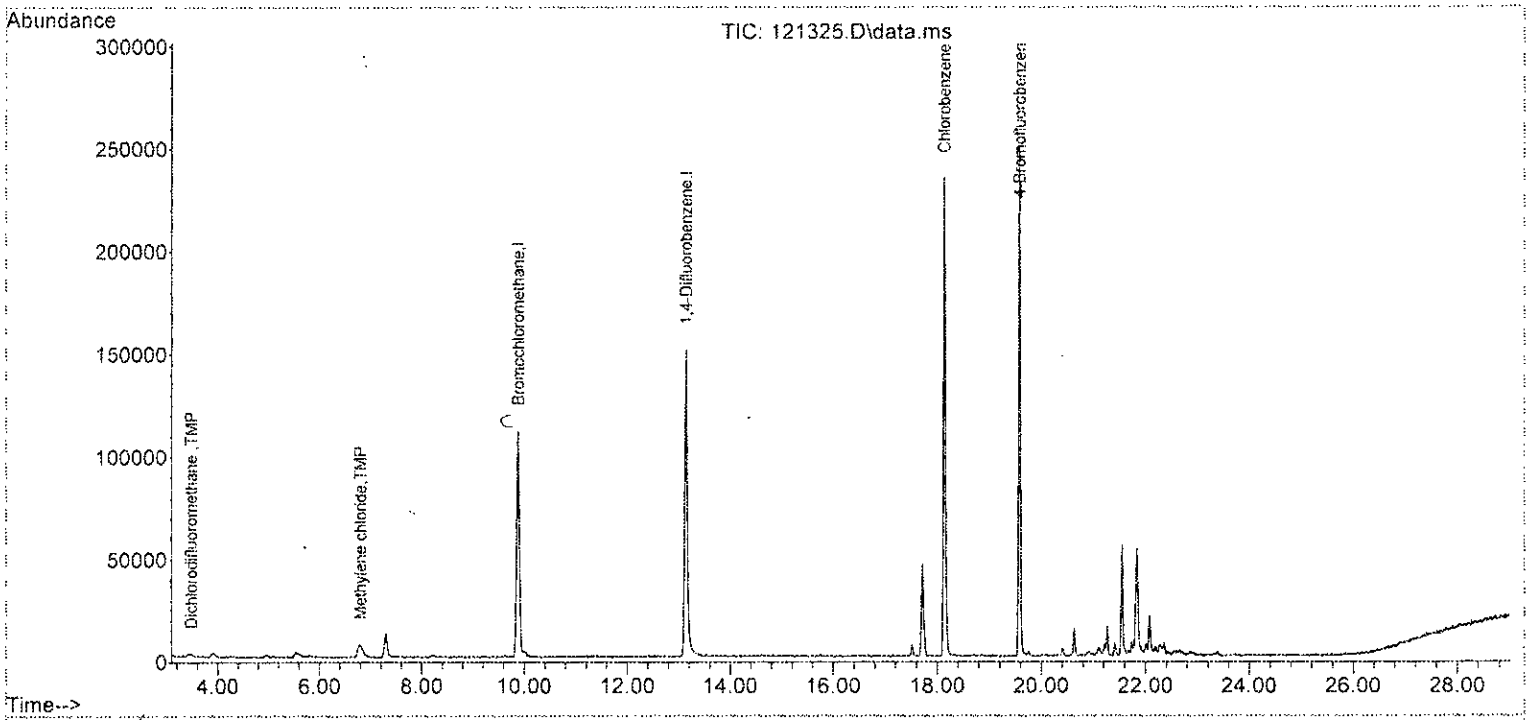
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51119	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	205145	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	187844	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	109328	8.398	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	3.49	85	2058	0.098	ppbv	95
20) Methylene chloride	6.80	84	8541	1.130	ppbv	95
28] cis-1,2-Dichloroethene	9.62	96	710	0.082	ppbv	86
30] Chloroform	10.08	83	110	0.001	ppbv	96
37] Benzene	12.61	78	494	Below Cal		90
53] Tetrachloroethene	17.52	164	1529	0.152	ppbv	91
77] Naphthalene	23.46	128	262	Below Cal	#	1

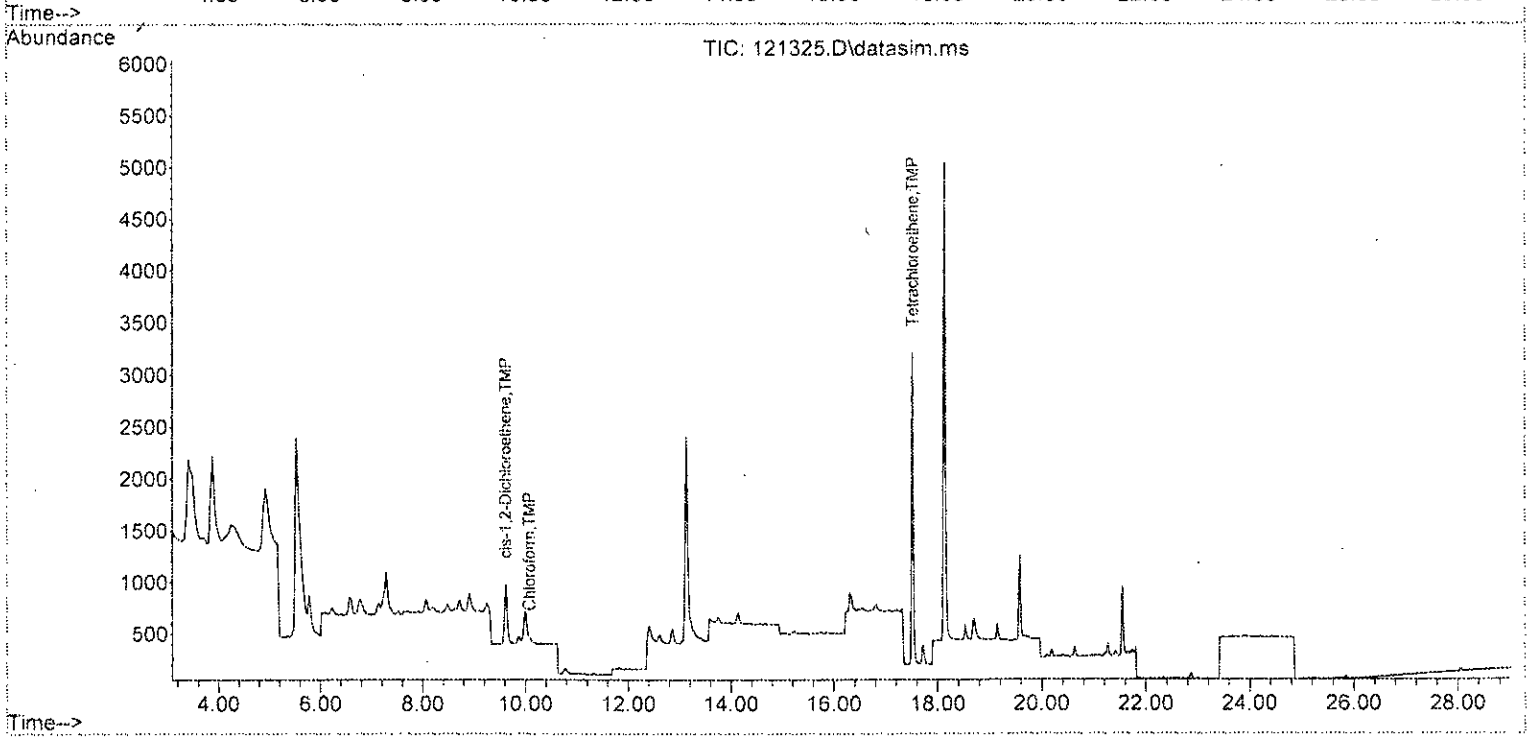
(#) = qualifier out of range (m) = manual integration (+) = signals summed

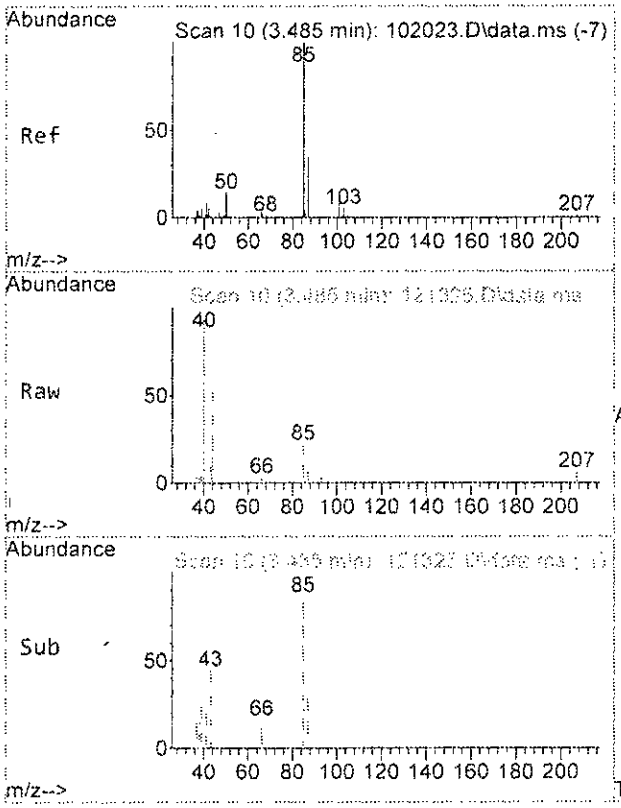
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:48:55 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



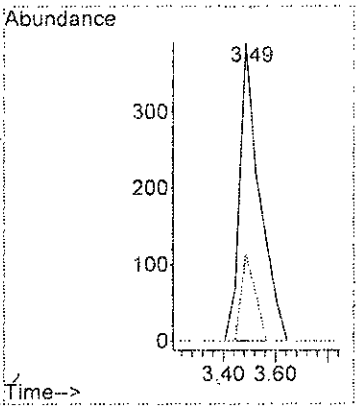


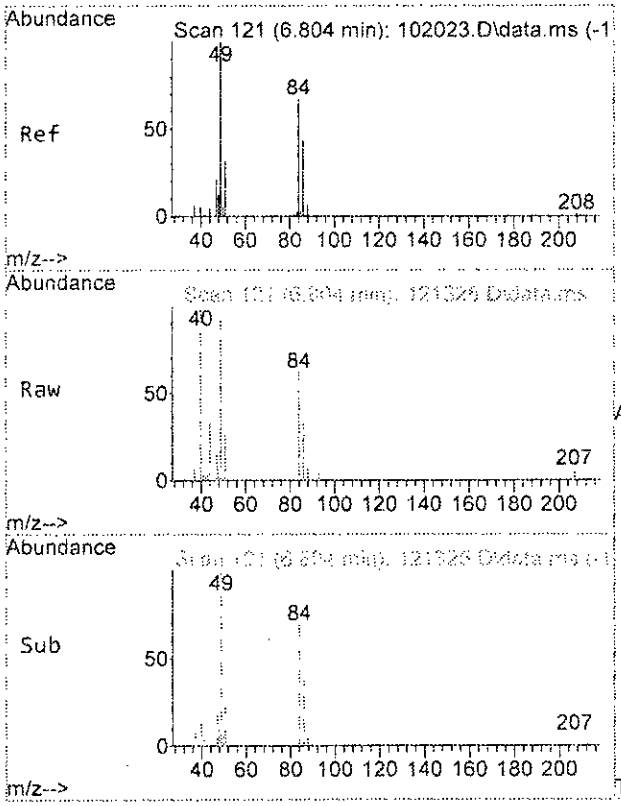


#3
Dichlorodifluoromethane
Concen: 0.098 ppbv
RT: 3.49 min Scan# 10
Delta R.T. 0.000 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion: 85 Resp: 2058

Ion	Ratio	Lower	Upper
85	100		
87	29.2	2.2	62.2

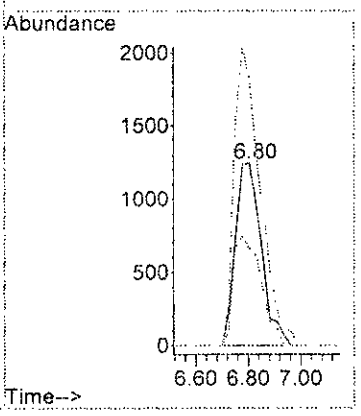


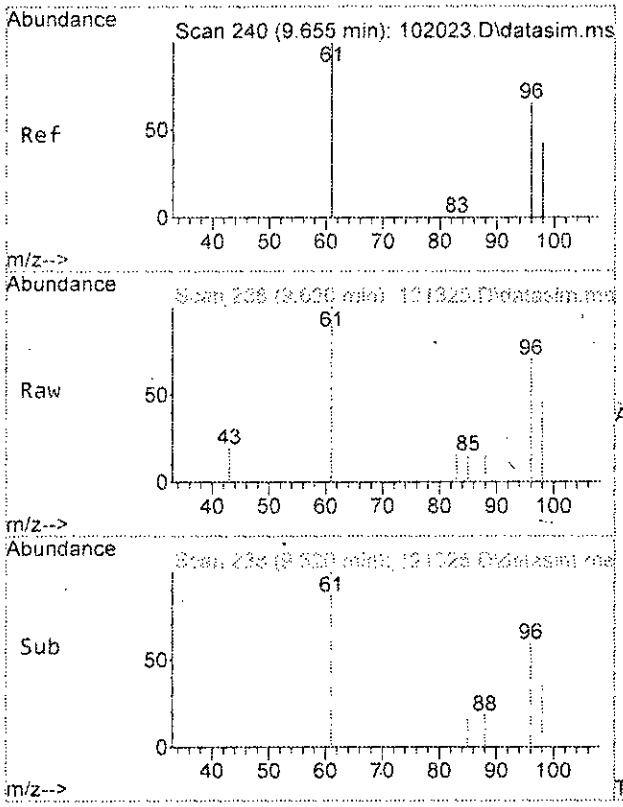


#20
Methylene chloride
Concen: 1.130 ppbv
RT: 6.80 min Scan# 121
Delta R.T. 0.000 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion: 84 Resp: 8541

Ion	Ratio	Lower	Upper
84	100		
86	53.3	33.9	93.9
49	145.6	116.6	176.6

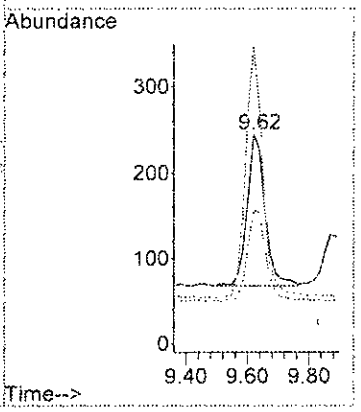


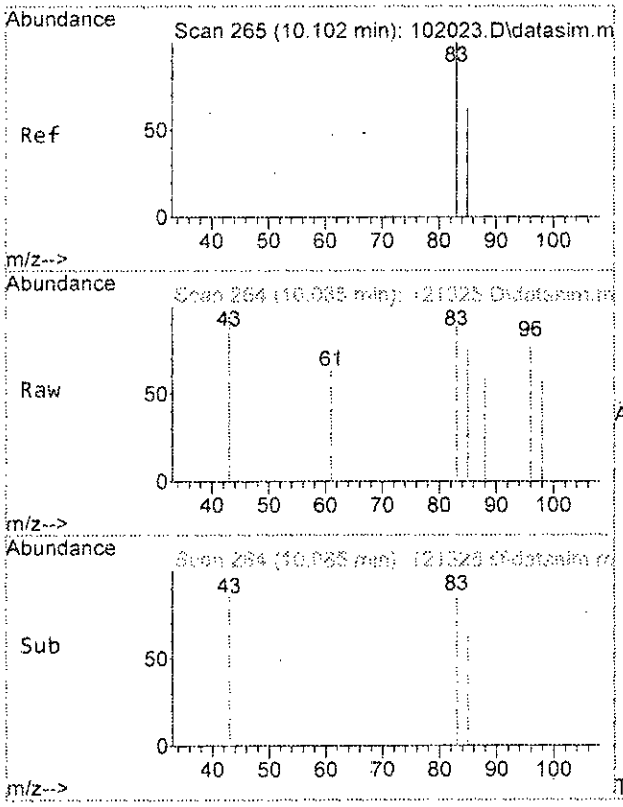


#28
cis-1,2-Dichloroethene
Concen: 0.082 ppbv
RT: 9.62 min Scan# 238
Delta R.T. -0.018 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion: 96 Resp: 710

Ion	Ratio	Lower	Upper
96	100		
61	166.7	116.0	176.0
98	59.3	35.2	95.2

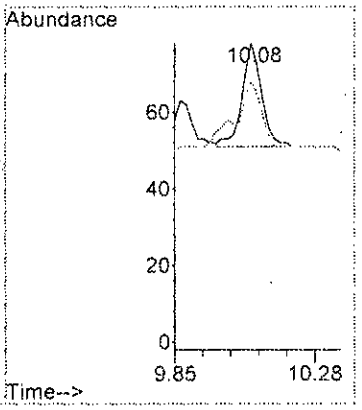


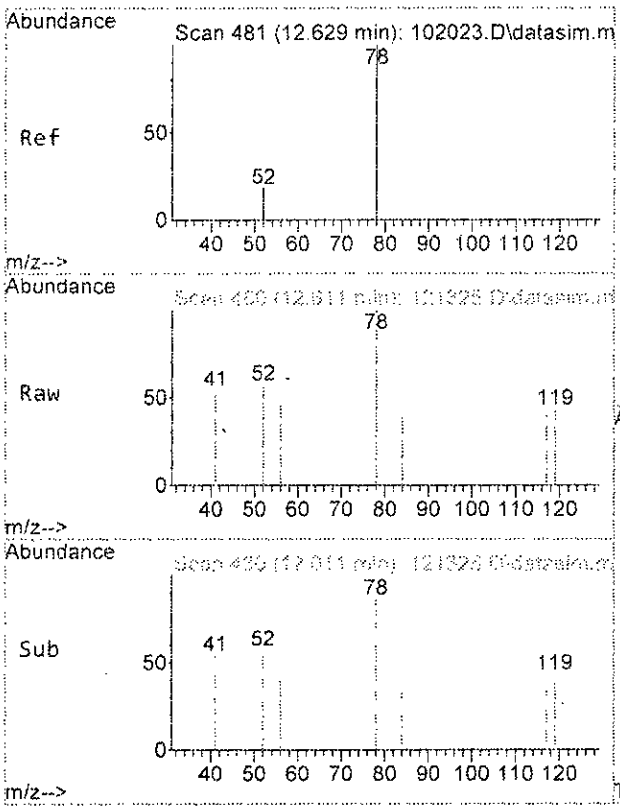


#30
Chloroform
Concen: 0.001 ppbv
RT: 10.08 min Scan# 264
Delta R.T. -0.017 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion: 83 Resp: 110

Ion	Ratio	Lower	Upper
83	100		
85	63.0	36.3	96.3

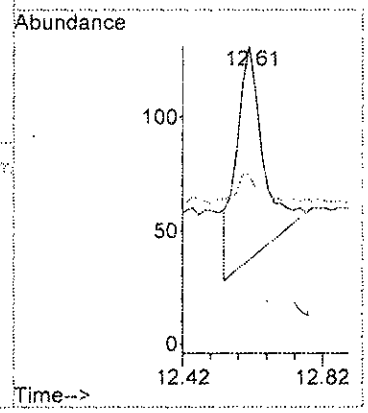


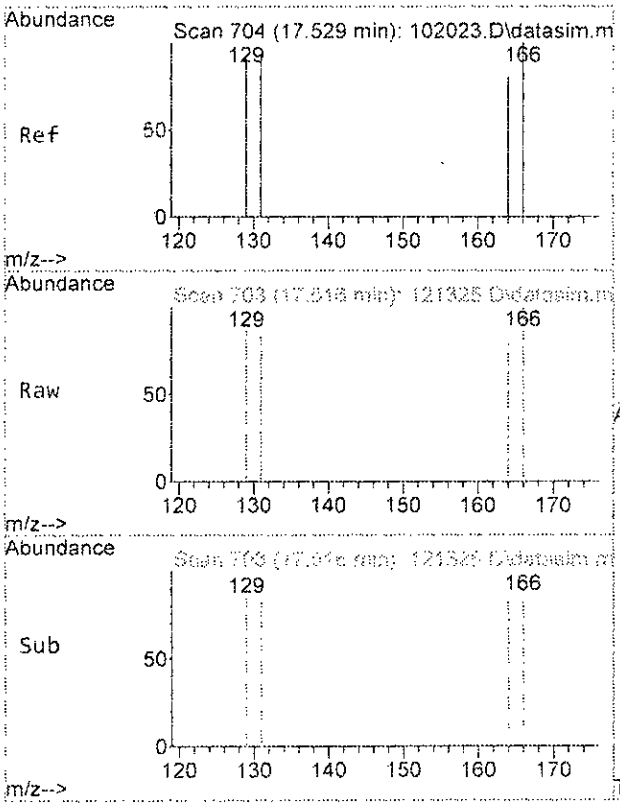


#37
Benzene
Concen: Below Cal
RT: 12.61 min Scan# 480
Delta R.T. 0.000 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion: 78 Resp: 494

Ion	Ratio	Lower	Upper
78	100		
52	15.1	0.0	49.7

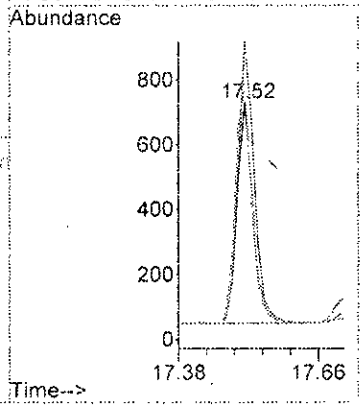


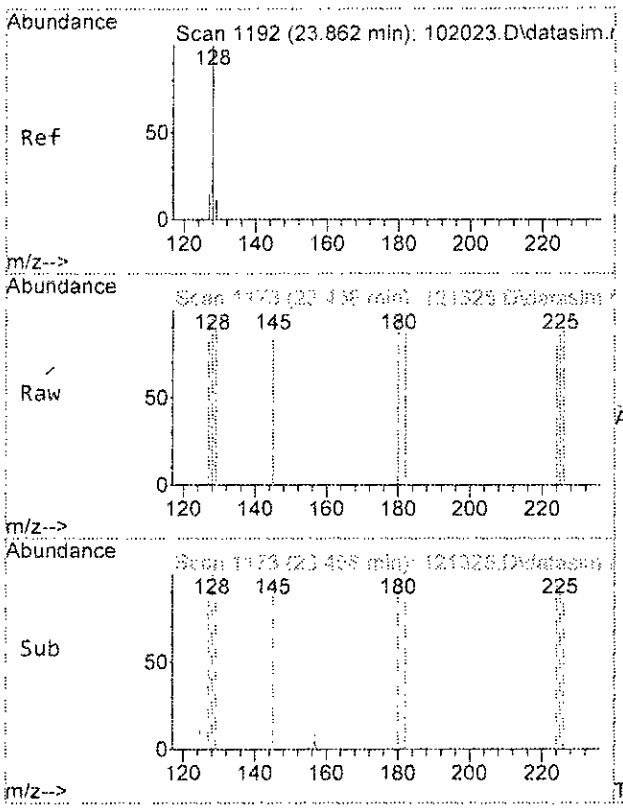


#53
Tetrachloroethene
Concen: 0.152 ppbv
RT: 17.52 min Scan# 703
Delta R.T. 0.000 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion:164 Resp: 1529

Ion	Ratio	Lower	Upper
164	100		
129	108.1	63.2	123.2
131	106.2	70.7	130.7
166	128.1	107.5	167.5

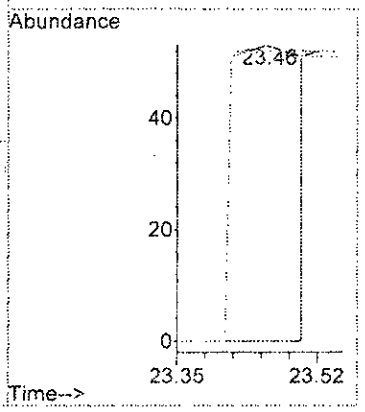




#77
Naphthalene
Concen: Below Cal
RT: 23.46 min Scan# 1173
Delta R.T. -0.383 min
Lab File: 121325.D
Acq: 14 Dec 2022 6:07 am

Tgt Ion:128 Resp: 262

Ion	Ratio	Lower	Upper
128	100		
129	98.1	0.0	41.0#
127	94.3	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:48:55 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51119	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	205145	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	187844	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	109328	8.398	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	84.00%		
Target Compounds						Qvalue
2) Propene	3.45	41	868	N.D.		
3) Dichlorodifluoromethane	3.49	85	2058	0.098	ppbv	95
4) Chloromethane	3.73	50	238	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.36	43	1106	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	4.96	45	3093	N.D.		
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	5.80	101	813	N.D.		
16) Acetone	5.53	58	3231	N.D.		
17) 2-Propanol	5.80	45	1093	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	8.07	96	150	N.D.		
20) Methylene chloride	6.80	84	8541	1.130	ppbv	95
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	6.80	41	581	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.23	76	1026	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	8.51	43	216	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28] cis-1,2-Dichloroethene	9.62	96	710	0.082	ppbv	86
29) Hexane	9.99	57	1728	N.D.		
30] Chloroform	10.08	83	110	0.001	ppbv	96
31) Ethyl acetate	10.03	43	1518	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.73	97	203	N.D.		
36) Carbon tetrachloride	12.86	117	251	N.D.		
37] Benzene	12.61	78	494	Below Cal		90
38) Cyclohexane	13.14	84	1234	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : T10
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 14:48:55 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

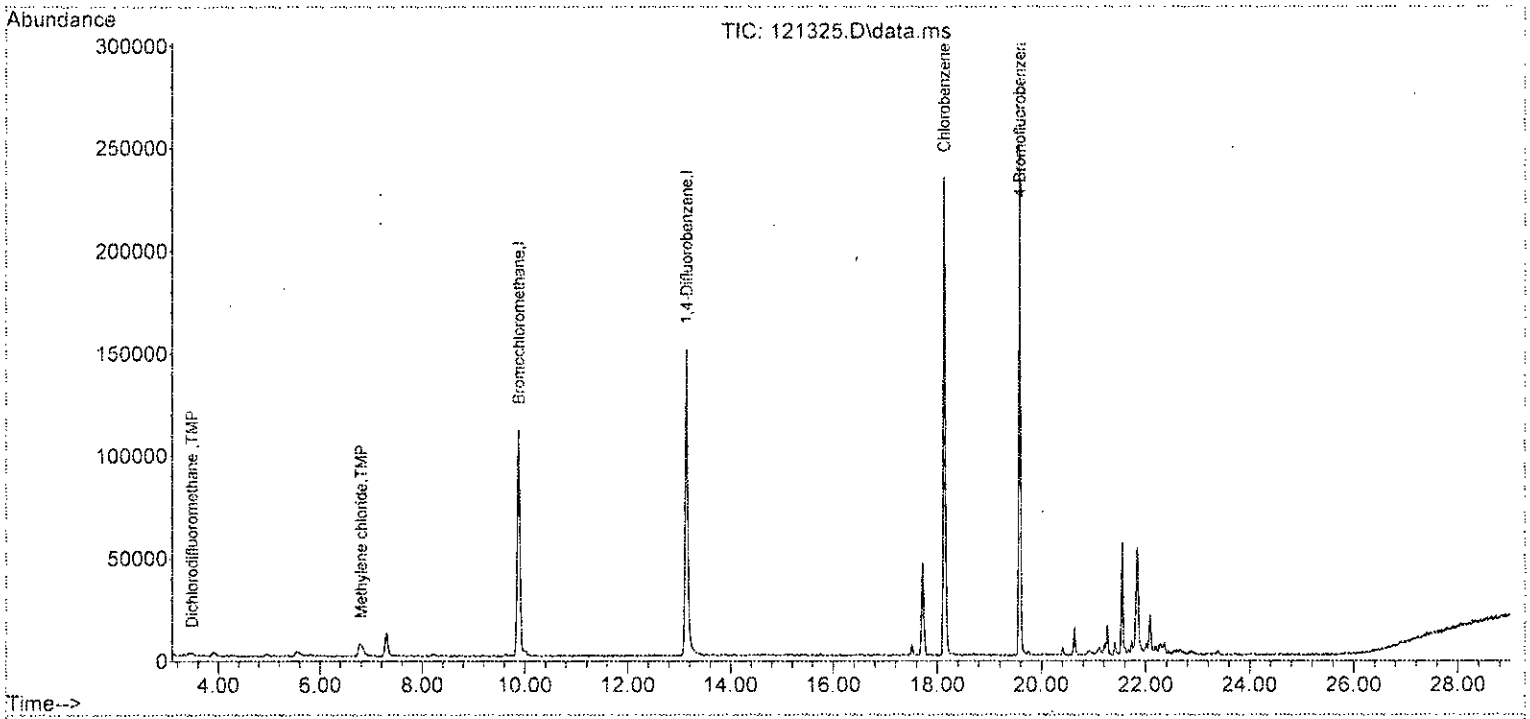
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.		
44) Heptane	0.00		0	N.D.		
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	14.14	95	117	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	16.31	92	1673	N.D.		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.		
53] Tetrachloroethene	17.52	164	1529	0.152	ppbv	91
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	18.53	91	266	N.D.		
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	19.62	43	288	N.D.		
61) Isopropylbenzene	19.60	105	188	N.D.		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.		
64) 4-Ethyltoluene	20.30	105	254	N.D.		
65) m,p-Xylene	18.70	106	218	N.D.		
66) o-Xylene	18.70	106	153	N.D.		
67) Styrene	0.00		0	N.D.		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D. d		
71) 1,3,5-Trimethylbenzene	20.39	105	112	N.D.		
72) 1,2,4-Trimethylbenzene	20.61	105	100	N.D.		
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77] Naphthalene	23.46	128	262	Below Cal #		1
78) Hexachlorobutadiene	0.00		0	N.D.		

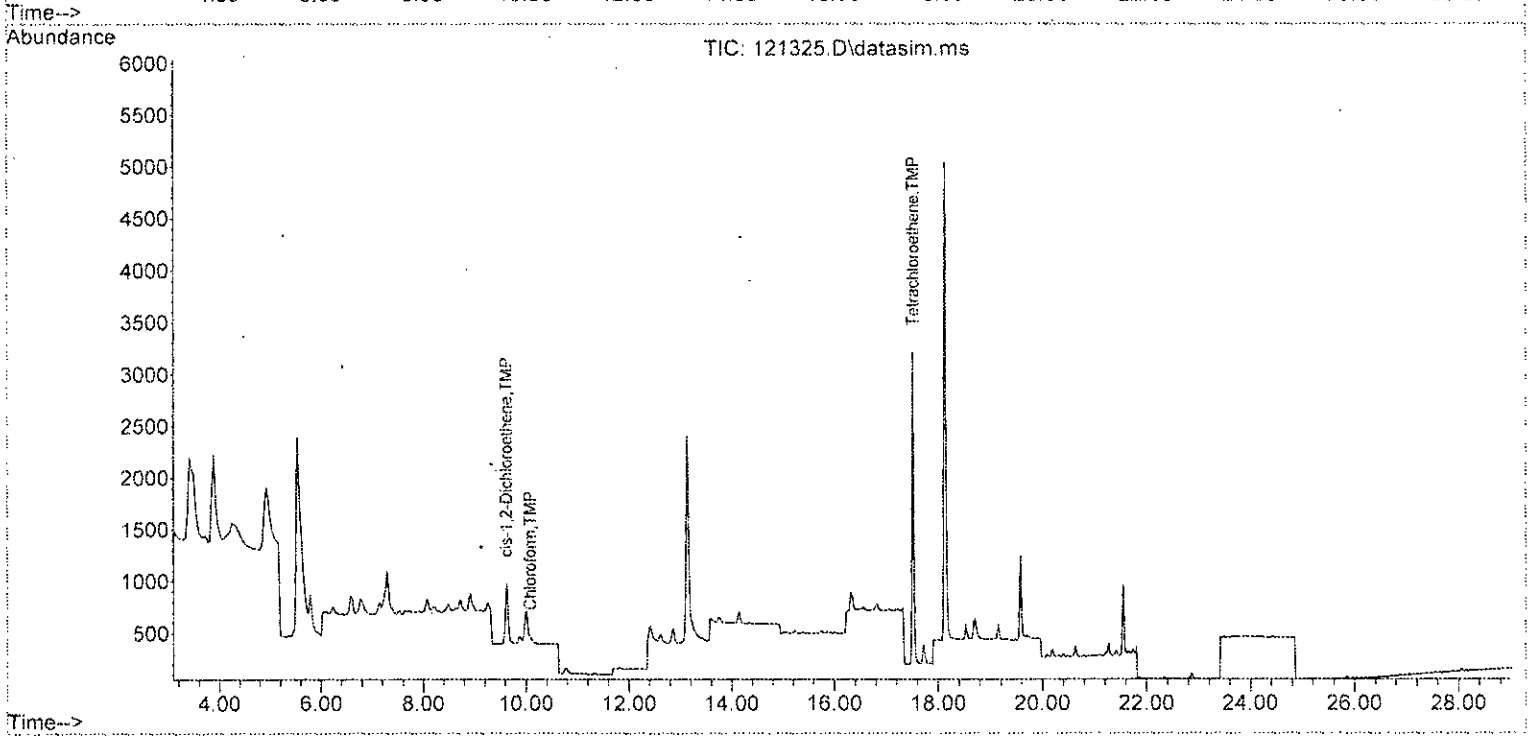
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121325.D
Acq On : 14 Dec 2022 6:07 am
Operator : bat
Sample : 212012-01 1/5.0
Misc : TI0
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

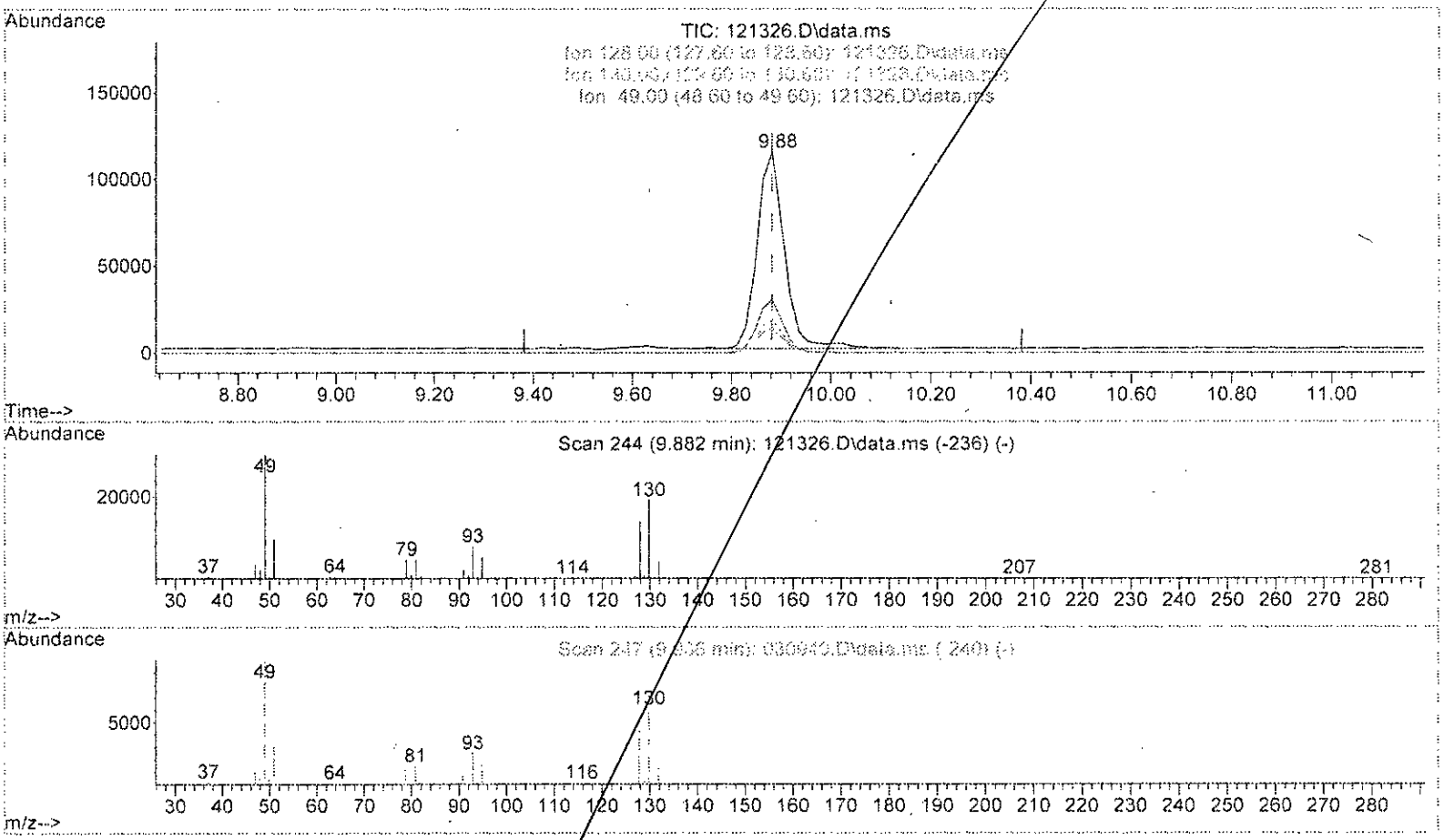
Quant Time: Dec 15 14:48:55 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(2) IS-1 Bromochloromethane (T)

9.882min (+ 0.000) 52.357 ug/m3

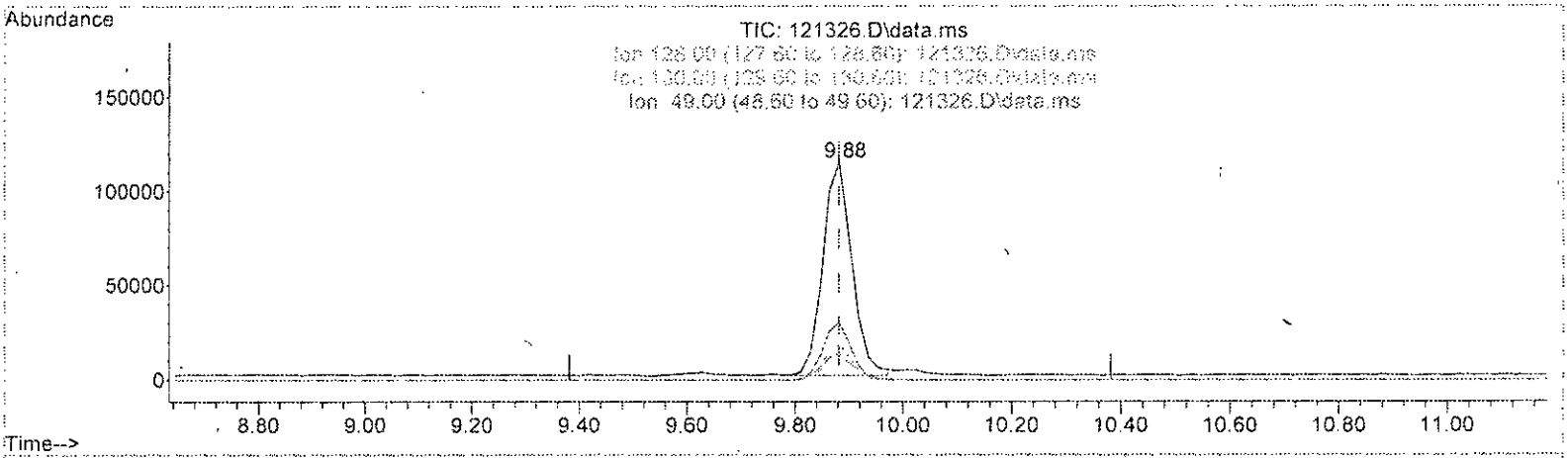
response 432584

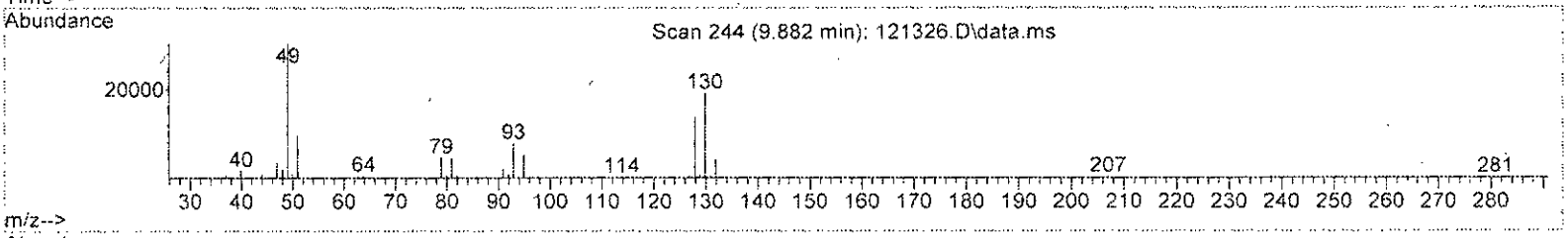
Signal	Exp%	Act%
TIC	100.00	100.00
128.00	14.80	12.34
130.00	19.20	16.84
49.00	20.60	26.82

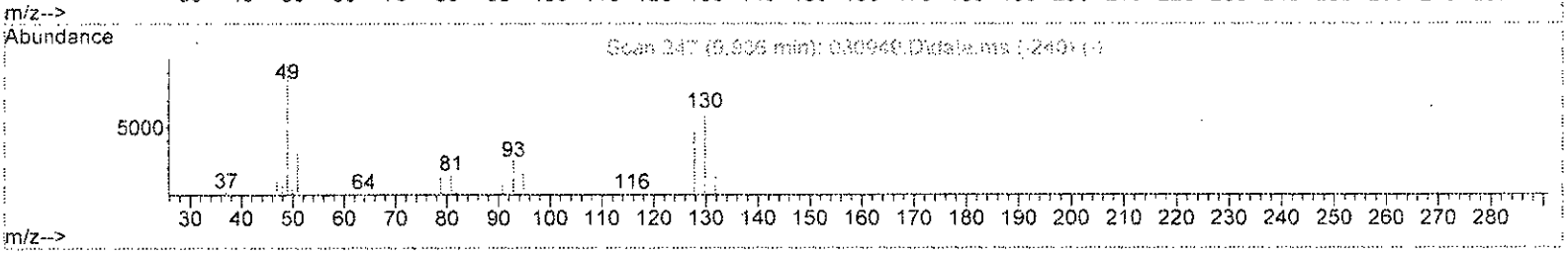
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121326.D\data.ms

(2) IS-1 Bromochloromethane (T)

9.882min (+ 0.000) 50.738 ug/m3 m

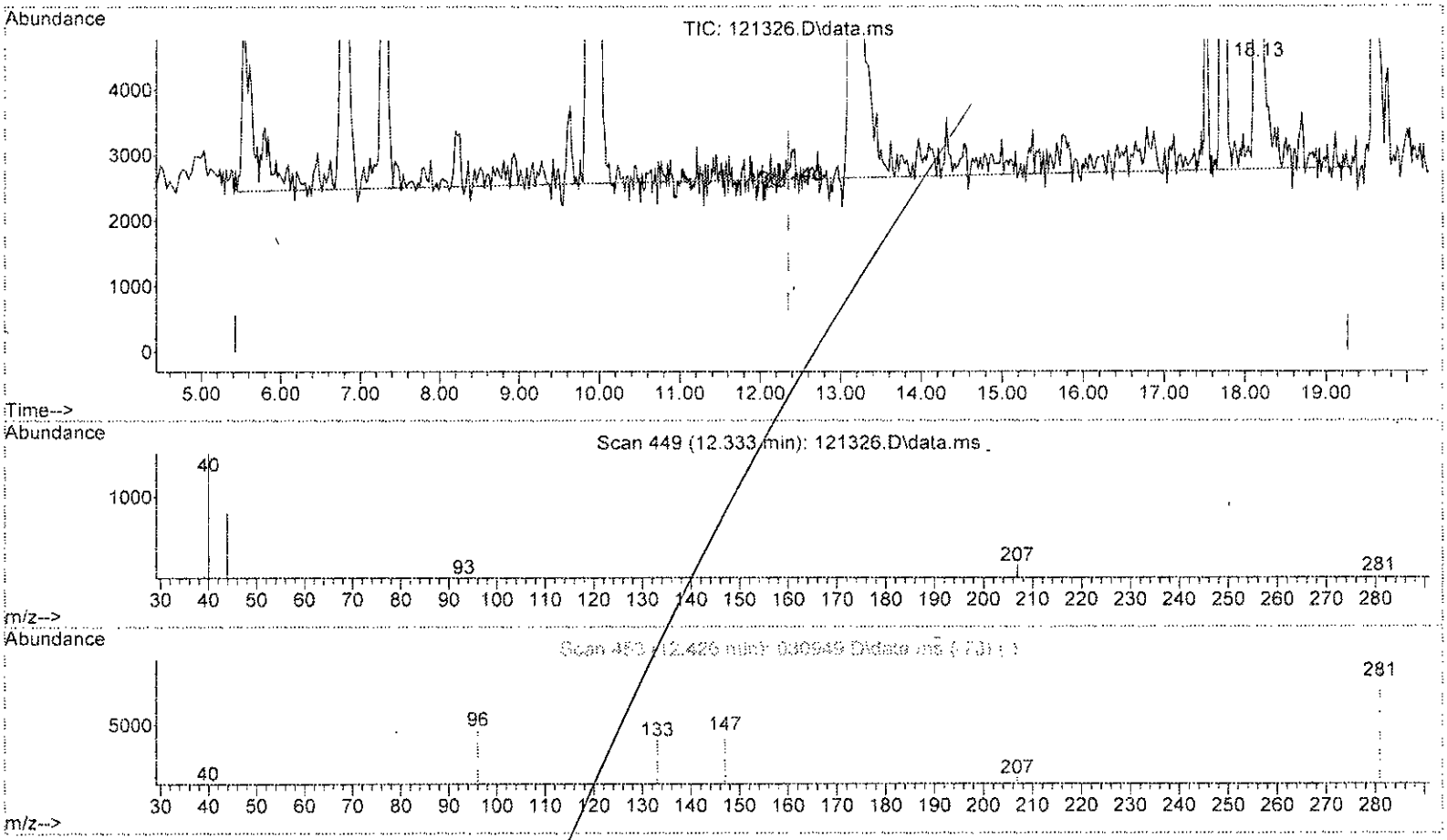
response 419207

Signal	Exp%	Act%
TIC	100.00	100.00
128.00	14.80	12.73
130.00	19.20	17.38
49.00	20.60	27.67

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 32.875 ug/m3 m

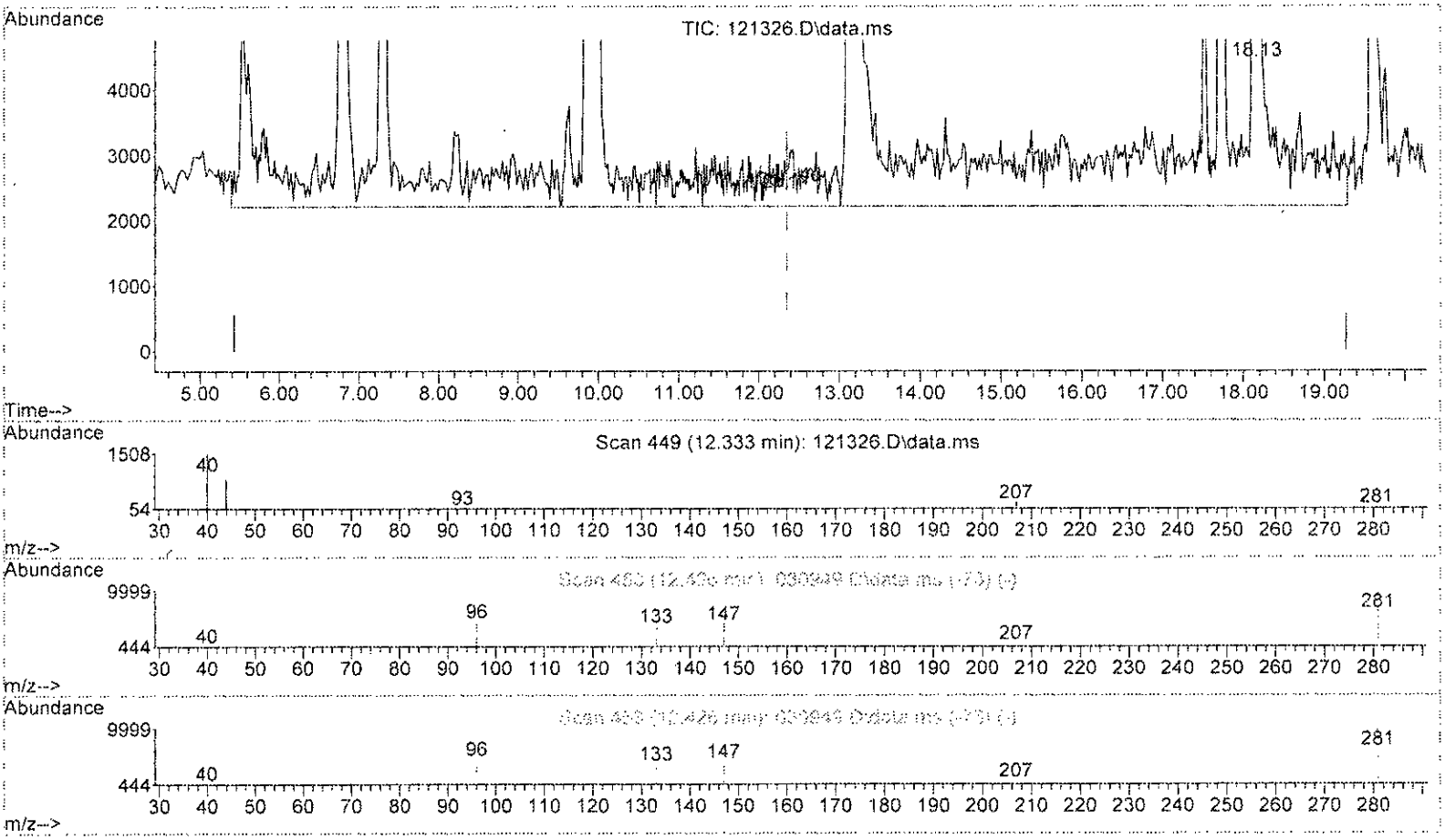
response 489197

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 163.418 ug/m3 m

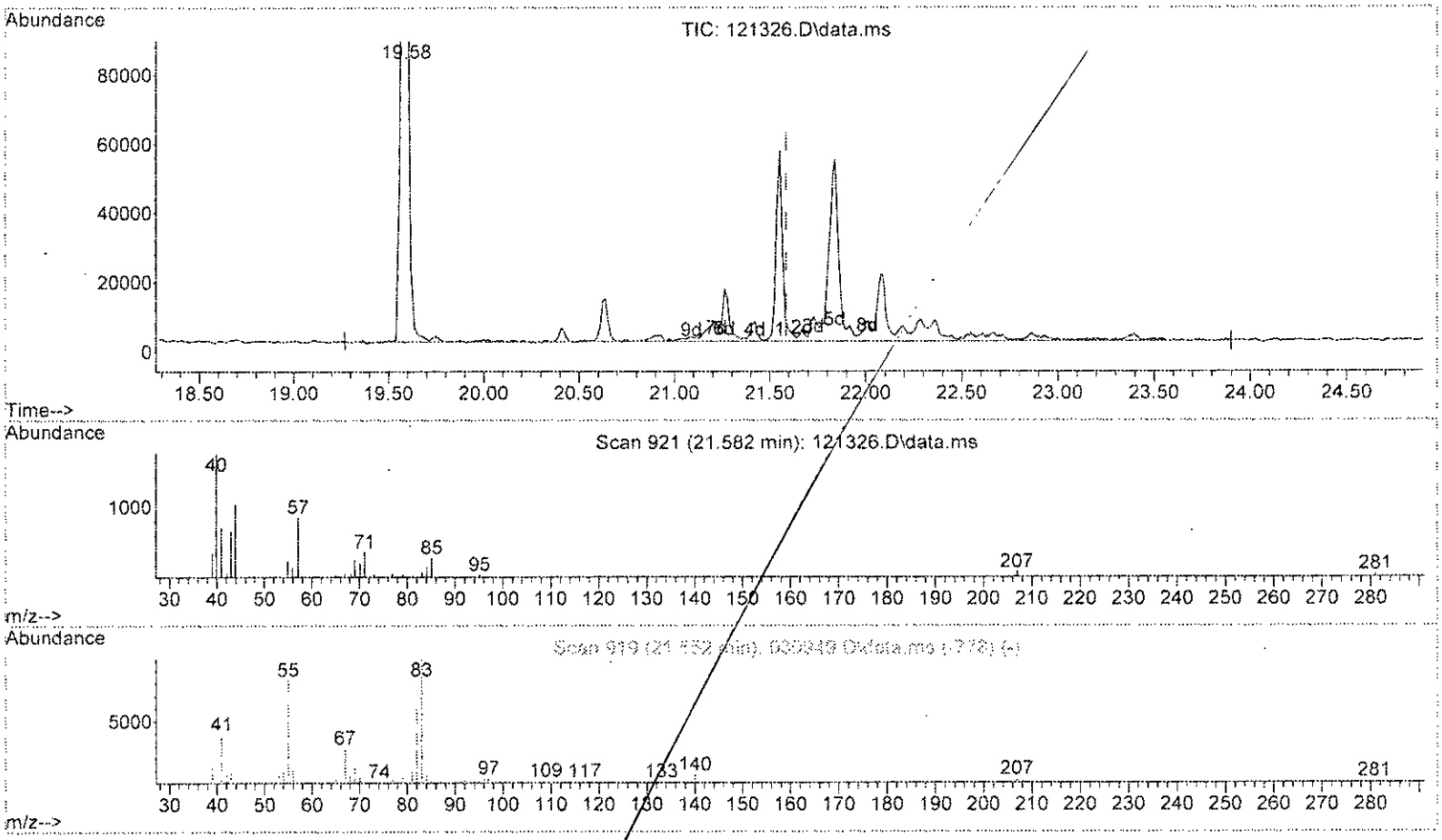
response 2431745

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 33.205 ug/m3 m

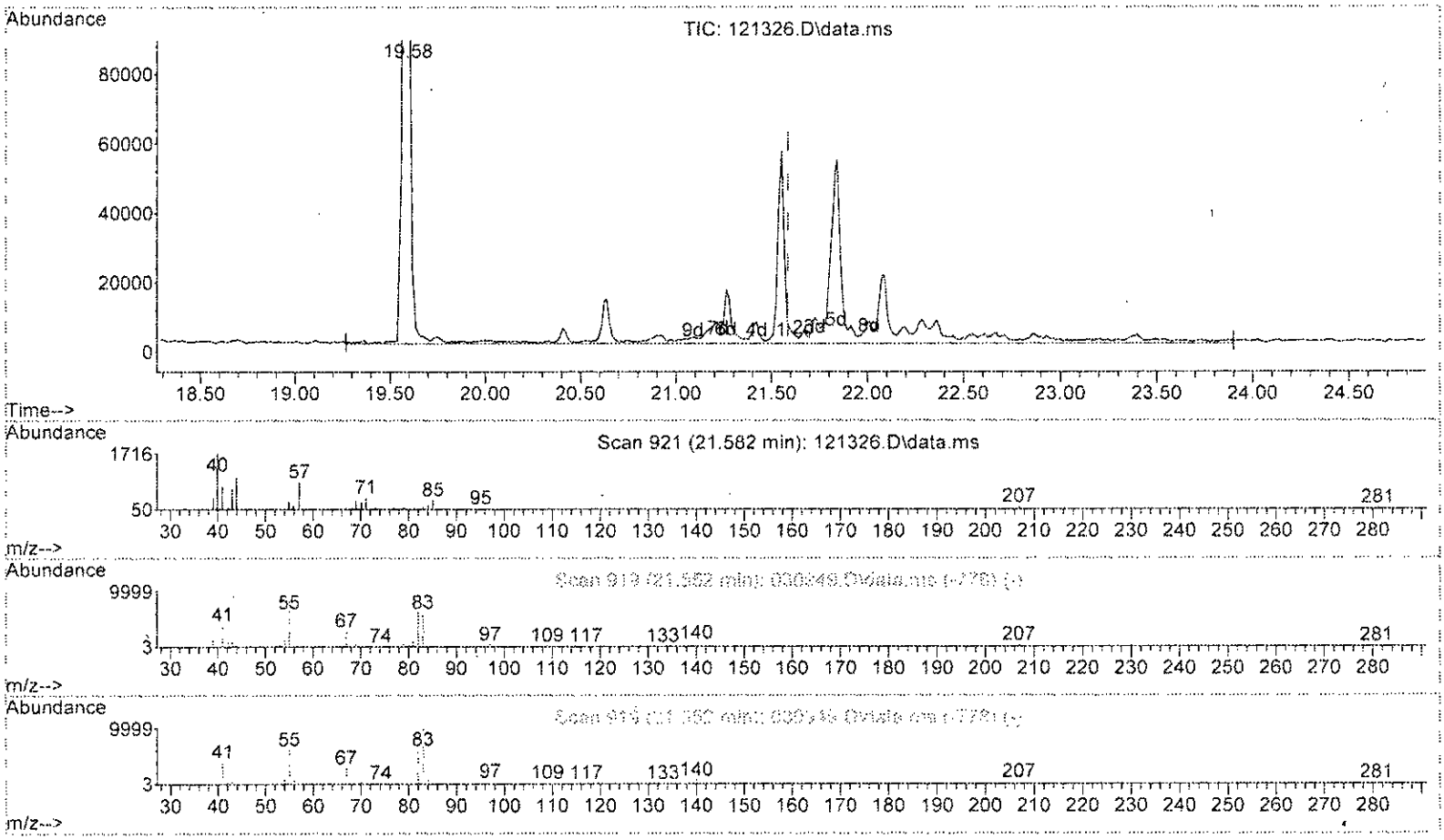
response 547945

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 74.827 ug/m3 m

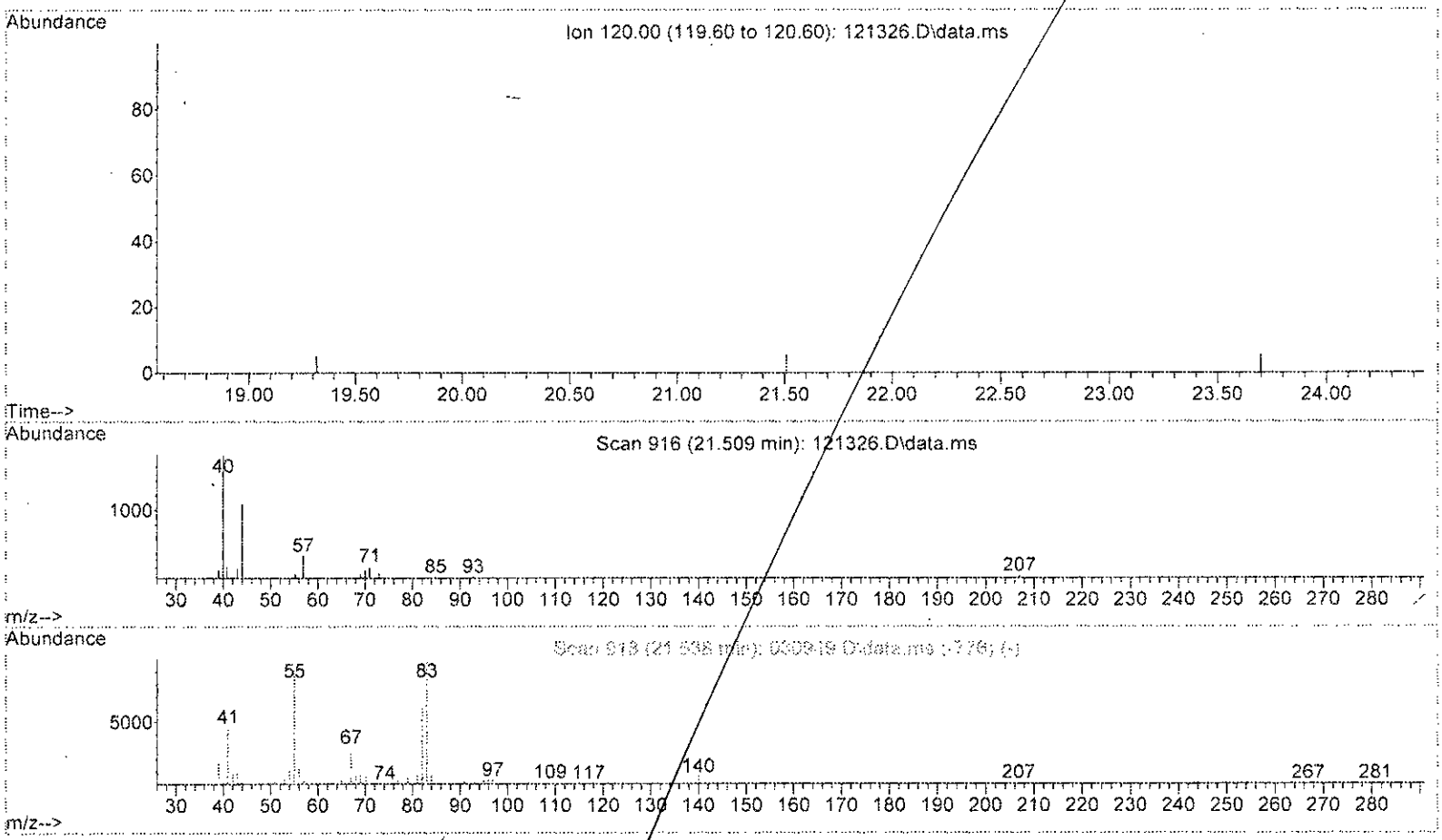
response 1234784

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) -243.629 ug/m3 m

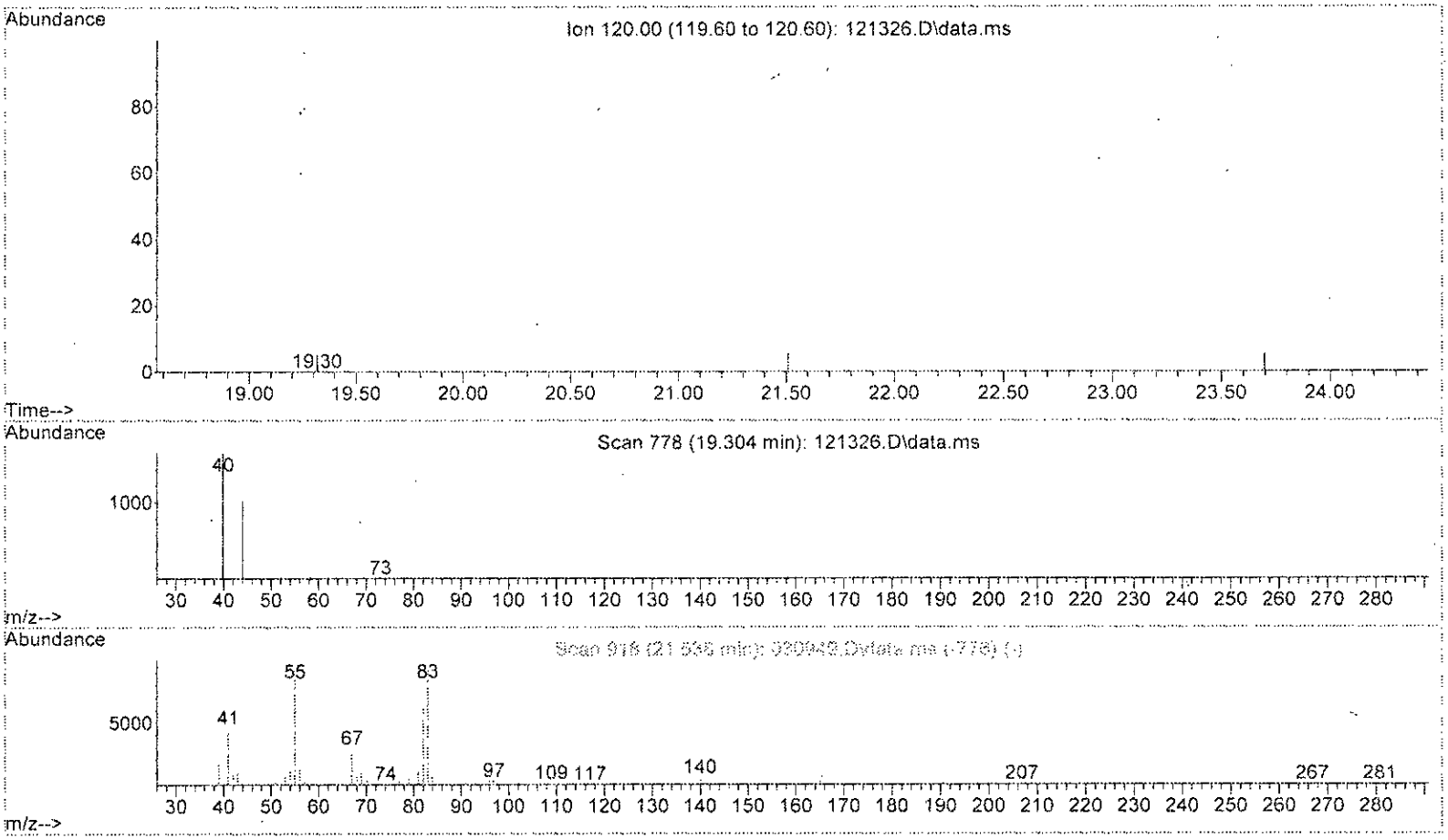
response -559573

Ion	Exp%	Act%
120.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) 0.000 ug/m3 m

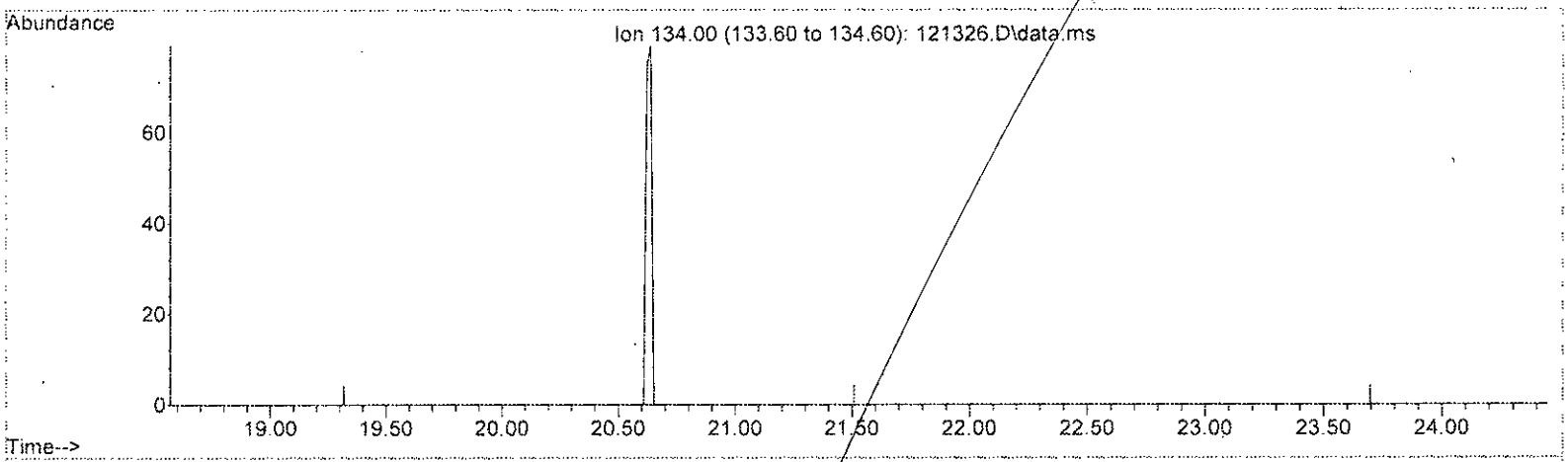
response 0

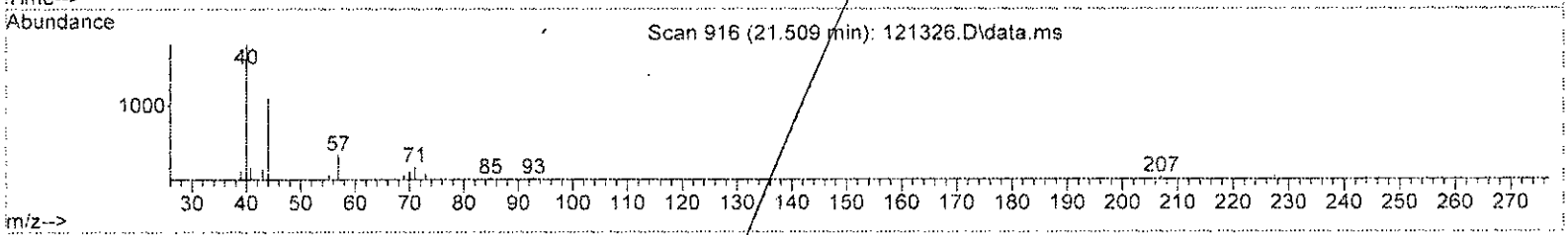
Ion	Exp%	Act%
120.00	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

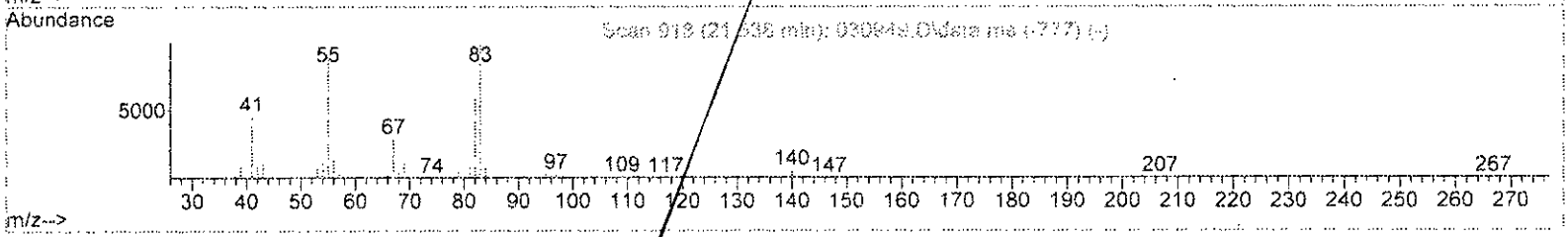
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121326.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) -419.375 ug/m3 m

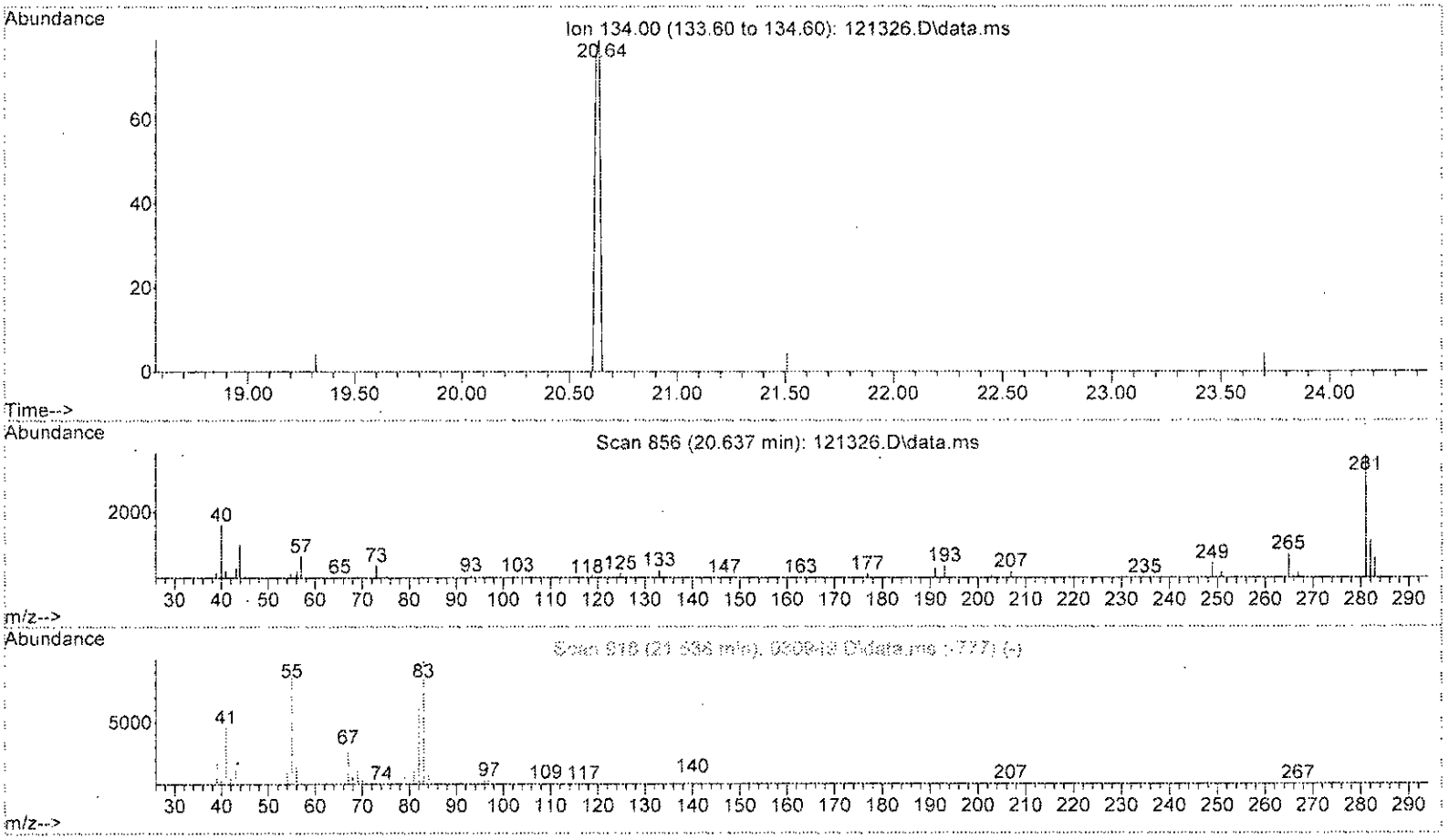
response -559464

Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) 0.082 ug/m3 m

response 109

Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/15/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	52065	50.000	ug/m3	# 0.00
10) 1,4-Difluorobenzene	13.14	114	208818	50.000	ug/m3	0.00
20) Chlorobenzene-d5	18.13	117	192391	50.000	ug/m3	0.00
System Monitoring Compounds						
37) 4-Bromofluorobenzene	19.58	95	111935	60.180	ug/m3	0.00
Spiked Amount 71.000	Range 70 - 130		Recovery =	84.76%		
Target Compounds						Qvalue
2) IS-1 Bromochloromethane	9.88	TIC	419207m	50.738	ug/m3	
3) IS-2 1,4-Difluorobenzene	13.14	TIC	553396	50.366	ug/m3	96
4) IS-3 Chlorobenzene-d5	18.13	TIC	631669	46.152	ug/m3	95
5) Methylene chloride	6.78	TIC	46290	249.673	ug/m3	96
6) Acetone	5.53	TIC	20053	12.827	ppbv	100
7) 2-Propanol	5.80	TIC	7424	1.018	ppbv	100
8) 1,3-Butadiene	0.00		0	N.D.		
9) Methyl t-butyl ether	0.00		0	N.D.		
11) Benzene	12.61	78	113	0.014	ug/m3	61
12) Isopentane	5.53	TIC	20053	1.443	ug/m3#	53
13) Hexane	9.88	TIC	432021	30.080	ug/m3	61
14) Cyclohexane	12.96	TIC	3733	0.240	ug/m3	91
15) 2,3-Dimethylpentane	13.14	TIC	553396	28.065	ug/m3	64
16) Heptane	14.53	TIC	3808	0.249	ug/m3	61
17) Octane	17.37	TIC	1444	0.145	ug/m3#	61
18) APH EC5-8 aliphatics T...	12.43	TIC	1014455m	68.173	ug/m3	
19) APH EC5-8 aliphatics	12.35	TIC	2431745m	163.418	ug/m3	
21) S 4-Bromofluorobenzene	19.58	TIC	566342	44.191	ug/m3	95
22) Hexamethylcyclotrisilo...	17.72	TIC	128823	35.515	ppbv	100
23) Octamethylcyclotetrasi...	20.64	TIC	34175	41.931	ppbv	100
24) Toluene	0.00		0	N.D.		
25) Ethylbenzene	18.54	91	156	0.019	ug/m3#	44
26) m,p-Xylene	0.00		0	N.D.		
27) o-Xylene	0.00		0	N.D.		
28) Naphthalene	0.00		0	N.D.		
29) 2,3-Dimethylheptane	18.50	TIC	4210	0.226	ug/m3#	58
30) Nonane	19.36	TIC	1346	0.075	ug/m3#	64
31) Decane	20.93	TIC	7706	1.417	ug/m3	90
32) Butylcyclohexane	21.55	TIC	126985	5.551	ug/m3	64
33) Undecane	22.19	TIC	7900	1.739	ug/m3	96
34) Dodecane	23.39	TIC	7138	5.628	ug/m3	85
35) APH EC9-12 aliphatics ...	21.55	TIC	155285m	9.410	ug/m3	
36) APH EC9-12 aliphatics	21.59	TIC	1234784m	74.827	ug/m3	
38) Isopropylbenzene	0.00		0	N.D.		
39) 1-Methyl-3-ethylbenzene	0.00		0	N.D.		
40) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
41) p-Isopropyltoluene	0.00		0	N.D.		
42) 1,2,3-Trimethylbenzene	0.00		0	N.D.		

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

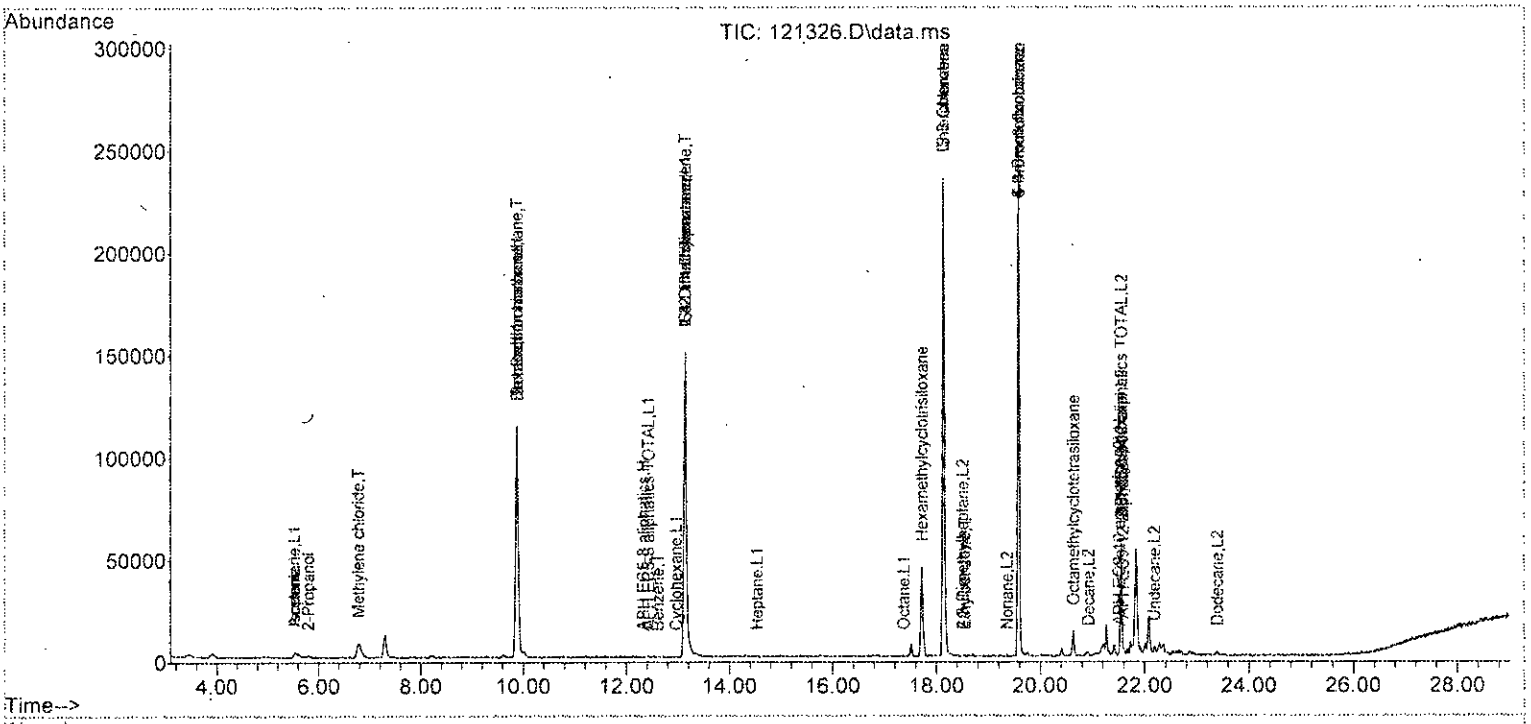
Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

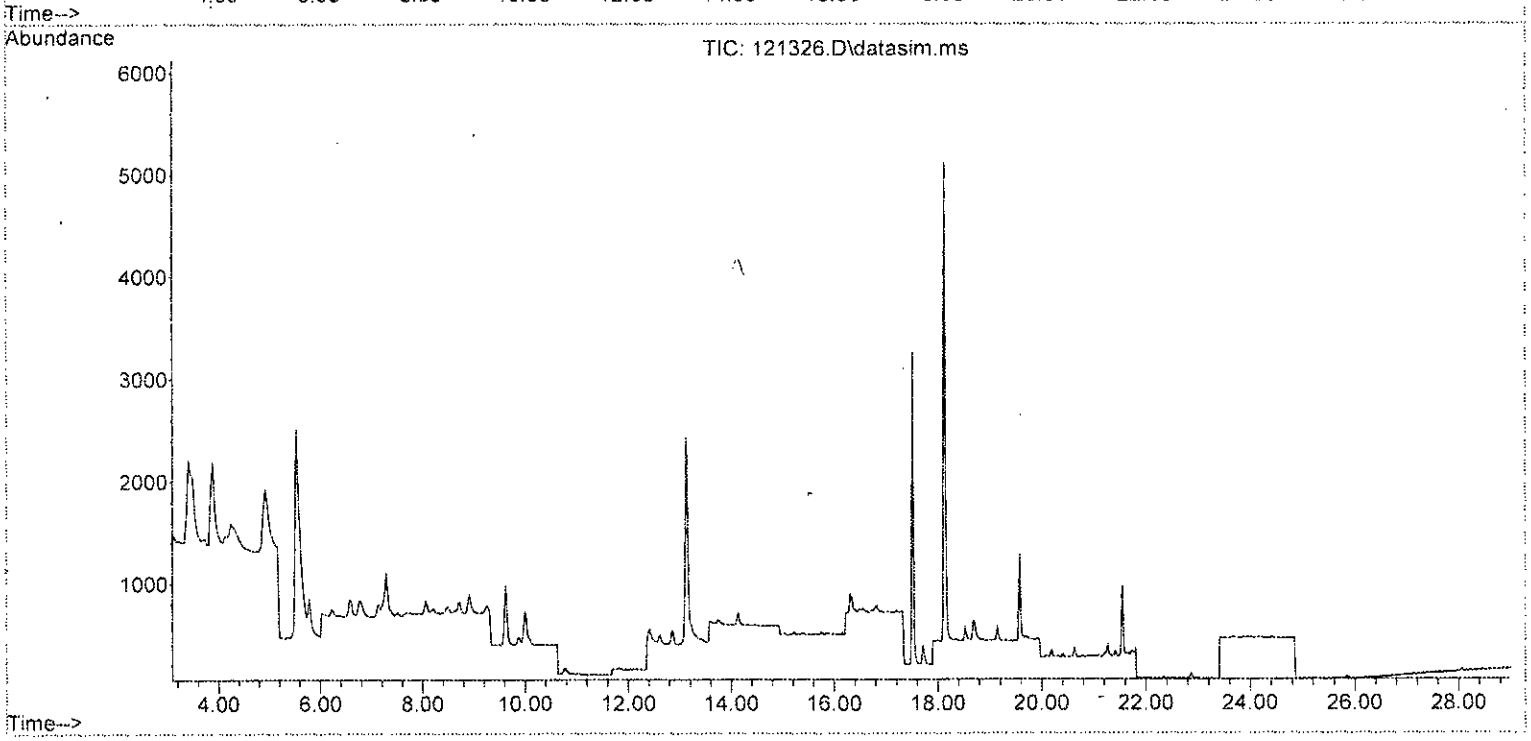
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) APH EC9-10 aromatics T...	21.55		0	N.D.		
44) APH EC9-10 aromatics (1)	21.51		0	N.D.		
45) APH EC9-10 aromatics (2)	21.51	134	109m	0.082	ug/m3	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 15 15:36:40 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

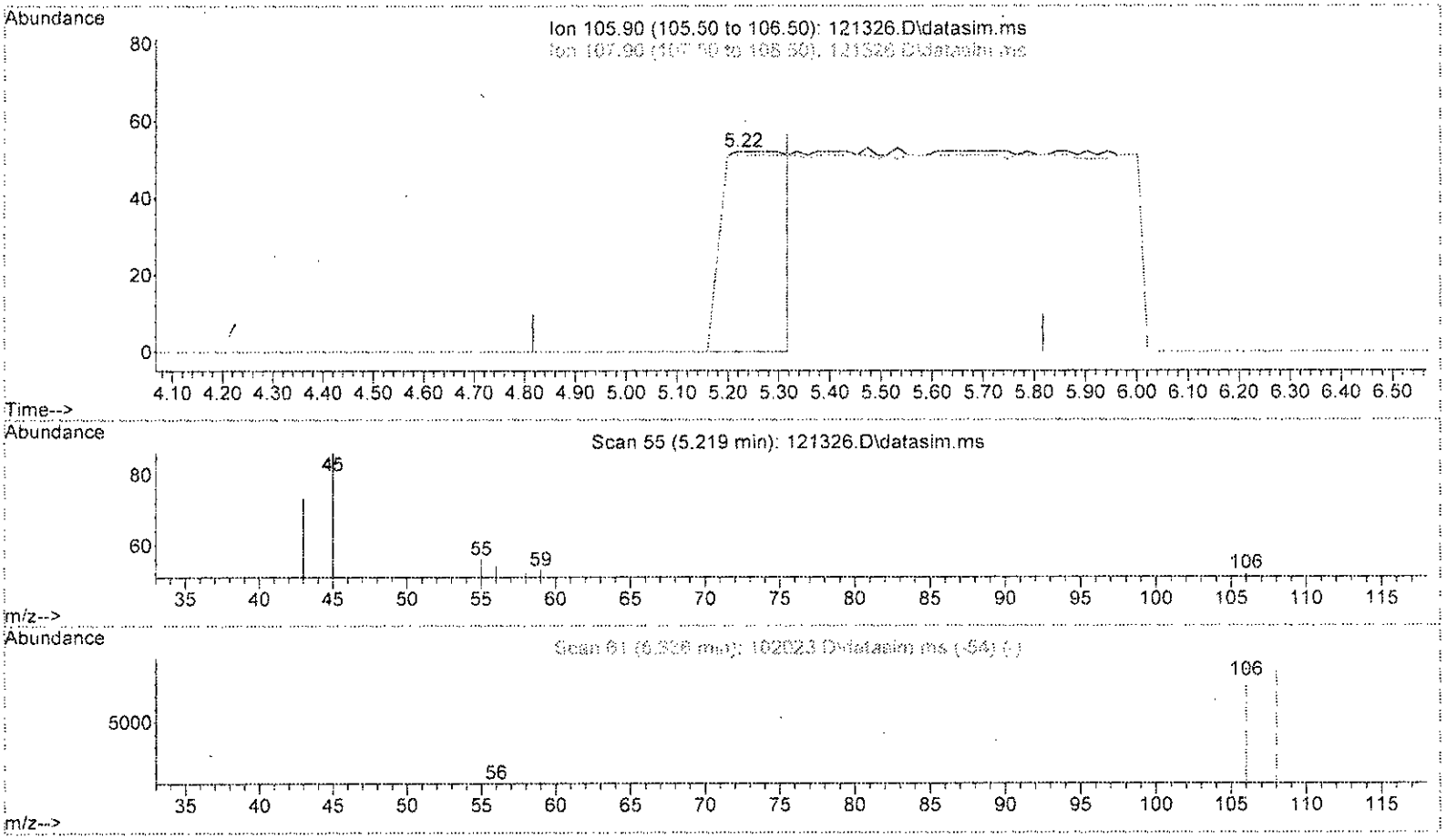




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(11) Vinyl bromide (TMP)

5.219min (-0.098) 0.064 ppbv

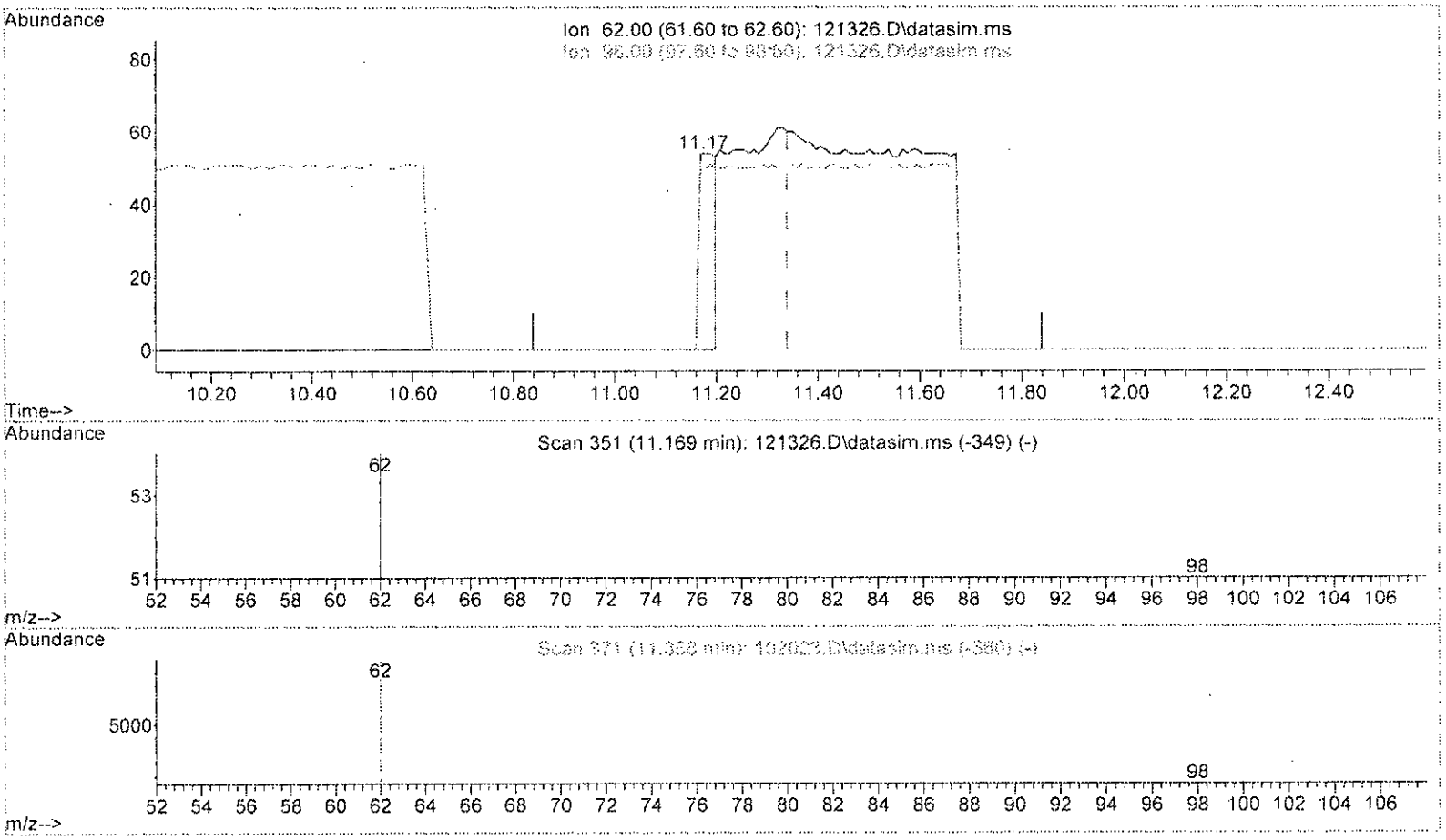
response 534

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.169min (-0.170) 0.005 ppbv

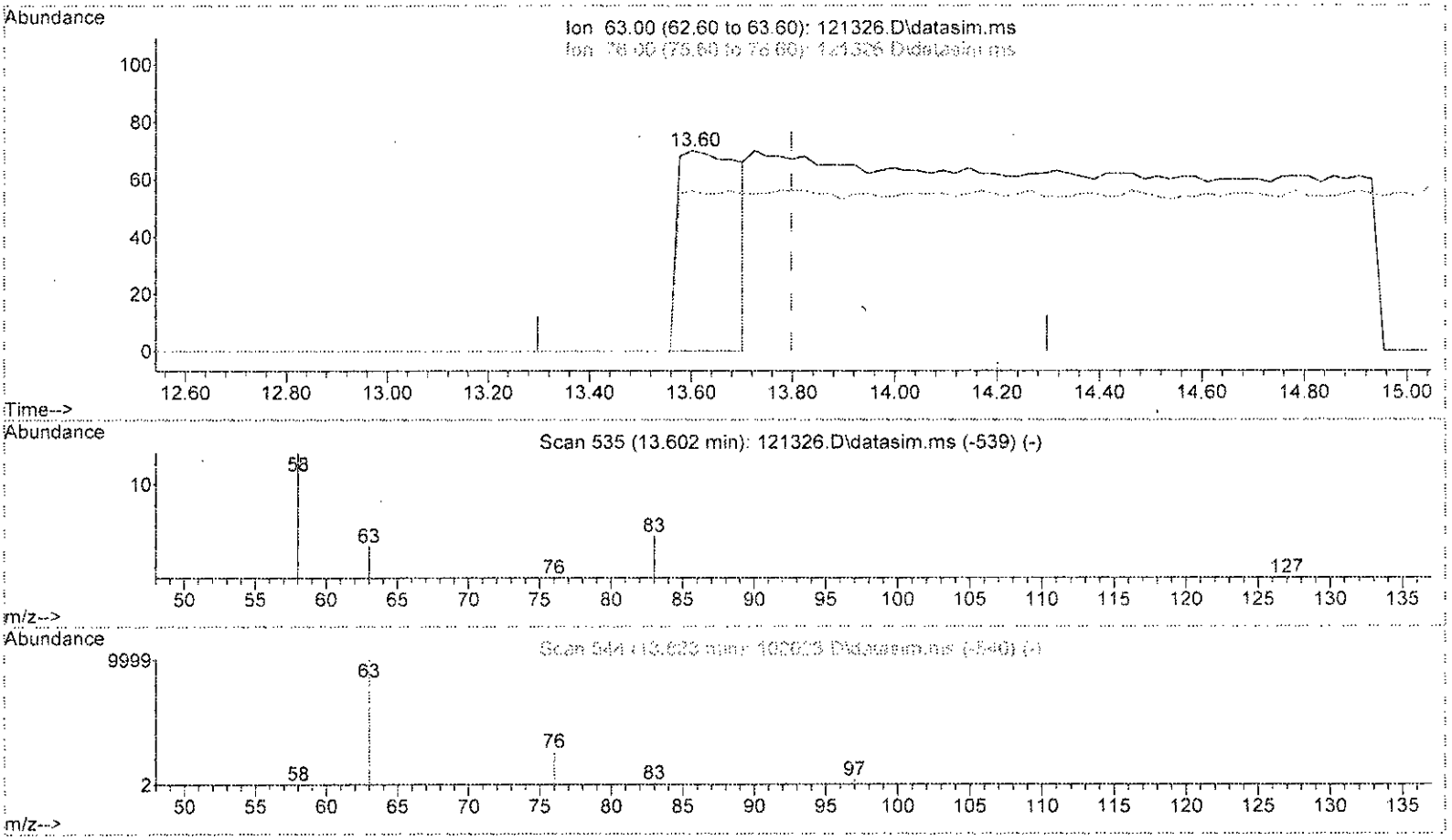
response 122

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	94.44#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.602min (-0.196) 0.049 ppbv

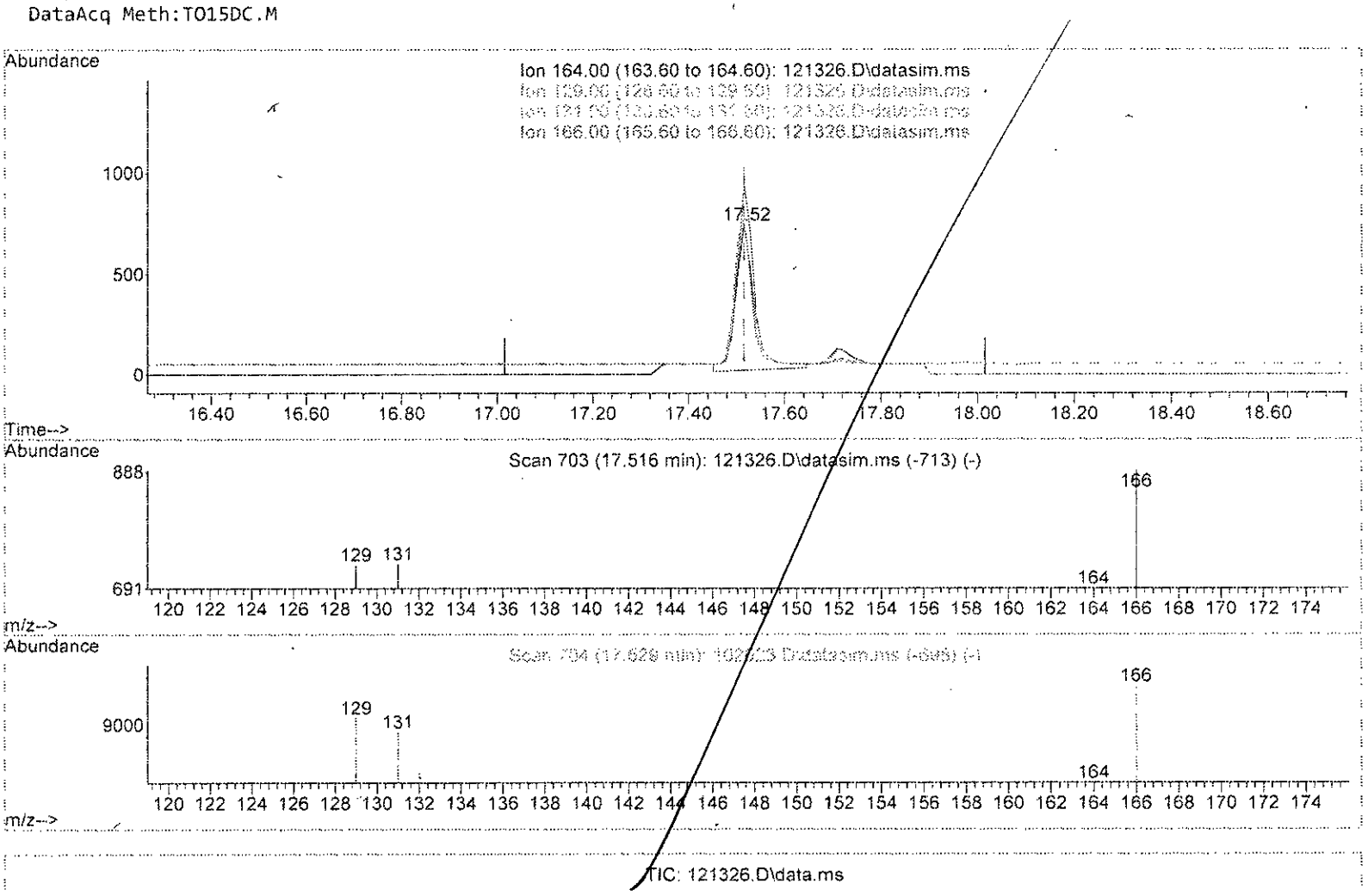
response 554

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	80.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.185 ppbv

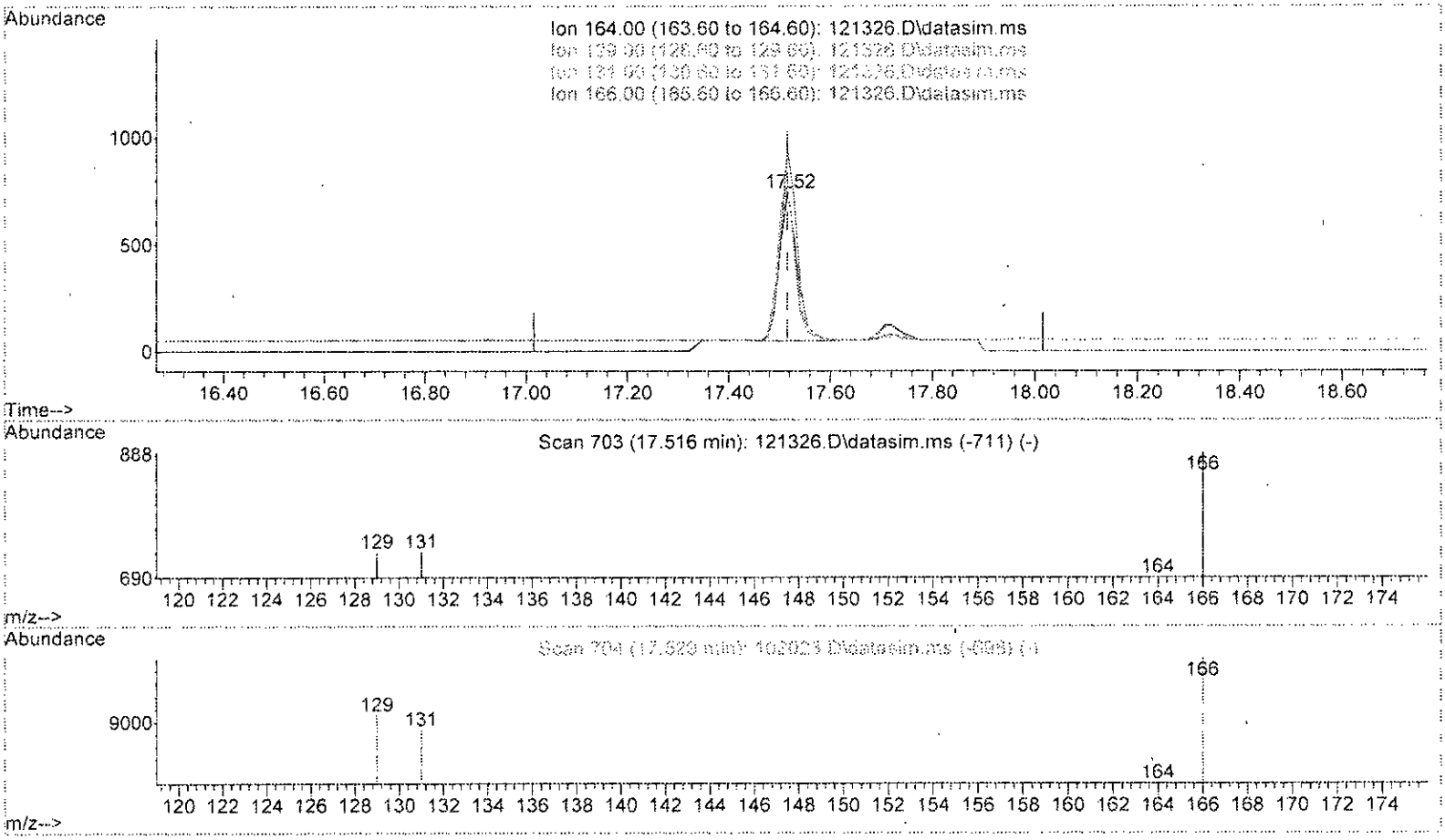
response 1891

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	105.48
131.00	100.70	105.63
166.00	137.50	128.57

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.156 ppbv m

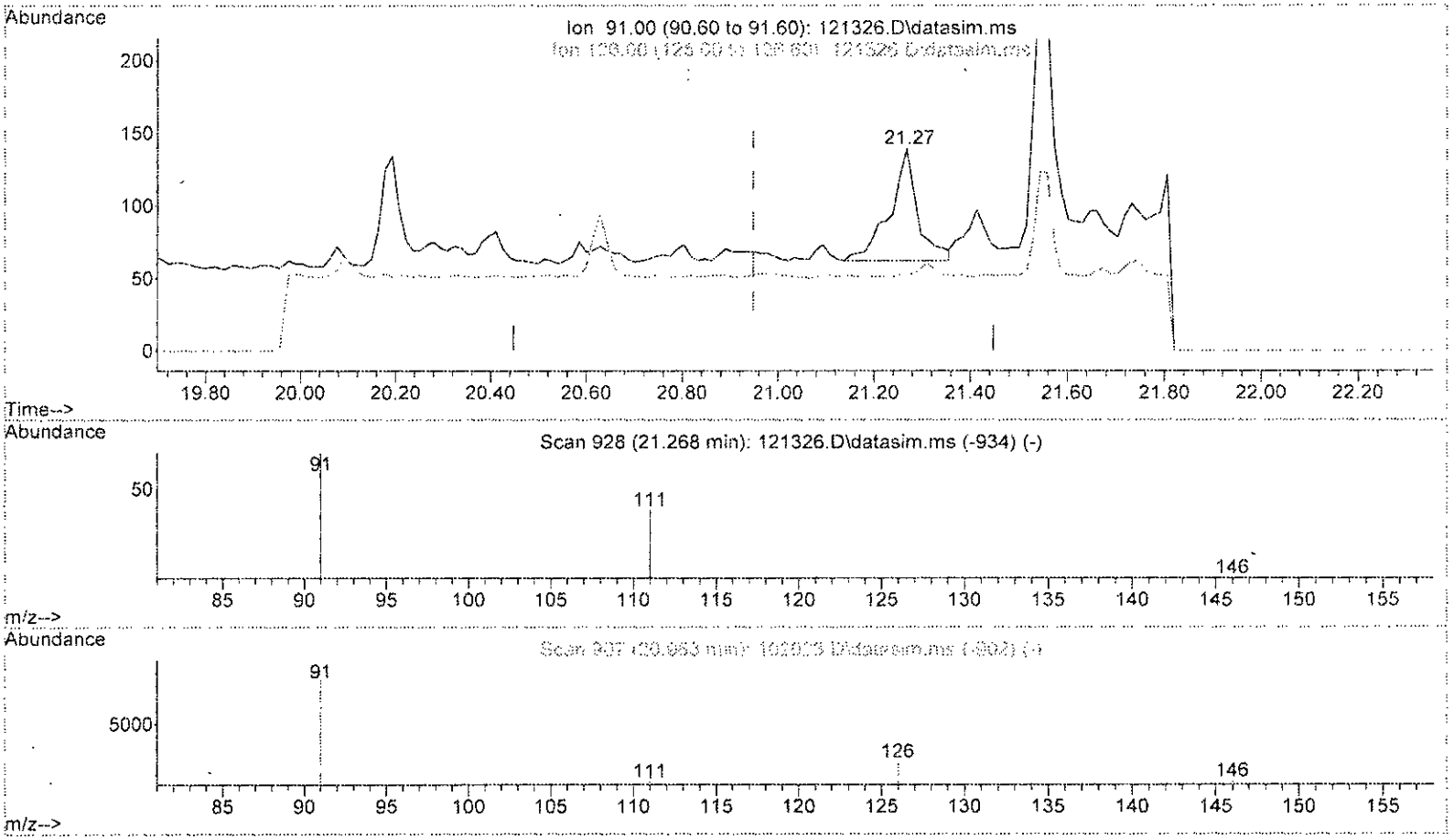
response 1596

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	105.25
131.00	100.70	105.52
166.00	137.50	126.65

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121326.D\data.ms

(70) Benzyl chloride (TMP)

21.268min (+ 0.320) 0.014 ppbv

response 308

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	1.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

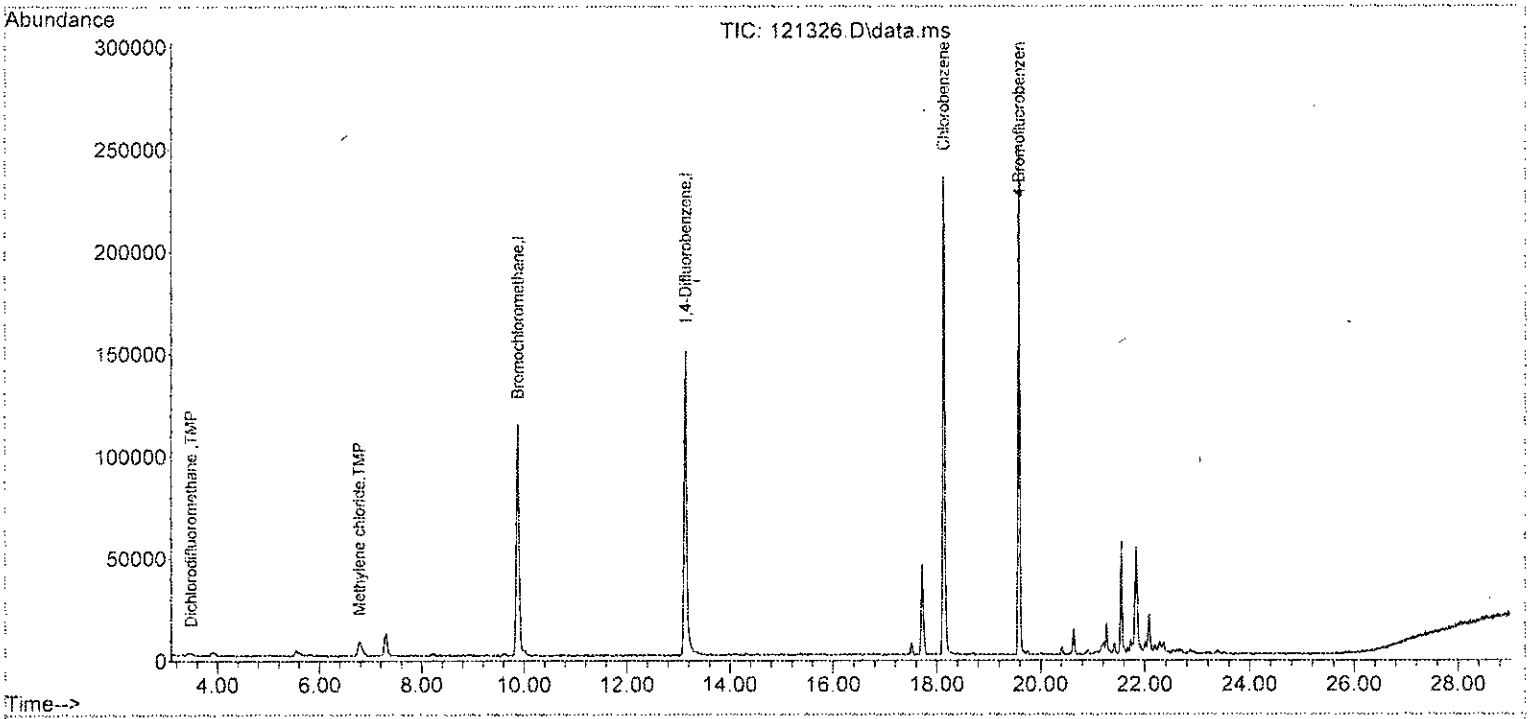
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	52065	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	208818	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	192391	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	111935	8.395	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
3) Dichlorodifluoromethane	3.49	85	2060	0.096	ppbv	94
20) Methylene chloride	6.78	84	9665	1.255	ppbv	93
28] cis-1,2-Dichloroethene	9.62	96	702	0.080	ppbv	83
30] Chloroform	10.08	83	107	0.001	ppbv	93
37] Benzene	12.61	78	259	Below Cal		97
53] Tetrachloroethene	17.52	164	1596m	0.156	ppbv	
77] Naphthalene	23.44	128	198	Below Cal	#	1

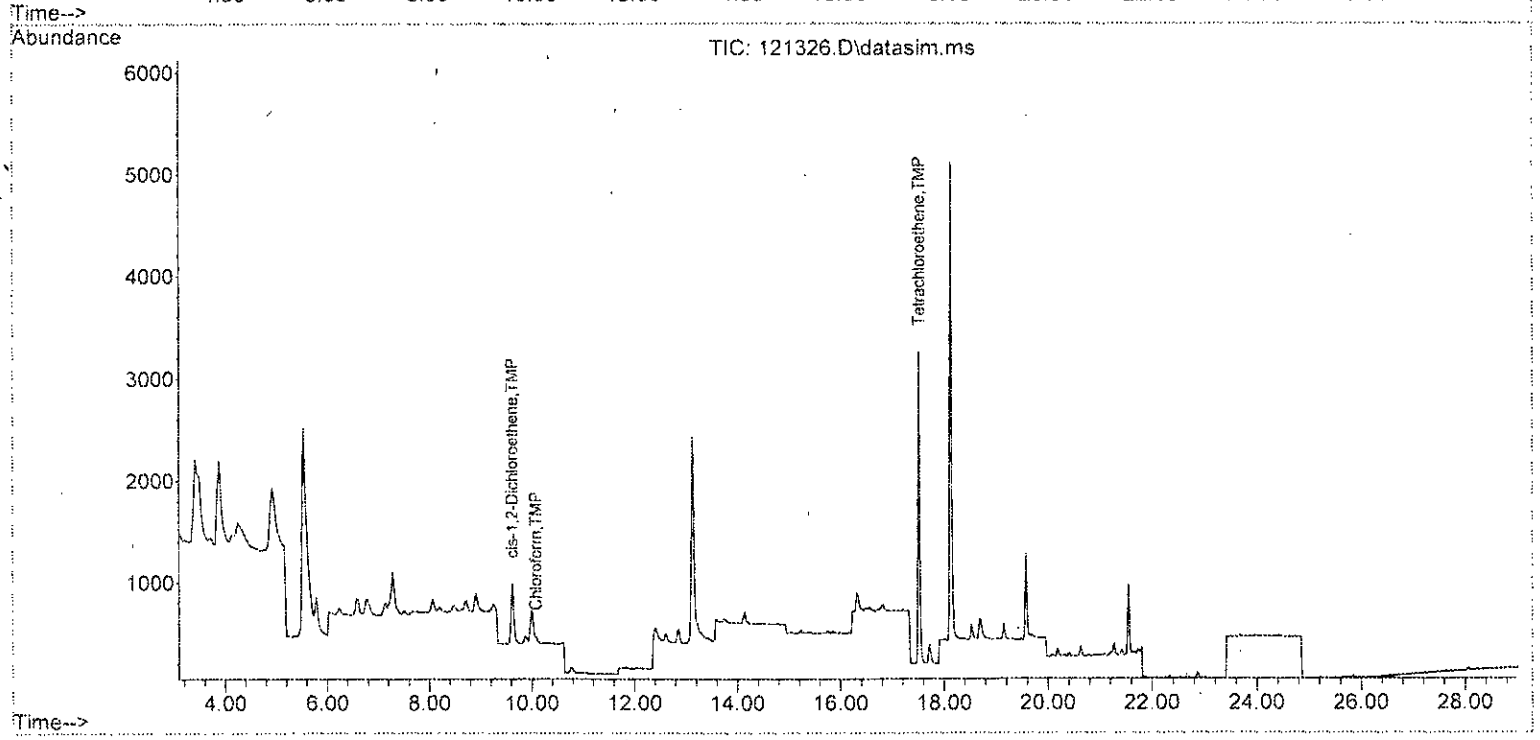
(#) = qualifier out of range (m) = manual integration (+) = signals summed

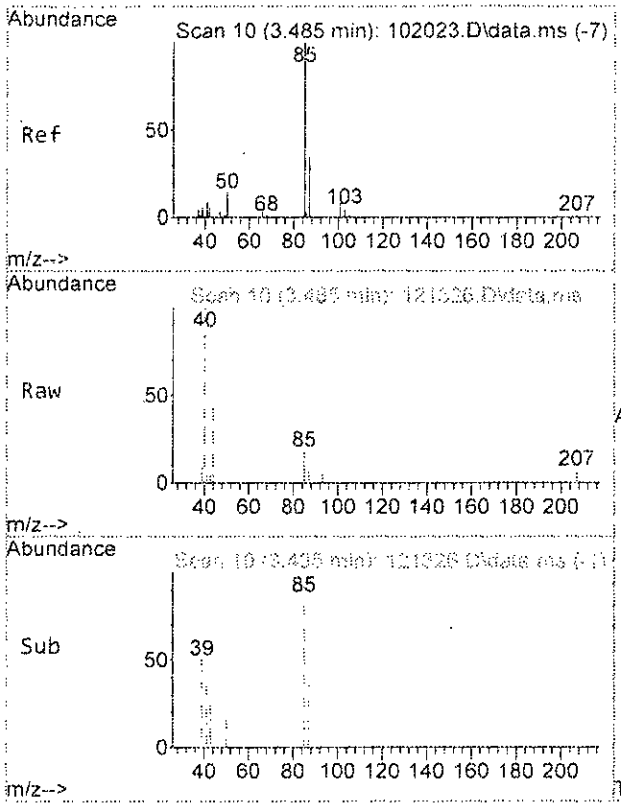
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



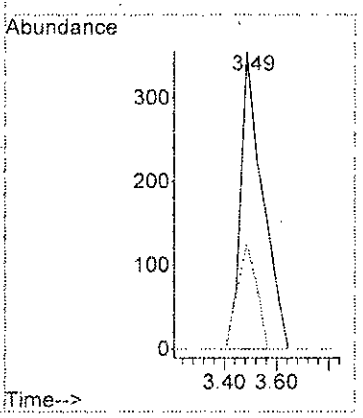


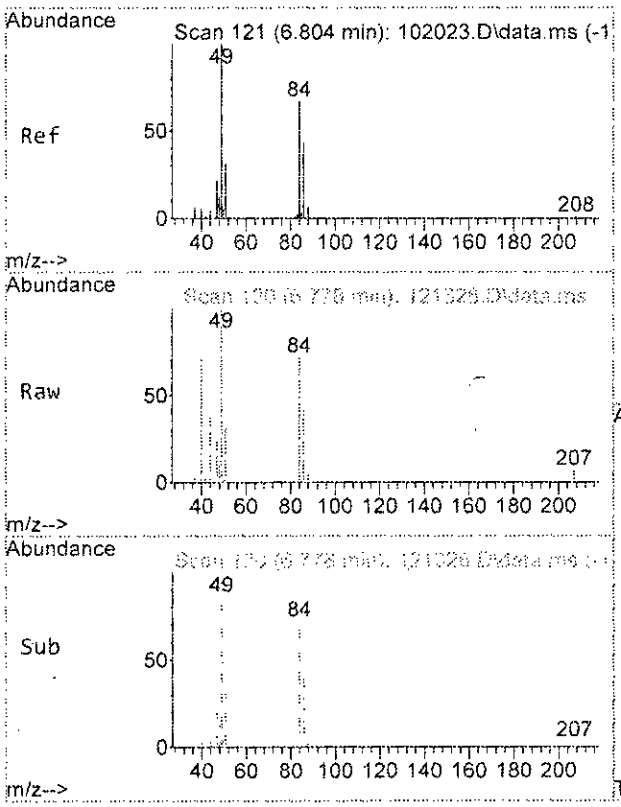


#3
Dichlorodifluoromethane
Concen: 0.096 ppbv
RT: 3.49 min Scan# 10
Delta R.T. 0.000 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion: 85 Resp: 2060

Ion	Ratio	Lower	Upper
85	100		
87	35.5	2.2	62.2

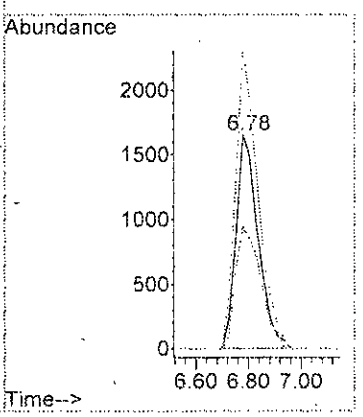


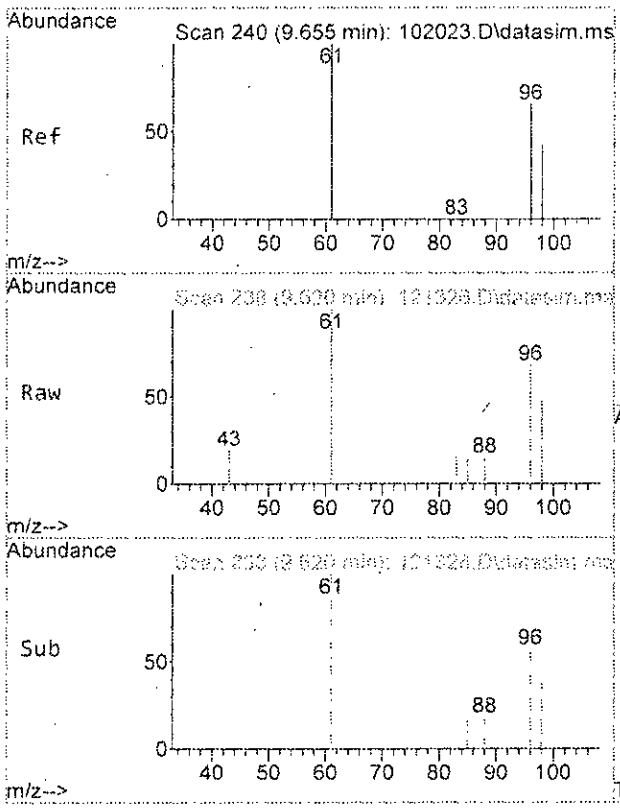


#20
Methylene chloride
Concen: 1.255 ppbv
RT: 6.78 min Scan# 120
Delta R.T. -0.026 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion: 84 Resp: 9665

Ion	Ratio	Lower	Upper
84	100		
86	56.8	33.9	93.9
49	139.7	116.6	176.6

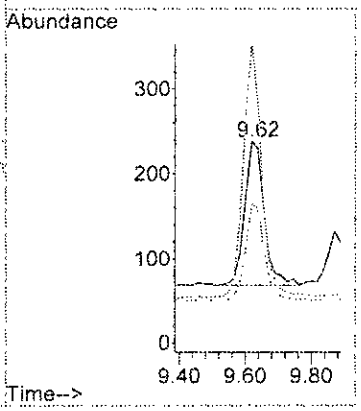


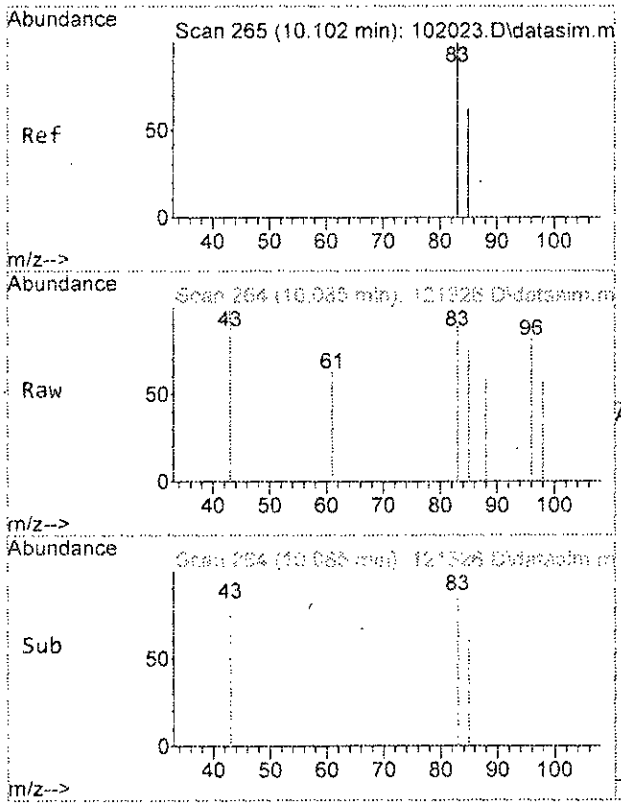


#28
cis-1,2-Dichloroethene
Concen: 0.080 ppbv
RT: 9.62 min Scan# 238
Delta R.T. -0.018 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion: 96 Resp: 702

Ion	Ratio	Lower	Upper
96	100		
61	174.7	116.0	176.0
98	67.1	35.2	95.2

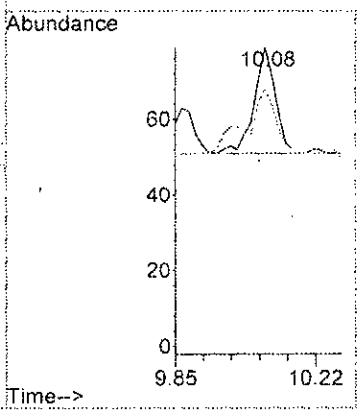


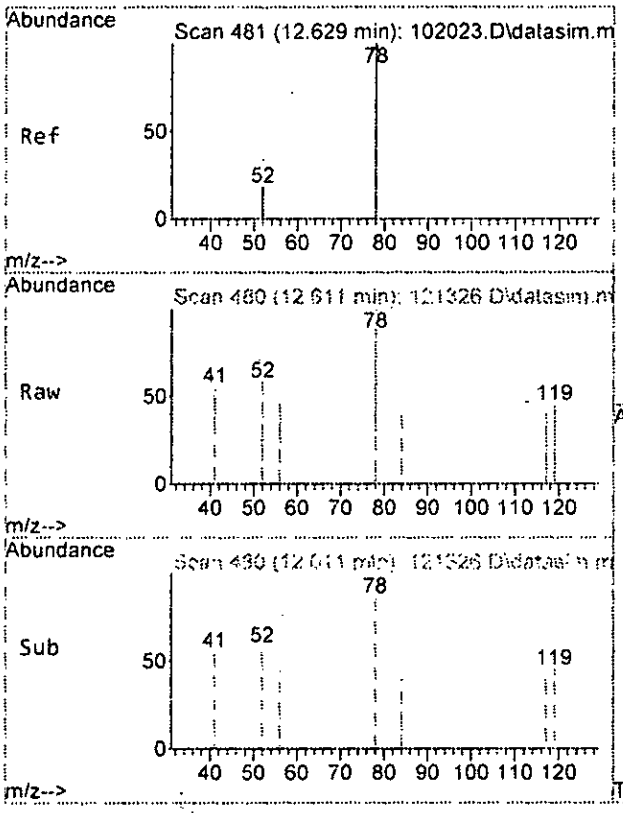


#30
Chloroform
Concen: 0.001 ppbv
RT: 10.08 min Scan# 264
Delta R.T. -0.017 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion: 83 Resp: 107

Ion	Ratio	Lower	Upper
83	100		
85	60.7	36.3	96.3

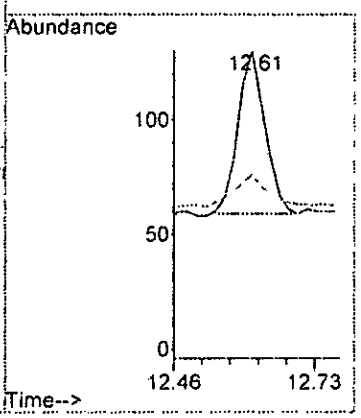


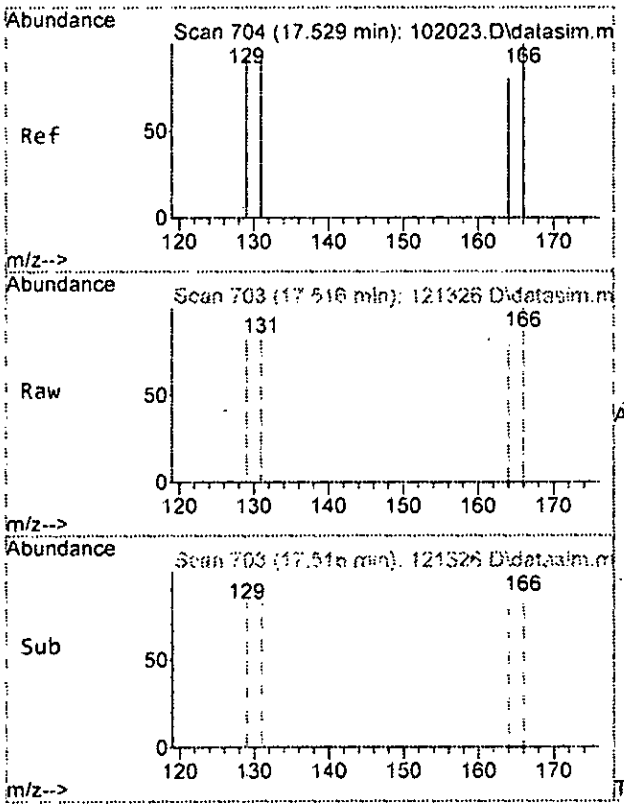


#37
Benzene
Concen: Below Cal
RT: 12.61 min Scan# 480
Delta R.T. 0.000 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion: 78 Resp: 259

Ion	Ratio	Lower	Upper
78	100		
52	18.3	0.0	49.7

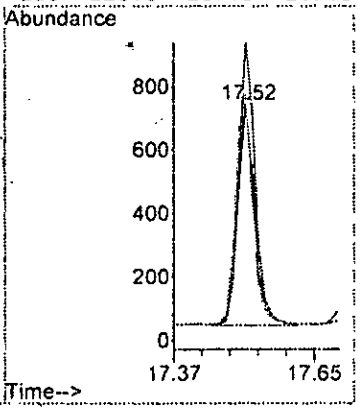


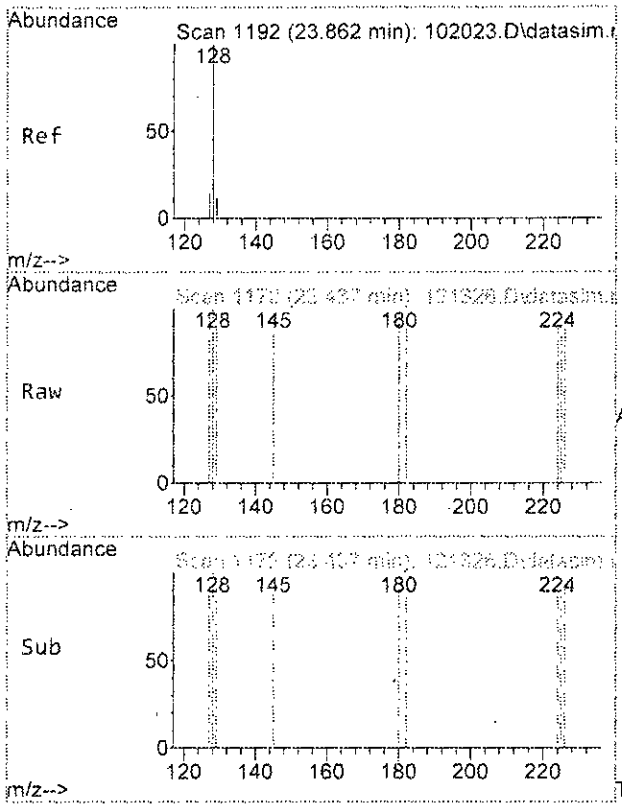


#53
Tetrachloroethene
Concen: 0.156 ppbv m
RT: 17.52 min Scan# 703
Delta R.T. 0.000 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion:164 Resp: 1596

Ion	Ratio	Lower	Upper
164	100		
129	105.2	63.2	123.2
131	105.5	70.7	130.7
166	126.6	107.5	167.5

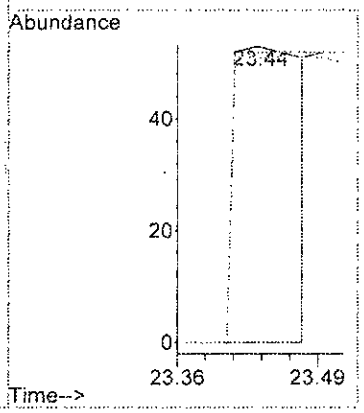




#77
Naphthalene
Concen: Below Cal
RT: 23.44 min Scan# 1172
Delta R.T. -0.404 min
Lab File: 121326.D
Acq: 14 Dec 2022 6:42 am

Tgt Ion:128 Resp: 198

Ion	Ratio	Lower	Upper
128	100		
129	98.1	0.0	41.0#
127	96.2	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	52065	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	208818	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	192391	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	111935	8.395	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
2) Propene	3.45	41	925	N.D.		
3) Dichlorodifluoromethane	3.49	85	2060	0.096	ppbv	94
4) Chloromethane	3.73	50	200	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.32	43	1173	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	4.96	45	3080	N.D.		
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	5.80	101	424	N.D.		
16) Acetone	5.55	58	2986	N.D.		
17) 2-Propanol	5.80	45	993	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	8.07	96	166	N.D.		
20) Methylene chloride	6.78	84	9665	1.255	ppbv	93
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	6.80	41	230	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.25	76	761	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28] cis-1,2-Dichloroethene	9.62	96	702	0.080	ppbv	83
29) Hexane	10.01	57	1657	N.D.		
30] Chloroform	10.08	83	107	0.001	ppbv	93
31) Ethyl acetate	10.01	43	1420	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.68	97	203	N.D.		
36) Carbon tetrachloride	12.84	117	271	N.D.		
37] Benzene	12.61	78	259	Below Cal		97
38) Cyclohexane	13.14	84	967	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

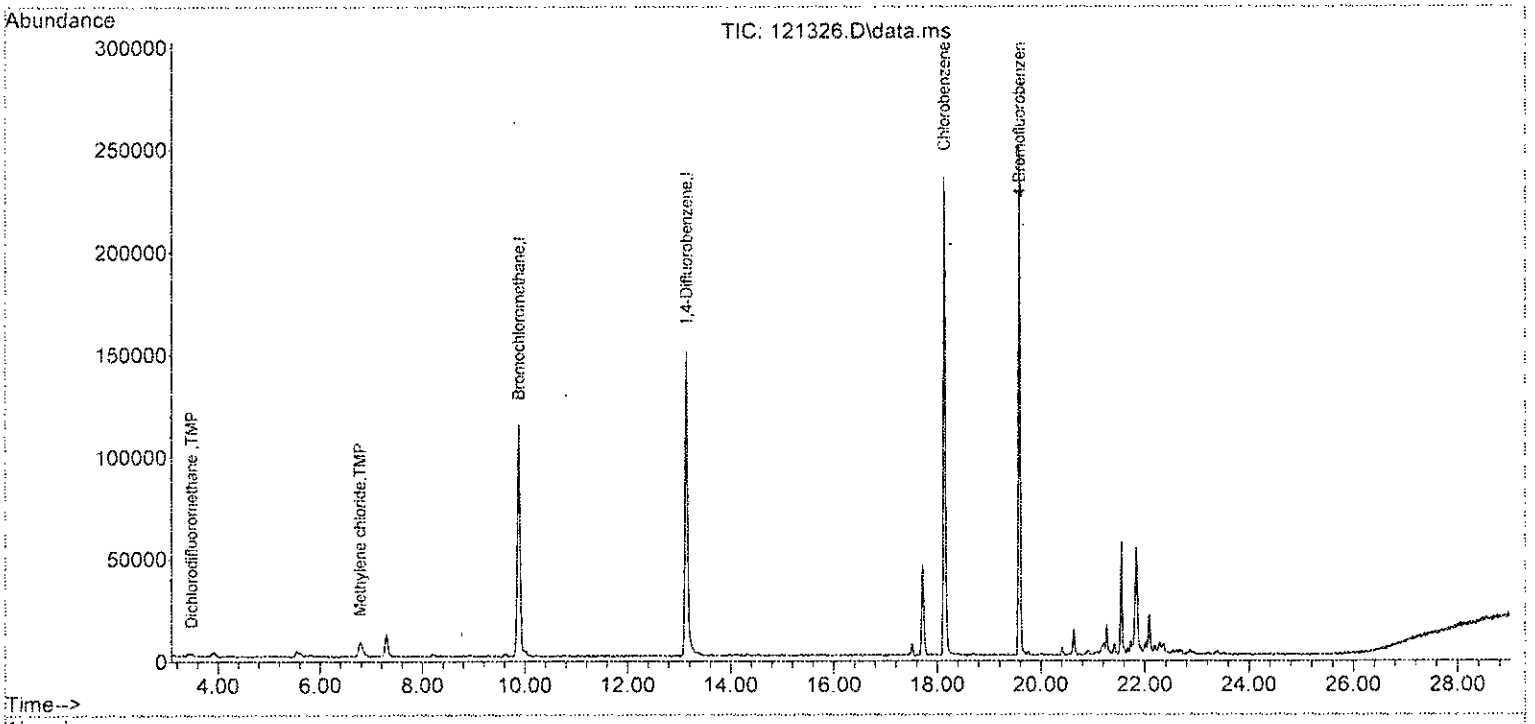
Compound	R.T.	QIon	Response	Conc Units Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.
42) 2,2,4-Trimethylpentane	0.00		0	N.D.
43) Methyl methacrylate	0.00		0	N.D.
44) Heptane	14.38	43	164	N.D.
45) Bromodichloromethane	0.00		0	N.D.
46) Trichloroethene	14.14	95	111	N.D.
47) cis-1,3-Dichloropropene	0.00		0	N.D.
48) 4-Methyl-2-pentanone	0.00		0	N.D.
49) trans-1,3-Dichloropropene	0.00		0	N.D.
50) Toluene	16.31	92	1251	N.D.
51) 1,1,2-Trichloroethane	0.00		0	N.D.
52) 2-Hexanone	0.00		0	N.D.
53] Tetrachloroethene	17.52	164	1596m	0.156 ppbv
54) Dibromochloromethane	0.00		0	N.D.
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.
57) Chlorobenzene	0.00		0	N.D.
58) Ethylbenzene	18.53	91	264	N.D.
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.
60) Nonane	19.09	43	163	N.D.
61) Isopropylbenzene	0.00		0	N.D.
62) 2-Chlorotoluene	0.00		0	N.D.
63) Propylbenzene	20.19	91	142	N.D.
64) 4-Ethyltoluene	20.27	105	153	N.D.
65) m,p-Xylene	18.70	106	236	N.D.
66) o-Xylene	19.15	106	113	N.D.
67) Styrene	0.00		0	N.D.
68) Bromoform	0.00		0	N.D.
70) Benzyl chloride	0.00		0	N.D. d
71) 1,3,5-Trimethylbenzene	20.27	105	153	N.D.
72) 1,2,4-Trimethylbenzene	20.81	105	132	N.D.
73) 1,3-Dichlorobenzene	0.00		0	N.D.
74) 1,4-Dichlorobenzene	0.00		0	N.D.
75) 1,2-Dichlorobenzene	0.00		0	N.D.
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.
77] Naphthalene	23.44	128	198	Below Cal # 1
78) Hexachlorobutadiene	0.00		0	N.D.

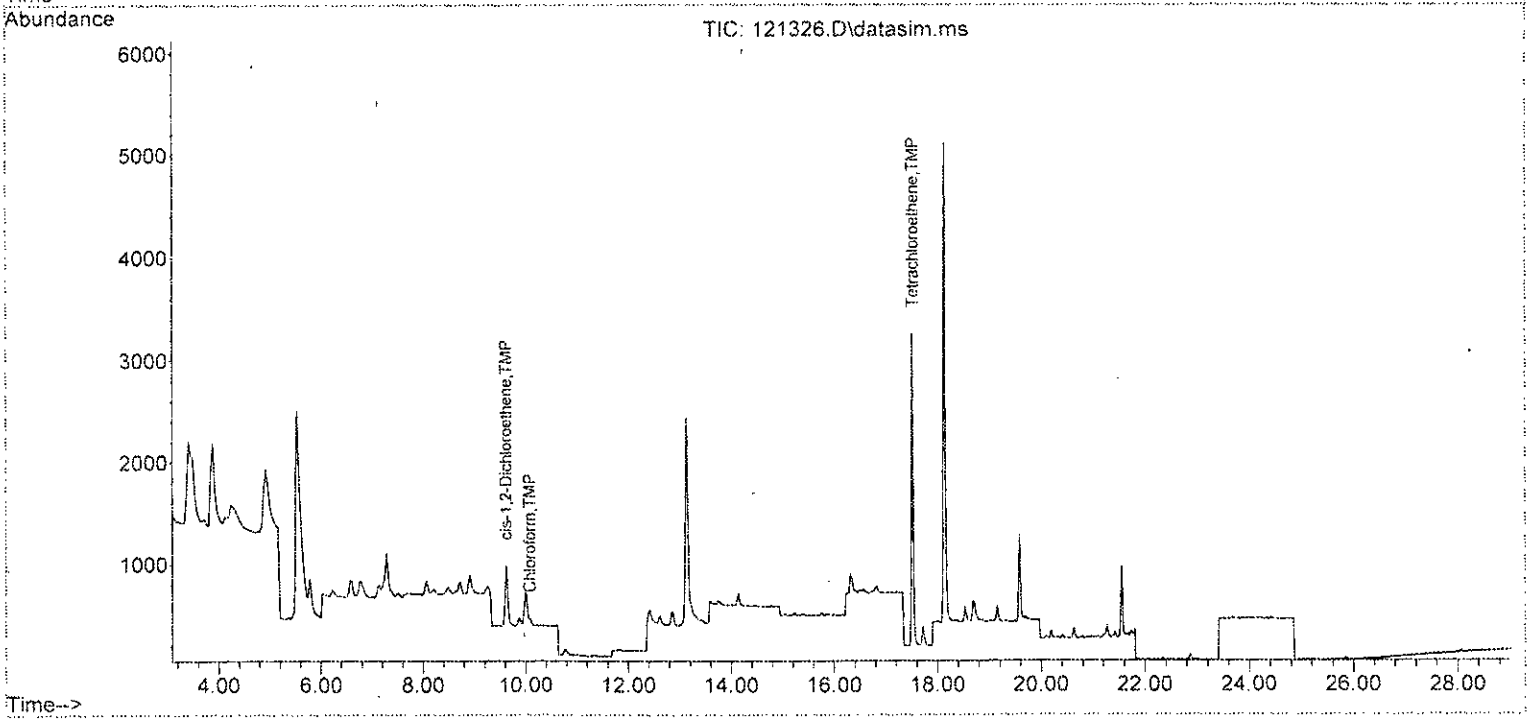
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121326.D
Acq On : 14 Dec 2022 6:42 am
Operator : bat
Sample : 212012-01 dup 1/5.0
Misc : T10
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:29 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



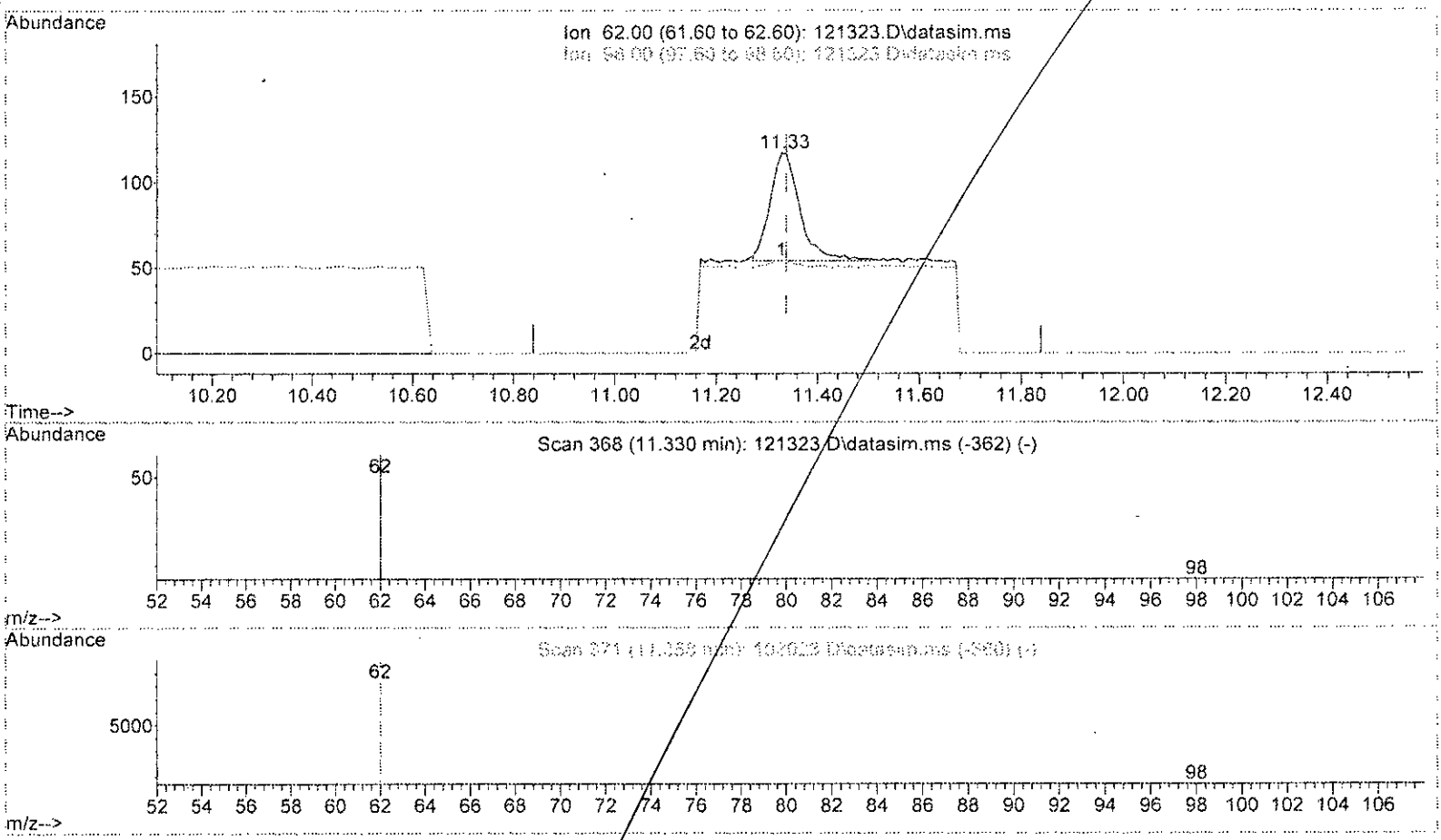


EPA TO-15
Sample Data

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121323.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TM2)

11.330min (-0.009) 0.015 ppbv

response 256

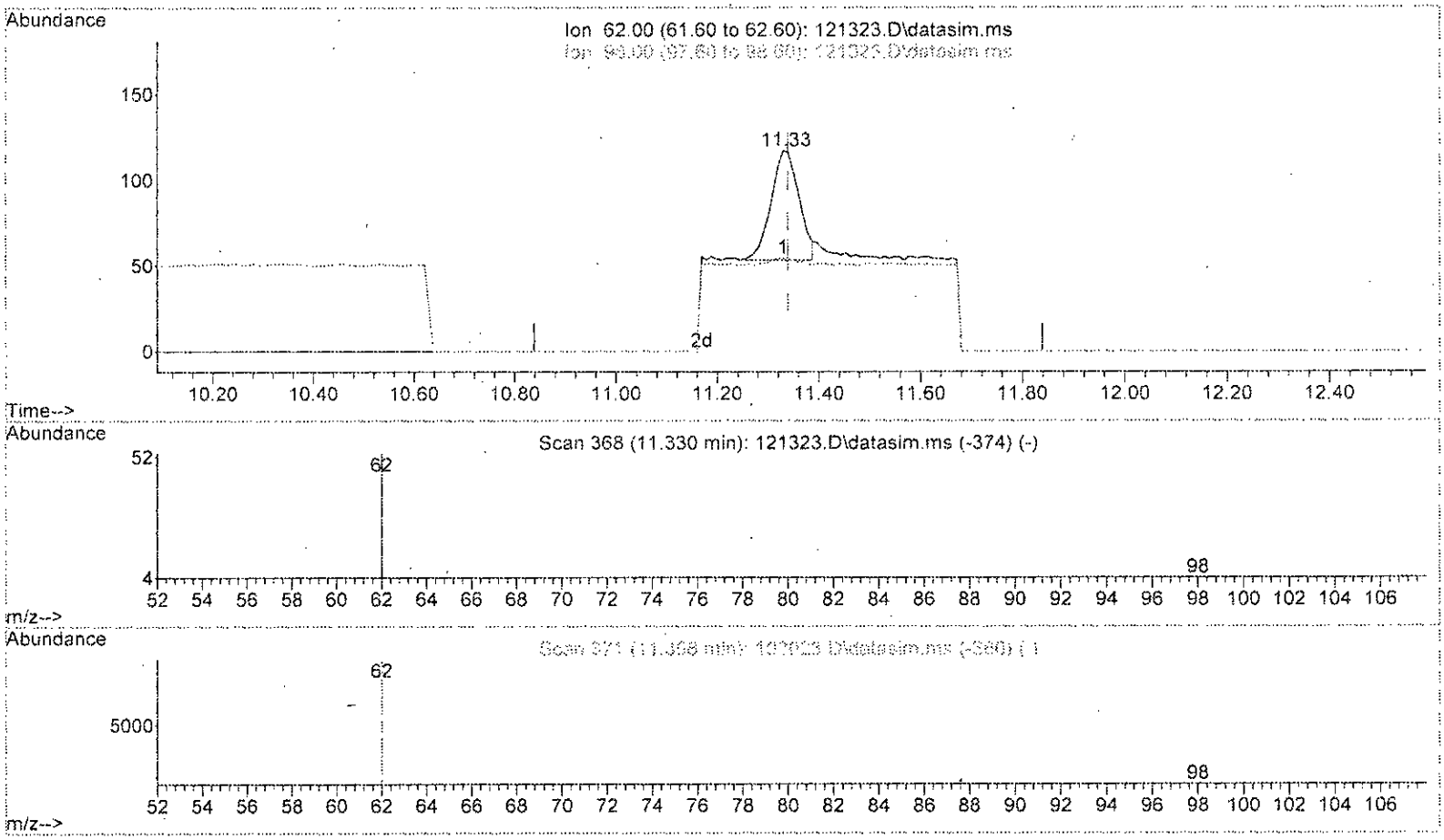
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.35
0.00	0.00	0.00
0.00	0.00	0.00

12/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121323.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.330min (-0.009) 0.014 ppbv m

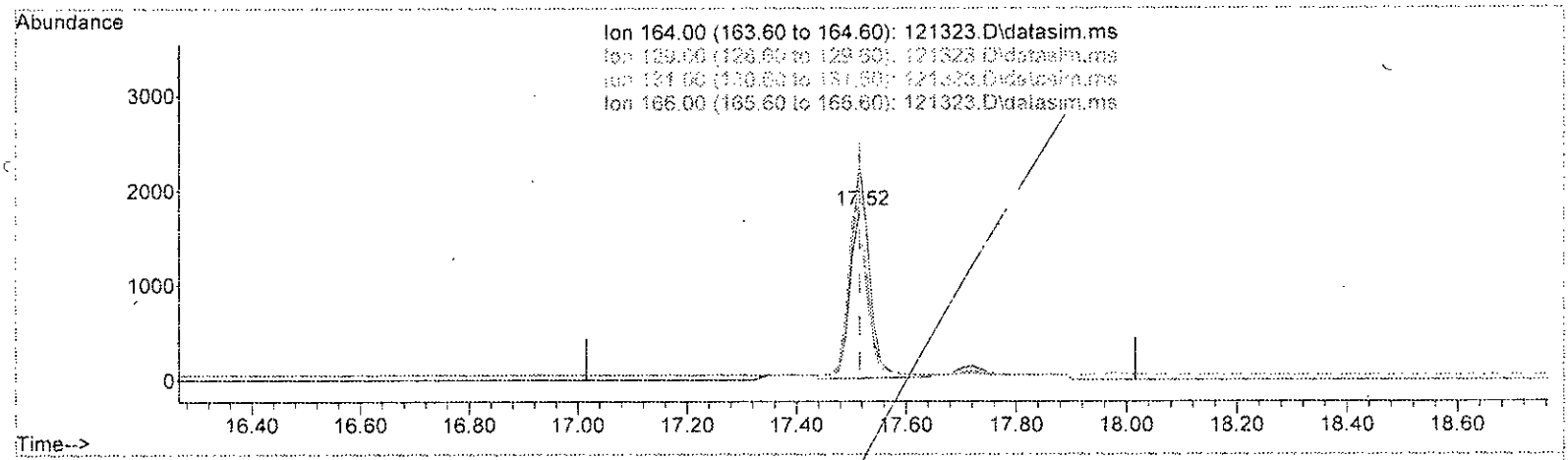
response 245

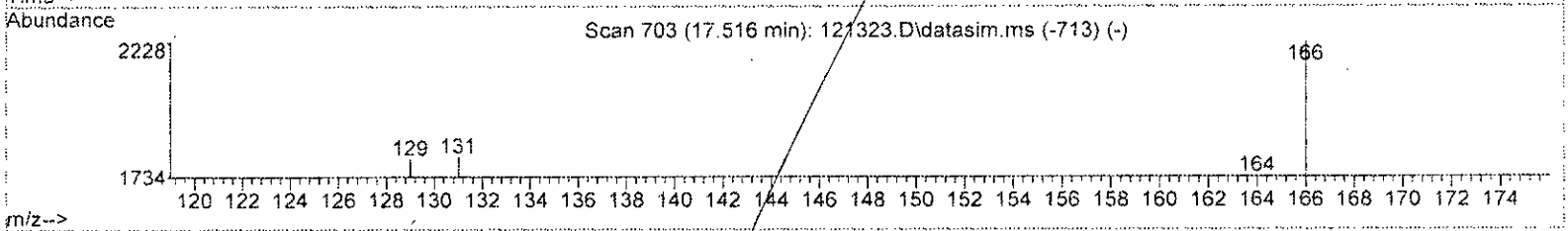
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	46.15#
0.00	0.00	0.00
0.00	0.00	0.00

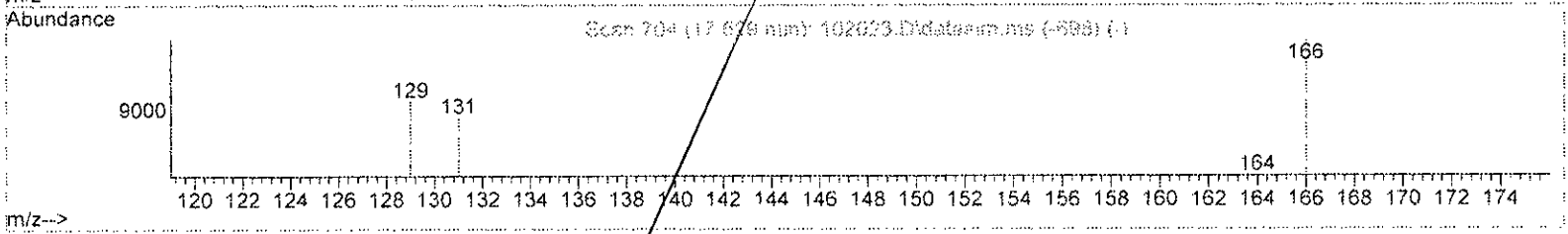
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121323.D\data.ms

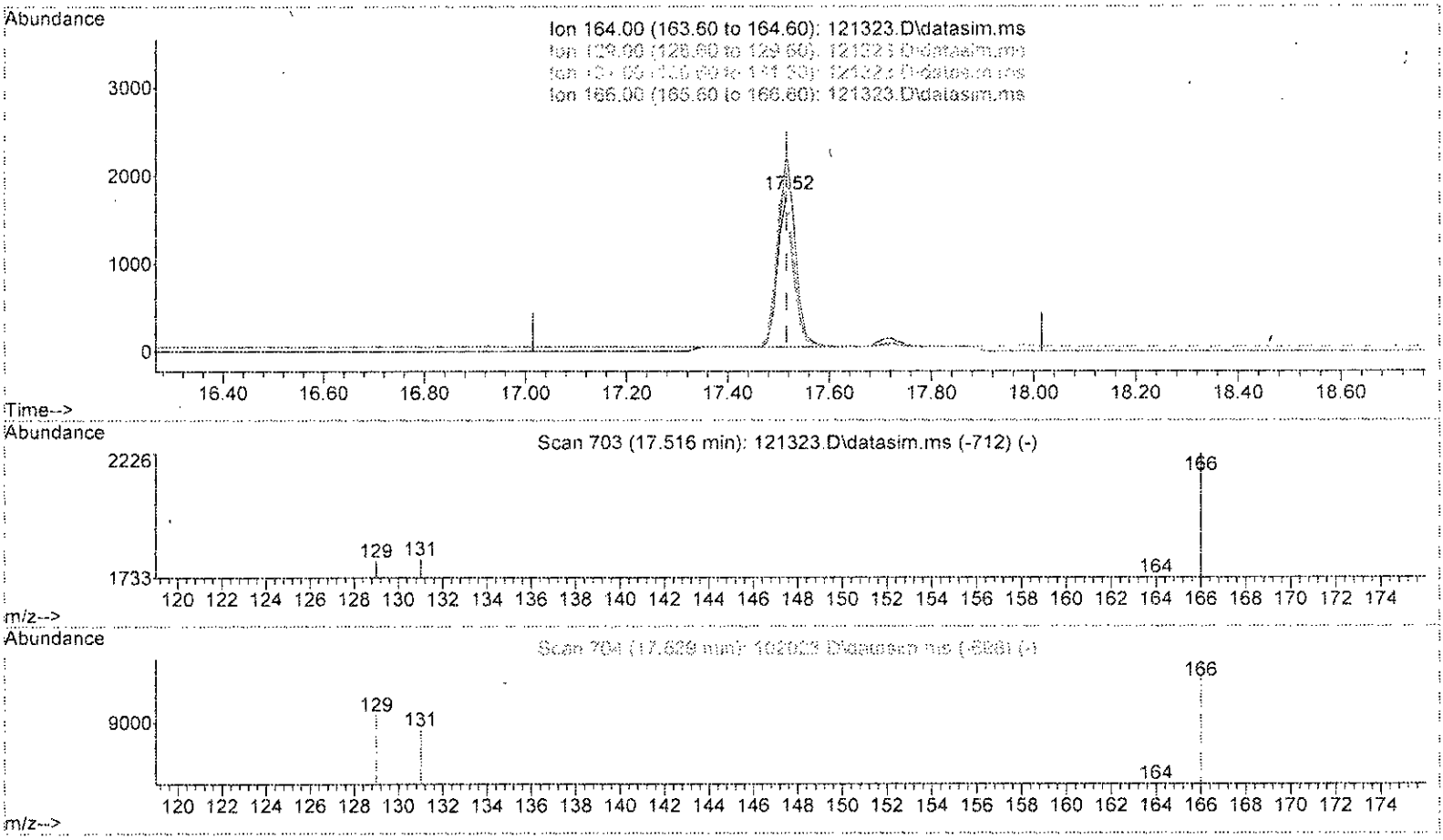
(53) Tetrachloroethene (TMP)
17.516min (-0.000) 0.447 ppbv
response 4254

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	103.69
131.00	100.70	104.15
166.00	137.50	128.51

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121323.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (-0.000) 0.410 ppbv m

response 3910

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	103.58
131.00	100.70	104.09
166.00	137.50	127.72

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

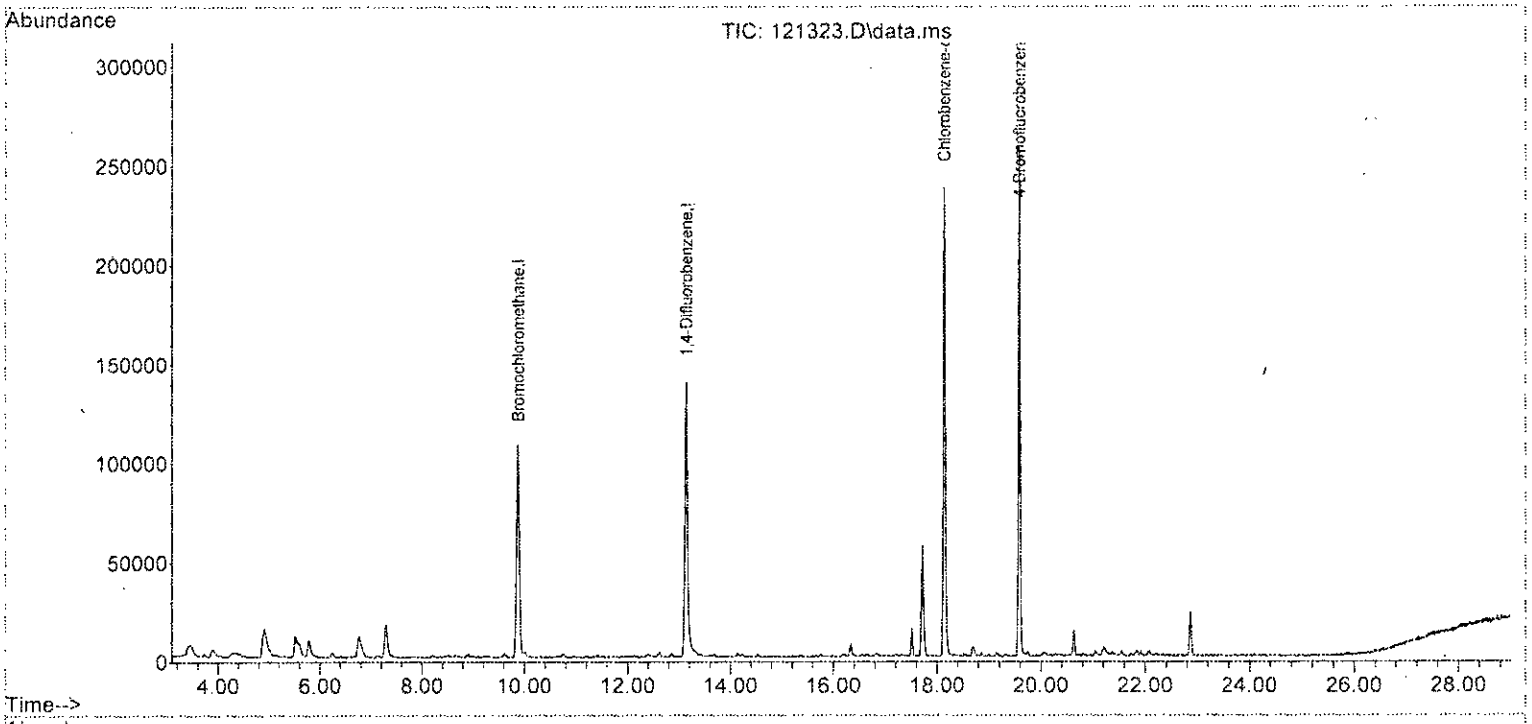
Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

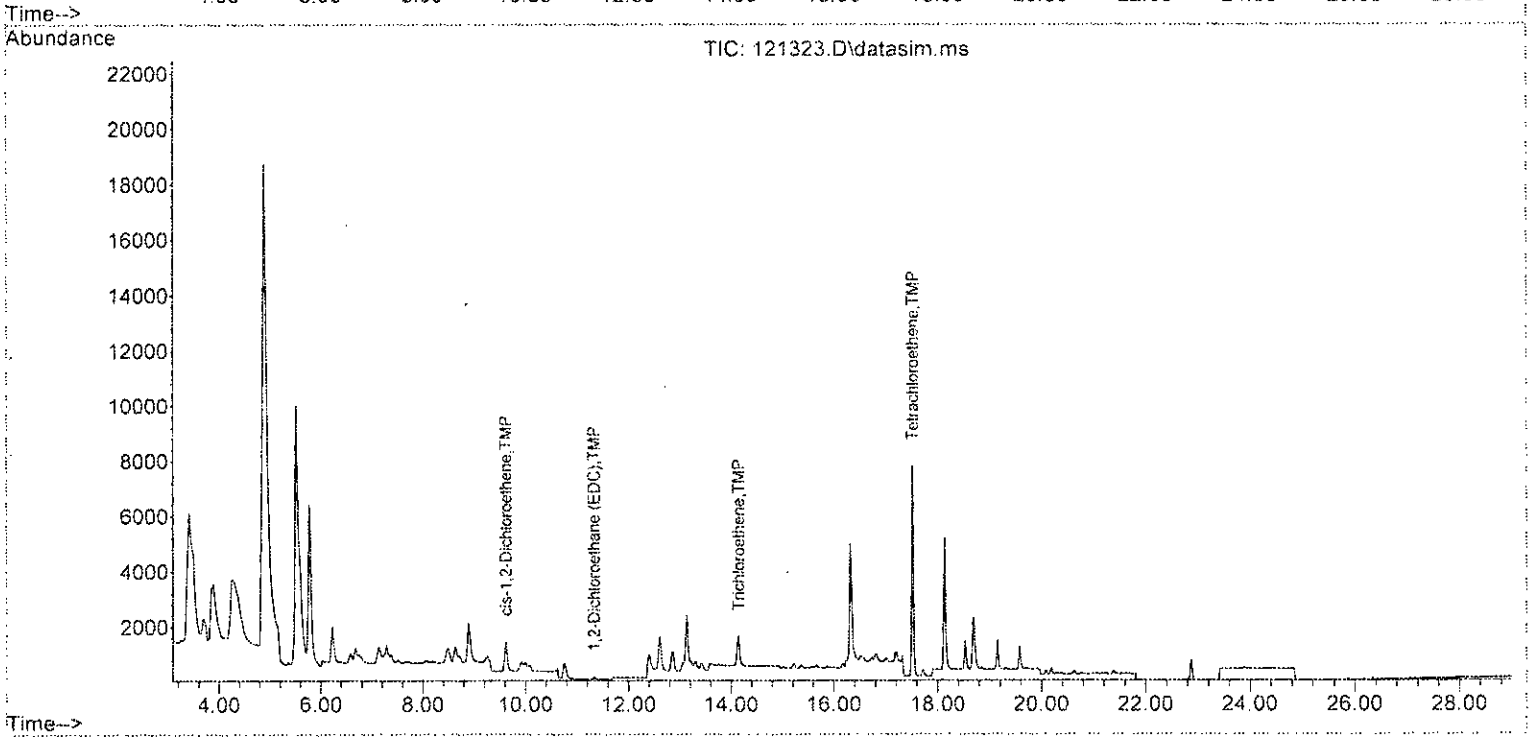
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	52144	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	194483	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	192451	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	115989	8.697	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.00%			
Target Compounds						Qvalue
28] cis-1,2-Dichloroethene	9.62	96	1264	0.143	ppbv	93
34] 1,2-Dichloroethane (EDC)	11.33	62	245m	0.014	ppbv	
46] Trichloroethene	14.14	95	1093	0.095	ppbv	93
53] Tetrachloroethene	17.52	164	3910m	0.410	ppbv	

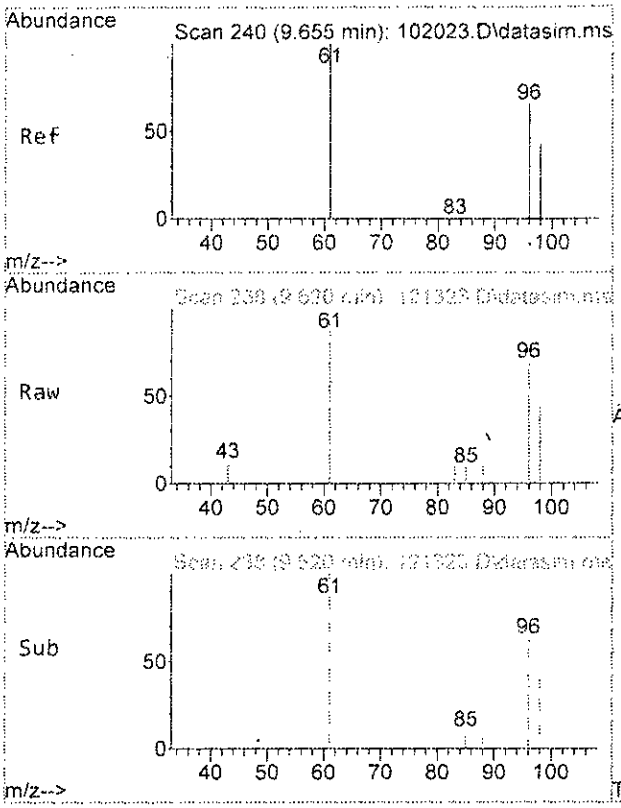
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



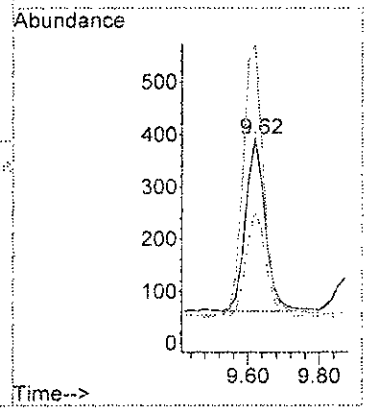


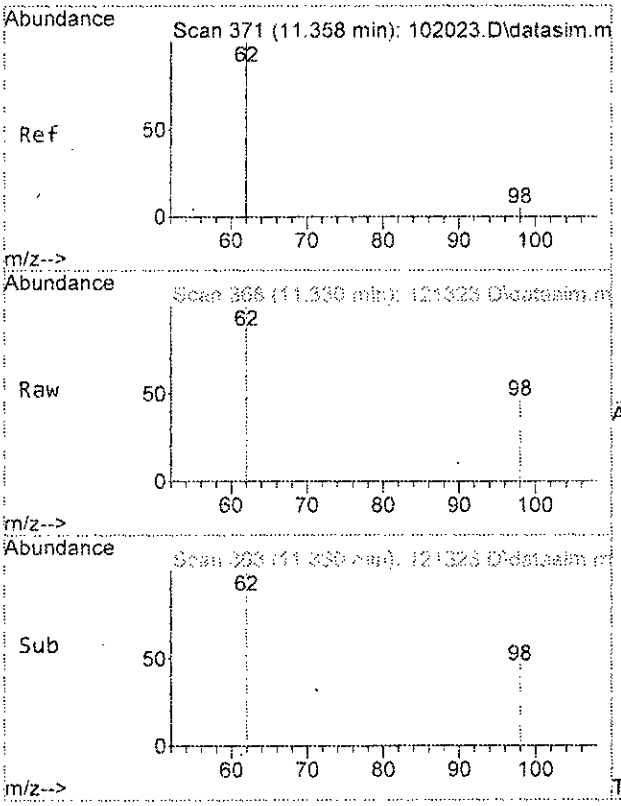


#28
cis-1,2-Dichloroethene
Concen: 0.143 ppbv
RT: 9.62 min Scan# 238
Delta R.T. -0.018 min
Lab File: 121323.D
Acq: 14 Dec 2022 4:48 am

Tgt Ion: 96 Resp: 1264

Ion	Ratio	Lower	Upper
96	100		
61	156.4	116.0	176.0
98	60.9	35.2	95.2

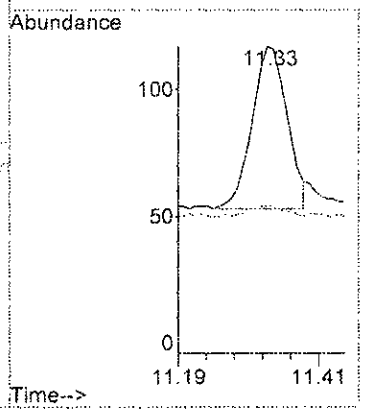


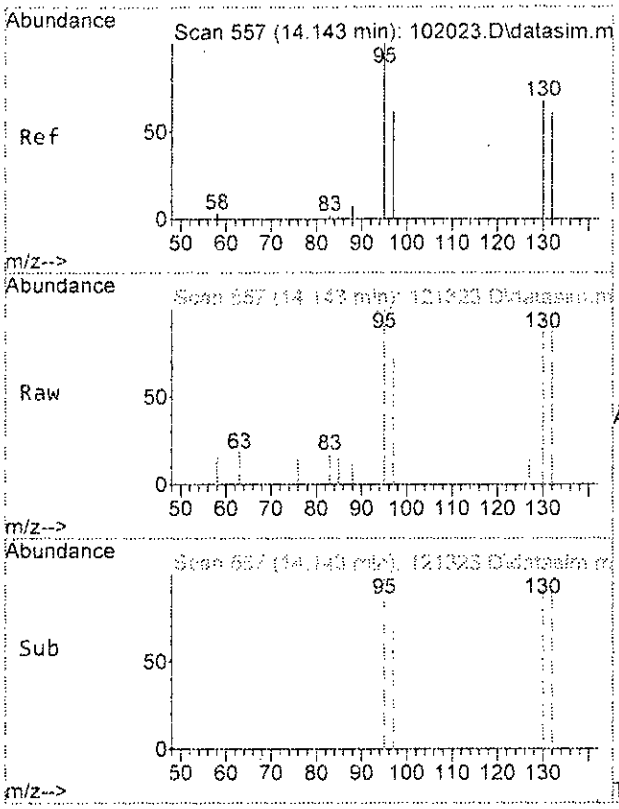


#34
1,2-Dichloroethane (EDC)
Concen: 0.014 ppbv m
RT: 11.33 min Scan# 368
Delta R.T. -0.009 min
Lab File: 121323.D
Acq: 14 Dec 2022 4:48 am

Tgt Ion: 62 Resp: 245

Ion	Ratio	Lower	Upper
62	100		
98	46.2	0.0	35.3#

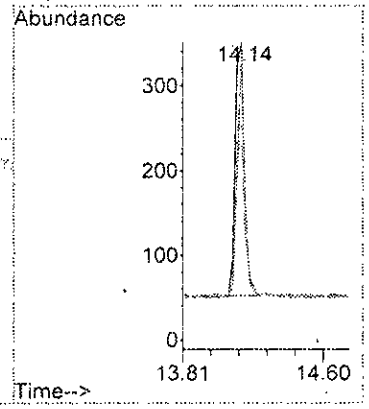


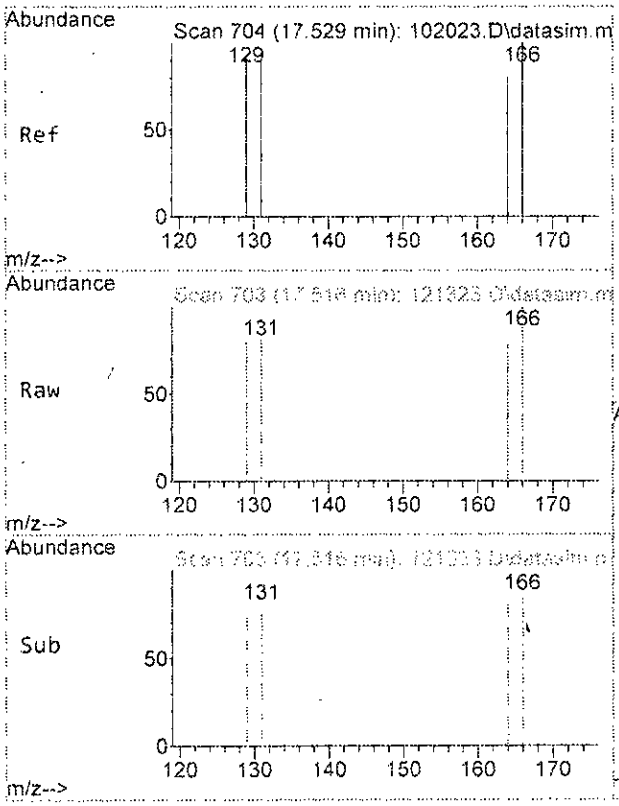


#46
Trichloroethene
Concen: 0.095 ppbv
RT: 14.14 min Scan# 557
Delta R.T. -0.000 min
Lab File: 121323.D
Acq: 14 Dec 2022 4:48 am

Tgt Ion: 95 Resp: 1093

Ion	Ratio	Lower	Upper
95	100		
97	67.9	37.1	97.1
130	93.6	56.1	116.1
132	92.6	54.3	114.3

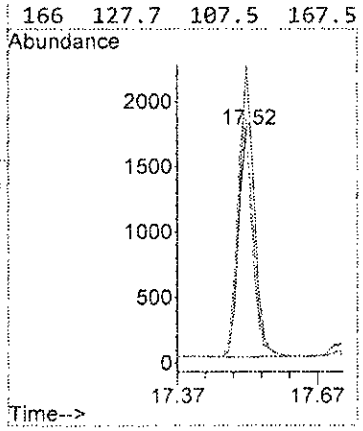




#53
Tetrachloroethene
Concen: 0.410 ppbv m
RT: 17.52 min Scan# 703
Delta R.T. -0.000 min
Lab File: 121323.D
Acq: 14 Dec 2022 4:48 am

Tgt Ion:164 Resp: 3910

Ion	Ratio	Lower	Upper
164	100		
129	103.6	63.2	123.2
131	104.1	70.7	130.7
166	127.7	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128,	52144	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	194483	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	192451	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	115989	8.697	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.00%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	8.07	96	104	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28] cis-1,2-Dichloroethene	9.62	96	1264	0.143	ppbv	93
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.33	62	245m	0.014	ppbv	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-13-22\
Data File : 121323.D
Acq On : 14 Dec 2022 4:48 am
Operator : bat
Sample : 212114-01
Misc : T9
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 14 14:56:23 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

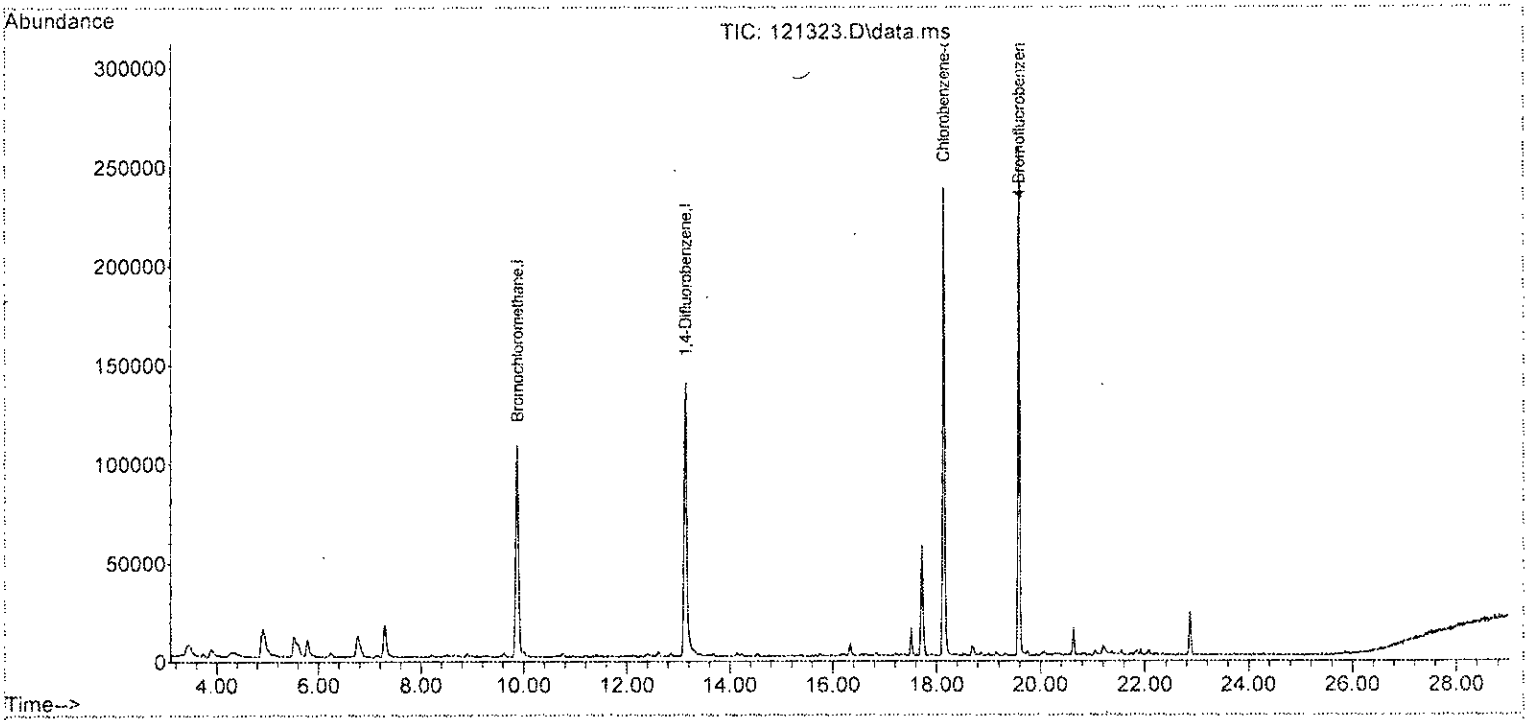
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D. d		
43) Methyl methacrylate	0.00		0	N.D. d		
44) Heptane	0.00		0	N.D. d		
45) Bromodichloromethane	0.00		0	N.D.		
46] Trichloroethene	14.14	95	1093	0.095	ppbv	93
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D. d		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D. d		
53] Tetrachloroethene	17.52	164	3910m	0.410	ppbv	
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D. d		
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D. d		
61) Isopropylbenzene	0.00		0	N.D. d		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D. d		
64) 4-Ethyltoluene	0.00		0	N.D. d		
65) m,p-Xylene	0.00		0	N.D. d		
66) o-Xylene	0.00		0	N.D. d		
67) Styrene	0.00		0	N.D. d		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D. d		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
72) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D. d		
78) Hexachlorobutadiene	0.00		0	N.D.		

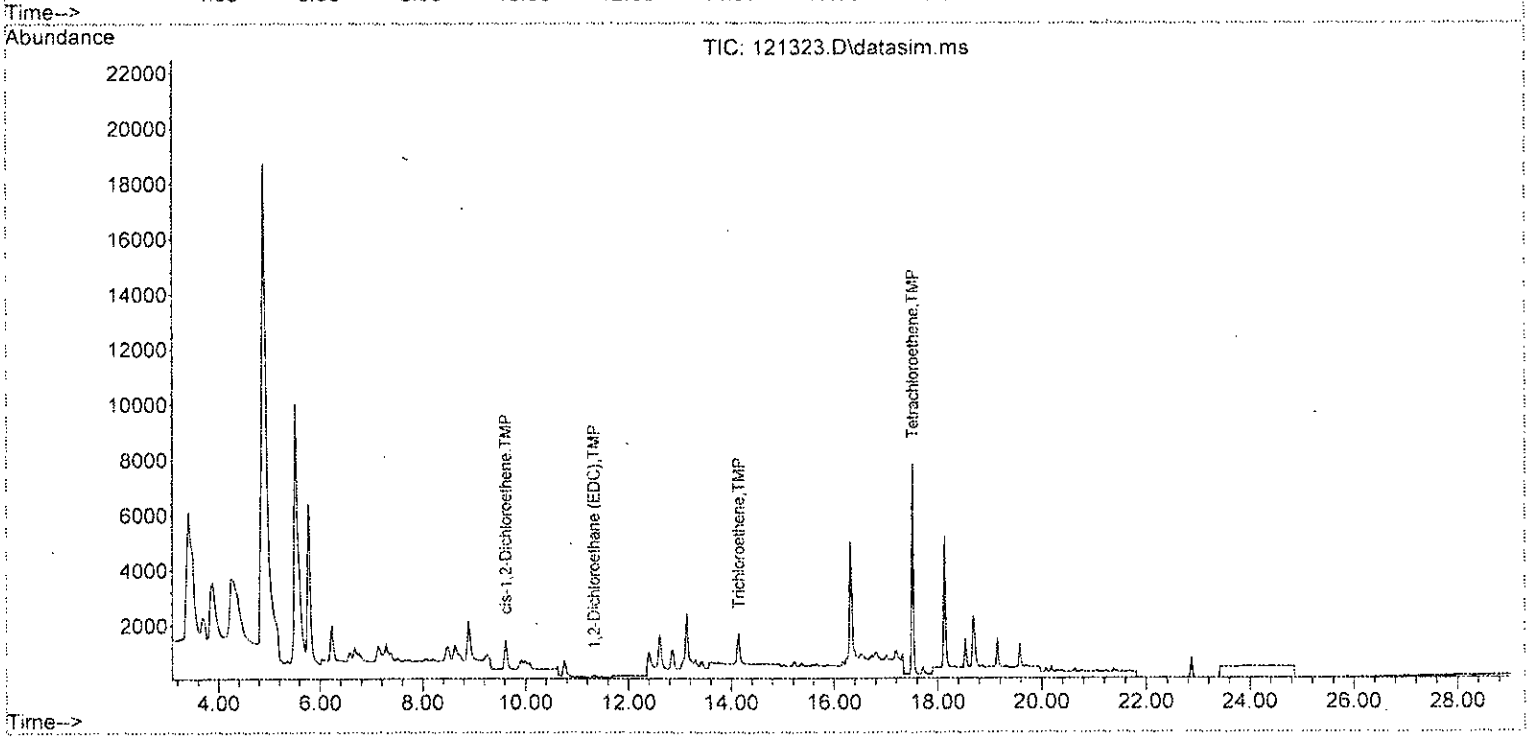
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-13-22\
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Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





F&B Project 212177

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

Chain of Custody Record & Laboratory Analysis Request 212177 12/09/22

Laboratory Number:
Friedman and Bruya
Date: 12/9/2022
Project Name: Carson Cleaners Remedial Investigation
Project Number: 212280-01.01
Project Manager: Gavin Casson / Jennifer Marsala
Phone Number: 206-287-9130
Shipment Method: Drop Off

ANCHOR QEA

TURN AROUND: STANDARD

Line	Field Sample ID	Date	Start Time	End Time	Initial Volume	End Volume	Matrix	No. of Containers	Test Parameters: VOCs - EPA Method TO-15	Lab ID	Comments
1	CC-SS-01-20221209	12/9/2022	0815	1625	29.0	3.5	Air	1	X	01	SUB SLAB; CAN: 18561, REG: 12
2	CC-SS-02-20221209	12/9/2022	0830	1515	~35.0	28.5	Air	1	X	02	SUB SLAB; CAN: 37214, REG ID: 18
3	CC-SS-03-20221209	12/9/2022	0800	1640	29.0	17.0	Air	1	X	03	SUB-SLAB; CAN: 23227, REG: 03
4	CC-IA-01-20221209	12/9/2022	0815	1625	30.0	5.0	Air	1	X	04	INDOOR AIR; CAN: 40708, REG: 07851
5	CC-IA-02-20221209	12/9/2022	0830	1630	29.0	5.0	Air	1	X	05	INDOOR AIR; CAN: 20545, REG: 08182
6	~~CC-IA-03-SS~~	~~12/__/2022~~					~~Air~~	~~1~~	~~X~~		
7	CC-IA-03-20221209	12/9/2022	0800	1640	28.5	3.5	Air	1	X	06	INDOOR AIR; CAN: 37224, REG: 07845
8	CC-AA-01-20221209	12/9/2022	0720	1615	29.0	2.5	Air	1	X	07	AMBIENT AIR, REG ID: 05350, CAN ID: 21484
9											
10											
11											
12											
13											
14											
15											

Notes: See QAPP for analytes and methods

CC-SS-02 AND CC-SS-04 HAD ISSUES W/ VACUUM.

Relinquished By:	Company:	Received By:	Company:
Stephen Stuart	Anchor QEA		FSB
Signature/Printed Name	Date/Time: 12-9-22 / 1730	Signature/Printed Name	Date/Time: 12/09/22 / 17:30
Relinquished By:	Company:	Received By:	Company:
Signature/Printed Name	Date/Time	Signature/Printed Name	Date/Time

Samples received at 19 °C

NP

Distribution: A copy will be made for the laboratory and client. The Project file will retain the original.

Soil Gas Manifolds/Tubing
Billing Sheet

Company Anchor

Client (Person requesting supplies) Stephen Strehl

Address (if new client) _____

_____

Client's project/PO# (if known) Carson Cleaners

☒	3 x **TO15 Soil Gas Manifolds** ($40 each)
☐	_____ **ft. - FEP Tubing** ($4/foot)
☐	_____ **x Purge Can** ($30/each)
☐	_____ **x Unused Can Restocking** ($75/each)
☐	_____ **x Tedlar bags** ($13/each)
☐	_____ **boxes – FedEx Ground** ($25/box)
☐	_____ **boxes – FedEx Express 2nd day air** ($50/box)
☐	_____ **boxes – FedEx Express next day air** ($100/box)

Date 11-12-2

Initials EMB

Put in Mike's box after filling out

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 212177 CLIENT Anchor INITIALS/ DATE: AP 12/09/22

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature 19 °C

Were samples received on ice/cold packs? ☐ YES ☑ NO

How did samples arrive?
- ☑ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☑ Yes ☐ No	# of Containers	☑ Yes ☐ No
Date Sampled	☑ Yes ☐ No	Relinquished	☑ Yes ☐ No
Time Sampled	☑ Yes ☐ No	Requested analysis	☑ Yes ☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☐ YES ☑ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☑ NA ☐ YES ☐ NO

Air Samples: Were any additional canisters received? ☐ NA ☐ YES ☑ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

CC-FA-03 valve not closed. Cap on tight.

CANISTER ORDER/TRACKING FORM

PREPARE ON: DATE 12/7 **READY TIME:** 4 pm

Company Anchor **Contact** Stephen Strehl

Project Name Carson Cleaners **Sampling Date:** _____ ☐ **Match w/ coolers**

Analytes: ☒ cVOCs ☐ BTEXN ☐ Full List ☐ APH ☐ Unknown ☐ Other _____

Ship: ☐ Sameday ☐ Ground ☐ 2 Day ☐ Overnight ☐ F&B _____ ☐ Pick Up _____

Notes/Delivery Address: _____

CANISTERS/FLOW CONTROLLERS REQUESTED

#	Size/Controller	Certification
____	☐ 1L SG	☐ Ind ☐ Batch ☐ 150 cc/min (red) ☐ 200 cc/min (yellow)
3	☒ 6L SG	☒ Ind ☐ Batch ☐ OK to sub for 1L
4	☒ 6L 8hr IA	☒ Ind ☐ Batch
____	☐ 6L 24hr IA	☐ Ind ☐ Batch
____	☐ 6L Purge Can	
____	☐ 1L SG N2 @ 30 PSI | ☐ 6L SG N2 @ 30 PSI	

(SG = Soil Gas; IA = Indoor Air)

Soil Gas Manifolds: ☒ Y ☐ N How many? 3 ($40 each)
Additional Tubing: ☐ Y ☒ N How long? ____ ft ($4 per foot)
Tedlar Bags: ☐ Y ☒ N How many? ____ ($13 each)
Additional Ferrules: ☐ Y ☐ N How many? ____ (No fee)
Other Item: _____ How many? ____ ($____ each)

CHECK OUT

Time can/controllers assembled 3:00 ☒ Vacuum Check >28"Hg, reset to 0"

☒ 0" on gauge after 30 min OK

☒ Entered Can Controller IDs into Database

☒ Nuts/Ferrules Included on Ring

☒ Put Canister in Box

Included in Box: ☒ COC ☒ ID Tags

If requested: ☐ Manifolds ☐ Extra Tubing ☐ Tedlar Bags ☐ Addtl Ferrules

N/A ☐ Manifold Billing Sheet to Mike's Box

Canisters (# Returned/Date) Flow Controllers (# Returned/Date)

6L 7 EMB 12/12 1L _____ | IA 4 SG 3 12/12 EMB | ☒ OK ☐ Damage _____

6L _____ 1L _____ | IA _____ SG _____ | ☐ OK ☐ Damage _____

Laboratory Worksheets

TO-15 EXTRACTION WORKSHEET (AIR)

HT_____

Project #: 212177 Date Received: 12/9/22

Client: ACQ Date Extracted: 12/16/22

QC Batch ID: 02-2970 Date Analyzed: _____

Samples checked against COC BR GCMS ☒7 ☐8, Seq. Date _____

Sample Type:
- ☒ Soil Gas
- ☐ Indoor Air
- ☐ Other_____

Due Date: 12/26

Requested Analytes:
- ☐ TO-15 Full List (sDF=3.3)
- ☐ cVOCs (sDF=10)
- ☐ APH (sDF=39)
- ☐ BTEX (sDF=33)
- ☐ Naphthalene (sDF=3.3)
- ☐ EDB,EDC,Hex,MTBE (sDF=10)
- ☒ Other PCE+Daughters

sDF = Acceptable Dilution Factor For Soil Gas

iDF = Acceptable Dilution Factor For Indoor Air

Reporting Units:
- ☒ µg/m3
- ☐ Other_____
- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☒ Screen Samples First

Sample ID	Canister ID	Initial Vacuum (P_i)	Final Vacuum (P_f)	Initial Dilution Factor	Volume Injected (cc)	Final Dilution Factor	Observations
01	18561	12.98	19.92	1.53	75	1/5.0	
02	37214	1.18	19.91	~~16.4~~ 16.9	75	1/56	
03	23227	5.78	19.96	3.45	75	1/11	
	BR 12/16/22						
	BR 12/16						

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	NA			
Other							
Internal Standard(s)/ Surrogate(s)	✓	50 cc	50 ppbv	TO-15 IS/Surr Mix	68-352	BR	12/16
Other							

Project Leader Initials: MC

NOTES: -02 & -03 may have water
Screen on 12/14 BR

Calculated by BR 12/27/22 Reviewed by YA 12/27/22

TO-15 EXTRACTION WORKSHEET (AIR)

HT_____

Project #: 212177 | Date Received: 12/9/22

Client: ACQ | Date Extracted: 12/16/22

QC Batch ID: 02-2970 | Date Analyzed: /

Samples checked against COC R | GCMS ☑7 ☐8, Seq. Date /

Sample Type:
- ☐ Soil Gas
- ☐ Indoor Air
- ☐ Other_____

Due Date: 12/26

Requested Analytes:
- ☐ TO-15 Full List (sDF=3.3)
- ☐ cVOCs (sDF=10)
- ☐ APH (sDF=39)
- ☐
- ☐ BTEX (sDF=33)
- ☐ Naphthalene (sDF=3.3)
- ☐ EDB,EDC,Hex,MTBE (sDF=10)
- ☒ Other PCE+Daughters

sDF = Acceptable Dilution Factor For Soil Gas
iDF = Acceptable Dilution Factor For Indoor Air

Reporting Units:
- ☒ µg/m3
- ☐ Other_____
- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Screen Samples First

Sample ID	Canister ID	Initial Vacuum (P_i)	Final Vacuum (P_f)	Initial Dilution Factor	Volume Injected (cc)	Final Dilution Factor	Observations
04	40708				250	F.5	
05	20545				↓	↓	
06	37224						
07	21484						
	B 12/16/22		←				
Initials							

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	NA			
Other							
Internal Standard(s)/ Surrogate(s)	✓	50 cc	50 ppbv	TO-15 IS/Surr Mix	62-754	B	12/16
Other							

Project Leader Initials: MG

NOTES:

Calculated by K 12/22/22 | Reviewed by YA 12/27/22

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 12/16/22 14:50 Technician: BJ

QA Batch: **O2-2970**

Matrix
- ☐ Soil
- ☐ Water
- ☐ Product
- ☐ Wipe
- ☑ Other Air

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other TO15/APH/GX

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions		Clean Up (Circle) FL Cu			Observations
					Amt. Extract	Amt. Solvent	Silica	Filter	H_2SO_4	
MB		250								
LCS(TO15)		25								
LCS(APH)		150								
LCS(GX)		20								
212172-02		75								
212172-02 Dup		75								
BJ	12/16/22									
Initials										

Samples in Batch

212177-01	212177-05	212175-02	212175-06	
-02	-06	-03		
-03	-07	-04		
-04	212175-01	-05		

Date/Initials

Matrix Spikes:
25cc ~~µL~~ of 25ppbV ~~ppm~~ of TO15 CCV/LCS Lot # 68-401 12/16/22 BJ
Amount Concentration Analytes and Solvent

Matrix Spikes:
150cc ~~µL~~ of 112.5µg/m³ ~~ppm~~ of APH LCS Lot # 68-68
Amount Concentration Analytes and Solvent

MS Surrogates:
20cc ~~µL~~ of 1,000ppbV ~~ppm~~ of GX CCV/LCS Lot # 68-308
Amount Concentration Analytes and Solvent

Internal Standards:
50cc ~~µL~~ of 50 ppbV ppm of TO15 IS/SURR/BFB Lot # 68-354
Amount Concentration Analytes and Solvent

Notes:

EPA TO-15
MDLs

Reported MDL Data and Calculations

Converted from Reported Air MDLs ppb

Analysis:	TO-15	Standard(s) spiked:	
Matrix:	Air	Volume spiked:	
Instrument ID:	GCMS #7	Date(s) Extracted:	3/22/2021, 03/30/21,
Reporting Units:	ug/m3	Date(s) Analyzed:	3/24/2021, 03/30/21,
		Date Calculated:	3/24/21, 04/01/21, 0
		Calculation Analyst:	BAT, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Propene	0.4304	0.8608	2.1520	0.1436	0.2838	0.1721	165
Dichlorodifluoromethane	0.2791	0.5581	1.3953	0.0931	0.5316	0.4945	108
Chloromethane	0.0643	0.1287	0.3217	0.0215	0.2424	0.2065	117
F-114	0.1664	0.3329	0.8322	0.0555	0.7113	0.6991	102
Vinyl chloride	0.0242	0.0484	0.1211	0.0081	0.0572	0.0511	112
1,3-Butadiene	0.0239	0.0478	0.1195	0.0080	0.0512	0.0442	116
Butane	2.1383	4.2766	10.6914	0.7132	4.7542	4.7542	100
Bromomethane	3.8203	7.6405	19.1014	1.2743	8.9606	7.7661	115
Chloroethane	0.0776	0.1552	0.3881	0.0259	0.2599	0.2638	99
Vinyl Bromide	0.1004	0.2007	0.5018	0.0335	0.3921	0.4375	90
Ethanol	4.2256	8.4511	21.1278	1.4095	4.3394	3.7685	115
Acrolein	0.0494	0.0987	0.2468	0.0165	0.1166	0.1146	102
Pentane	3.1981	6.3962	15.9904	1.0667	5.4183	5.9018	92
Trichlorofluoromethane	0.1954	0.3908	0.9770	0.0652	0.5899	0.5618	105
Acetone	1.8530	3.7061	9.2652	0.6181	5.0716	4.7509	107
2-Propanol	2.0247	4.0494	10.1235	0.6754	4.7622	4.9162	97
1,1-Dichloroethene	0.0568	0.1136	0.2840	0.0189	0.1056	0.0793	133
trans-1,2-Dichloroethene	0.0347	0.0693	0.1733	0.0116	0.0902	0.0793	114
Methylene chloride	3.1799	6.3599	15.8997	1.0607	7.5608	6.9472	109
t-Butyl alcohol (TBA)	3.2671	6.5343	16.3357	1.0898	5.9940	6.0630	99
3-Chloropropene	2.4590	4.9180	12.2951	0.8202	6.1177	6.2601	98
CFC-113	0.3043	0.6085	1.5213	0.1015	0.7606	0.7664	99
Carbon disulfide	3.6241	7.2482	18.1206	1.2088	6.4956	6.2282	104
Methyl t-butyl ether (...	3.7340	7.4680	18.6700	1.2455	6.8231	7.2106	95
Vinyl acetate	3.5615	7.1230	17.8075	1.1880	6.4933	7.0421	92
1,1-Dichloroethane	0.0219	0.0439	0.1097	0.0073	0.0885	0.0809	109
cis-1,2-Dichloroethene	0.0362	0.0724	0.1809	0.0121	0.0877	0.0793	111
Hexane	3.3258	6.6517	16.6292	1.1094	6.4027	7.0495	91
Chloroform	0.0366	0.0733	0.1832	0.0122	0.1056	0.0977	108
Ethyl acetate	3.2257	6.4514	16.1285	1.0759	7.4096	7.2074	103
Tetrahydrofuran	0.1553	0.3106	0.7764	0.0518	0.2739	0.2949	93
2-Butanone (MEK)	3.0782	6.1565	15.3912	1.0268	5.6921	5.8986	97
1,2-Dichloroethane (EDC)	0.0331	0.0661	0.1654	0.0110	0.0870	0.0809	108
1,1,1-Trichloroethane	0.0417	0.0834	0.2085	0.0139	0.1214	0.1091	111
Carbon tetrachloride	0.0659	0.1318	0.3296	0.0220	0.1431	0.1258	114
Benzene	0.0289	0.0579	0.1447	0.0097	0.0747	0.0639	117
Cyclohexane	3.1077	6.2153	15.5383	1.0366	6.3955	6.8843	93
1,2-Dichloropropane	0.0804	0.1609	0.4022	0.0268	0.4829	0.4621	105
1,4-Dioxane	0.0795	0.1590	0.3974	0.0265	0.3383	0.3604	94
2,2,4-Trimethylpentane	2.6817	5.3634	13.4086	0.8945	9.1600	9.3440	98
Methyl Methacrylate	2.5467	5.0933	12.7334	0.8495	8.6679	8.1898	106
Heptane	2.0853	4.1706	10.4265	0.6956	8.1054	8.1971	99
Bromodichloromethane	0.0363	0.0726	0.1816	0.0121	0.1550	0.1340	116
Trichloroethene	0.0515	0.1030	0.2574	0.0172	0.1223	0.1075	114
cis-1,3-Dichloropropene	0.2049	0.4097	1.0244	0.0683	0.5180	0.4539	114
4-Methyl-2-pentanone	2.2479	4.4958	11.2395	0.7498	8.5541	8.1930	104
trans-1,3-Dichloropropene	0.0619	0.1238	0.3095	0.0206	0.4726	0.4539	104
Toluene	0.0794	0.1589	0.3972	0.0265	0.3825	0.3769	102
1,1,2-Trichloroethane	0.0287	0.0573	0.1433	0.0096	0.1214	0.1091	111
2-Hexanone	2.1976	4.3952	10.9880	0.7330	8.5259	8.1930	104
Tetrachloroethene	0.1446	0.2891	0.7229	0.0482	0.7910	0.6782	117
Dibromochloromethane	0.0528	0.1055	0.2638	0.0176	0.1991	0.1704	117
1,2-Dibromoethane (EDB)	0.0519	0.1037	0.2594	0.0173	0.1671	0.1537	109
Chlorobenzene	0.1180	0.2361	0.5902	0.0394	0.4627	0.4604	101
Ethylbenzene	0.1285	0.2570	0.6425	0.0429	0.3582	0.4342	83
1,1,2,2-Tetrachloroethane	0.0479	0.0957	0.2394	0.0160	0.1485	0.1373	108
Nonane	3.6205	7.2410	18.1025	1.2076	9.6995	10.4916	92
Isopropylbenzene	5.2598	10.5196	26.2991	1.7544	10.3796	9.8315	106
2-Chlorotoluene	4.8967	9.7934	24.4836	1.6333	10.6760	10.3550	103
Propylbenzene	4.3113	8.6226	21.5564	1.4381	9.8432	9.8315	100
4-Ethyltoluene	4.5322	9.0645	22.6612	1.5118	9.3866	9.8315	95
m,p-Xylene	0.2558	0.5115	1.2788	0.0853	0.6969	0.8685	80
o-Xylene	0.1536	0.3073	0.7682	0.0512	0.3479	0.4342	80
Styrene	0.1516	0.3033	0.7582	0.0506	0.3328	0.4260	78
Bromoform	0.5132	1.0265	2.5661	0.1712	0.9768	1.0337	95
Benzyl chloride	0.0310	0.0619	0.1549	0.0103	0.0951	0.1035	92
1,3,5-Trimethylbenzene	3.8218	7.6435	19.1088	1.2748	9.7332	9.8315	99
1,2,4-Trimethylbenzene	3.6101	7.2201	18.0504	1.2042	9.0732	9.8315	92
1,3-Dichlorobenzene	0.1088	0.2175	0.5438	0.0363	0.5764	0.6012	96
1,4-Dichlorobenzene	0.1267	0.2534	0.6335	0.0423	0.5373	0.6012	89
1,2-Dichlorobenzene	0.1154	0.2308	0.5769	0.0385	0.5779	0.6012	96
1,2,4-Trichlorobenzene	0.5098	1.0196	2.5491	0.1701	0.7662	0.7421	103
Naphthalene	0.0931	0.1863	0.4657	0.0311	0.0976	0.1048	93
Hexachlorobutadiene	0.1081	0.2162	0.5405	0.0361	0.3146	0.2133	148
IA Napthalene	0.0271	0.0543	0.1357	0.0091	0.1212	0.1048	116
Gasoline Range Organics	29.6568	59.3135	148.2838	9.8922	332.9713	328.0000	102

EPA TO-15
Sequence Tables

Sequence Name: C:\msdchem\1\sequence\11-15-22.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\11-15-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info		
1)	Sample 1	111501	TO15DC	rinse
2)	Sample 2	111502	TO15DC	BFB 67-184a
3)	Sample 3	111503	TO15DC	25 ppbv std prime
4)	Sample 4	111504	TO15DC	25 ppbv scv prime
5)	Sample 5	111505	TO15DC	1.0 ppbv prime
6)	Sample 6	111506	TO15DC	0.1 ppbv prime
7)	Sample 7	111507	TO15DC	0.05 ppbv prime
8)	Sample 8	111508	TO15DC	0.02 ppbv prime
9)	Sample 9	111509	SRINSE	rinse, short
10)	Sample 10	111510	SRINSE	rinse, short
11)	Sample 11	111511	SRINSE	rinse, short
12)	Sample 12	111512	TO15DC	rinse
13)	Sample 13	111513	TO15DC	rinse
14)	Sample 14	111514	TO15DC	rinse
15)	Sample 15	111515	TO15DC	0.01 ppbv TO15 67-196e
16)	Sample 16	111516	TO15DC	0.01 ppbv 67-196e
17)	Sample 17	111517	TO15DC	0.02 ppbv 67-196e
18)	Sample 18	111518	TO15DC	0.05 ppbv 67-196D
19)	Sample 19	111519	TO15DC	0.1 ppbv 67-196c
20)	Sample 20	111520	TO15DC	0.2 ppbv 67-196B
21)	Sample 21	111521	TO15DC	0.5 ppbv 67-196B
22)	Sample 22	111522	TO15DC	1.0 ppbv 67-196B
23)	Sample 23	111523	TO15DC	2.5 ppbv 67-196a
24)	Sample 24	111524	TO15DC	4.0 ppbv 67-196a
25)	Sample 25	111525	TO15DC	5.0 ppbv 67-196a
26)	Sample 26	111526	TO15DC	8.0 ppbv 67-196a
27)	Sample 27	111527	TO15DC	10 ppbv 67-196a
28)	Sample 28	111528	TO15DC	15 ppbv 67-196a
29)	Sample 29	111529	TO15DC	rinse
30)	Sample 30	111530	TO15DC	rinse
31)	Sample 31	111531	TO15DC	2.5 ppbv 67-167a
32)	Sample 32	111532	TO15DC	rinse

Sample	1	rinse	TO15DC	111601	T1
Sample	2	BFB 67-184a	TO15DC	111602	T1
Sample	3	02-2755 lcs/ 2.5ppbv 67-196a	TO15DC	111603	cal line
Sample	4	5 ppbv APH 67-163a	TO15DC	111604	Line 2
Sample	*5*	*02-2755 lcs/ 67 ug/m3 67-160b*	*TO15DC*	*111605*	*Line 3*
Sample	*6*	*tree rinse*	*SRINSE*	*111606*	*T1*
Sample	7	tree rinse	SRINSE	*111607*	T1
Sample	8	rinse	TO15DC	111608	T1
Sample	9	rinse	TO15DC	111609	T1
Sample	10	02-2755 MB	TO15DC	111610	T1
Sample	11	211099-01	TO15DC	111611	T2
Sample	12	211099-02	TO15DC	111612	T3
Sample	13	211099-03	TO15DC	111613	T4
Sample	14	211099-04	TO15DC	111614	T5
Sample	15	211099-05	TO15DC	111615	T6
Sample	16	211099-06	TO15DC	111616	T7
Sample	17	211099-07	TO15DC	111617	T8
Sample	18	211099-08	TO15DC	111618	T9
Sample	19	rinse	TO15DC	111619	T1
Sample	20	211070-01 dup 1/5.3	TO15DC	111620	T10
Sample	21	211070-01 1/5.3	TO15DC	111621	T10
Sample	22	211070-02 1/5.1	TO15DC	111622	T11
Sample	23	211070-03 1/5.5	TO15DC	111623	T12
Sample	24	rinse	TO15DC	111624	T1
Sample	25	211069-03 1/4.8	TO15DC	111625	T13
Sample	*26*	*211069-02 1/4.8*	*TO15DC*	*111626*	*T14*
Sample	*27*	*211069-01 1/5.4*	*TO15DC*	*111627*	*T15*
Sample	28	rinse	TO15DC	111628	T1
Sample	29	211048-01 1/270	TO15DC	111629	Line 4
Sample	30	rinse	TO15DC	111630	T1
Sample	31	rinse	TO15DC	111631	T1

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Injection Log

Data Directory: D:\Proc_GCMS7\11-15-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 111501.D	TO15DC.M			
rinse	T1	1	1.000	15 Nov 2022 6:19 pm
2) 111502.D	TO15DC.M			
BFB 67-184a	T1	2	1.000	15 Nov 2022 6:54 pm
3) 111503.D	TO15DC.M			
25 ppbv std prime	cal line	3	1.000	15 Nov 2022 7:29 pm
4) 111504.D	TO15DC.M			
25 ppbv scv prime	T7	4	1.000	15 Nov 2022 8:04 pm
5) 111505.D	TO15DC.M			
1.0 ppbv prime	T6	5	1.000	15 Nov 2022 8:38 pm
6) 111506.D	TO15DC.M			
0.1 ppbv prime	T5	6	1.000	15 Nov 2022 9:14 pm
7) 111507.D	TO15DC.M			
0.05 ppbv prime	T4	7	1.000	15 Nov 2022 9:50 pm
8) 111508.D	TO15DC.M			
0.02 ppbv prime	T3	8	1.000	15 Nov 2022 10:27 pm
9) 111509.D	SRINSE.M			
rinse, short	T1	9	1.000	15 Nov 2022 11:06 pm
10) 111510.D	SRINSE.M			
rinse, short	T1	10	1.000	15 Nov 2022 11:42 pm
11) 111511.D	SRINSE.M			
rinse, short	T1	11	1.000	16 Nov 2022 12:18 am
12) 111512.D	TO15DC.M			
rinse	T1	12	1.000	16 Nov 2022 1:00 am
13) 111513.D	TO15DC.M			
rinse	T1	13	1.000	16 Nov 2022 1:44 am
14) 111514.D	TO15DC.M			
rinse	T1	14	1.000	16 Nov 2022 2:28 am
15) 111515.D	TO15DC.M			
0.01 ppbv TO15 67-..	T3, 125cc of 0.02..	15	1.000	16 Nov 2022 3:05 am
16) 111516.D	TO15DC.M			
0.01 ppbv 67-196e	T3, 125cc of 0.02..	16	1.000	16 Nov 2022 3:43 am
17) 111517.D	TO15DC.M			
0.02 ppbv 67-196e	T3, 250cc of 0.02p..	17	1.000	16 Nov 2022 4:27 am
18) 111518.D	TO15DC.M			
0.05 ppbv 67-196D	T4, 250cc of 0.05p..	18	1.000	16 Nov 2022 5:11 am
19) 111519.D	TO15DC.M			
0.1 ppbv 67-196c	T5, 250cc of 0.1ppbv	19	1.000	16 Nov 2022 5:54 am
20) 111520.D	TO15DC.M			
0.2 ppbv 67-196B	T6, 50cc of 1ppbv	20	1.000	16 Nov 2022 6:29 am
21) 111521.D	TO15DC.M			

0.5 ppbv 67-196B	T6, 125cc of 1ppbv	21	1.000	16 Nov 2022	7:07 am
22) 111522.D	TO15DC.M				
1.0 ppbv 67-196B	T6, 250cc of 1ppbv	22	1.000	16 Nov 2022	7:51 am
23) 111523.D	TO15DC.M				
2.5 ppbv 67-196a	cal line, 25cc of ..	23	1.000	16 Nov 2022	8:25 am
24) 111524.D	TO15DC.M				
4.0 ppbv 67-196a	cal line, 25cc of ..	24	1.000	16 Nov 2022	9:00 am
25) 111525.D	TO15DC.M				
5.0 ppbv 67-196a	cal line, 25cc of ..	25	1.000	16 Nov 2022	9:34 am
26) 111526.D	TO15DC.M				
8.0 ppbv 67-196a	cal line, 25cc of ..	26	1.000	16 Nov 2022	10:10 am
27) 111527.D	TO15DC.M				
10 ppbv 67-196a	cal line, 25cc of ..	27	1.000	16 Nov 2022	10:46 am
28) 111528.D	TO15DC.M				
15 ppbv 67-196a	cal line, 25cc of ..	28	1.000	16 Nov 2022	11:25 am
29) 111529.D	TO15DC.M				
rinse	T1	29	1.000	16 Nov 2022	12:08 pm
30) 111530.D	TO15DC.M				
rinse	T1	30	1.000	16 Nov 2022	12:52 pm
31) 111531.D	TO15DC.M				
2.5 ppbv 67-167a	T7, 25cc of 25ppbv	31	1.000	16 Nov 2022	1:27 pm

Sequence Name: D:\GCMS7\GCMS7_Data\12-16-22.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\12-16-22\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

VM 12/9

Line			Sample Name/Misc Info		
1)	Sample	1	121601	TO15DC	rinse
2)	Sample	2	121602	TO15DC	BFB 68-35a
3)	Sample	3	121603	TO15DC	02-2970 lcs/ 2.5 ppbv 68-40a
4)	Sample	4	121604	TO15DC	5 ppbv APH 68-5a
5)	Sample	6	121605	TO15DC	02-2970 lcs/ 67 ug/ml 68-6b
6)	Sample	7	121606	TO15DC	02-2970 lcs/ 80 ppbv Gx 68-30
7)	Sample	8	121607	SRINSE	rinse, short
8)	Sample	8	121608	SRINSE	rinse, short
9)	Sample	9	121609	TO15DC	rinse
10)	Sample	10	121610	TO15DC	rinse
11)	Sample	11	121611	TO15DC	02-2970 MB
12)	Sample	12	121612	TO15DC	212177-07
13)	Sample	13	121613	TO15DC	212177-06
14)	Sample	14	121614	TO15DC	212177-05
15)	Sample	15	121615	TO15DC	212177-04
16)	Sample	16	121616	TO15DC	212177-01 1/5.0
17)	Sample	17	121617	TO15DC	212177-03 1/11
18)	Sample	18	121618	TO15DC	212177-02 1/56
19)	Sample	19	121619	TO15DC	rinse
20)	Sample	20	121620	TO15DC	rinse
21)	Sample	21	121621	TO15DC	212175-04
22)	Sample	22	121622	TO15DC	212175-05
23)	Sample	23	121623	TO15DC	212175-06
24)	Sample	24	121624	TO15DC	212175-01 1/5.2
25)	Sample	25	121625	TO15DC	212175-02 1/5.2
26)	Sample	26	121626	TO15DC	212175-03 1/5.1
27)	Sample	27	121627	TO15DC	rinse
28)	Sample	28	121628	TO15DC	212172-02 dup 1/4.8
29)	Sample	29	121629	TO15DC	212172-02 1/4.8
30)	Sample	30	121630	TO15DC	212172-01 1/7.8
31)	Sample	31	121631	TO15DC	rinse
32)	Sample	32	121632	TO15DC	rinse

Sample	1	rinse	TO15DC	121601	T1
Sample	2	BFB 68-35a	TO15DC	121602	T1
Sample	3	02-2970 lcs/ 2.5 ppbv 68-40a	TO15DC	121603	Cal line
Sample	4	5 ppbv APH 68-5a	TO15DC	121604	line 2
Sample	6	02-2970 lcs/ 67 ug/ml 68-6b	TO15DC	121605	line 3
Sample	7	02-2970 lcs/ 80 ppbv Gx 68-30b	TO15DC	121606	line 4
Sample	8	rinse, short	SRINSE	121607	T1
Sample	8	rinse, short	SRINSE	121608	T1
Sample	9	rinse	TO15DC	121609	T1
Sample	10	rinse	TO15DC	121610	T1
Sample	11	02-2970 MB	TO15DC	121611	T1
Sample	12	212177-07	TO15DC	121612	T2
Sample	13	212177-06	TO15DC	121613	T3
Sample	14	212177-05	TO15DC	121614	T4
Sample	15	212177-04	TO15DC	121615	T5
Sample	16	212177-01 1/5.0	TO15DC	121616	T6
Sample	17	212177-03 1/11	TO15DC	121617	T7
Sample	18	212177-02 1/56	TO15DC	121618	T8
Sample	19	rinse	TO15DC	121619	T1
Sample	20	rinse	TO15DC	121620	T1
Sample	21	212175-04	TO15DC	121621	T9
Sample	22	212175-05	TO15DC	121622	T10
Sample	23	212175-06	TO15DC	121623	T11
Sample	24	212175-01 1/5.2	TO15DC	121624	T12
Sample	25	212175-02 1/5.2	TO15DC	121625	T13
Sample	26	212175-03 1/5.1	TO15DC	121626	T14
Sample	27	rinse	TO15DC	121627	T1
Sample	28	212172-02 dup 1/4.8	TO15DC	121628	T15
Sample	29	212172-02 1/4.8	TO15DC	121629	T15
Sample	30	212172-01 1/7.8	TO15DC	121630	T16
Sample	31	rinse	TO15DC	121631	T1
Sample	32	rinse	TO15DC	121632	T1

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Injection Log

Data Directory: D:\Proc_GCMS7\12-16-22\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 121601.D rinse	TO15DC.M T1	1	1.000	16 Dec 2022 2:45 pm
2) 121602.D BFB 68-35a	TO15DC.M T1	2	1.000	16 Dec 2022 3:30 pm
3) 121603.D 02-2970 lcs/ 2.5 p..	TO15DC.M Cal line	3	1.000	16 Dec 2022 3:55 pm
4) 121604.D 5 ppbv APH 68-5a	TO15DC.M line 2	4	1.000	16 Dec 2022 4:30 pm
5) 121605.D 02-2970 lcs/ 67 ug..	TO15DC.M line 3	6	1.000	16 Dec 2022 5:09 pm
6) 121606.D 02-2970 lcs/ 80 pp..	TO15DC.M line 4	7	1.000	16 Dec 2022 5:44 pm
7) 121607.D rinse, short	SRINSE.M T1	8	1.000	16 Dec 2022 6:29 pm
8) 121608.D rinse, short	SRINSE.M T1	8	1.000	16 Dec 2022 7:06 pm
9) 121609.D rinse	TO15DC.M T1	9	1.000	16 Dec 2022 7:48 pm
10) 121610.D rinse	TO15DC.M T1	10	1.000	16 Dec 2022 8:31 pm
11) 121611.D 02-2970 MB	TO15DC.M T1	11	1.000	16 Dec 2022 9:15 pm
12) 121612.D 212177-07	TO15DC.M T2	12	1.000	16 Dec 2022 10:00 pm
13) 121613.D 212177-06	TO15DC.M T3	13	1.000	16 Dec 2022 10:44 pm
14) 121614.D 212177-05	TO15DC.M T4	14	1.000	16 Dec 2022 11:32 pm
15) 121615.D 212177-04	TO15DC.M T5	15	1.000	17 Dec 2022 12:19 am
16) 121616.D 212177-01 1/5.0	TO15DC.M T6	16	1.000	17 Dec 2022 12:55 am
17) 121617.D 212177-03 1/11	TO15DC.M T7	17	1.000	17 Dec 2022 1:30 am
18) 121618.D 212177-02 1/56	TO15DC.M T8	18	1.000	17 Dec 2022 2:05 am
19) 121619.D rinse	TO15DC.M T1	19	1.000	17 Dec 2022 2:49 am
20) 121620.D rinse	TO15DC.M T1	20	1.000	17 Dec 2022 3:32 am
21) 121621.D	TO15DC.M			

212175-04	T9		21	1.000	17 Dec 2022	4:18 am
22) 121622.D		TO15DC.M				
212175-05	T10		22	1.000	17 Dec 2022	5:05 am
23) 121623.D		TO15DC.M				
212175-06	T11		23	1.000	17 Dec 2022	5:49 am
24) 121624.D		TO15DC.M				
212175-01 1/5.2	T12		24	1.000	17 Dec 2022	6:24 am
25) 121625.D		TO15DC.M				
212175-02 1/5.2	T13		25	1.000	17 Dec 2022	6:59 am
26) 121626.D		TO15DC.M				
212175-03 1/5.1	T14		26	1.000	17 Dec 2022	7:35 am
27) 121627.D		TO15DC.M				
rinse	T1		27	1.000	17 Dec 2022	8:19 am
28) 121628.D		TO15DC.M				
212172-02 dup 1/4.8	T15		28	1.000	17 Dec 2022	8:54 am
29) 121629.D		TO15DC.M				
212172-02 1/4.8	T15		29	1.000	17 Dec 2022	9:29 am
30) 121630.D		TO15DC.M				
212172-01 1/7.8	T16		30	1.000	17 Dec 2022	10:03 am
31) 121631.D		TO15DC.M				
rinse	T1		31	1.000	17 Dec 2022	10:47 am
32) 121632.D		TO15DC.M				
rinse	T1		32	1.000	17 Dec 2022	11:31 am

EPA TO-15
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 7 Sequence Date: 11-15-22 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ Rst	11-18-22
2nd source passed * See Note	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: - Carbon tetrachloride - raised RL to 2.5 ppbv
- Brominated analytes (Bromodichloromethane, Dibromochloromethane, Bromoform - raised RL to 2.5 ppbv
* - SCV Bust for Carbon tetrachloride & Bromoform "Ca" Low Benzyl Chloride "Ca"

Attach this sheet to raw data package.

YA 11/21/22
Supervisor Initials and Date

TO-15/TO-17
Daily Checklist

Instrument: GC/MS 7 Sequence Date: 12-16-22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 24 hour shift	✓ BL	12-22-22
Internal Standards within limits 60%-140% of the CCV	✓	
Surrogate recoveries within limits (TO-15 only)	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	see ✓ note	
Non-Conformance Report filled out (if needed)	NA	

Notes: EEthanol out high in ccv, naphthalene - and 1,2,4-trichlorobenzene out ccv

Attach this sheet to raw data package.

YA 12/27/22
Supervisor Initials and Date

EPA TO-15
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\11-15-22\111502.D
Tune Time : 15 Nov 2022 6:54 pm

Daily Calibration File : D:\Proc_GCMS7\11-15-22\111523.D

			(BFB)		
			60056	277968	243467
File	Sample	Surrogate Recovery %	Internal Standard Responses		
111516.D	0.01 ppbv	91	63553	284548	252181
111517.D	0.02 ppbv	93	62504	285561	252187
111518.D	0.05 ppbv	90	63103	281669	250812
111519.D	0.1 ppbv 6	90	62284	285873	251782
111520.D	0.2 ppbv 6	92	63282	281999	252889
111521.D	0.5 ppbv 6	98	62780	282561	247110
111522.D	1.0 ppbv 6	99	61897	280612	252262
111523.D	2.5 ppbv 6	107	60056	277968	243467
111524.D	4.0 ppbv 6	106	61124	281759	251020
111525.D	5.0 ppbv 6	108	60983	276283	244337
111526.D	8.0 ppbv 6	107	57898	276532	249716
111527.D	10 ppbv 67	107	58357	276208	247864
111528.D	15 ppbv 67	113	58999	278765	247324
111531.D	2.5 ppbv 6	105	61975	285054	252304

(fails) - fails 24hr time check * - fails criteria

Created: Fri Nov 18 15:30:42 2022 GCMS7

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\12-16-22\121602.D
Tune Time : 16 Dec 2022 3:20 pm

Daily Calibration File : D:\Proc_GCMS7\12-16-22\121603.D

TO15
page 1 of 2
12/24/22

			(BFB)		
			48699	202988	185926
File	Sample	Surrogate Recovery %	Internal Standard Responses		
121609.D	rinse	85	48931	194659	180164
121610.D	rinse	82	45646	188408	174265
121611.D	02-2970 MB	83	46293	184657	166712
121612.D	212177-07	85	44819	179599	165033
121613.D	212177-06	85	44033	169942	164348
121614.D	212177-05	86	47906	185442	178237
121615.D	212177-04	84	47825	187147	183230
121616.D	212177-01	86	49496	196417	178767
121617.D	212177-03	88	50105	198061	178253
121618.D	212177-02	85	51670	196572	182484
121619.D	rinse	86	48253	197186	179026
121620.D	rinse	83	50110	197301	179543
121621.D	212175-04	88	49010	182908	190006
121622.D	212175-05	91	48570	190191	186472
121623.D	212175-06	92	49006	191668	181149
121624.D	212175-01	86	48034	196089	191768
121625.D	212175-02	87	49892	198728	187206
121626.D	212175-03	85	49658	197319	192083
121627.D	rinse	85	49535	196562	178572

121628.D	212172-02	81	51221	194179	182206
121629.D	212172-02	83	49147	196780	181102
121630.D	212172-01	97	49637	198671	196619
121631.D	rinse	82	49665	192186	180491
121632.D	rinse	82	49511	193092	178379

(fails) - fails 24hr time check * - fails criteria

Created: Thu Dec 22 14:54:20 2022 GCMS7

+015
page 20/2
12/22/22

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\12-16-22\121602.D
Tune Time : 16 Dec 2022 3:20 pm

Daily Calibration File : D:\Proc_GCMS7\12-16-22\121606.D

File	Sample	Surrogate Recovery % (BFB)	Internal Standard Responses		
			48429	205671	184733
121611.D	02-2970 MB	90	46293	184657	166712
121628.D	212172-02	88	51221	194179	182206
121629.D	212172-02	90	49147	196780	181102
121630.D	212172-01	105	49637	198671	196619

(fails) - fails 24hr time check * - fails criteria

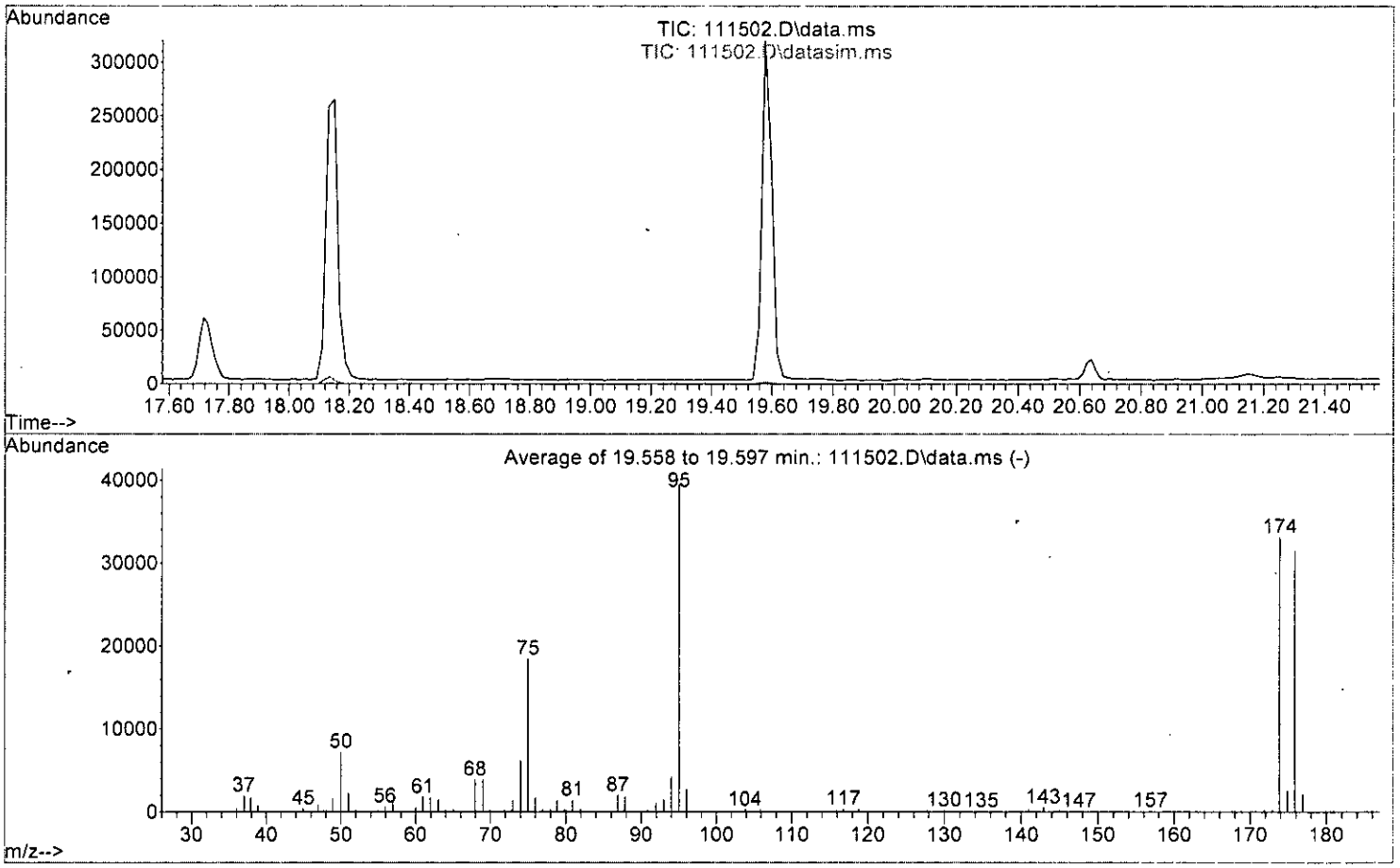
Created: Thu Dec 22 14:56:25 2022 GCMS7

EPA TO-15
Tune Summaries

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111502.D
Acq On : 15 Nov 2022 6:54 pm
Operator : bat
Sample : BFB 67-184a
Misc : T1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022



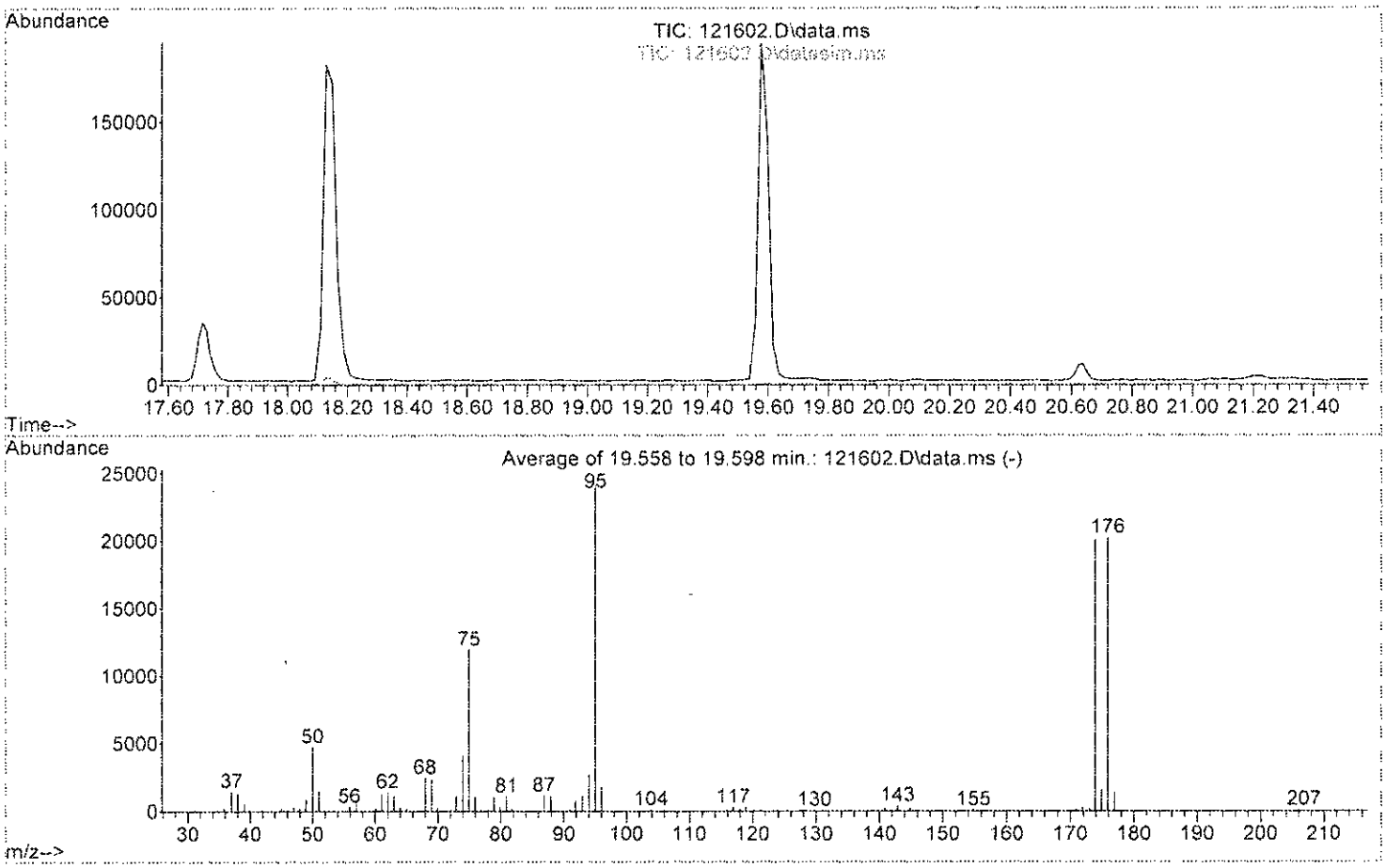
AutoFind: Scans 791, 792, 793; Background Corrected with Scan 787

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.2	7157	PASS
75	95	30	66	46.8	18431	PASS
95	95	100	100	100.0	39397	PASS
96	95	5	9	6.6	2599	PASS
173	174	0.00	2	0.5	155	PASS
174	95	50	120	84.0	33111	PASS
175	174	4	9	7.3	2426	PASS
176	174	93	101	94.8	31402	PASS
177	176	5	9	6.4	2022	PASS

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121602.D
Acq On : 16 Dec 2022 3:20 pm
Operator : bat
Sample : BFB 68-35a
Misc : T1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022



AutoFind: Scans 791, 792, 793; Background Corrected with Scan 787

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	19.6	4709	PASS
75	95	30	66	49.5	11918	PASS
95	95	100	100	100.0	24068	PASS
96	95	5	9	7.3	1761	PASS
173	174	0.00	2	0.7	144	PASS
174	95	50	120	83.3	20043	PASS
175	174	4	9	7.5	1498	PASS
176	174	93	101	100.9	20229	PASS
177	176	5	9	6.7	1355	PASS

EPA TO-15
Initial Calibrations

Response Factor Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

Calibration Files
0.01=111516.D 0.02=111517.D 0.05=111518.D 0.1 =111519.D 0.2 =111520.D 0.5 =111521.D 1 =111522.D 2.5 =111523.D 4 =111524.D 5 =111525.D
8 =111526.D 10 =111527.D 15 =111528.D

	Compound	0.01	0.02	0.05	0.1	0.2	0.5	1	2.5	4	5	8	10	15	Avg	%RSD
1)	I Bromochloromethane	----------ISTD----------														
2)	TMP Propene				2.649	2.051	1.351	1.369	1.420	1.357	1.349	1.308	1.354	1.346	1.556	28.46
3)	TMP Dichlorodifluo...			5.176	3.675	3.922	3.590	4.079	4.329	4.134	4.056	4.205	4.125	4.057	4.123	9.98
4)	TMP Chloromethane					2.325	1.964	1.935	1.899	1.807	1.778	1.786	1.743	1.706	1.882	9.97
5)	TMP F-114			5.258	4.602	4.075	4.359	4.045	4.206	4.002	4.036	4.059	3.892	3.855	4.217	9.61
6)	TMP Vinyl chloride		2.744	2.003	1.864	1.795	1.701	1.699	1.827	1.739	1.704	1.734	1.718	1.680	1.851	16.00
7)	TMP 1,3-Butadiene		1.904	1.318	1.203	1.104	1.074	1.067	1.188	1.131	1.127	1.164	1.159	1.154	1.216	18.63
8)	TMP Butane						2.071	2.263	2.308	2.148	2.200	2.131	2.196	2.146	2.183	3.47
9)	TMP Bromomethane				2.702	1.784	1.856	1.853	1.858	1.692	1.662	1.700	1.713	1.651	1.847	16.85
10)	TMP Chloroethane				0.727	0.646	0.637	0.643	0.698	0.646	0.637	0.642	0.647	0.623	0.655	4.91
11)	TMP Vinyl bromide			1.689	1.663	1.523	1.647	1.479	1.698	1.592	1.555	1.761	1.561	1.535	1.609	5.46
12)	TMP Ethanol						0.726	0.813	0.720	0.652	0.582	0.594	0.558	0.661	0.663	13.04
13)	TMP Acrolein			0.865	1.117	0.708	0.692	0.722	0.658	0.646	0.639	0.647	0.663	0.660	0.729	19.75
14)	TMP Pentane						2.519	2.295	2.631	2.544	2.421	2.503	2.440	2.331	2.461	4.54
15)	TMP Trichlorofluor...				4.654	4.969	4.775	4.761	5.185	4.858	4.722	4.749	4.617	4.524	4.781	3.93
16)	TMP Acetone						0.910	0.819	0.785	0.654	0.630	0.635	0.633	0.617	0.710	15.73
17)	TMP 2-Propanol						3.033	2.963	3.236	3.044	3.013	3.198	3.182	3.099	3.096	3.20
18)	TMP 1,1-Dichloroet...		2.344	1.990	1.652	1.639	1.527	1.509	1.622	1.523	1.502	1.506	1.486	1.442	1.645	15.99
19)	TMP trans-1,2-Dich...		2.128	1.784	1.585	1.600	1.520	1.446	1.618	1.527	1.498	1.513	1.497	1.457	1.598	11.90
20)	TMP Methylene chlo...						1.471	1.552	1.634	1.470	1.488	1.466	1.384	1.366	1.479	5.80
21)	TMP t-Butyl alcoho...						2.568	2.433	2.639	2.698	2.743	2.742	2.756	2.764	2.668	4.36
22)	TMP 3-Chloropropene					2.027	1.872	1.794	2.083	2.107	2.194	2.159	2.134	2.134	2.056	6.63
23)	TMP CFC-113			3.981	3.171	3.670	3.473	3.137	3.751	3.549	3.367	3.382	3.412	3.272	3.469	7.34
24)	TMP Carbon disulfide						4.668	4.527	5.877	5.373	5.324	5.246	5.190	5.130	5.167	8.14
25)	TMP Methyl t-butyl...					3.259	3.509	3.271	3.667	3.413	3.365	3.510	3.511	3.398	3.434	3.79
26)	TMP Vinyl acetate						2.934	2.930	4.076	4.014	3.989	4.144	4.157	4.166	3.801	14.21
27)	TMP 1,1-Dichloroet...		4.136	3.645	3.384	3.272	3.127	3.052	3.504	3.275	3.217	3.235	3.178	3.084	3.342	9.06
28)	TMP cis-1,2-Dichlo...		2.224	1.946	1.700	1.639	1.579	1.537	1.707	1.619	1.588	1.605	1.589	1.547	1.690	11.87
29)	TMP Hexane						1.898	1.858	2.121	2.104	2.061	2.207	2.141	2.154	2.068	6.04
30)	TMP Chloroform	6.042	4.704	4.348	3.910	3.904	3.759	3.632	4.070	3.797	3.722	3.721	3.655	3.519	4.060	16.68
31)	TMP Ethyl acetate						3.414	3.444	3.876	3.898	3.858	3.911	3.956	3.951	3.789	5.92
32)	TMP Tetrahydrofuran				1.946	1.795	1.662	1.672	1.782	1.741	1.745	1.774	1.993	1.986	1.809	6.77
33)	TMP 2-Butanone (MEK)				0.554	0.585	0.611	0.637	0.667	0.648	0.636	0.618	0.618	0.615	0.619	5.16
34)	TMP 1,2-Dichloroet...	4.091	3.080	2.748	2.522	2.616	2.402	2.352	2.684	2.569	2.507	2.508	2.461	2.391	2.687	17.23
35)	TMP 1,1,1-Trichlor...		3.672	3.749	3.095	3.254	3.032	2.993	3.684	3.415	3.377	3.356	3.301	3.193	3.343	7.59
36)	TMP Carbon tetrach...								3.799	3.563	3.487	3.502	3.444	3.341	3.523	4.37
37)	TMP Benzene				9.924	5.732	5.211	5.231	5.509	5.164	5.049	5.111	5.043	4.906	5.688	26.50

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method

38)	TMP	Cyclohexane					1.275	1.462	1.455	1.368	1.315	1.358	1.365	1.338	1.367	4.69
39)	I	1,4-Difluorobenzene	----------ISTD----------													
40)	TMP	1,2-Dichloropr...	0.679	0.636	0.555	0.524	0.515	0.512	0.551	0.525	0.522	0.500	0.495	0.483	0.541	10.87
41)	TMP	1,4-Dioxane		0.271	0.249	0.244	0.234	0.228	0.220	0.218	0.221	0.215	0.217	0.215	0.230	7.76
42)	TMP	2,2,4-Trimethy...					1.657	1.472	1.669	1.615	1.623	1.594	1.588	1.570	1.598	3.83
43)	TMP	Methyl methacr...					0.459	0.474	0.522	0.490	0.484	0.482	0.484	0.488	0.485	3.64
44)	TMP	Heptane					0.623	0.619	0.689	0.662	0.692	0.669	0.678	0.675	0.663	4.24
45)	TMP	Bromodichlorom...							0.915	0.868	0.867	0.826	0.825	0.796	0.850	4.96
46)	TMP	Trichloroethene	0.872	0.671	0.633	0.614	0.569	0.555	0.578	0.547	0.547	0.517	0.514	0.500	0.593	17.09
47)	TMP	cis-1,3-Dichlo...			0.554	0.541	0.577	0.543	0.655	0.630	0.650	0.615	0.617	0.604	0.599	7.11
48)	TMP	4-Methyl-2-pen...					0.038	0.042	0.045	0.045	0.045	0.047	0.047	0.045	0.044	6.90
49)	TMP	trans-1,3-Dich...		0.659	0.519	0.509	0.497	0.492	0.603	0.588	0.590	0.580	0.580	0.578	0.563	9.26
50)	TMP	Toluene		0.823	0.734	0.726	0.678	0.667	0.735	0.701	0.700	0.674	0.676	0.664	0.707	6.59
51)	TMP	1,1,2-Trichlor...	0.893	0.683	0.576	0.520	0.507	0.491	0.478	0.548	0.516	0.509	0.484	0.479	0.461	0.550	21.48
52)	TMP	2-Hexanone					0.730	0.791	0.864	0.868	0.888	0.860	0.894	0.875	0.846	6.69
53)	TMP	Tetrachloroethene			0.551	0.530	0.517	0.473	0.512	0.477	0.521	0.448	0.443	0.426	0.490	8.60
54)	TMP	Dibromochlorom...							0.908	0.882	0.876	0.843	0.838	0.817	0.861	3.92
55)	TMP	1,2-Dibromoeth...	1.269	0.991	0.936	0.800	0.784	0.751	0.754	0.801	0.753	0.758	0.718	0.710	0.689	0.824	19.28
56)	I	Chlorobenzene-d5	----------ISTD----------													
57)	TMP	Chlorobenzene			1.379	1.053	1.148	1.049	1.147	1.069	1.091	1.033	1.030	1.010	1.101	9.86
58)	TMP	Ethylbenzene	3.545	2.603	2.008	1.778	1.694	1.667	1.626	1.884	1.788	1.825	1.733	1.723	1.714	1.968	27.25
59)	TMP	1,1,2,2-Tetrac...	2.169	1.580	1.536	1.282	1.311	1.283	1.215	1.424	1.329	1.323	1.241	1.229	1.195	1.394	18.75
60)	TMP	Nonane						0.660	0.731	1.054	1.075	1.087	1.065	1.082	1.092	0.981	18.09
61)	TMP	Isopropylbenzene			1.788	1.672	1.619	1.700	1.997	1.835	1.901	1.791	1.821	1.795	1.792	6.16
62)	TMP	2-Chlorotoluene						0.394	0.415	0.490	0.461	0.477	0.445	0.452	0.449	0.448	6.93
63)	TMP	Propylbenzene			2.636	2.691	2.871	3.030	3.716	3.638	3.678	3.548	3.570	3.542	3.292	13.17
64)	TMP	4-Ethyltoluene						1.213	1.302	1.676	1.700	1.756	1.724	1.748	1.773	1.611	13.78
65)	TMP	m,p-Xylene	0.845	0.646	0.568	0.547	0.557	0.551	0.670	0.650	0.666	0.636	0.632	0.631	0.633	12.76
66)	TMP	o-Xylene	0.799	0.634	0.554	0.535	0.548	0.548	0.660	0.635	0.641	0.606	0.611	0.606	0.615	11.66
67)	TMP	Styrene			0.690	0.685	0.782	0.695	0.862	0.880	0.884	0.878	0.910	0.924	0.819	11.80
68)	TMP	Bromoform							1.107	1.046	1.046	0.988	0.993	0.990	1.028	4.59
69)	S	4-Bromofluorob...	0.628	0.642	0.626	0.624	0.641	0.676	0.686	0.745	0.732	0.745	0.739	0.744	0.782	0.693	8.18
70)	TMP	Benzyl chloride	1.067	0.775	0.829	0.634	0.584	0.639	0.686	1.231	1.240	1.284	1.269	1.290	1.306	0.987	30.10
71)	TMP	1,3,5-Trimethy...			1.311	1.150	1.135	1.315	1.652	1.602	1.632	1.561	1.570	1.572	1.450	13.90
72)	TMP	1,2,4-Trimethy...			0.899	0.841	0.923	1.085	1.360	1.391	1.459	1.462	1.492	1.563	1.247	22.36
73)	TMP	1,3-Dichlorobe...		0.942	0.893	0.910	0.954	0.935	1.102	1.091	1.110	1.064	1.067	1.063	1.012	8.32
74)	TMP	1,4-Dichlorobe...	1.116	0.868	0.798	0.799	0.810	0.874	1.008	1.012	1.035	1.005	1.011	1.024	0.947	11.56
75)	TMP	1,2-Dichlorobe...		0.966	0.919	0.926	0.944	1.031	1.113	1.084	1.106	1.057	1.060	1.060	1.024	7.07
76)	TMP	1,2,4-Trichlor...			0.380	0.454	0.350	0.413	0.545	0.692	0.772	0.812	0.888	0.951	0.626	35.84
77)	TMP	Naphthalene	1.897	1.037	0.778	0.862	0.678	0.661	0.718	0.987	1.158	1.401	1.571	1.833	1.132	39.25
78)	TMP	Hexachlorobuta...	1.241	1.153	1.016	0.998	0.993	0.953	1.067	1.049	1.062	1.008	0.998	0.998	1.045	7.69

(#) = Out of Range

Calibration Status Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.01	-1	10	D:\Proc_GCMS7\11-15-22\111516.D
2	0.02	0	10	D:\Proc_GCMS7\11-15-22\111517.D
3	0.05	0	10	D:\Proc_GCMS7\11-15-22\111518.D
4	0.1	0	10	D:\Proc_GCMS7\11-15-22\111519.D
5	0.2	0	10	D:\Proc_GCMS7\11-15-22\111520.D
6	0.5	1	10	D:\Proc_GCMS7\11-15-22\111521.D
7	1	1	10	D:\Proc_GCMS7\11-15-22\111522.D
8	2.5	3	10	D:\Proc_GCMS7\11-15-22\111523.D
9	4	4	10	D:\Proc_GCMS7\11-15-22\111524.D
10	5	5	10	D:\Proc_GCMS7\11-15-22\111525.D
11	8	8	10	D:\Proc_GCMS7\11-15-22\111526.D
12	10	10	10	D:\Proc_GCMS7\11-15-22\111527.D
13	15	15	10	D:\Proc_GCMS7\11-15-22\111528.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.01	Nov 16 12:19 2022	Nov 16 12:16 2022	16 Nov 2022 3:43 am
2	0.02	Nov 16 12:19 2022	Nov 16 12:15 2022	16 Nov 2022 4:27 am
3	0.05	Nov 16 12:19 2022	Nov 16 12:14 2022	16 Nov 2022 5:11 am
4	0.1	Nov 16 12:19 2022	Nov 16 11:55 2022	16 Nov 2022 5:54 am
5	0.2	Nov 16 12:19 2022	Nov 16 12:00 2022	16 Nov 2022 6:29 am
6	0.5	Nov 16 12:19 2022	Nov 16 11:57 2022	16 Nov 2022 7:07 am
7	1	Nov 16 12:19 2022	Nov 16 12:02 2022	16 Nov 2022 7:51 am
8	2.5	Nov 16 12:19 2022	Nov 16 12:03 2022	16 Nov 2022 8:25 am
9	4	Nov 16 12:19 2022	Nov 16 12:05 2022	16 Nov 2022 9:00 am
10	5	Nov 16 12:19 2022	Nov 16 12:06 2022	16 Nov 2022 9:34 am
11	8	Nov 16 12:19 2022	Nov 16 12:07 2022	16 Nov 2022 10:10 am
12	10	Nov 16 12:19 2022	Nov 16 12:08 2022	16 Nov 2022 10:46 am
13	15	Nov 16 12:19 2022	Nov 16 12:09 2022	16 Nov 2022 11:25 am

Compound List Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 1115TO15ss7.M
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response Via : Initial Calibration

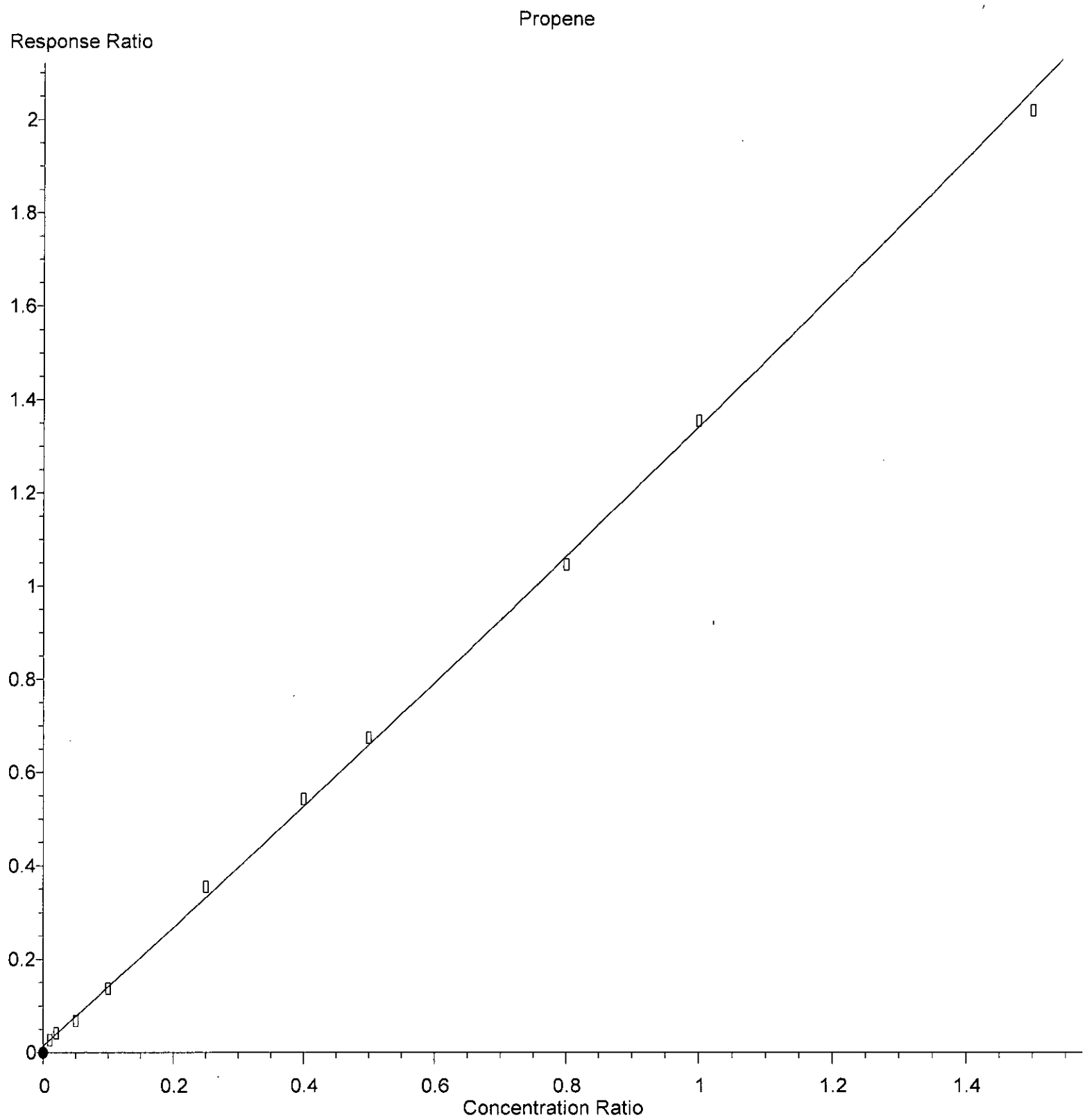
Total Cpnds : 78

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Bromochloromethane	128	9.88	1.000	A	2	A	B
2	T	Propene	41	3.41	0.345	Q	2	A	B
3	T	Dichlorodifluoromethane	85	3.48	0.353	A	1	A	B
4	T	Chloromethane	-50	3.73	0.377	A	1	A	B
5	T	F-114	85	3.88	0.393	A	2	A	B
6	T	Vinyl chloride	-62	4.09	0.414	A	1	A	B
7	T	1,3-Butadiene	-54	4.29	0.434	A	3	A	B
8	T	Butane	43	4.32	0.437	A	1	A	B
9	T	Bromomethane	94	4.60	0.465	A	1	A	B
10	T	Chloroethane	-64	4.84	0.490	A	1	A	B
11	T	Vinyl bromide	-106	5.32	0.538	A	1	A	B
12	T	Ethanol	45	4.96	0.501	A	1	A	B
13	T	Acrolein	-56	5.42	0.548	A	1	A	B
14	T	Pentane	43	6.25	0.633	A	2	A	B
15	T	Trichlorofluoromethane	101	5.84	0.591	A	1	A	B
16	T	Acetone	58	5.57	0.563	A	1	A	B
17	T	2-Propanol	45	5.78	0.585	A	2	A	B
18	T	1,1-Dichloroethene	-96	6.63	0.671	A	2	A	B
19	T	trans-1,2-Dichloroethene	-96	8.10	0.819	A	2	A	B
20	T	Methylene chloride	84	6.80	0.689	A	2	A	B
21	T	t-Butyl alcohol (TBA)	59	6.57	0.665	A	1	A	B
22	T	3-Chloropropene	41	6.94	0.702	A	1	A	B
23	T	CFC-113	101	7.15	0.723	A	2	A	B
24	T	Carbon disulfide	76	7.28	0.736	A	2	A	B
25	T	Methyl t-butyl ether (MTBE)	73	8.43	0.853	A	1	A	B
26	T	Vinyl acetate	43	8.54	0.864	A	1	A	B
27	T	1,1-Dichloroethane	-63	8.36	0.846	A	2	A	B
28	T	cis-1,2-Dichloroethene	-96	9.64	0.975	A	2	A	B
29	T	Hexane	57	10.01	1.013	A	2	A	B
30	T	Chloroform	-83	10.10	1.022	Q	1	A	B
31	T	Ethyl acetate	43	9.92	1.004	A	1	A	B
32	T	Tetrahydrofuran	42	10.75	1.088	A	1	A	B
33	T	2-Butanone (MEK)	72	8.91	0.901	A	3	A	B
34	T	1,2-Dichloroethane (EDC)	-62	11.34	1.147	Q	1	A	B
35	T	1,1,1-Trichloroethane	-97	11.82	1.197	A	2	A	B
36	T	Carbon tetrachloride	-117	12.86	1.302	A	1	A	B
37	T	Benzene	-78	12.61	1.276	Q	1	A	B
38	T	Cyclohexane	84	13.07	1.323	A	2	A	B
39	I	1,4-Difluorobenzene	114	13.14	1.000	A	2	A	B
40	T	1,2-Dichloropropane	-63	13.80	1.050	A	1	A	B
41	T	1,4-Dioxane	-88	14.09	1.072	A	1	A	B
42	T	2,2,4-Trimethylpentane	57	14.24	1.083	A	2	A	B
43	T	Methyl methacrylate	41	14.36	1.093	A	2	A	B
44	T	Heptane	43	14.56	1.108	A	3	A	B
45	T	Bromodichloromethane	-83	14.04	1.069	A	2	A	B
46	T	Trichloroethene	-95	14.14	1.076	A	3	A	B
47	T	cis-1,3-Dichloropropene	75	15.20	1.157	A	2	A	B
48	T	4-Methyl-2-pentanone	100	15.23	1.158	A	3	A	B
49	T	trans-1,3-Dichloropropene	-75	15.78	1.201	A	2	A	B
50	T	Toluene	-92	16.31	1.241	A	1	A	B
51	T	1,1,2-Trichloroethane	-83	16.00	1.217	Q	2	A	B
52	T	2-Hexanone	43	16.56	1.260	A	3	A	B
53	T	Tetrachloroethene	-164	17.52	1.333	A	3	A	B
54	T	Dibromochloromethane	-129	16.76	1.275	A	2	A	B
55	T	1,2-Dibromoethane (EDB)	-107	17.04	1.297	Q	2	A	B

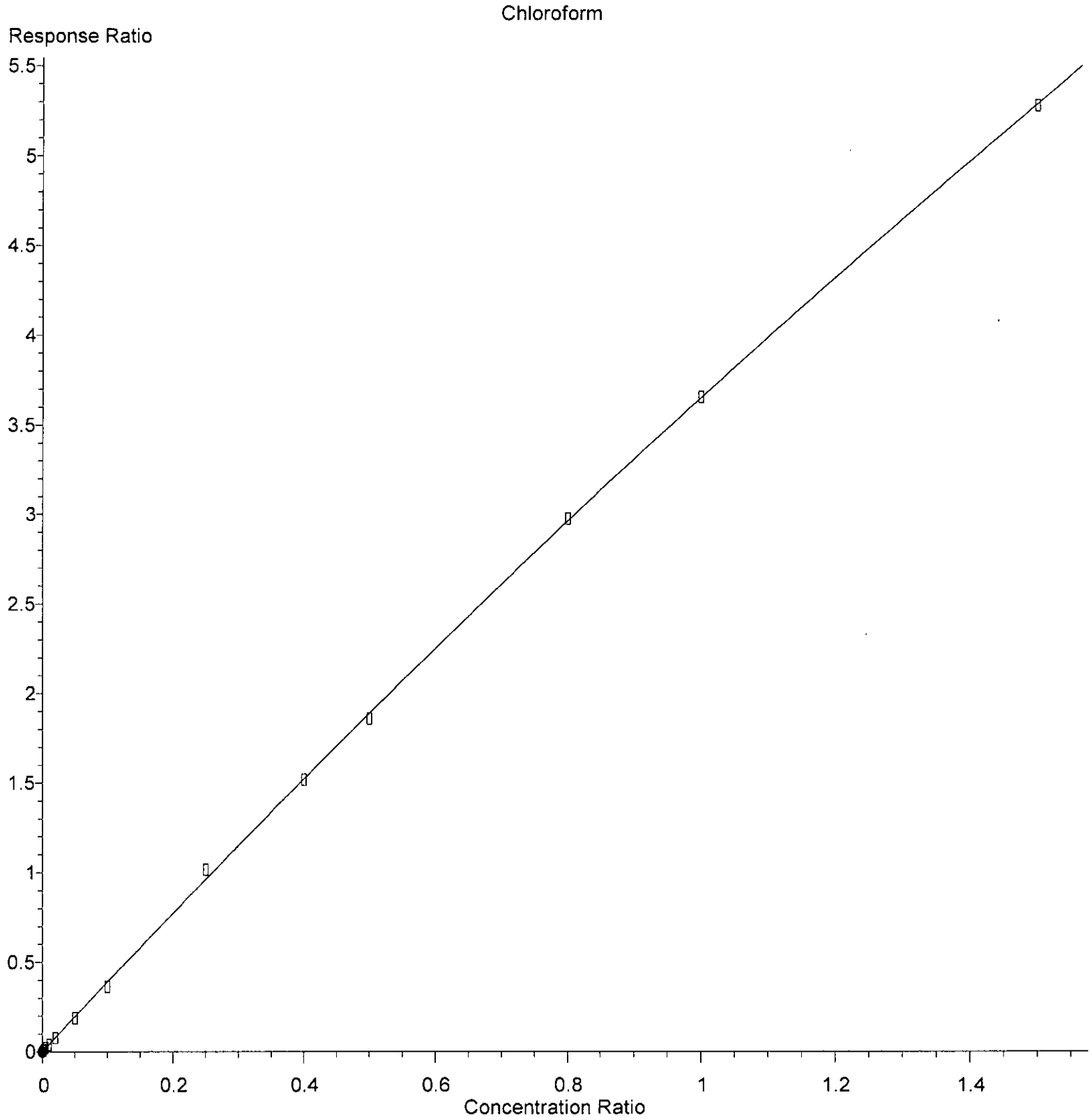
56	I		Chlorobenzene-d5	117	18.13	1.000	A	2	A	B
57		T	Chlorobenzene	112	18.19	1.003	A	2	A	B
58		T	Ethylbenzene	-91	18.53	1.022	Q	1	A	B
59		T	1,1,2,2-Tetrachloroethane	-83	19.13	1.055	Q	2	A	B
60		T	Nonane	43	19.30	1.065	A	3	A	B
61		T	Isopropylbenzene	105	19.70	1.086	A	1	A	B
62		T	2-Chlorotoluene	126	20.17	1.113	A	1	A	B
63		T	Propylbenzene	91	20.19	1.113	A	1	A	B
64		T	4-Ethyltoluene	105	20.32	1.121	A	1	A	B
65		T	m,p-Xylene	-106	18.70	1.032	A	1	A	B
66		T	o-Xylene	-106	19.15	1.056	A	1	A	B
67		T	Styrene	104	19.05	1.051	A	1	A	B
68		T	Bromoform	173	18.80	1.037	A	2	A	B
69	S		4-Bromofluorobenzene	95	19.58	1.080	A	2	A	B
70		T	Benzyl chloride	-91	20.95	1.155	QO	1	A	B
71		T	1,3,5-Trimethylbenzene	105	20.39	1.125	A	1	A	B
72		T	1,2,4-Trimethylbenzene	105	20.80	1.147	Q	1	A	B
73		T	1,3-Dichlorobenzene	-146	20.98	1.157	A	2	A	B
74		T	1,4-Dichlorobenzene	-146	21.05	1.161	A	2	A	B
75		T	1,2-Dichlorobenzene	-146	21.41	1.181	A	2	A	B
76		T	1,2,4-Trichlorobenzene	180	23.64	1.304	QO	2	A	B
77		T	Naphthalene	-128	23.84	1.315	Q	2	A	B
78		T	Hexachlorobutadiene	-225	24.44	1.348	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

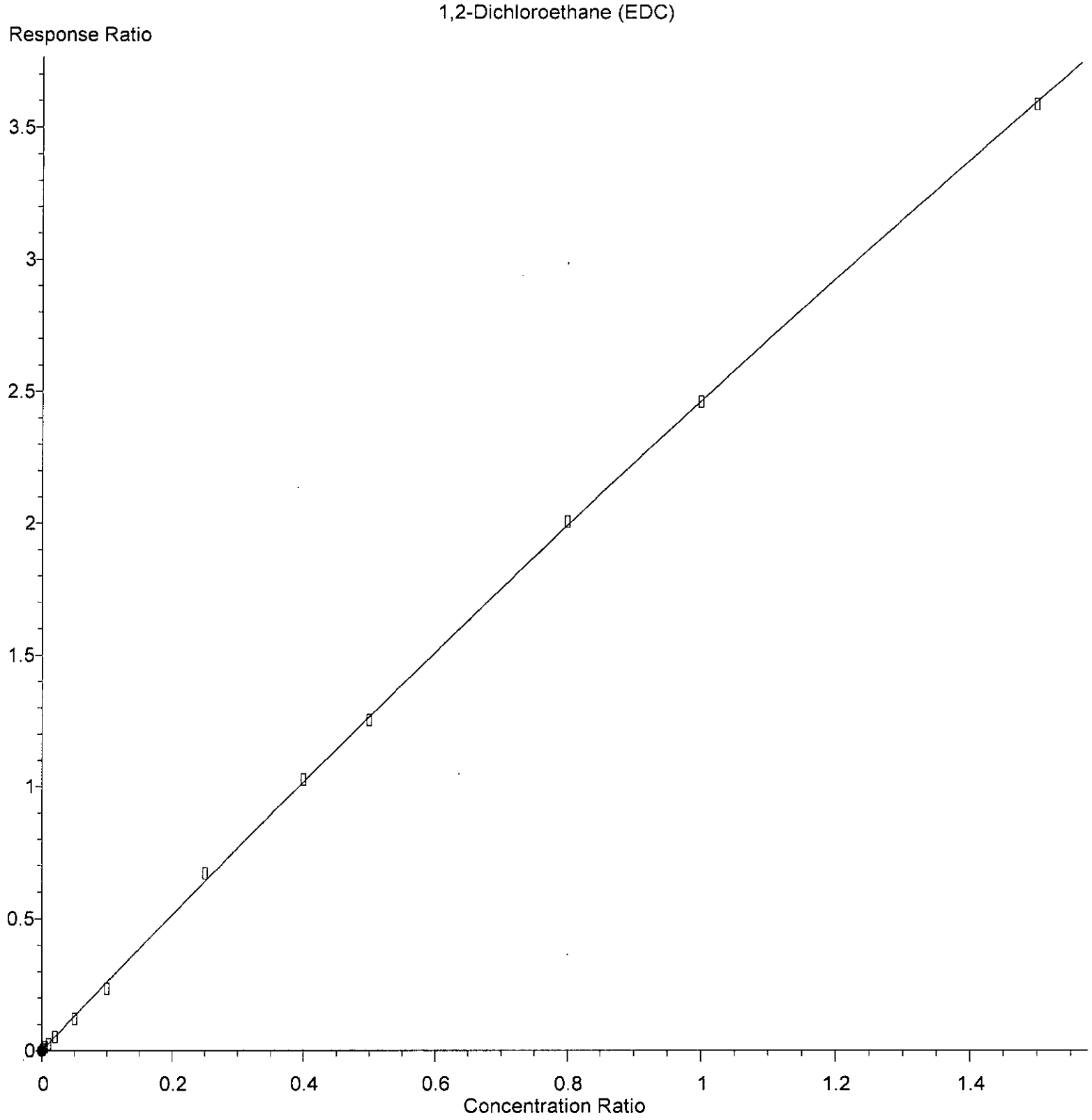
1115TO15ss7.M Fri Nov 18 12:37:44 2022



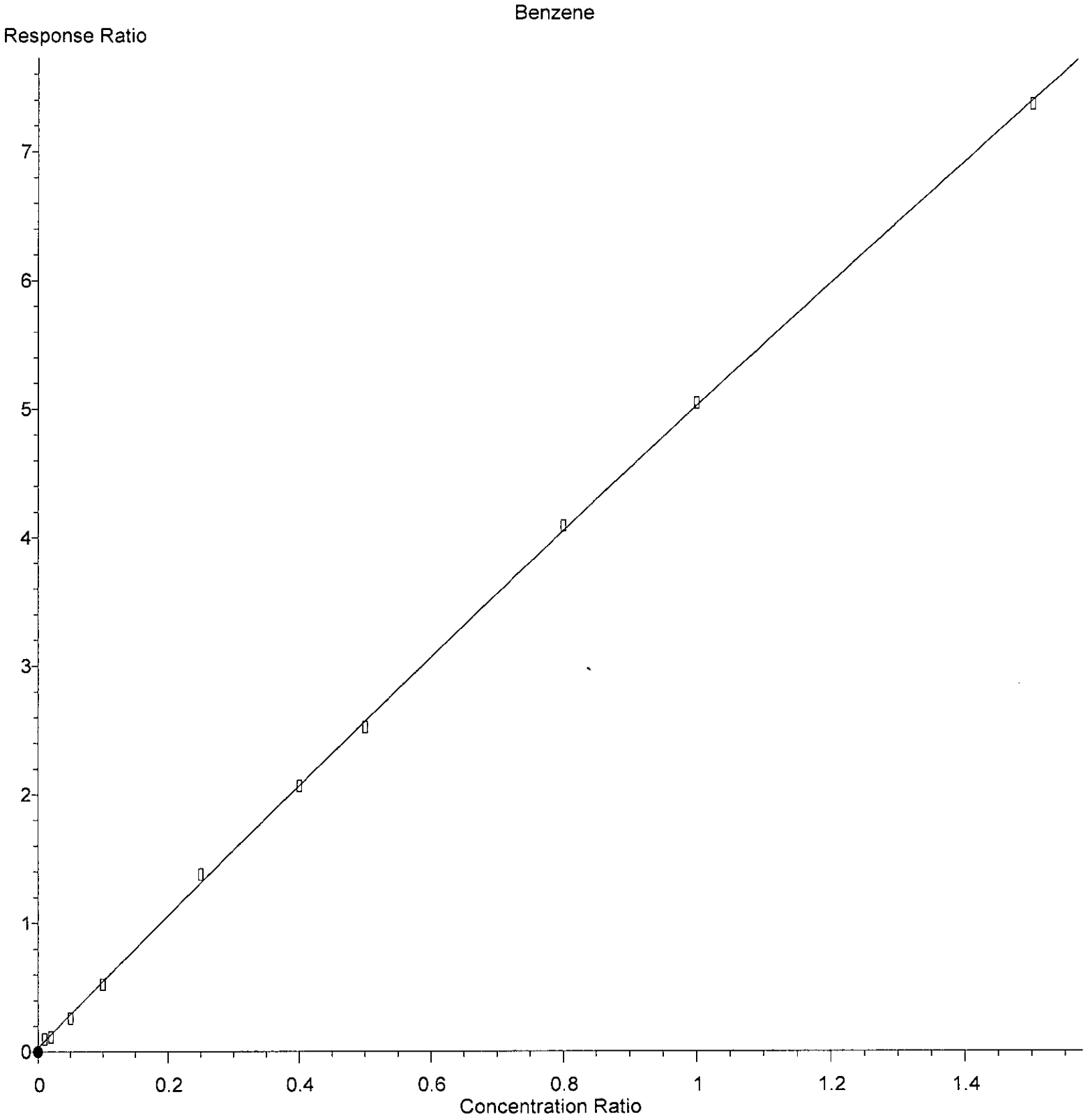
R = 7.642e-002 A*A + 1.250e+000 A + 1.410e-002
Coef of Det (r^2) = 0.995306 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



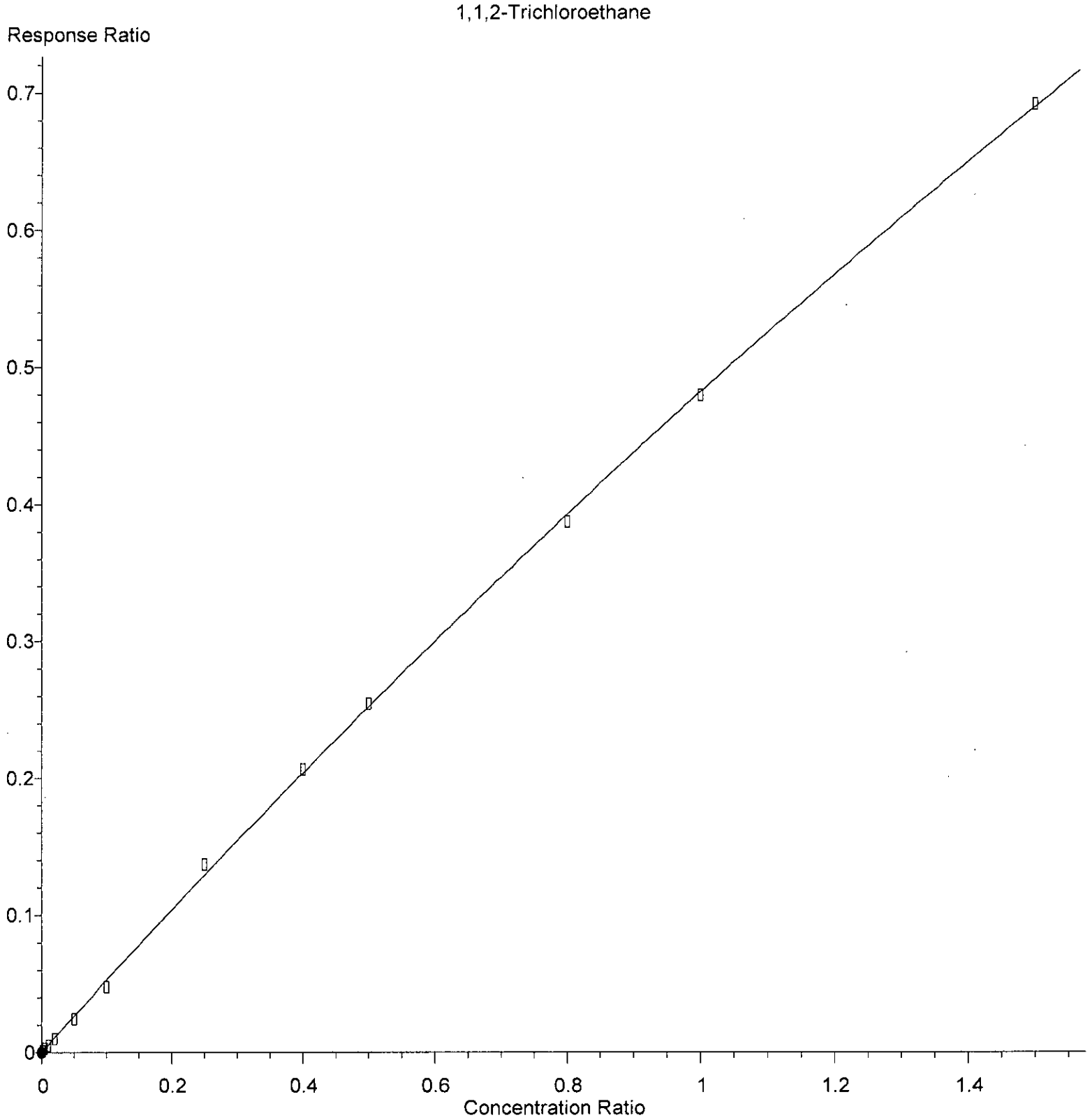
R = -2.518e-001 A*A + 3.901e+000 A + 1.712e-003
Coef of Det (r^2) = 0.999617 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



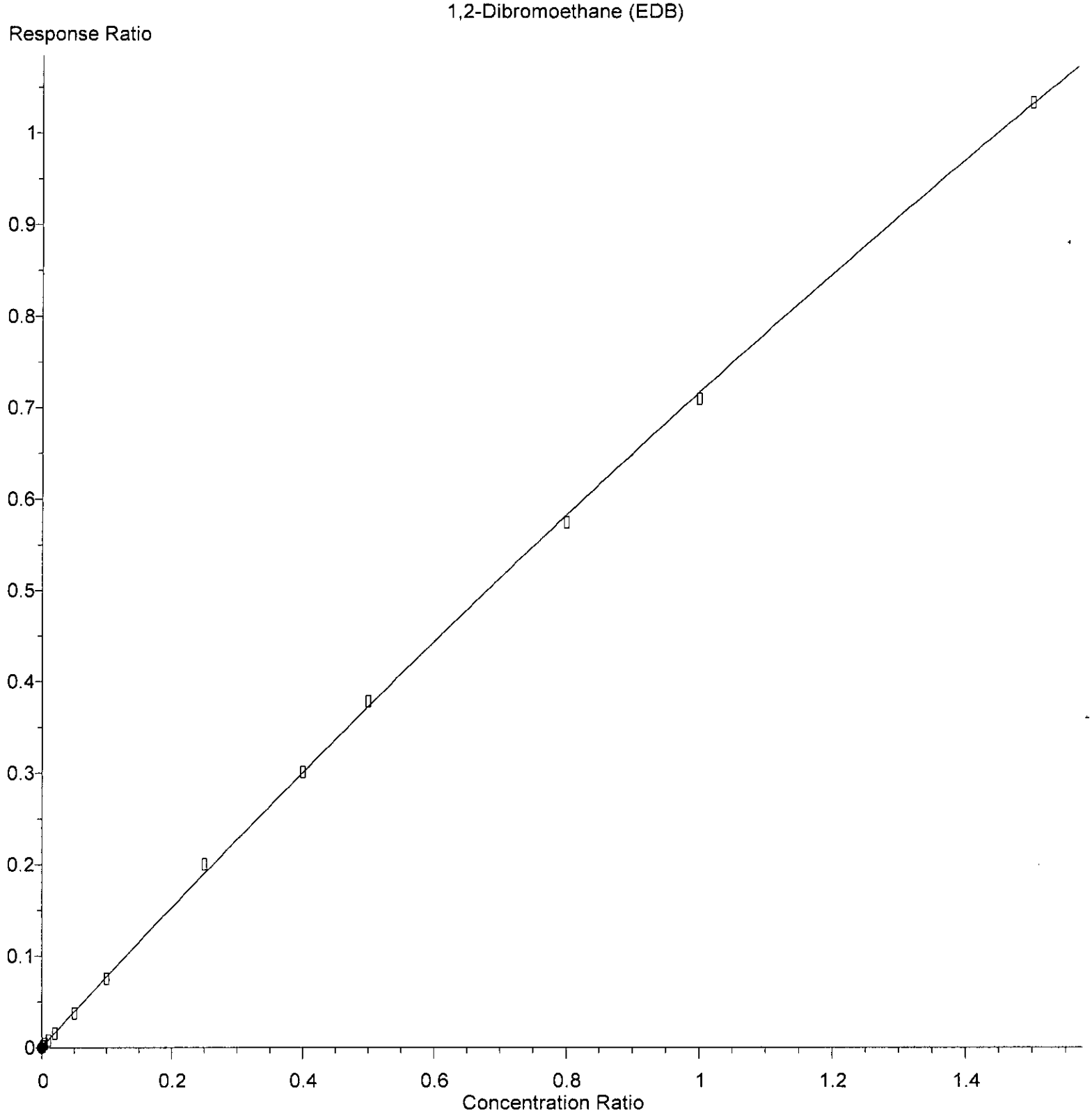
R = -1.295e-001 A*A + 2.591e+000 A + 9.788e-004
Coef of Det (r^2) = 0.999541 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



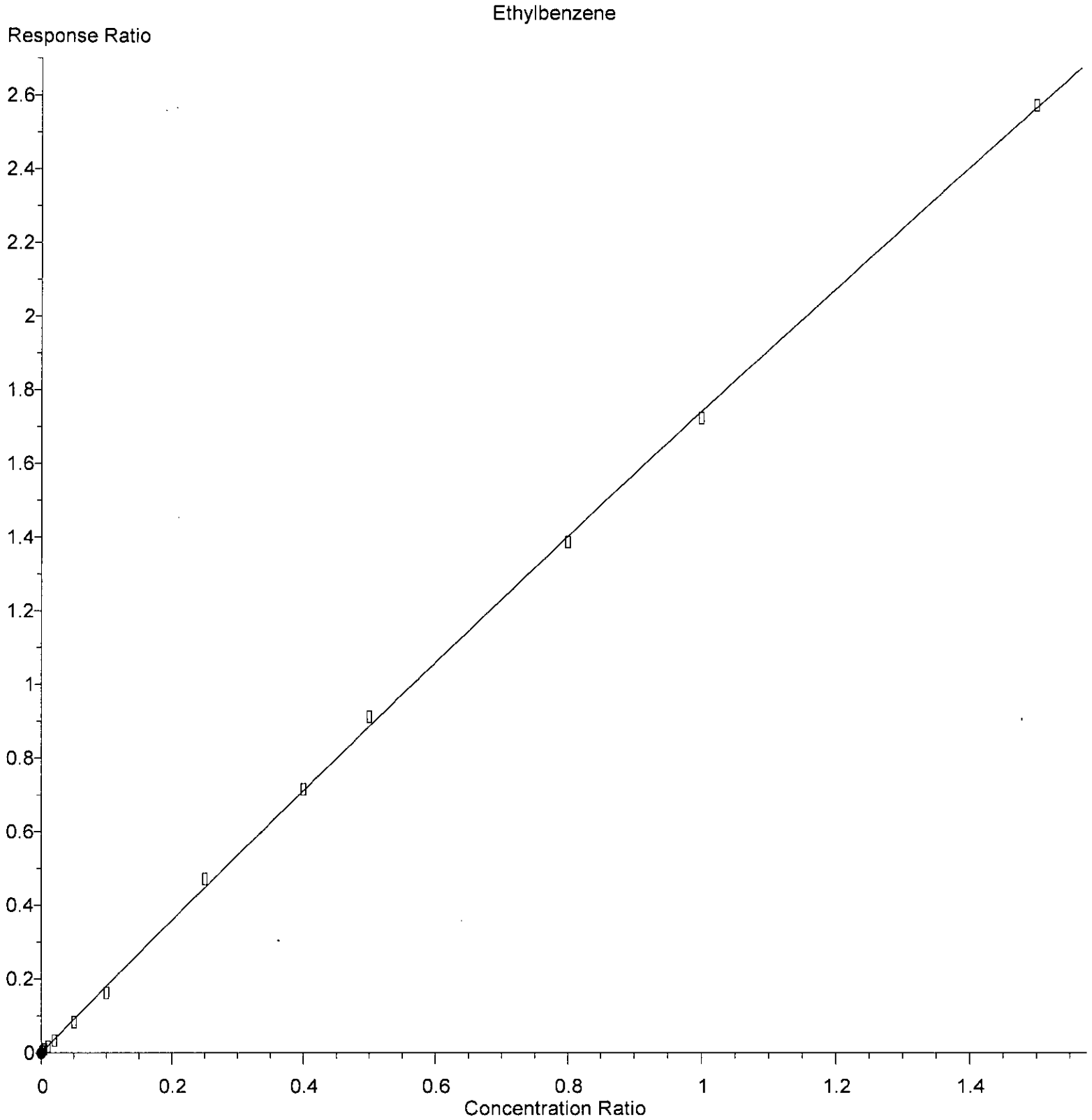
R = -1.651e-001 A*A + 5.153e+000 A + 3.193e-002
Coef of Det (r^2) = 0.999101 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



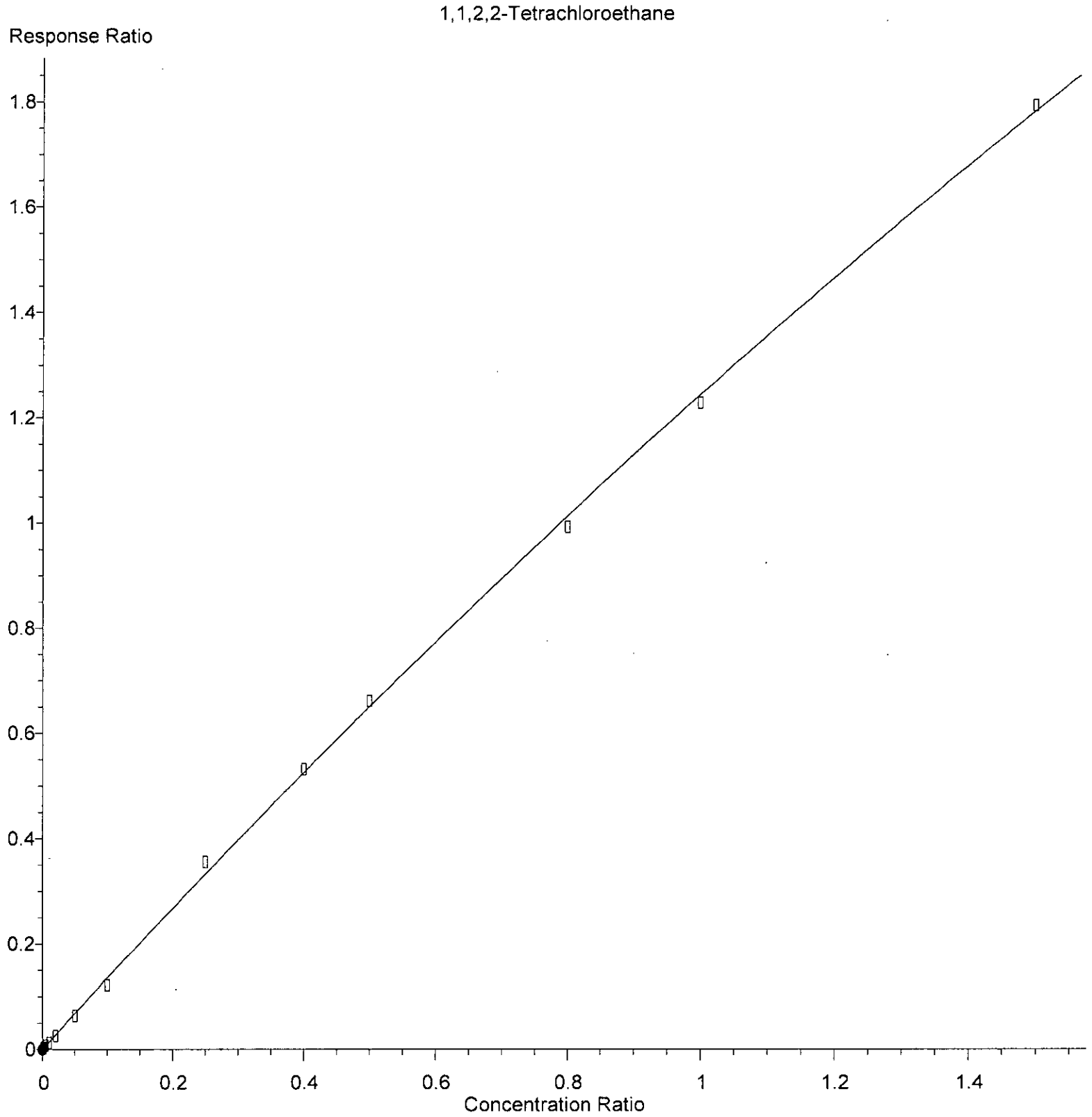
R = -4.431e-002 A*A + 5.260e-001 A + 2.710e-004
Coef of Det (r^2) = 0.999386 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



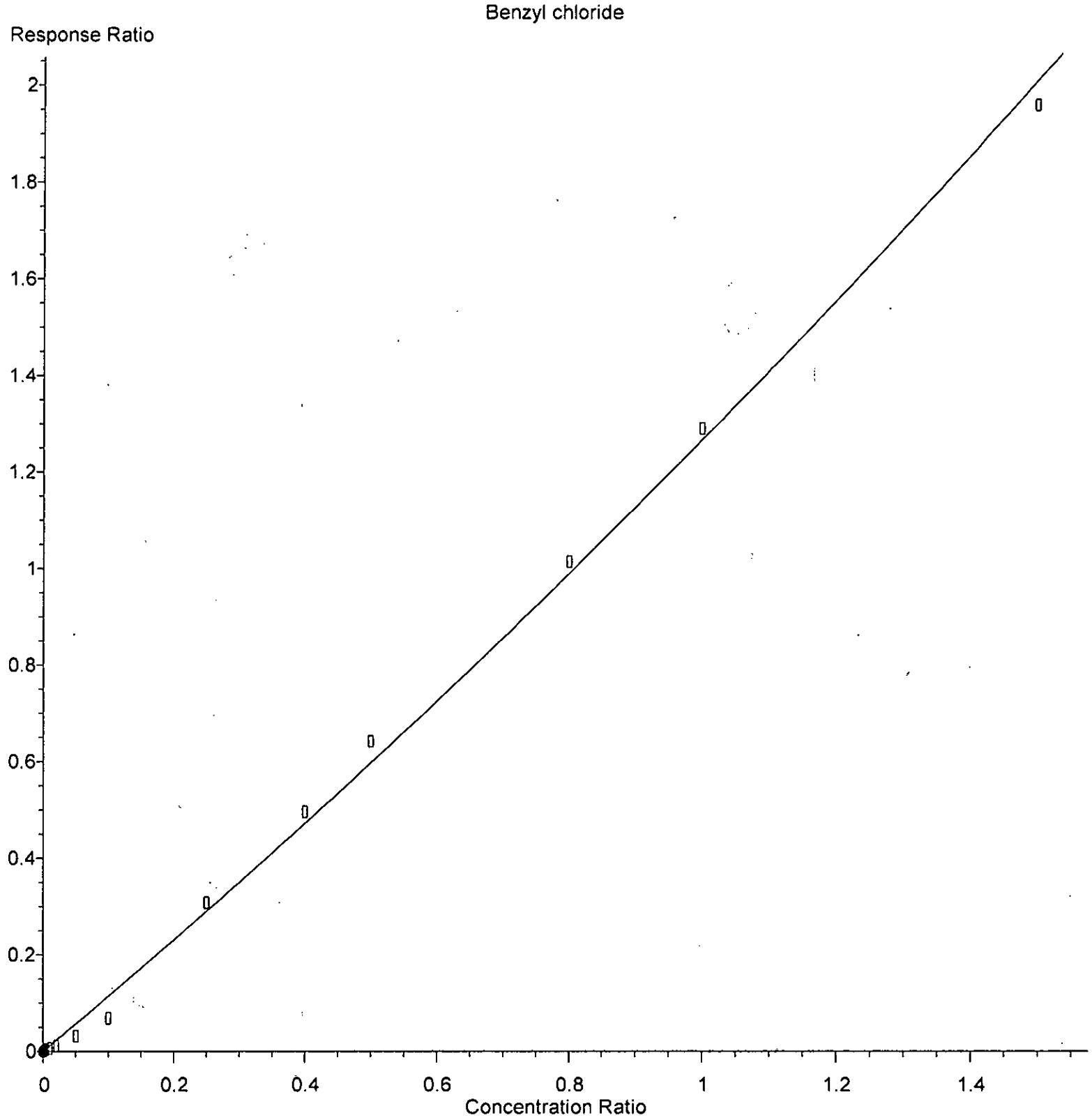
R = -5.679e-002 A*A + 7.728e-001 A + 4.918e-004
Coef of Det (r^2) = 0.998482 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



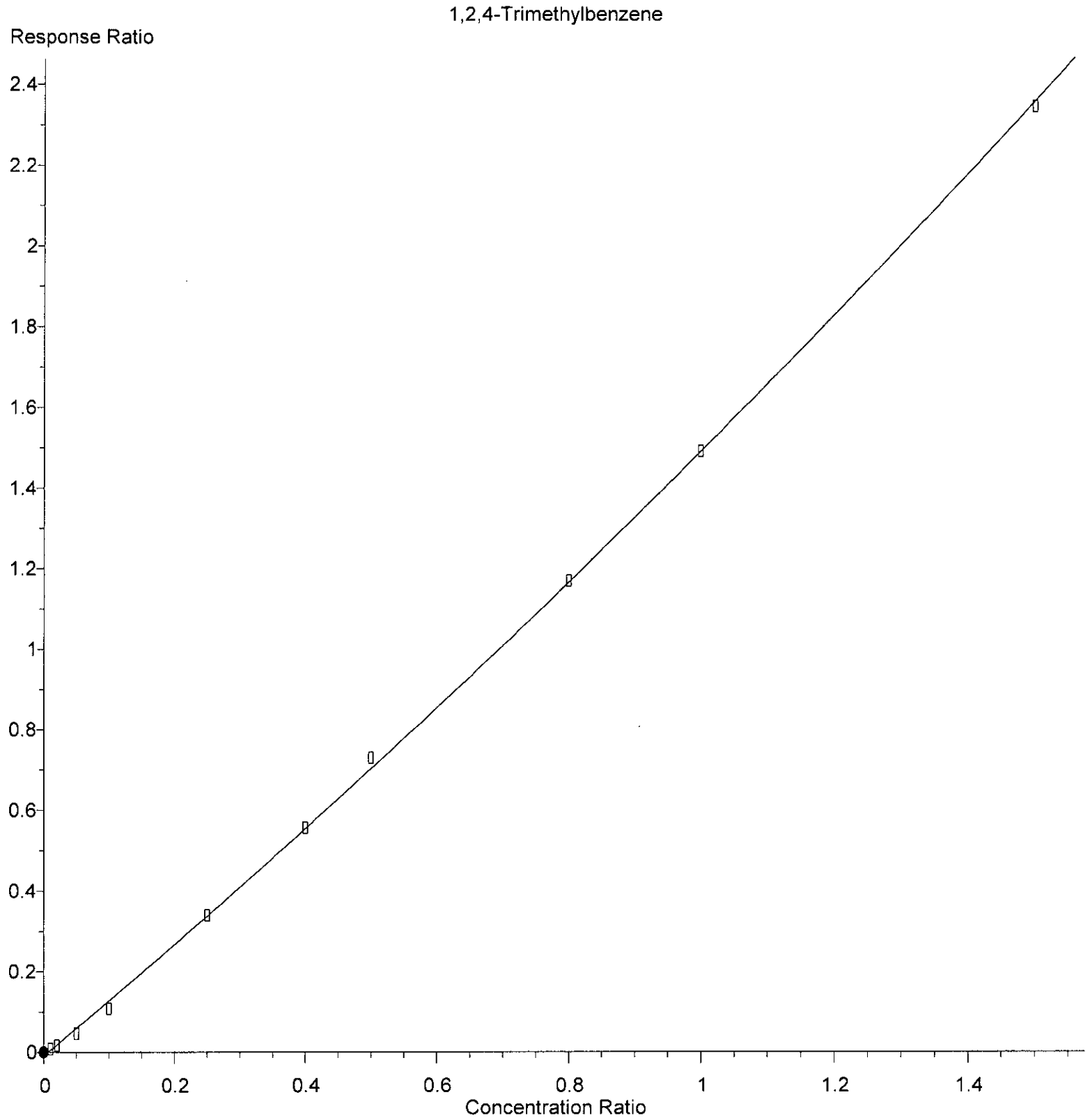
R = -5.879e-002 A*A + 1.797e+000 A + 1.320e-003
Coef of Det (r^2) = 0.999290 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



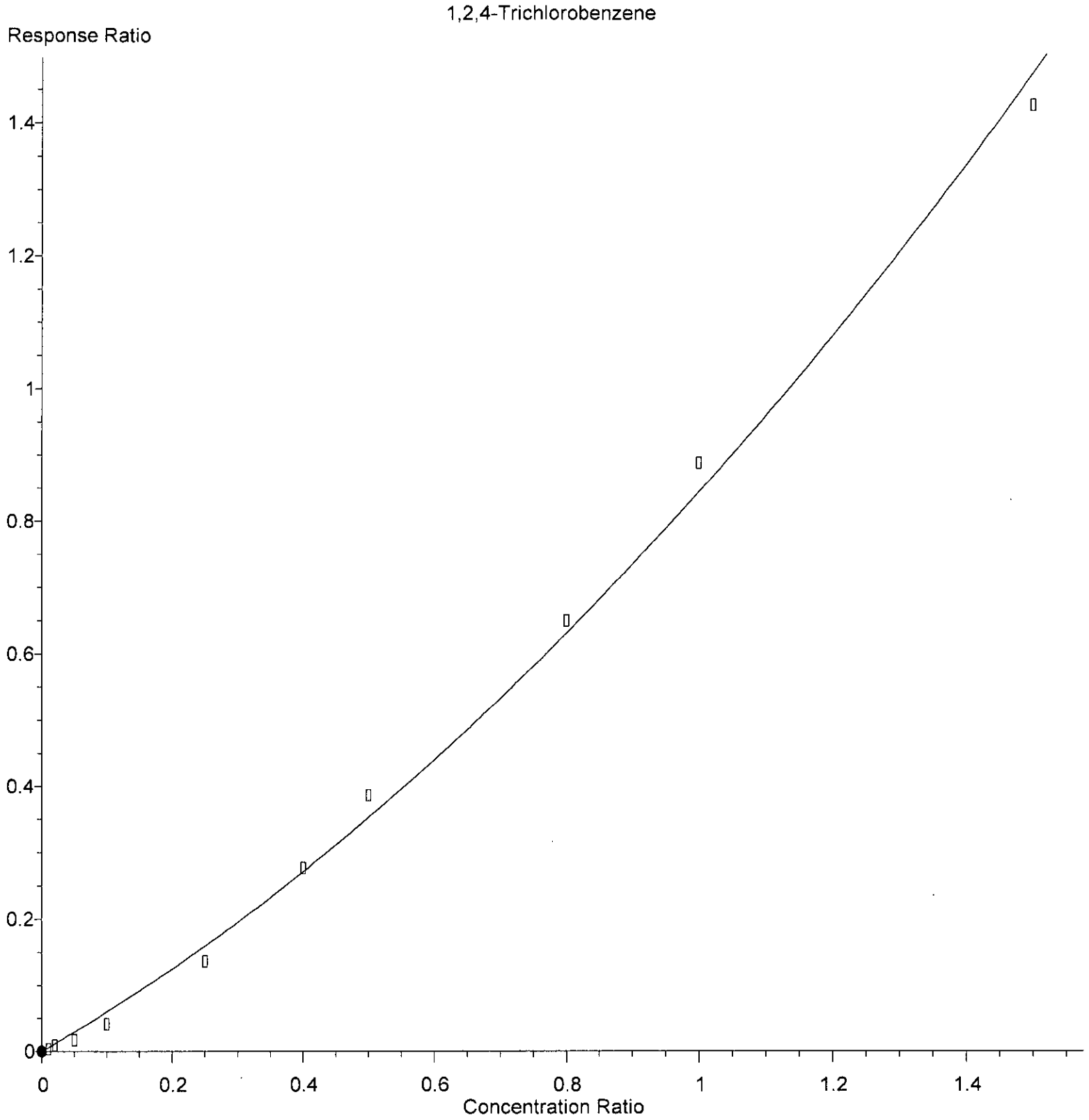
R = -1.123e-001 A*A + 1.355e+000 A + 5.401e-004
Coef of Det (r^2) = 0.999169 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



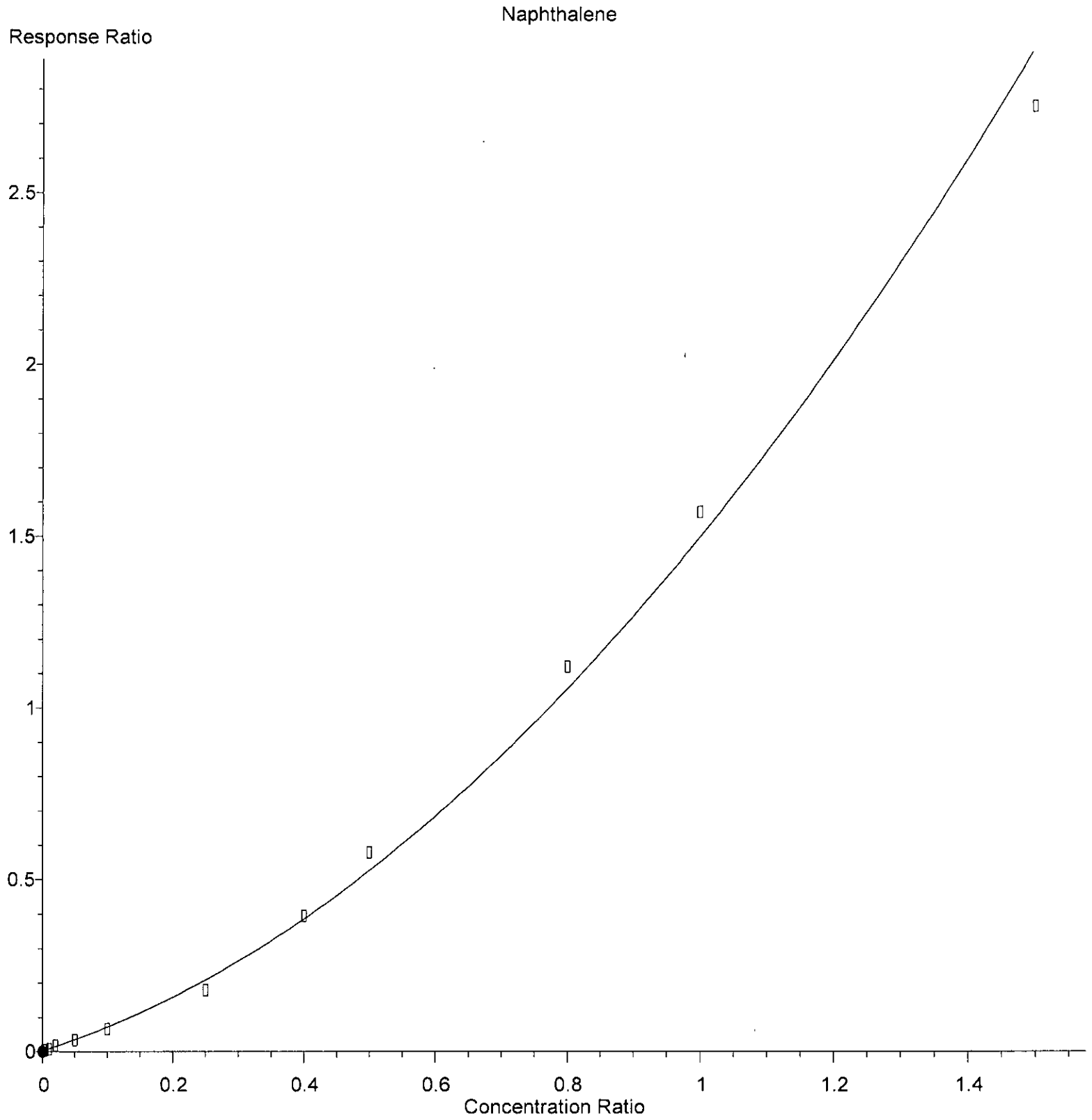
R = 1.461e-001 A*A + 1.120e+000 A + 0.000e+000
Coef of Det (r^2) = 0.993475 Curve Fit: Quad w(1/a)/(0,0)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



R = 1.565e-001 A*A + 1.342e+000 A - 8.726e-003
Coef of Det (r^2) = 0.998884 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022



R = 2.779e-001 A*A + 5.657e-001 A + 0.000e+000
Coef of Det (r^2) = 0.996017 Curve Fit: Quad w(1/a)/(0,0)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022

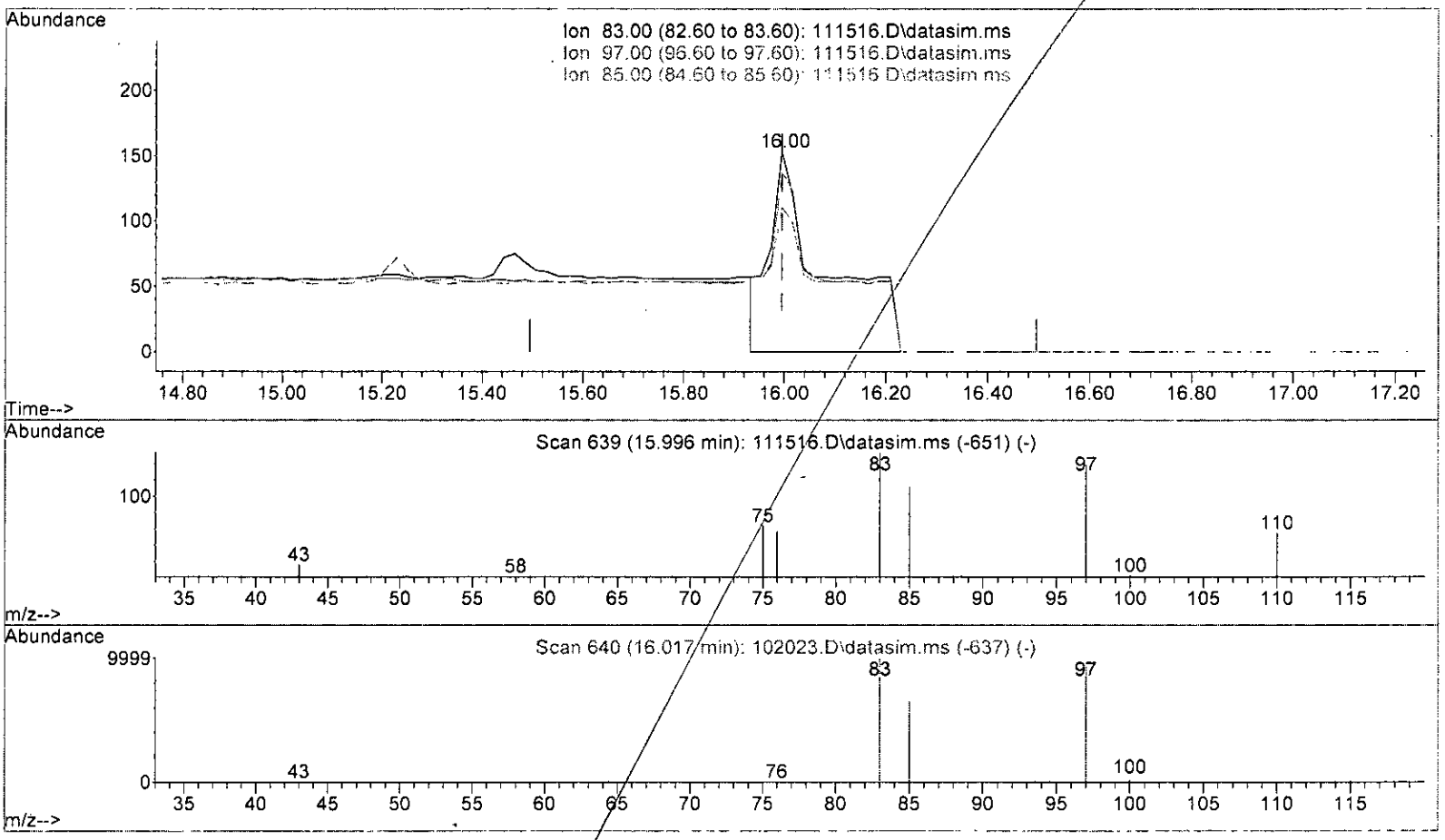


R = 8.986e-001 A*A + 5.966e-001 A + 2.531e-003
Coef of Det (r^2) = 0.993302 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\1115TO15ss7.M
Calibration Table Last Updated: Fri Nov 18 12:30:32 2022

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111516.D\data.ms

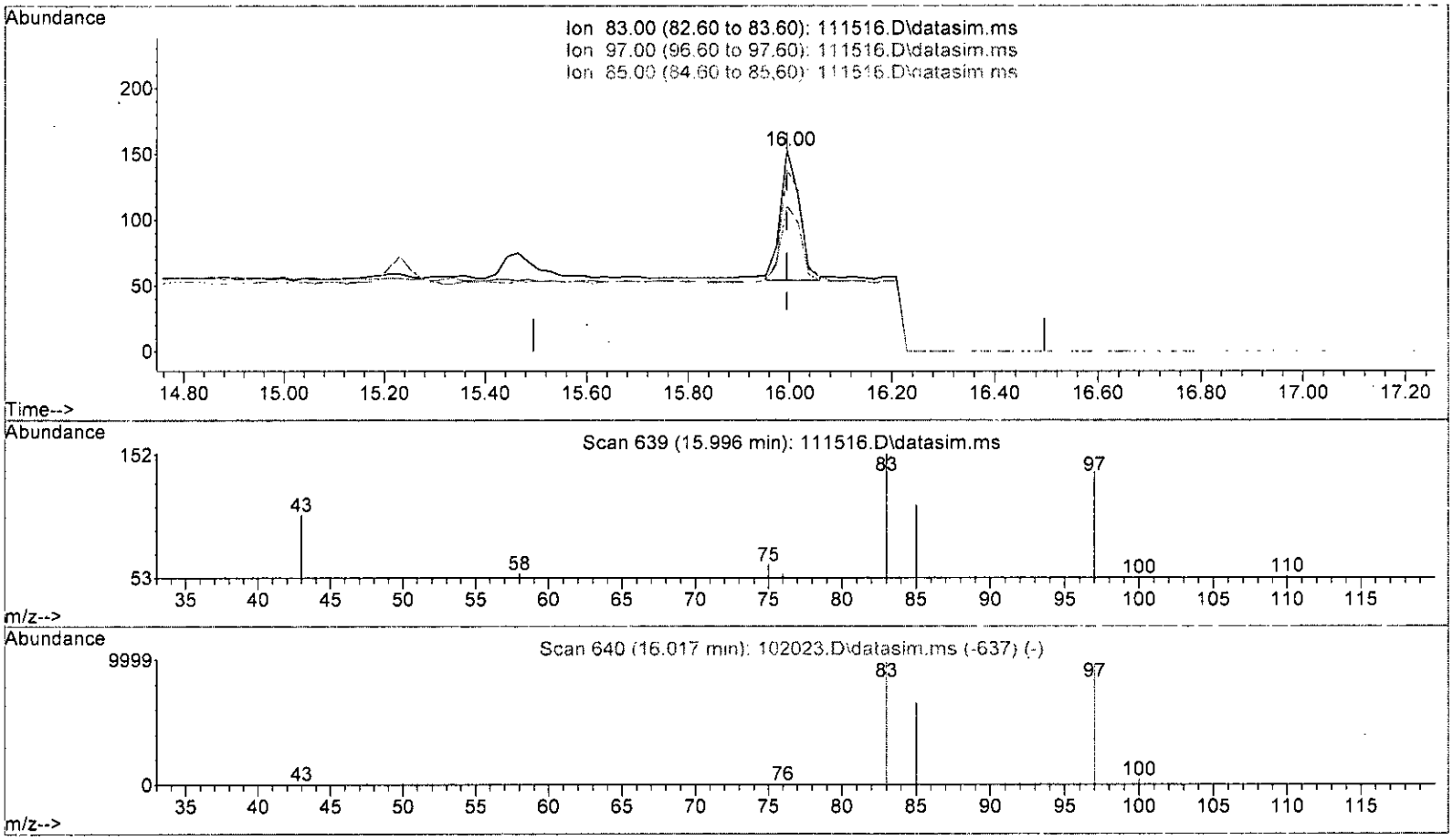
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.075 ppbv
response 1204

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.20
85.00	60.50	72.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111516.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.012 ppbv m

response 257

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.20
85.00	60.50	72.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63553	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	284548	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.15	117	252181	10.000	ppbv	0.02
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	158274	9.056	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.60%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.	d	
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.	d	
19) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.	d	
28) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	384	0.011	ppbv	88
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34] 1,2-Dichloroethane (EDC)	11.34	62	260	0.012	ppbv	97
35) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

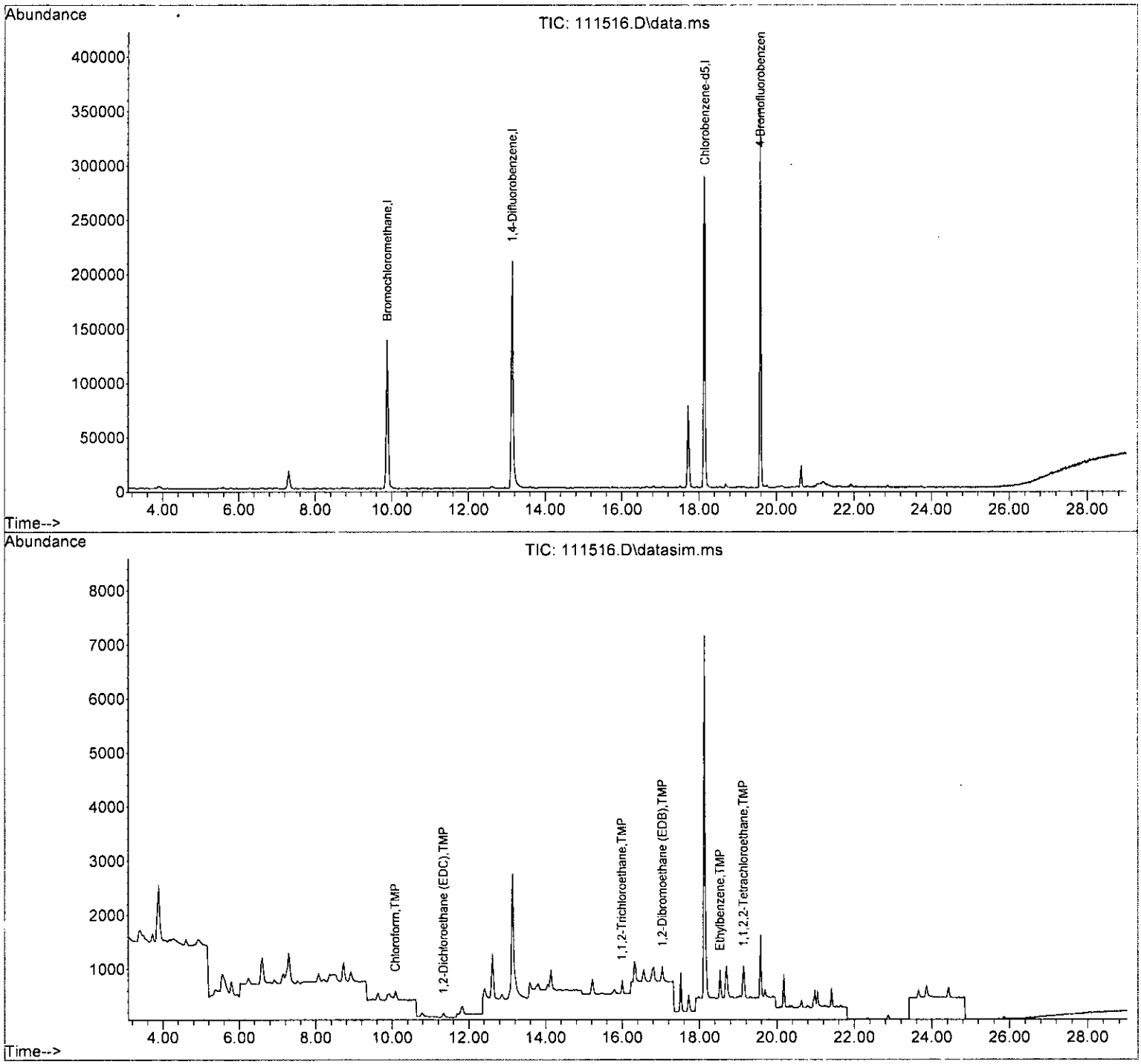
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	d	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46) Trichloroethene	0.00		0	N.D.	d	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51] 1,1,2-Trichloroethane	16.00	83	257m	0.012	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	361	0.010	ppbv	98
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	894	0.012	ppbv	97
59] 1,1,2,2-Tetrachloroethane	19.13	83	547	0.012	ppbv	94
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	20.95	91	269	N.D.		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.88#
6	TMP	Vinyl chloride	-1.000	0.000	0.0	0	-4.09#
7	TMP	1,3-Butadiene	-1.000	0.000	0.0	0	-4.29#
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	-1.000	0.000	0.0	0	-5.32#
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	-1.000	0.000	0.0	0	-5.42#
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	-1.000	0.000	0.0	0	-6.63#
19	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-8.10#
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	-1.000	0.000	0.0	0	-7.15#
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-8.36#
28	TMP	cis-1,2-Dichloroethene	-1.000	0.000	0.0	0	-9.64#
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.010	0.011	-10.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.010	0.012	-20.0	100	0.00
35	TMP	1,1,1-Trichloroethane	-1.000	0.000	0.0	0	-11.82#
36	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-12.86#
37	TMP	Benzene	-1.000	0.000	0.0	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.010	0.000	100.0#	0	-13.80#
41	TMP	1,4-Dioxane	-1.000	0.000	0.0	0	-14.09#
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.010	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.010	0.000	100.0#	0	-14.14#
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.78#
50	TMP	Toluene	-1.000	0.000	0.0	0	-16.31#
51	TMP	1,1,2-Trichloroethane	0.010	0.012	-20.0	101	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.010	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.010	0.010	0.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.02
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.010	0.012	-20.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.010	0.012	-20.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	-1.000	0.000	0.0	0	-18.70#
66	TMP	o-Xylene	-1.000	0.000	0.0	0	-19.15#
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.056	9.4	100	0.00
70	TMP	Benzyl chloride	0.010	0.010	0.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.98#
74	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-21.05#
75	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-21.41#
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	-1.000	0.000	0.0	0	-23.84#
78	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-24.44#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	0.000	100.0#	0#	-3.88#
6	TMP	Vinyl chloride	1.851	0.000#	100.0#	0#	-4.09#
7	TMP	1,3-Butadiene	1.216	0.000	100.0#	0#	-4.29#
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	0.000	100.0#	0#	-5.32#
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.000	100.0#	0#	-5.42#
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	0.000#	100.0#	0#	-6.63#
19	TMP	trans-1,2-Dichloroethene	1.598	0.000	100.0#	0#	-8.10#
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	0.000	100.0#	0#	-7.15#
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	0.000#	100.0#	0#	-8.36#
28	TMP	cis-1,2-Dichloroethene	1.690	0.000#	100.0#	0#	-9.64#
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	6.042	-48.8#	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	4.091	-52.3#	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	0.000#	100.0#	0#	-11.82#
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.000	100.0#	0#	-13.80#
41	TMP	1,4-Dioxane	0.230	0.000	100.0#	0#	-14.09#
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111516.D
Acq On : 16 Nov 2022 3:43 am
Operator : bat
Sample : 0.01 ppbv 67-196e
Misc : T3, 125cc of 0.02ppbv
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:41:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

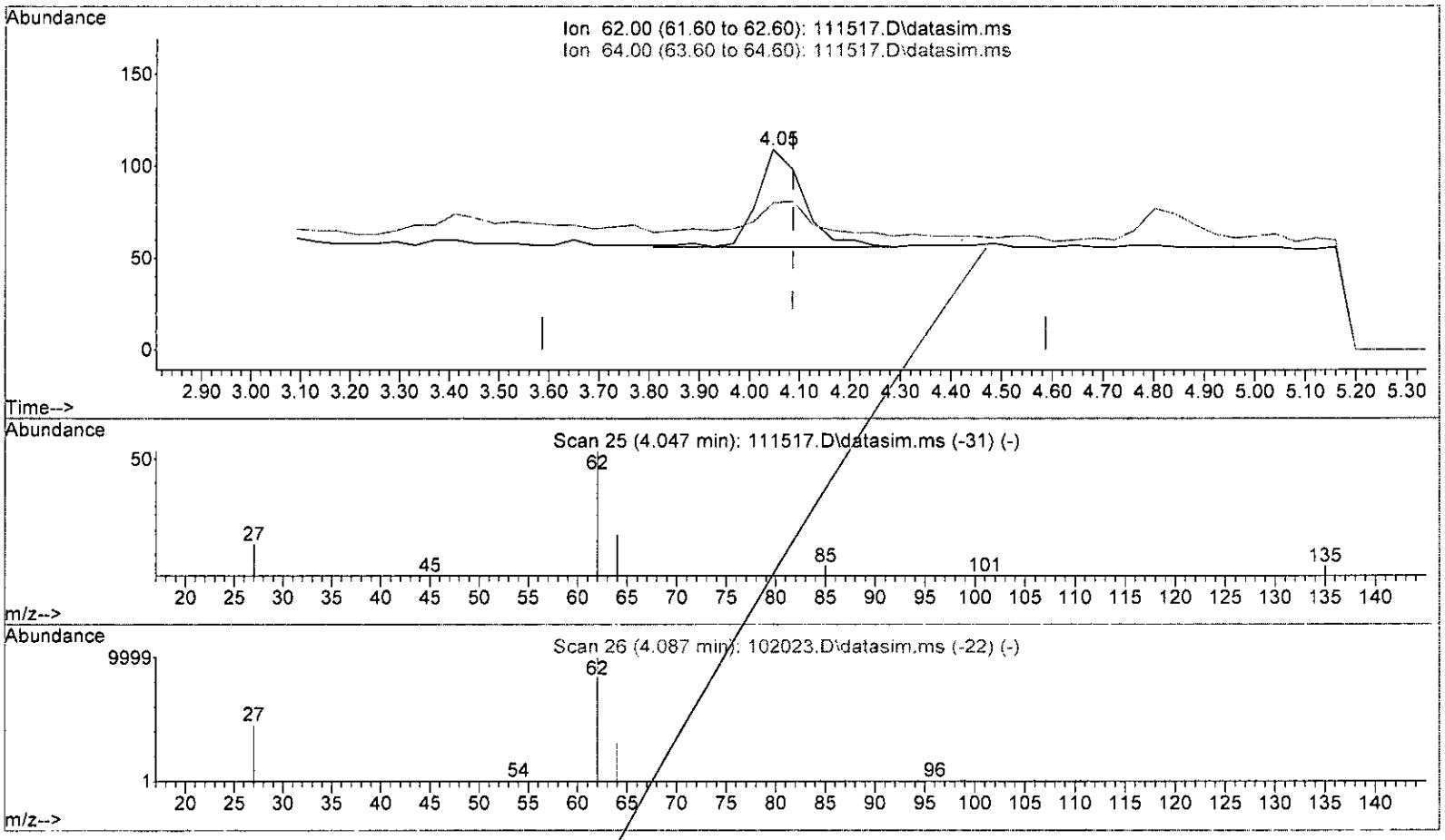
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.000	100.0#	0#	-14.14#
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.000	100.0#	0#	-15.78#
50	TMP	Toluene	0.707	0.000	100.0#	0#	-16.31#
51	TMP	1,1,2-Trichloroethane	0.550	0.903	-64.2#	101	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	1.269	-54.0#	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.02
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	3.545	-80.1#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	2.169	-55.6#	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.000#	100.0#	0#	-18.70#
66	TMP	o-Xylene	0.615	0.000#	100.0#	0#	-19.15#
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.628	9.4	100	0.00
70	TMP	Benzyl chloride	0.987	1.067	-8.1	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.000	100.0#	0#	-20.98#
74	TMP	1,4-Dichlorobenzene	0.947	0.000	100.0#	0#	-21.05#
75	TMP	1,2-Dichlorobenzene	1.024	0.000	100.0#	0#	-21.41#
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	0.000	100.0#	0#	-23.84#
78	TMP	Hexachlorobutadiene	1.045	0.000	100.0#	0#	-24.44#

(#) = Out of Range SPCC's out = 25 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (-0.040) 0.030 ppbv

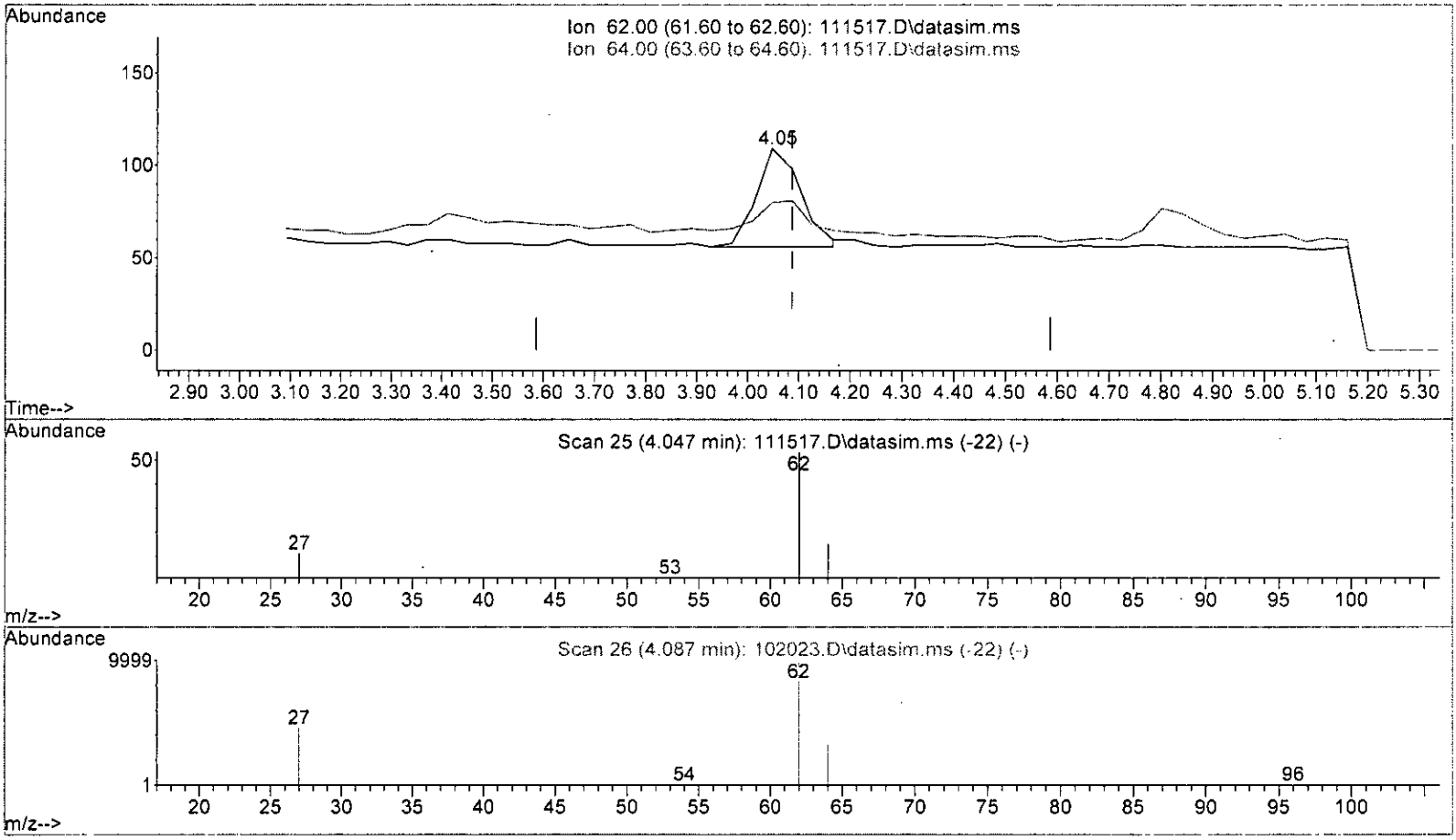
response 343

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	33.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (-0.040) 0.028 ppbv m

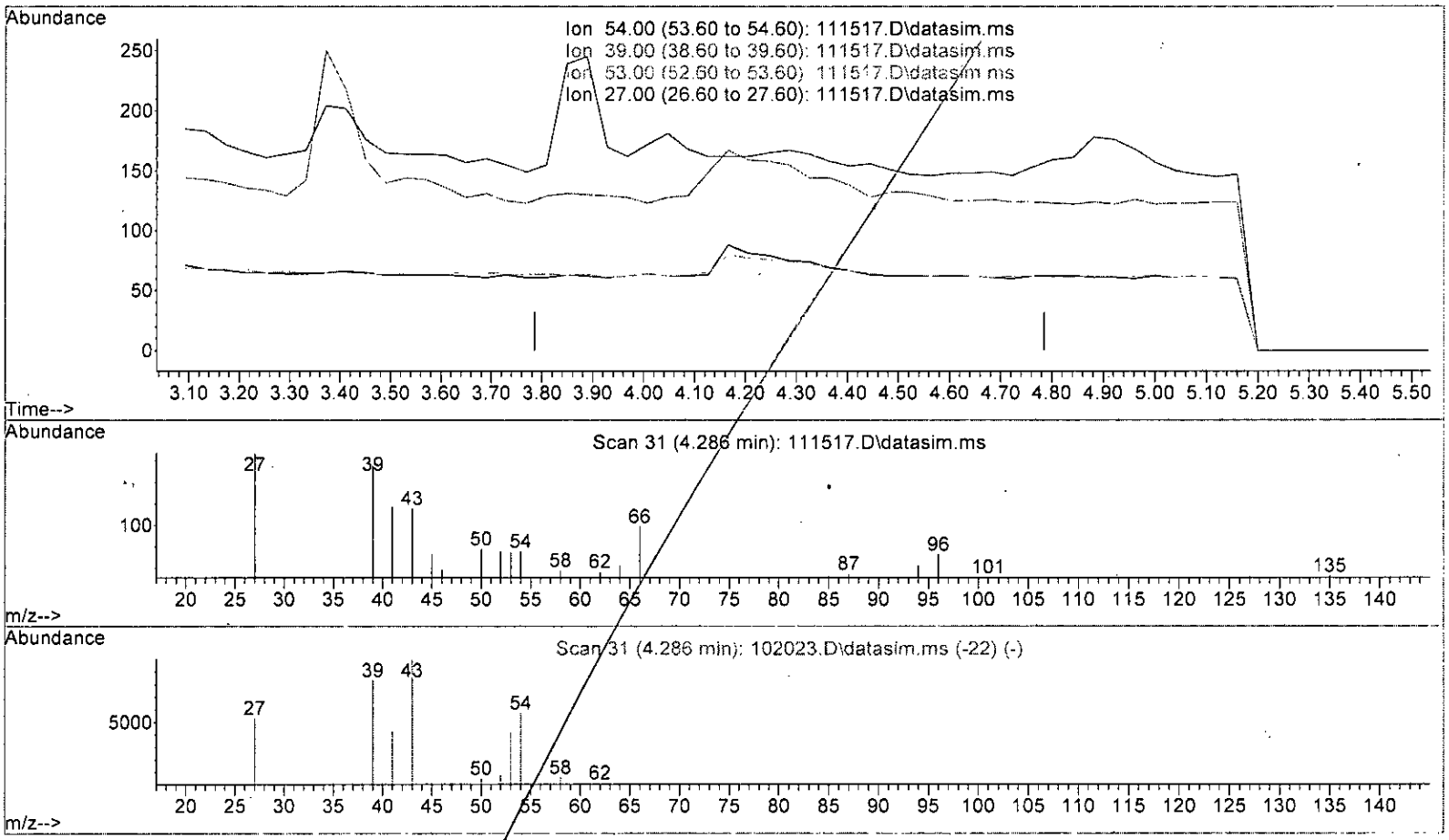
response 324

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	73.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(7) 1,3-Butadiene (TMP)

4.286min (-4.286) 0.000 ppbv

response 0

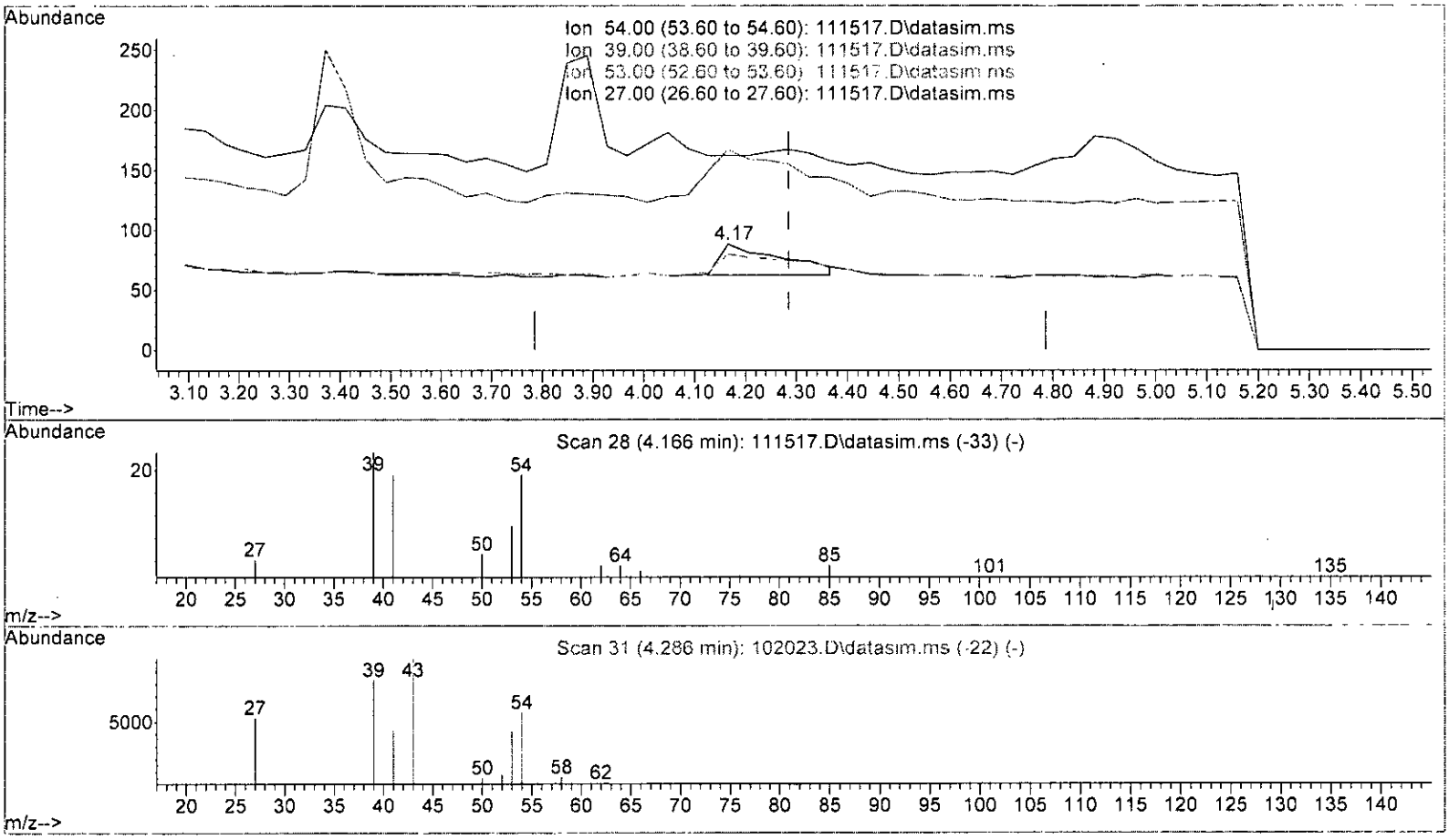
Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

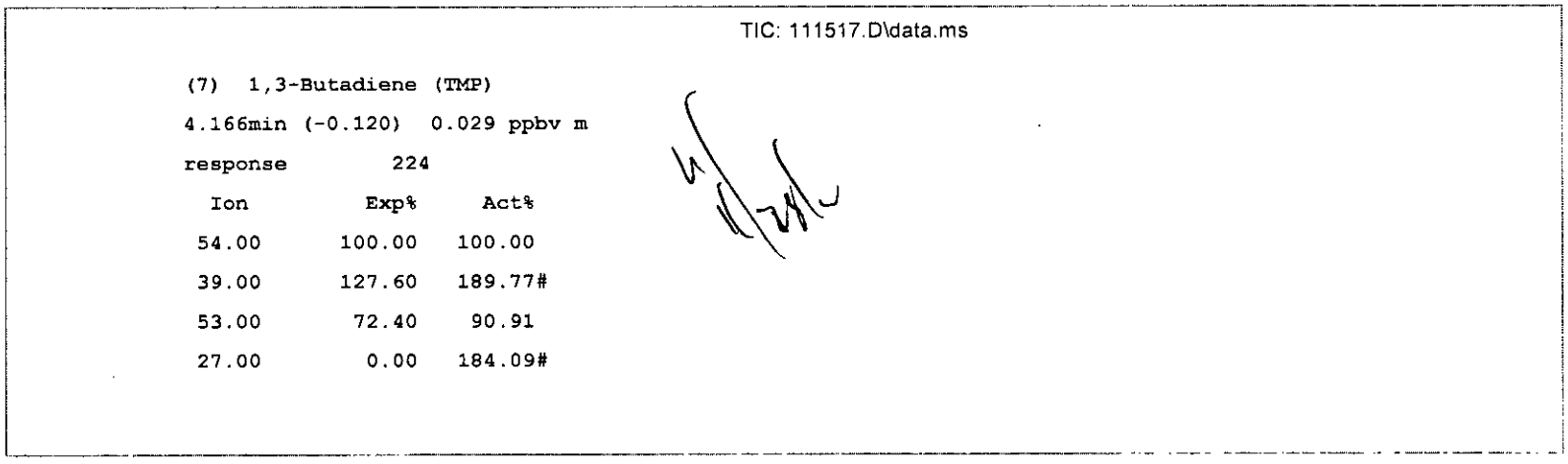
11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





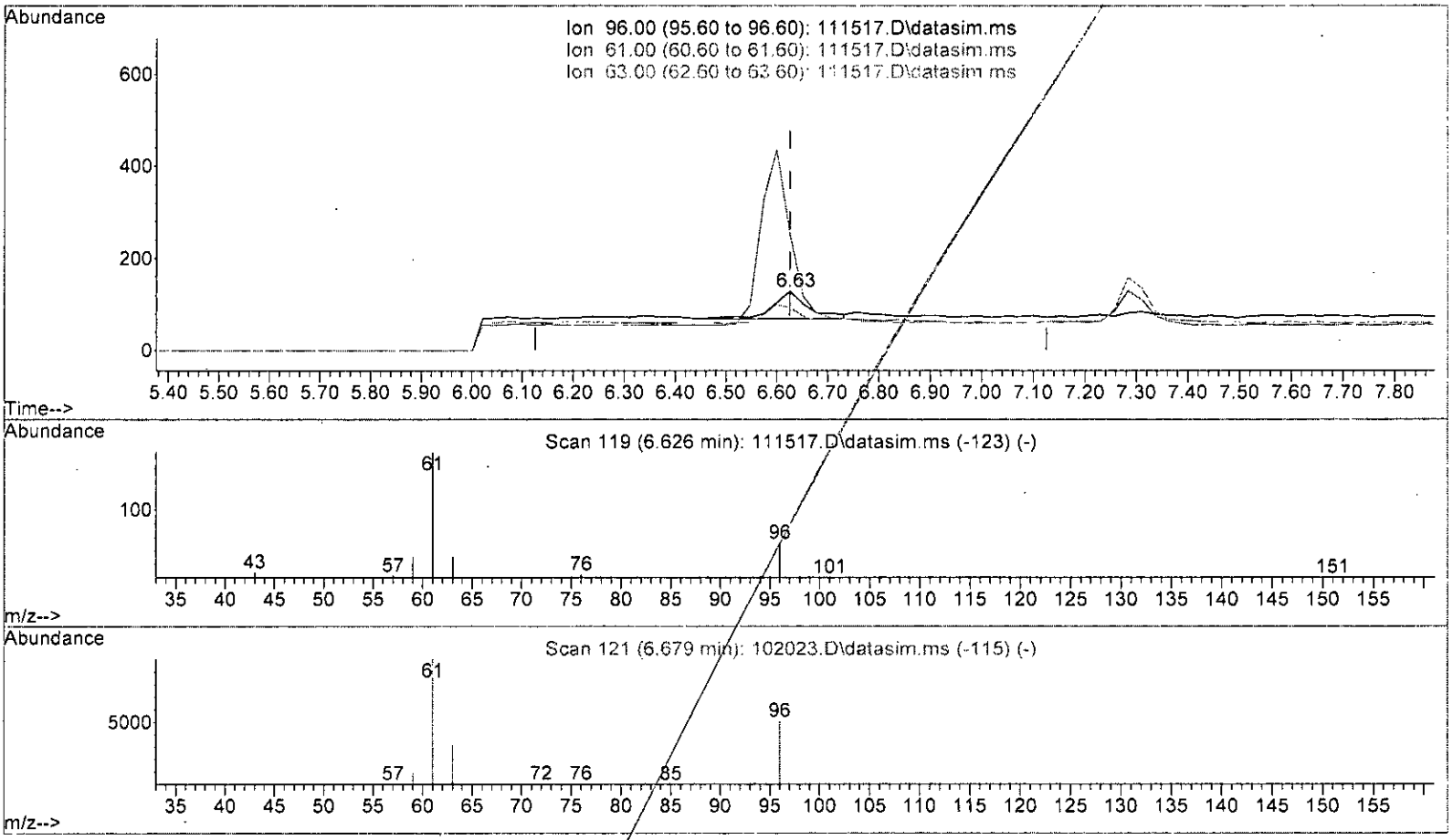
(7) 1,3-Butadiene (TMP)
4.166min (-0.120) 0.029 ppbv m
response 224

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	189.77#
53.00	72.40	90.91
27.00	0.00	184.09#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

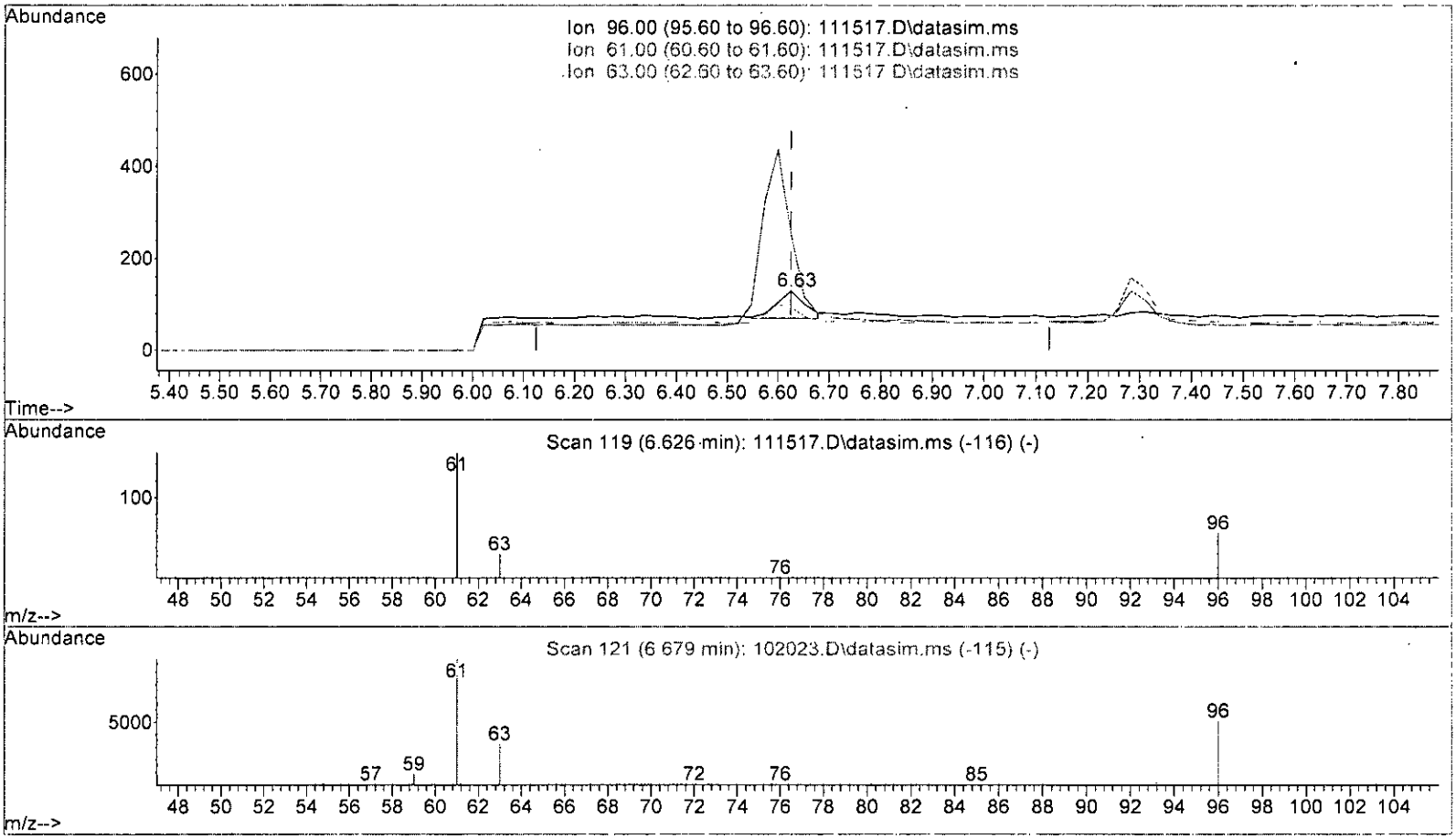
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.028 ppbv
response 293

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	328.33#
63.00	62.00	53.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(18) 1,1-Dichloroethene (TMP)

6.626min (+ 0.000) 0.022 ppbv m

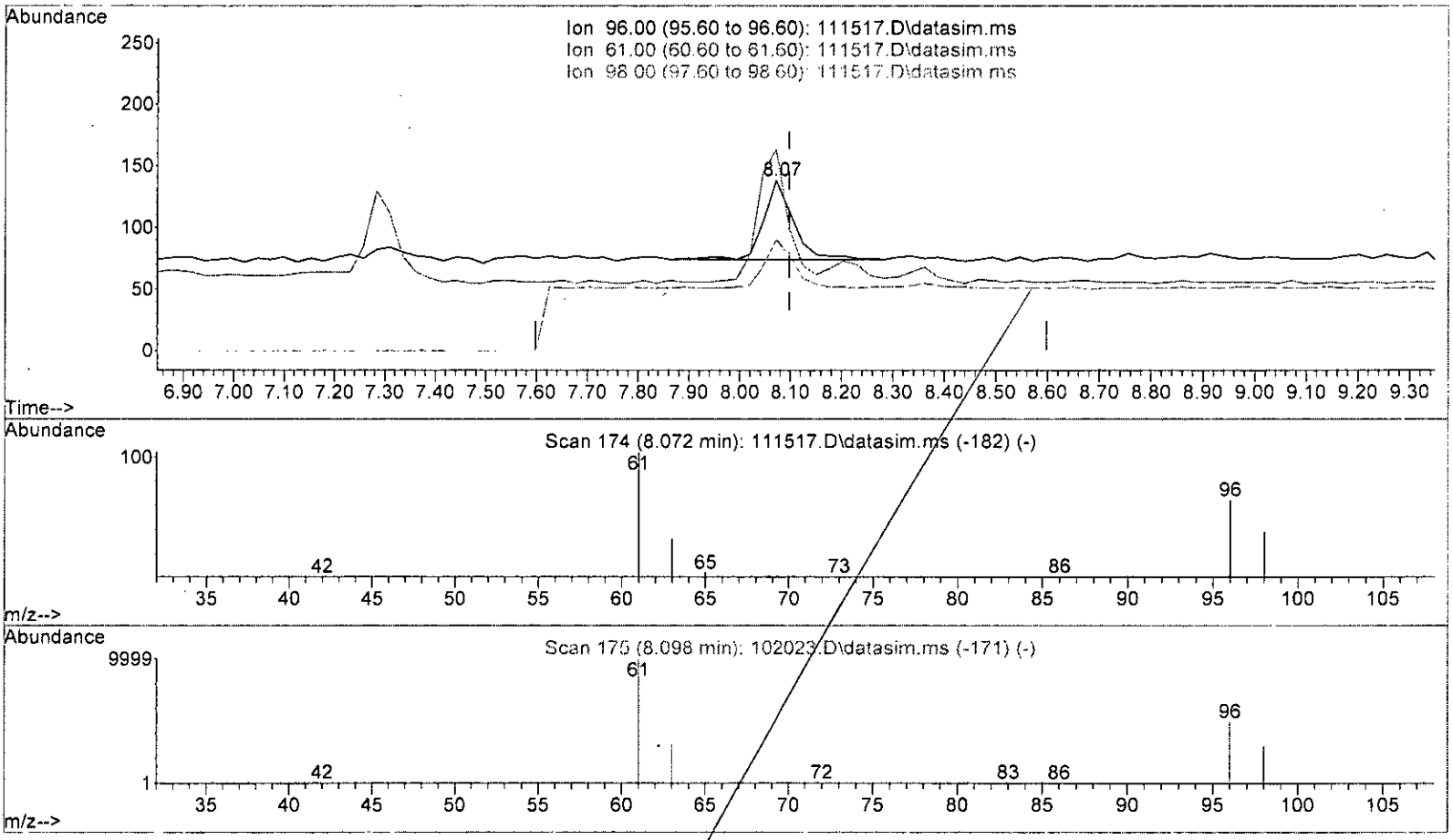
response 230

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	196.12
63.00	62.00	72.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.072min (-0.026) 0.027 ppbv

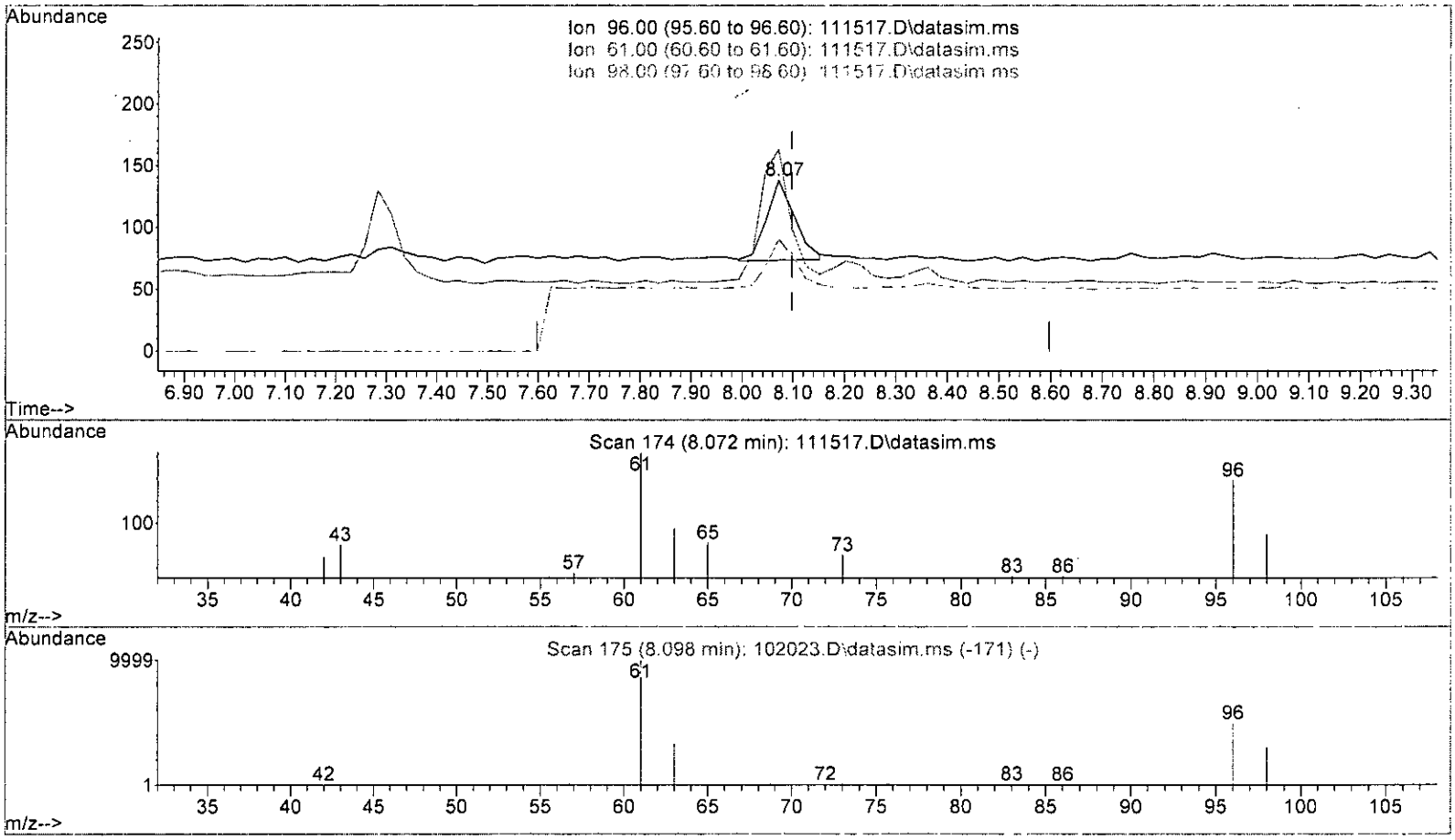
response 266

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	165.63
98.00	64.20	60.94
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.072min (-0.026) 0.025 ppbv m

response 249

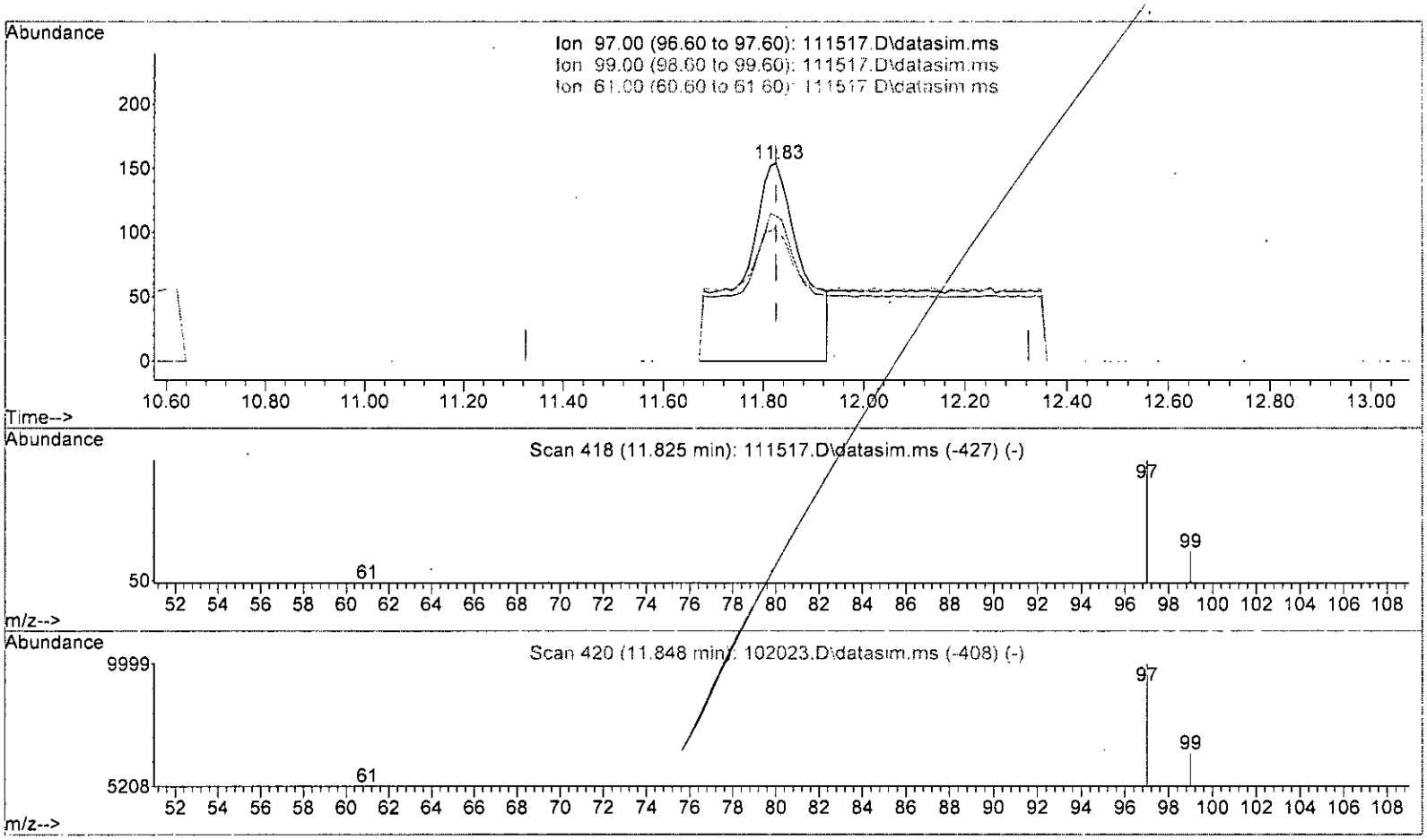
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	118.12#
98.00	64.20	65.22
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.061 ppbv

response 1267

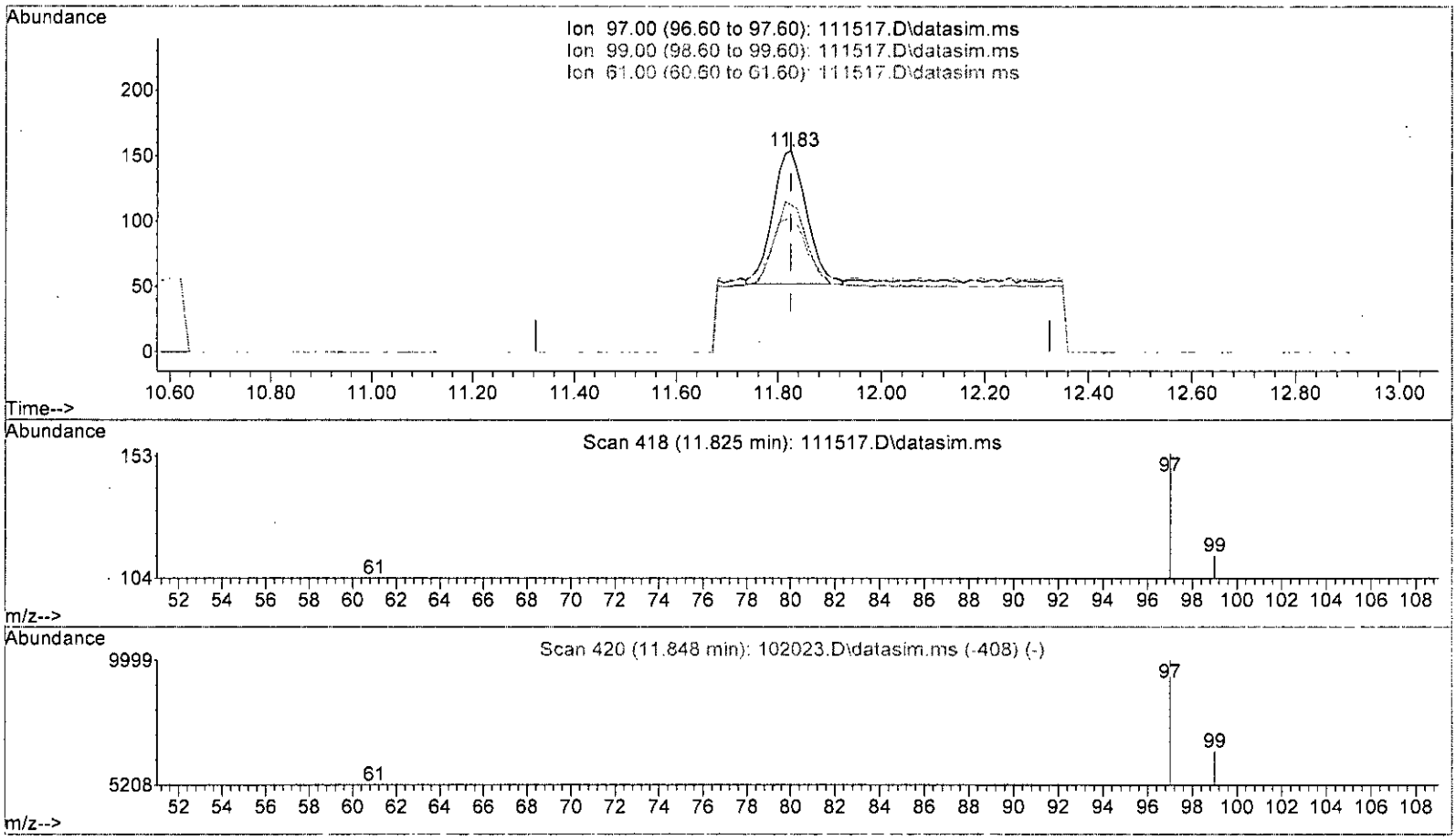
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.38
61.00	49.30	67.53
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.023 ppbv m

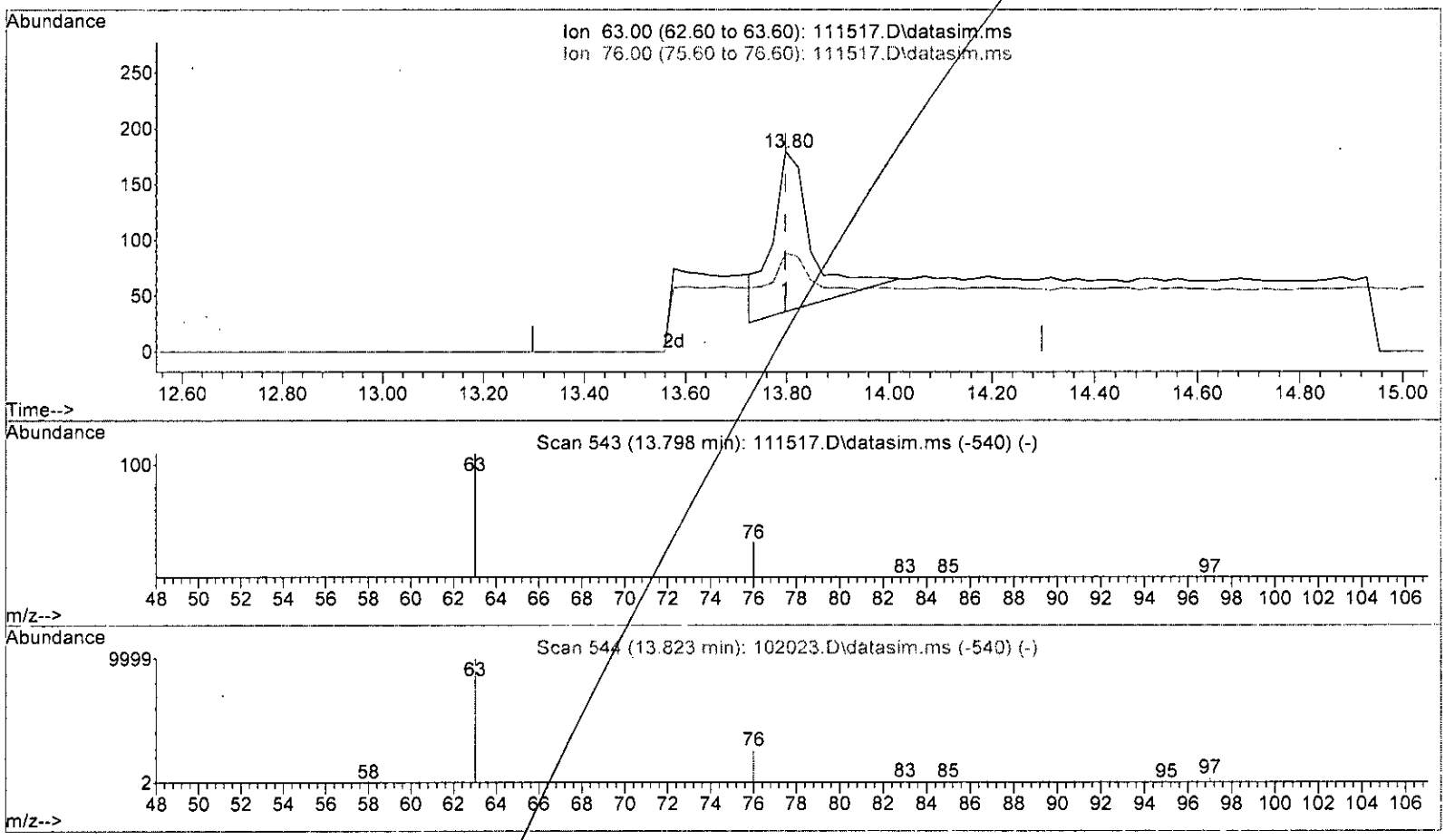
response 472

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.38
61.00	49.30	67.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.050 ppbv

response 771

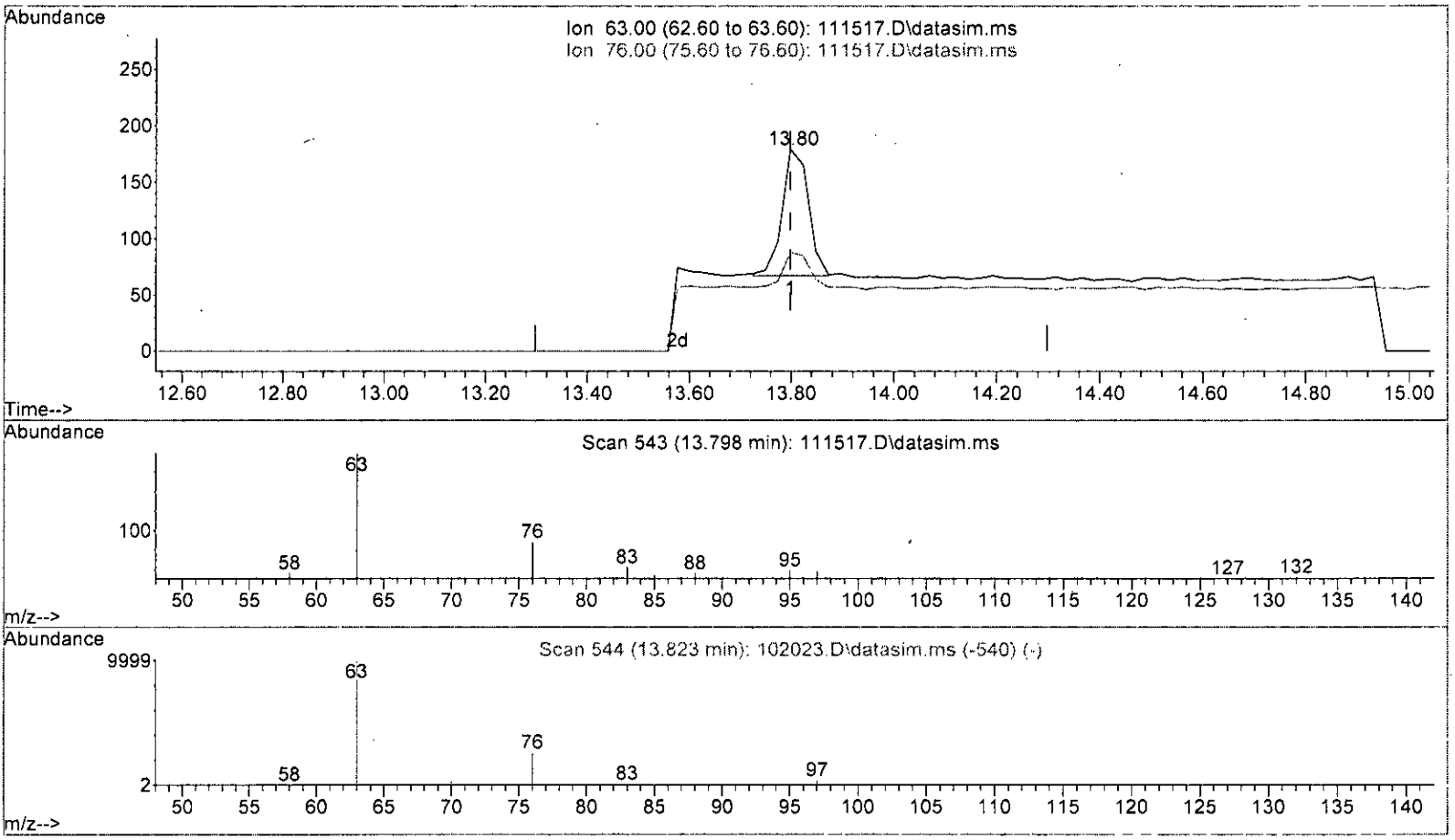
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	28.07
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.026 ppbv m

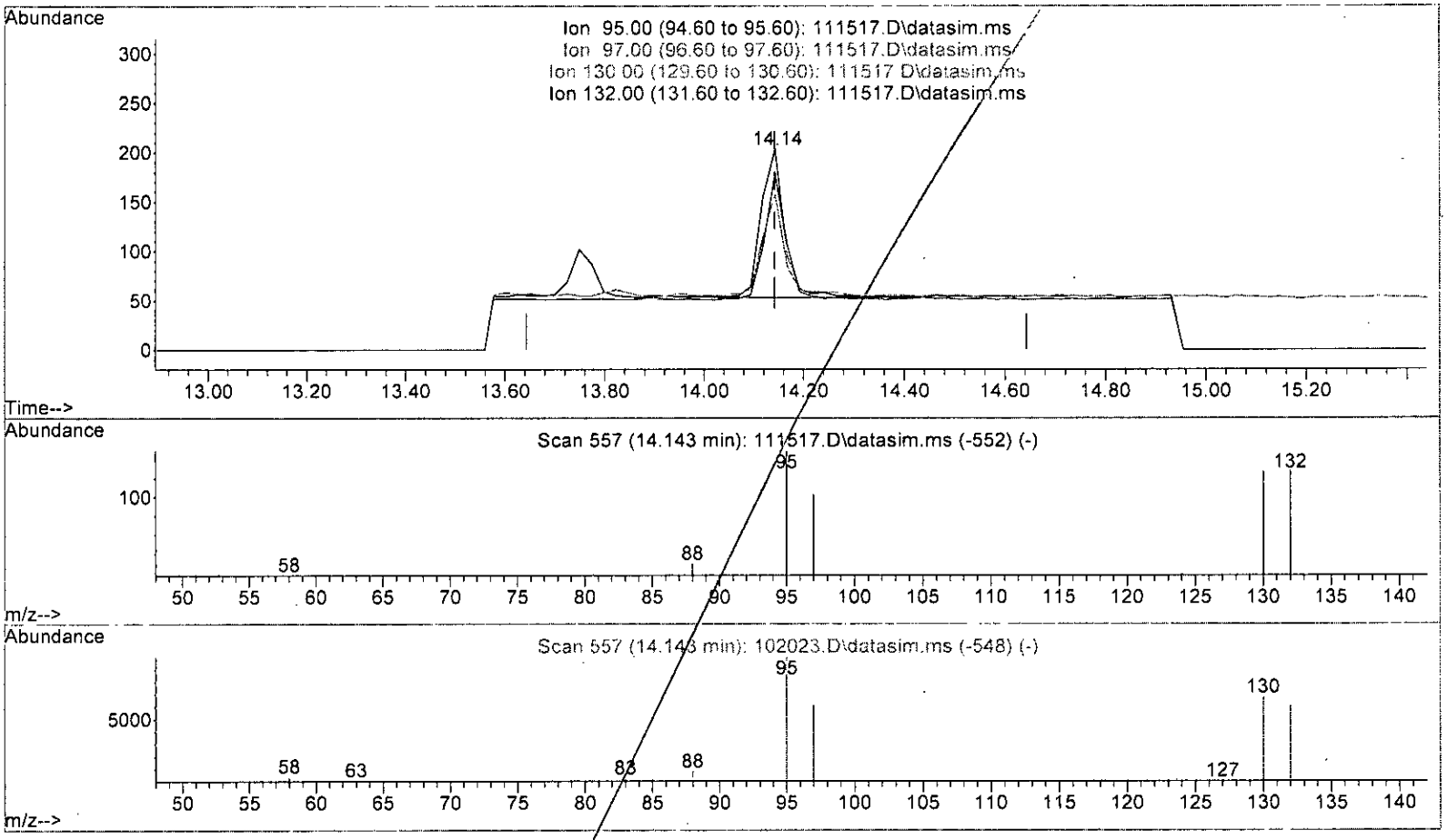
response 396

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	49.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(46) Trichloroethene (TMP)

14.143min (-0.000) 0.029 ppbv

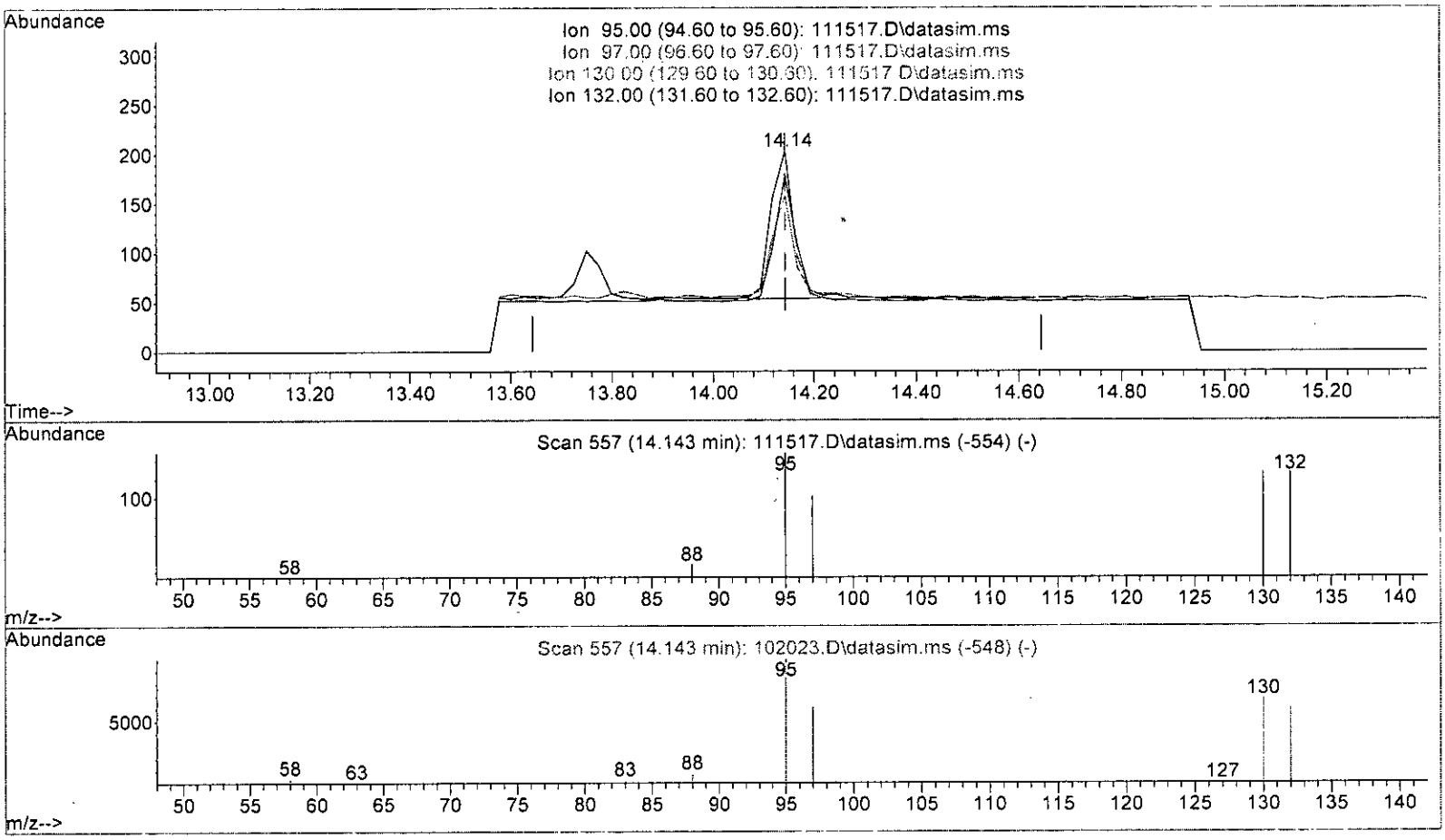
response 498

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	68.67
130.00	86.10	84.67
132.00	84.30	85.33

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(46) Trichloroethene (TMP)

14.143min (-0.000) 0.028 ppbv m

response 467

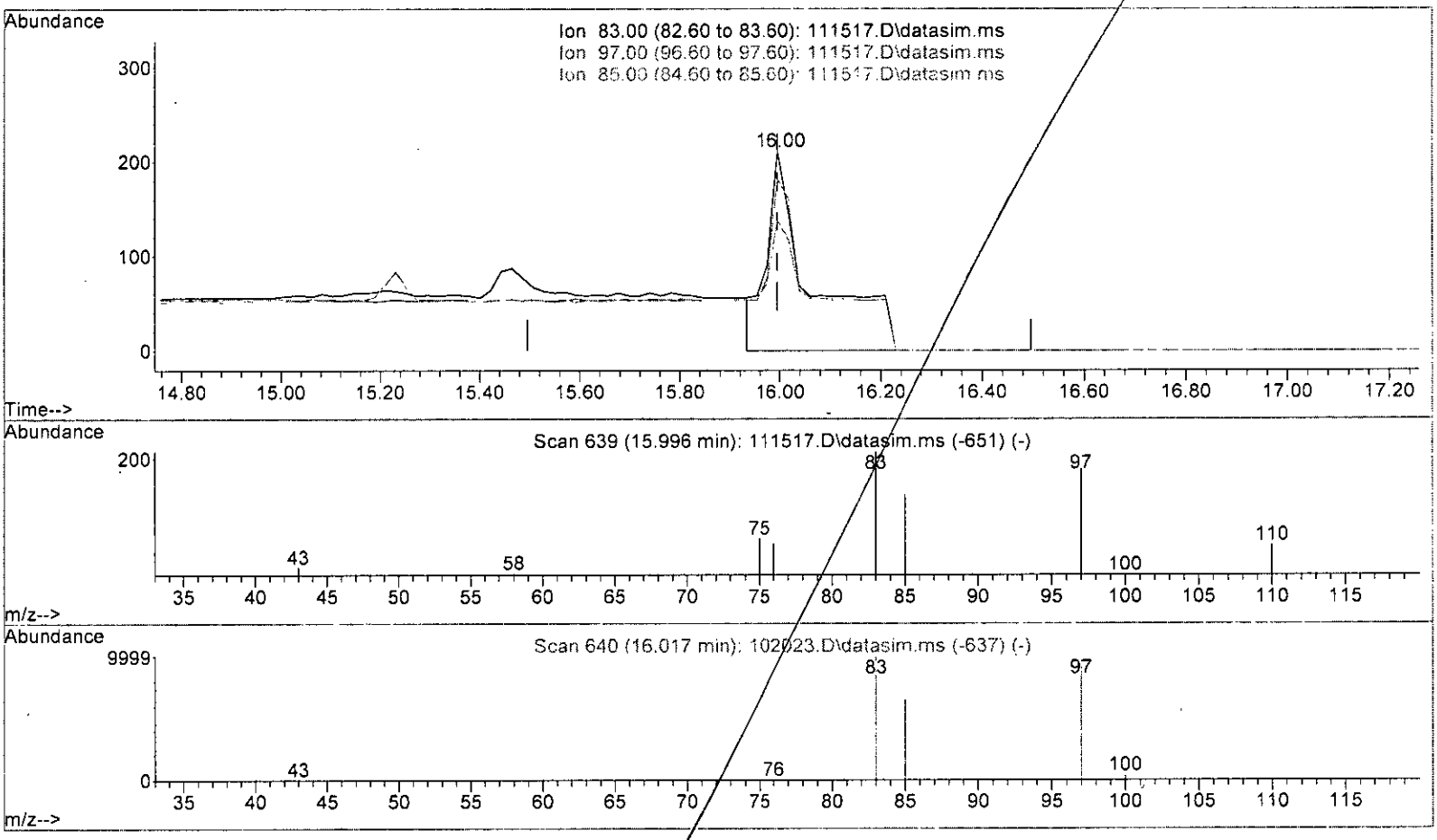
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	77.83
130.00	86.10	87.19
132.00	84.30	88.18

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.084 ppbv

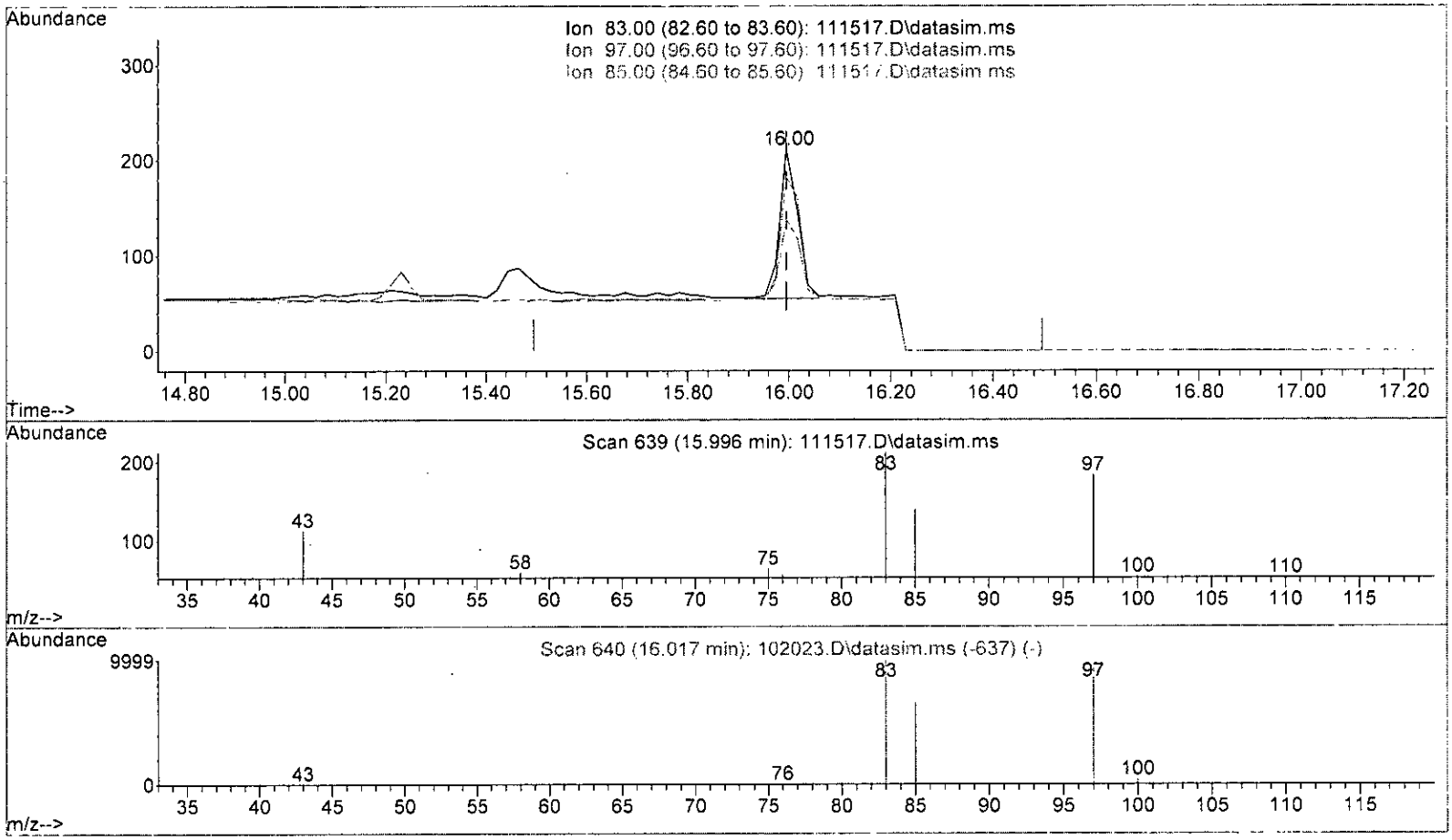
response 1344

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	86.26
85.00	60.50	65.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.021 ppbv m

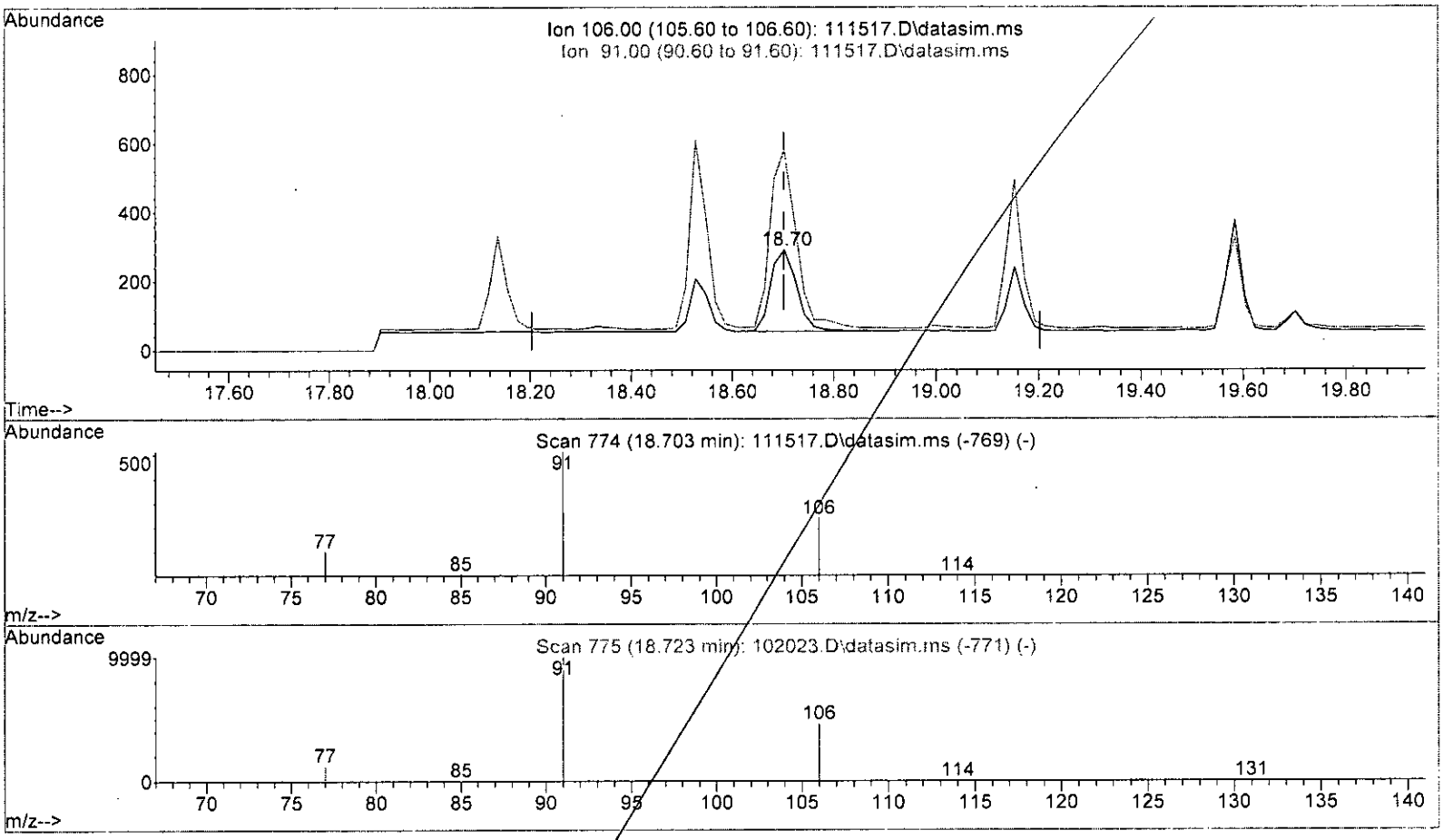
response 393

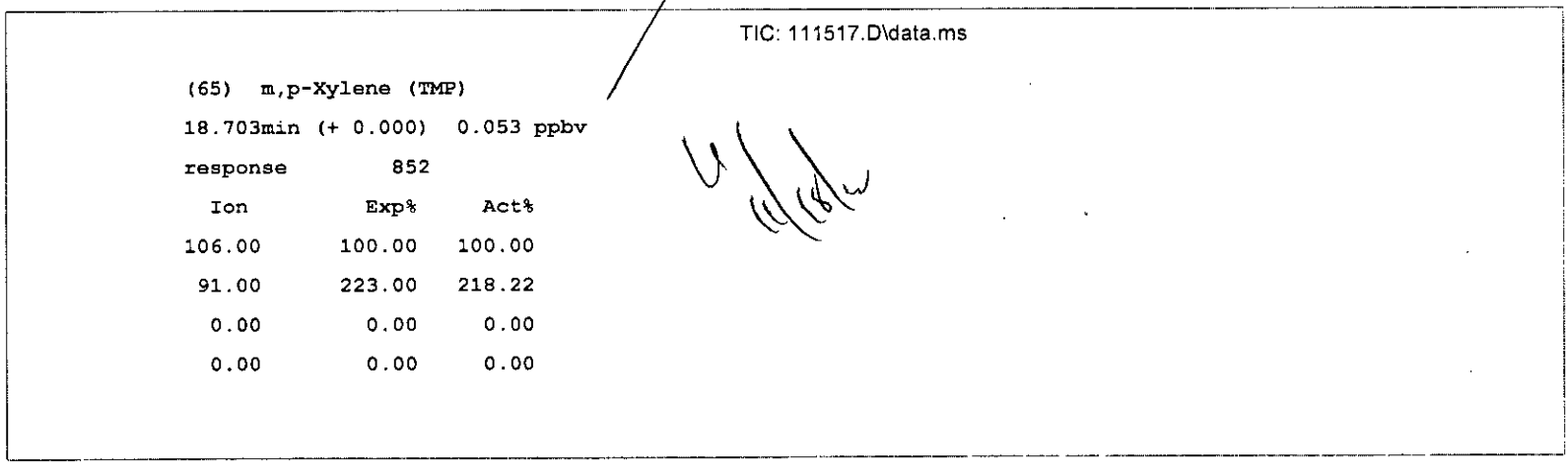
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	86.26
85.00	60.50	65.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





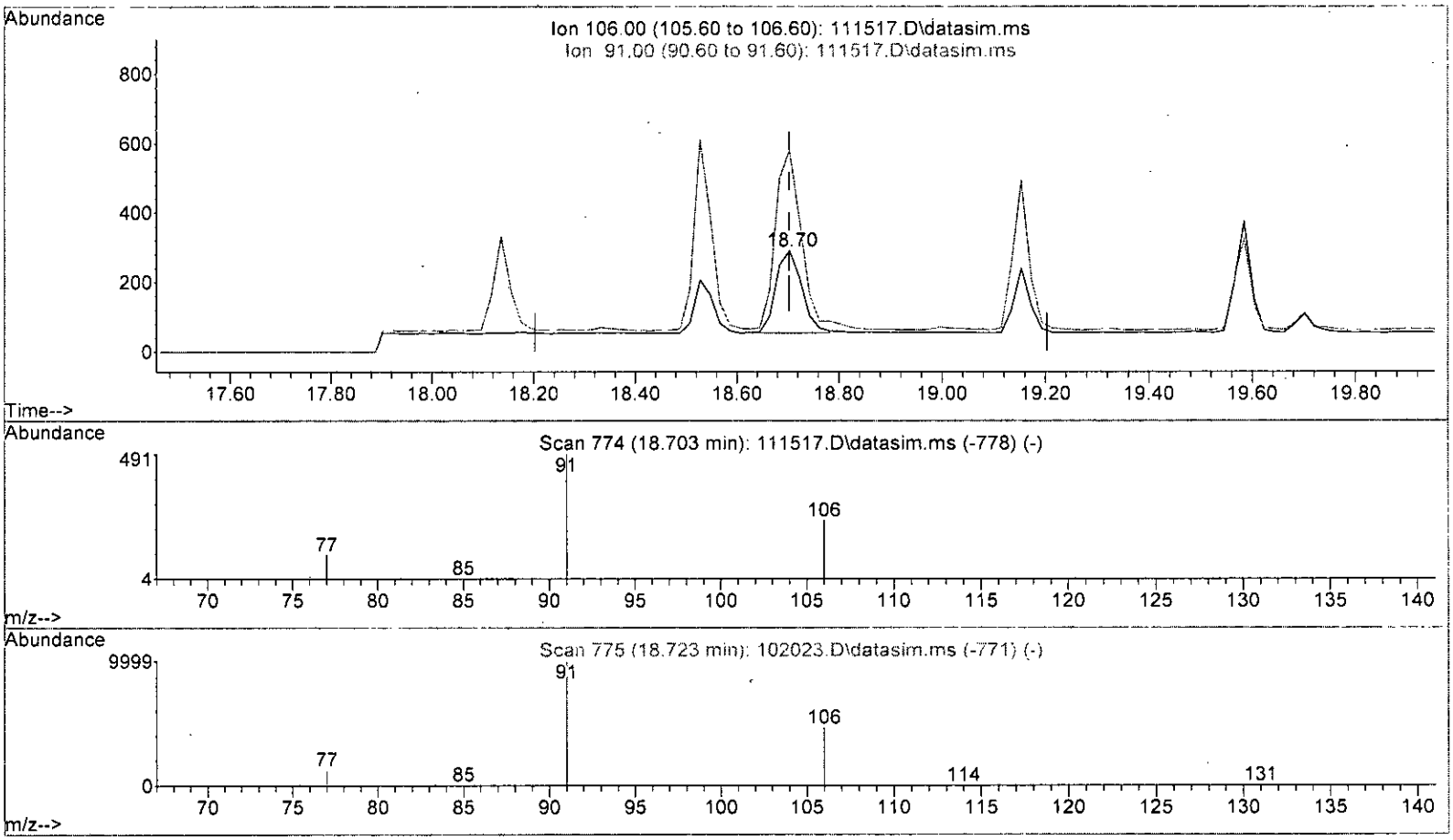
(65) m,p-Xylene (TMP)
18.703min (+ 0.000) 0.053 ppbv
response 852

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	223.00	218.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111517.D\data.ms

(65) m,p-Xylene (TMP)

18.703min (+ 0.000) 0.052 ppbv m

response 835

Ion	Exp%	Act%
106.00	100.00	100.00
91.00	223.00	200.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	62504	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	285561	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252187	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	161862	9.261	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.60%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.	d	
6] Vinyl chloride	4.05	62	324m	0.028	ppbv	
7] 1,3-Butadiene	4.17	54	224m	0.029	ppbv	
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.	d	
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	230m	0.022	ppbv	
19] trans-1,2-Dichloroethene	8.07	96	249m	0.025	ppbv	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	517	0.025	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	278	0.026	ppbv	92
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	588	0.020	ppbv	96
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.34	62	385	0.020	ppbv	99
35] 1,1,1-Trichloroethane	11.83	97	472m	0.023	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	396m	0.026	ppbv	

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

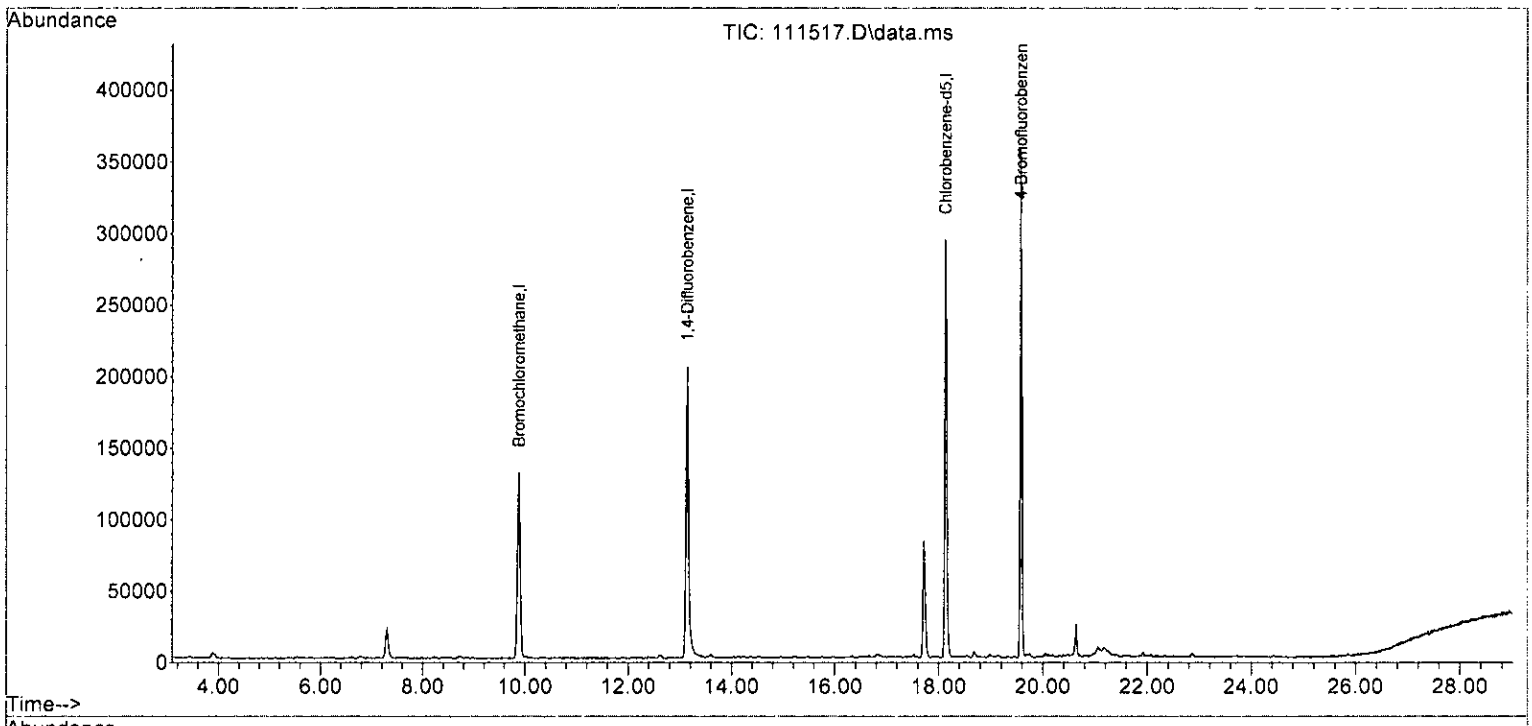
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	d	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	467m	0.028	ppbv	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51] 1,1,2-Trichloroethane	16.00	83	393m	0.021	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	566	0.019	ppbv	93
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	1313	0.022	ppbv	99
59] 1,1,2,2-Tetrachloroethane	19.13	83	797	0.019	ppbv	98
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	835m	0.052	ppbv	
66] o-Xylene	19.15	106	403	0.026	ppbv	96
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70] Benzyl chloride	20.95	91	391	0.014	ppbv	97
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74] 1,4-Dichlorobenzene	21.05	146	563	0.024	ppbv	94
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
77] Naphthalene	23.86	128	958	0.021	ppbv	99
78] Hexachlorobutadiene	24.44	225	626	0.024	ppbv	98

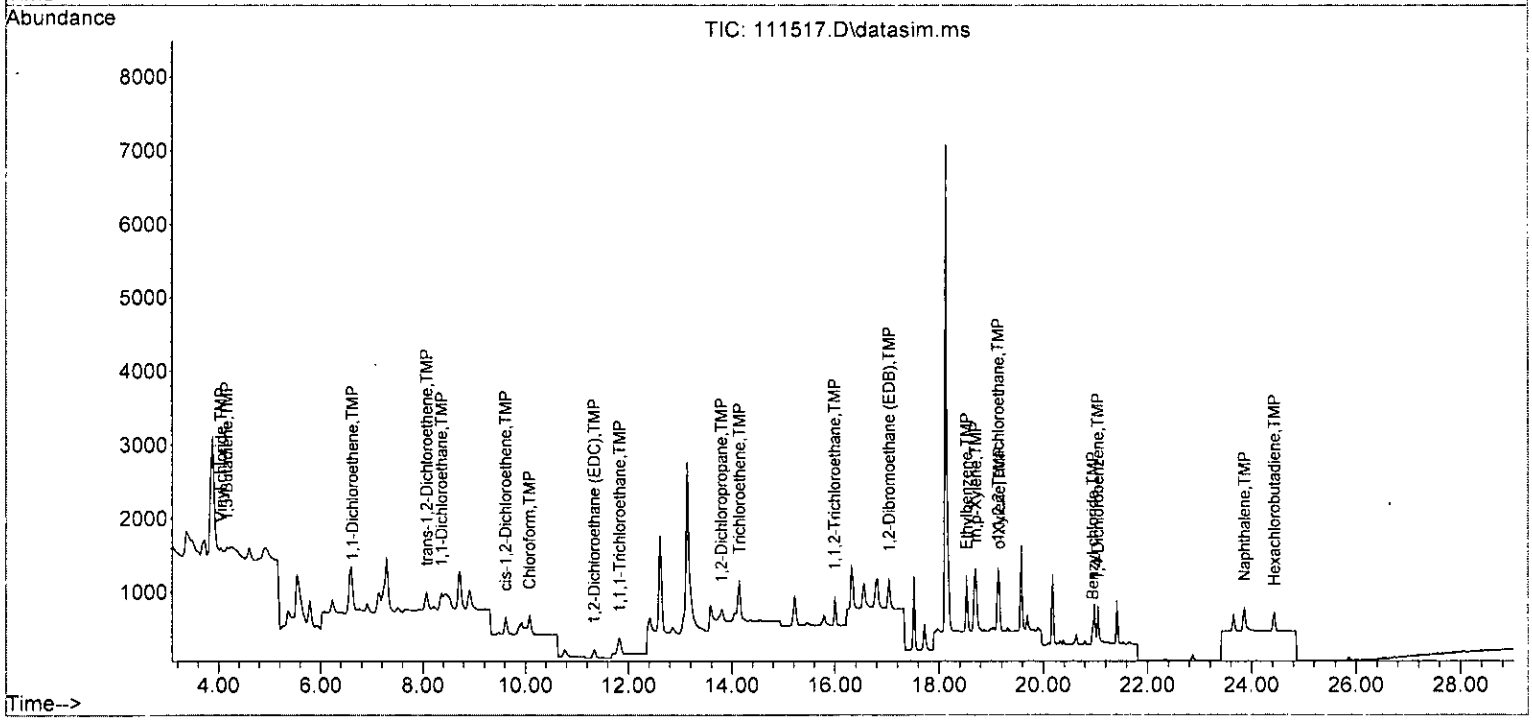
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.88#
6	TMP	Vinyl chloride	0.020	0.028	-40.0#	94	-0.04
7	TMP	1,3-Butadiene	0.020	0.029	-45.0#	94	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	-1.000	0.000	0.0	0	-5.32#
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.020	0.000	100.0#	0	-5.42#
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.020	0.022	-10.0	78	0.00
19	TMP	trans-1,2-Dichloroethene	0.020	0.025	-25.0	94	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	-1.000	0.000	0.0	0	-7.15#
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.020	0.025	-25.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.020	0.026	-30.0	100	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.020	0.020	0.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.020	0.020	0.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.020	0.023	-15.0	103	0.00
36	TMP	Carbon tetrachloride	0.020	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.020	0.000	100.0#	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.020	0.026	-30.0	102	0.00
41	TMP	1,4-Dioxane	-1.000	0.000	0.0	0	-14.09#
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.020	0.028	-40.0#	94	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.78#
50	TMP	Toluene	-1.000	0.000	0.0	0	-16.31#
51	TMP	1,1,2-Trichloroethane	0.020	0.021	-5.0	101	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.020	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.020	0.019	5.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.020	0.022	-10.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.020	0.019	5.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.040	0.052	-30.0	98	0.00
66	TMP	o-Xylene	0.020	0.026	-30.0	100	0.00
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.261	7.4	100	0.00
70	TMP	Benzyl chloride	0.020	0.014	30.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.98#
74	TMP	1,4-Dichlorobenzene	0.020	0.024	-20.0	100	0.00
75	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-21.41#
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	0.020	0.021	-5.0	100	0.02
78	TMP	Hexachlorobutadiene	0.020	0.024	-20.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	0.000	100.0#	0#	-3.88#
6	TMP	Vinyl chloride	1.851	2.592	-40.0#	94	-0.04
7	TMP	1,3-Butadiene	1.216	1.792	-47.4#	94	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	0.000	100.0#	0#	-5.32#
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.000	100.0#	0#	-5.42#
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.840	-11.9	78	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.992	-24.7	94	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	0.000	100.0#	0#	-7.15#
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	4.136	-23.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	2.224	-31.6#	100	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	4.704	-15.9	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	3.080	-14.6	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.776	-13.0	103	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.693	-28.1	102	0.00
41	TMP	1,4-Dioxane	0.230	0.000	100.0#	0#	-14.09#
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111517.D
Acq On : 16 Nov 2022 4:27 am
Operator : bat
Sample : 0.02 ppbv 67-196e
Misc : T3, 250cc of 0.02ppbv
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 12:49:12 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

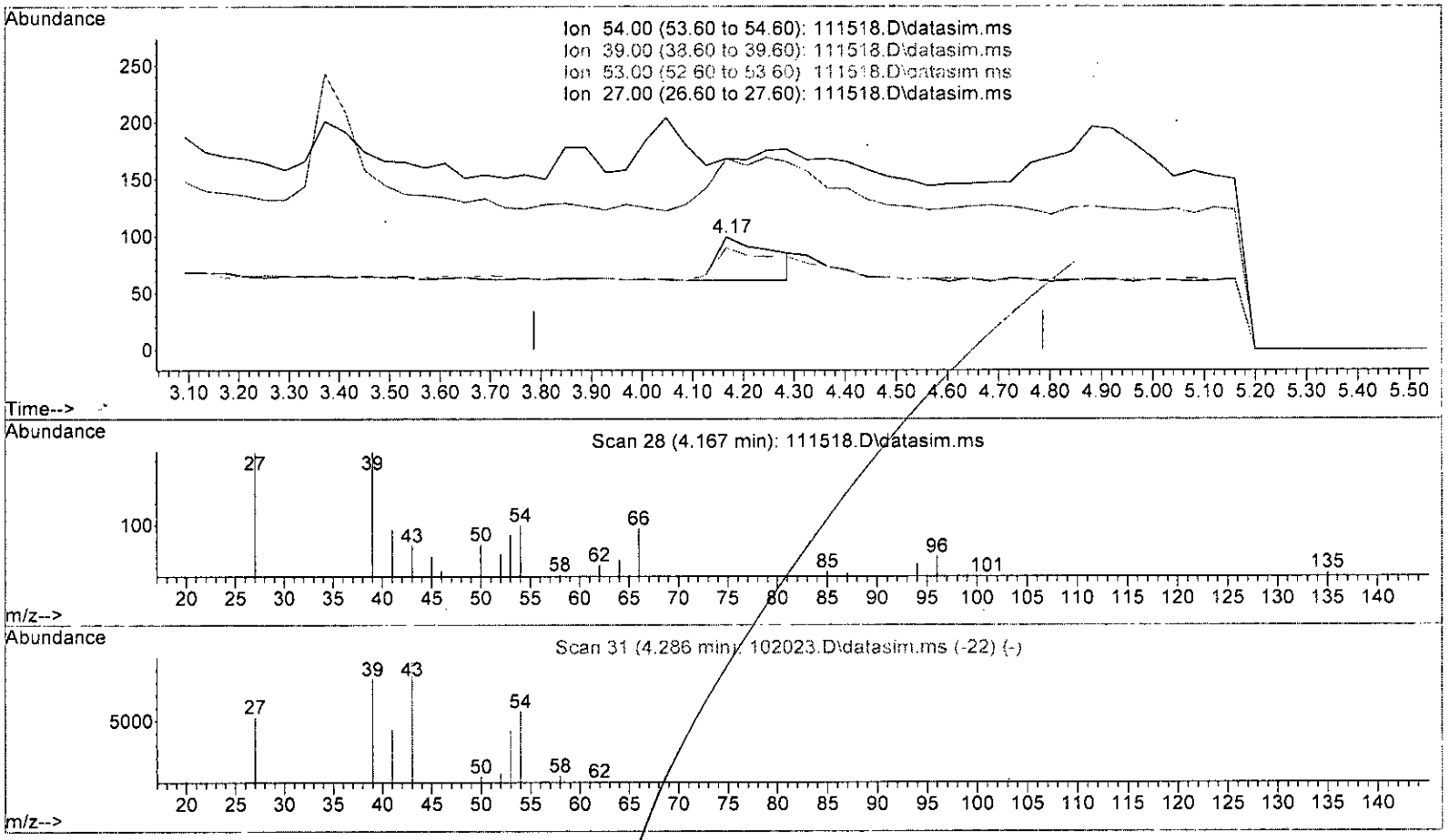
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.818	-37.9#	94	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.000	100.0#	0#	-15.78#
50	TMP	Toluene	0.707	0.000	100.0#	0#	-16.31#
51	TMP	1,1,2-Trichloroethane	0.550	0.688	-25.1	101	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.991	-20.3	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	2.603	-32.3#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.580	-13.3	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.828	-30.8#	98	0.00
66	TMP	o-Xylene	0.615	0.799	-29.9	100	0.00
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.642	7.4	100	0.00
70	TMP	Benzyl chloride	0.987	0.775	21.5	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.000	100.0#	0#	-20.98#
74	TMP	1,4-Dichlorobenzene	0.947	1.116	-17.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.000	100.0#	0#	-21.41#
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	1.899	-67.8#	100	0.02
78	TMP	Hexachlorobutadiene	1.045	1.241	-18.8	100	0.00

(#) = Out of Range SPCC's out = 18 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.039 ppbv m

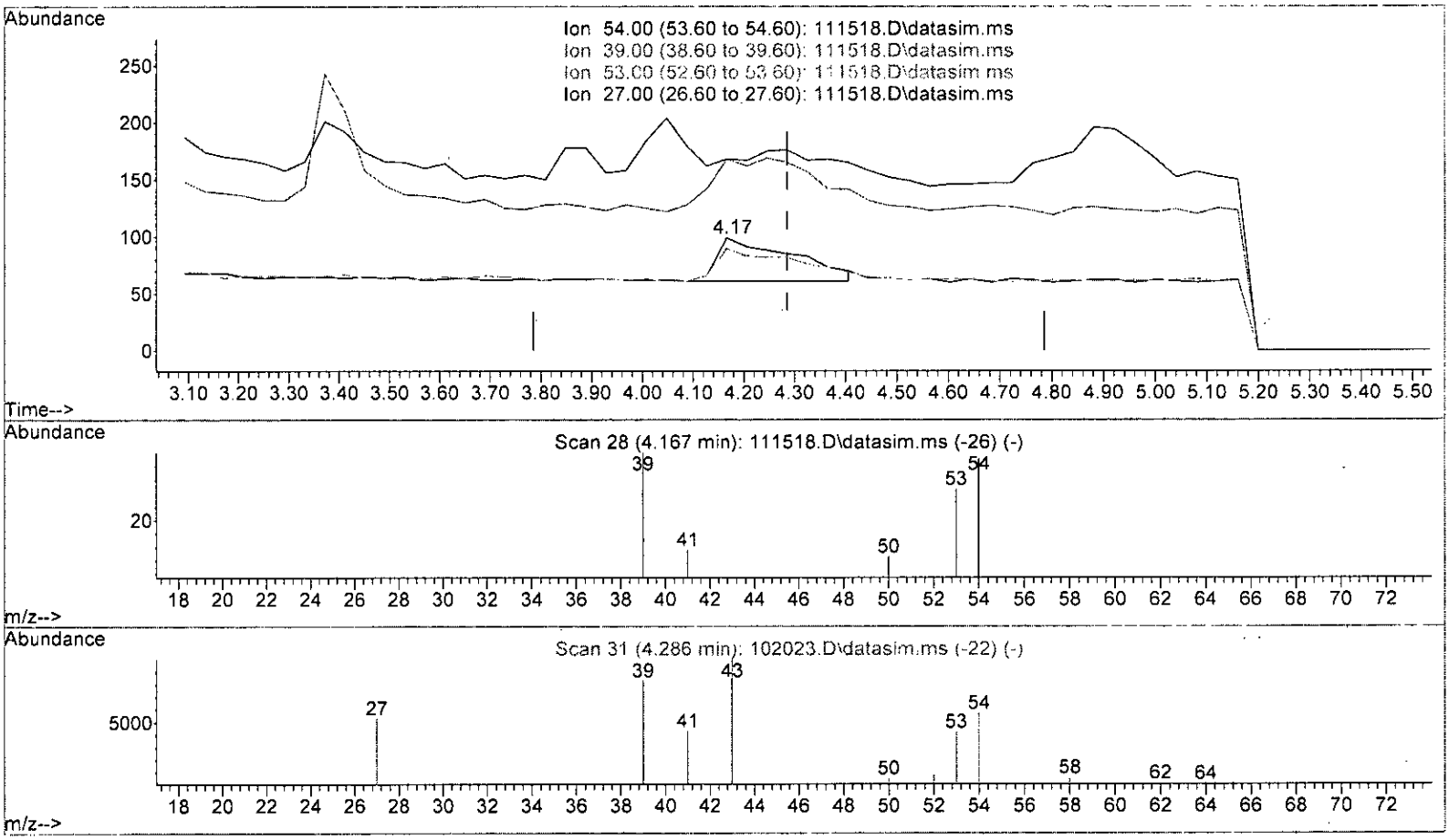
response 296

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	169.70#
53.00	72.40	90.91
27.00	0.00	169.70#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.052 ppbv m

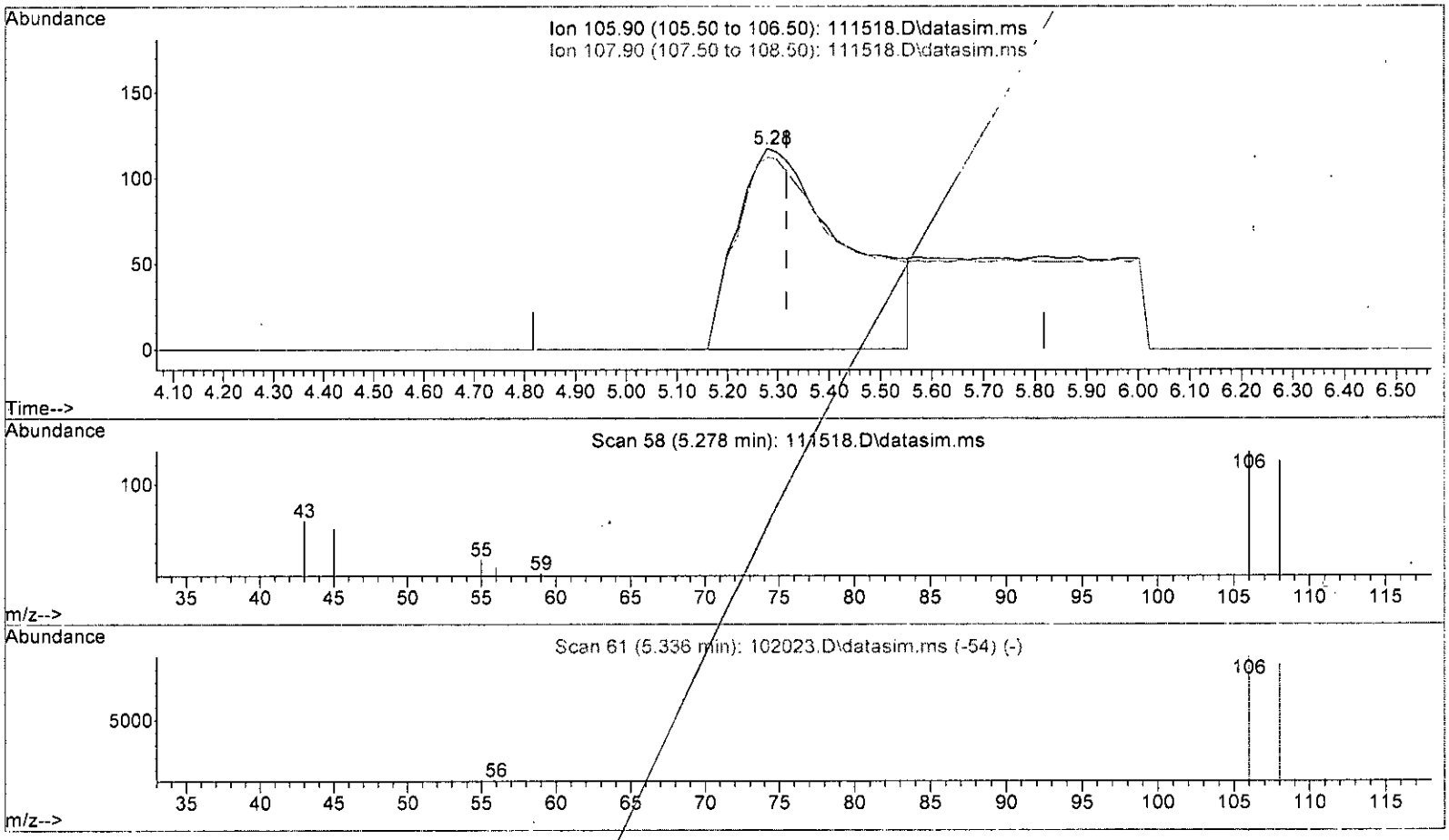
response 398

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	169.70#
53.00	72.40	90.91
27.00	0.00	169.70#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

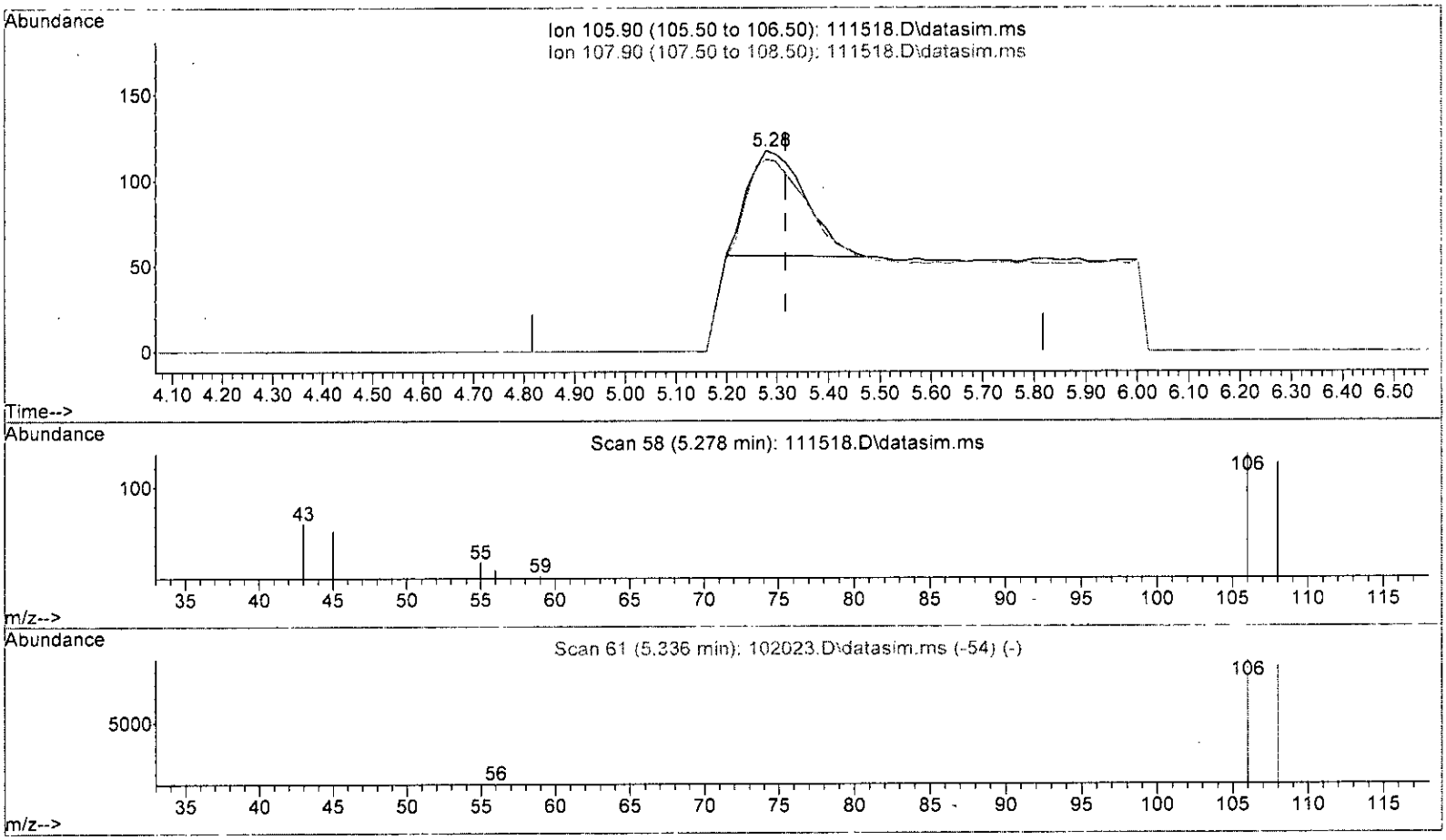
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.186 ppbv
response 1890

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	97.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

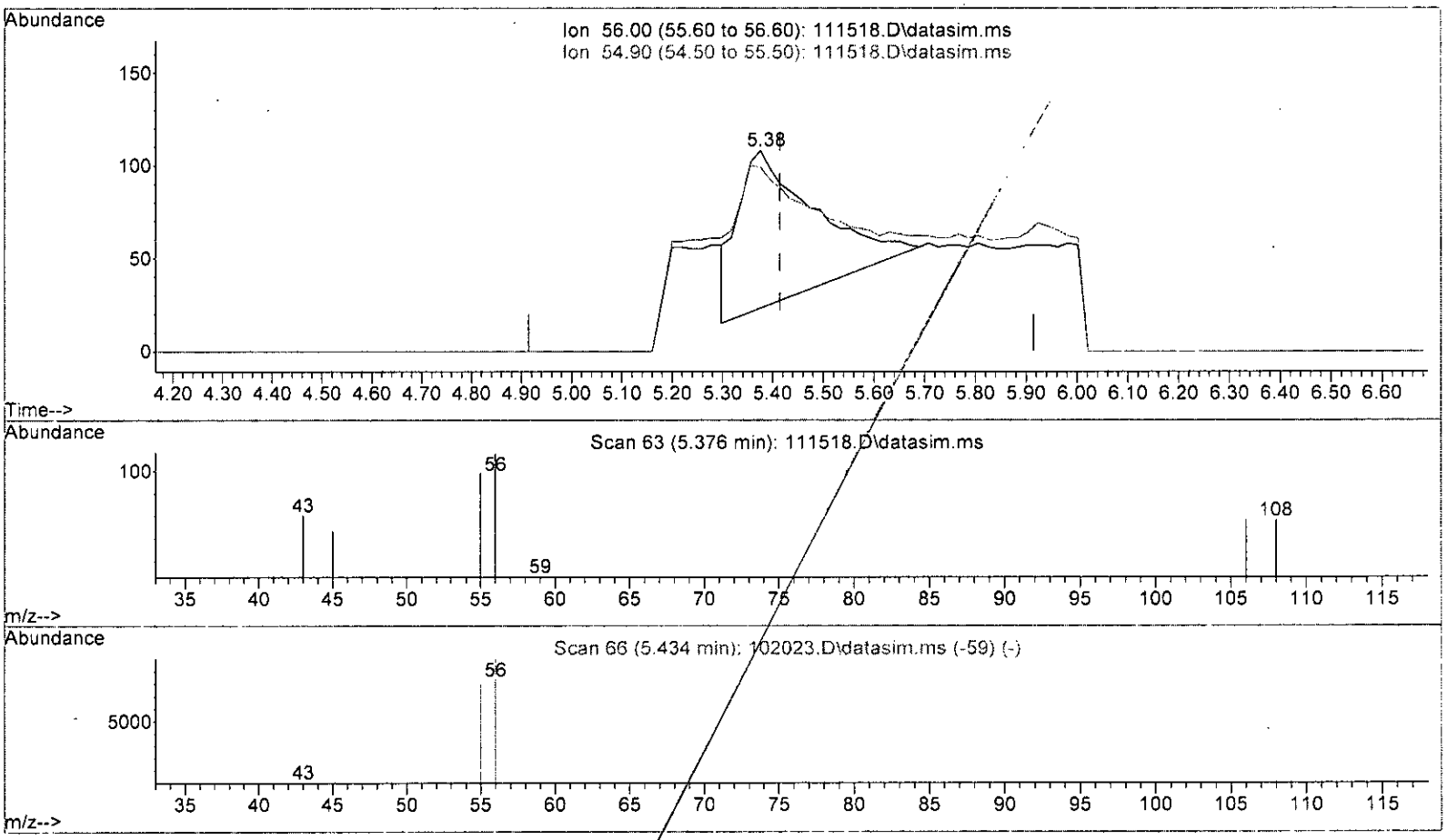
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.048 ppbv m
response 483

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	380.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.195 ppbv

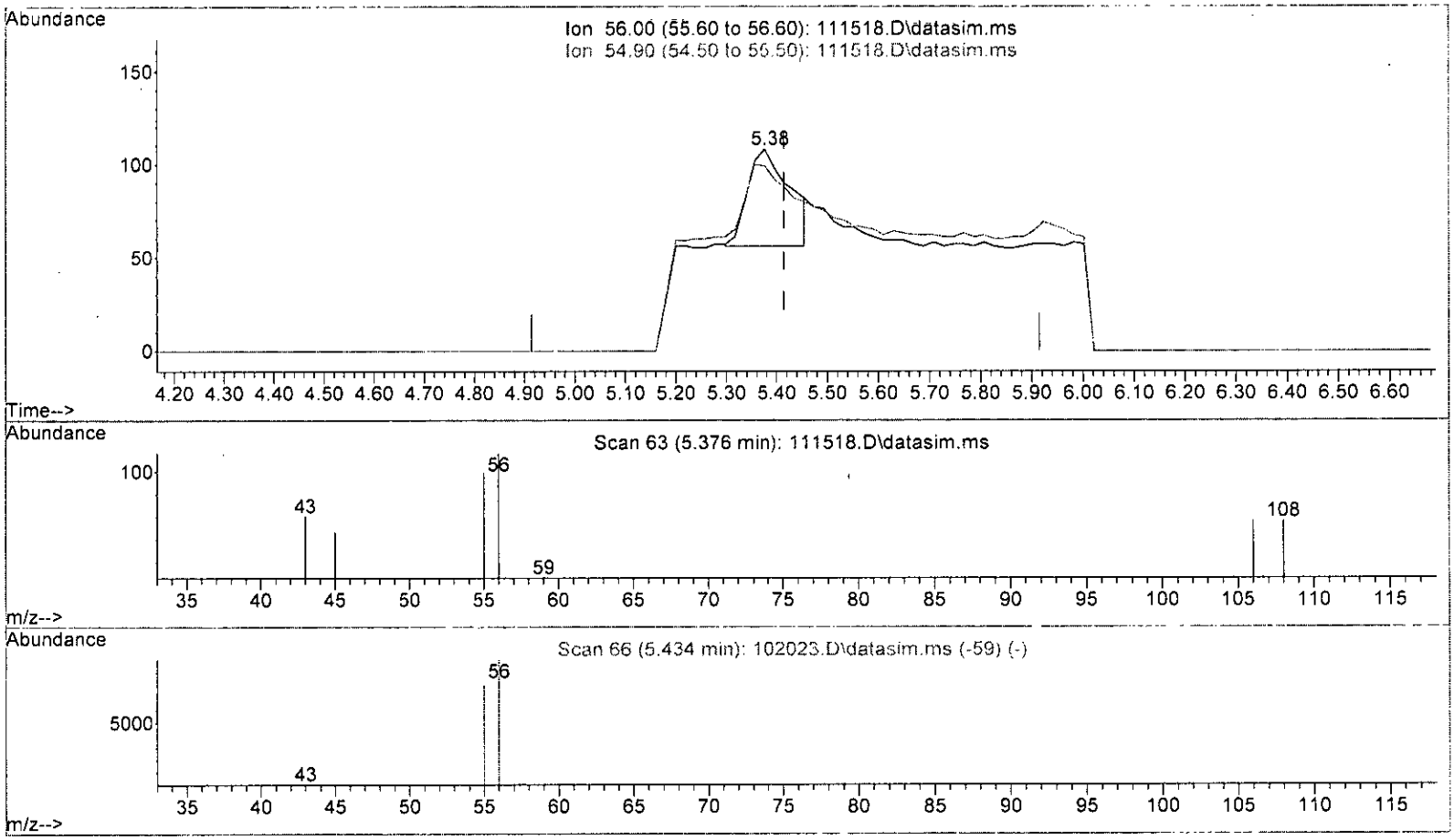
response 898

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	276.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.066 ppbv m

response 304

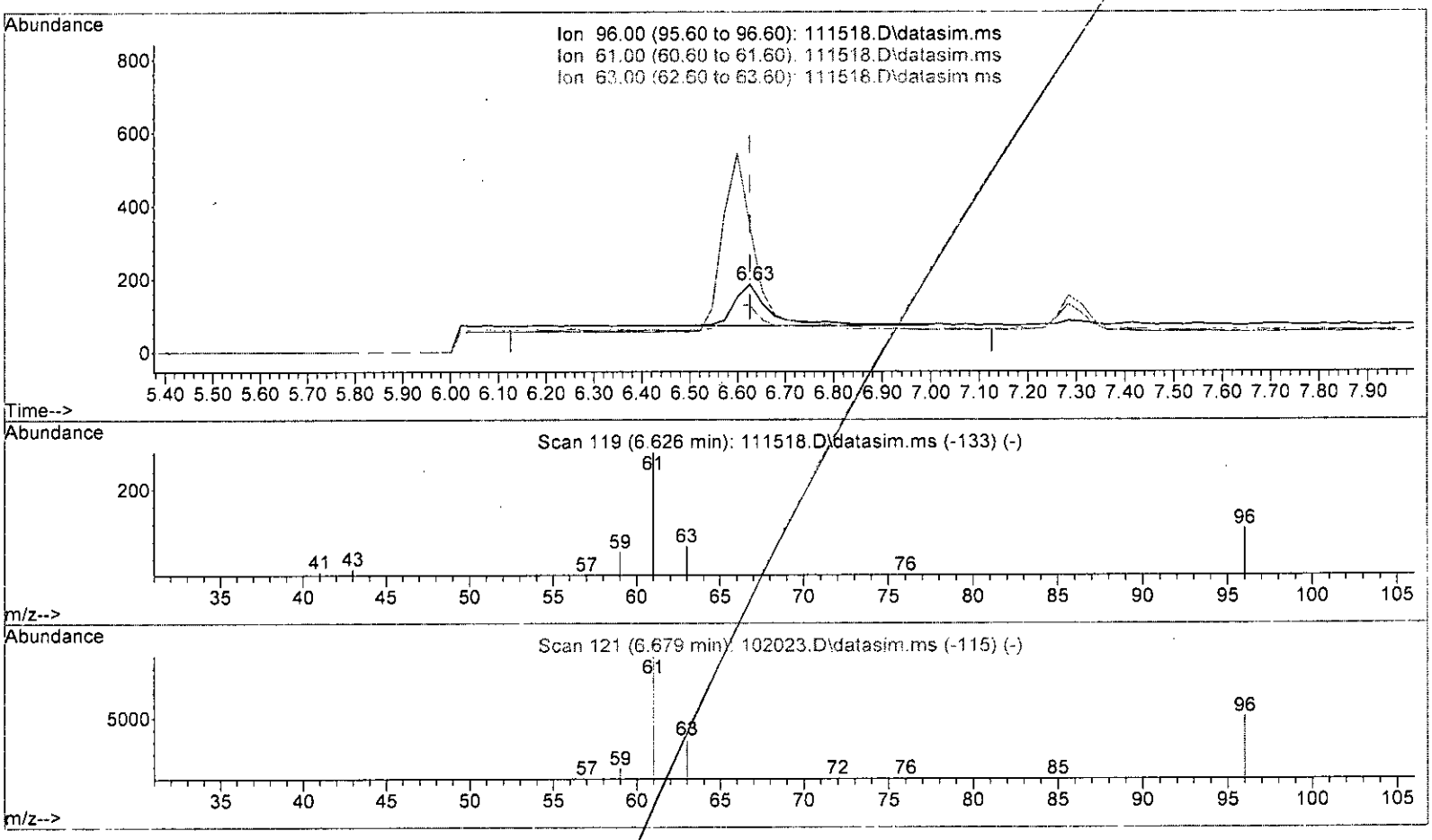
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	816.45#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

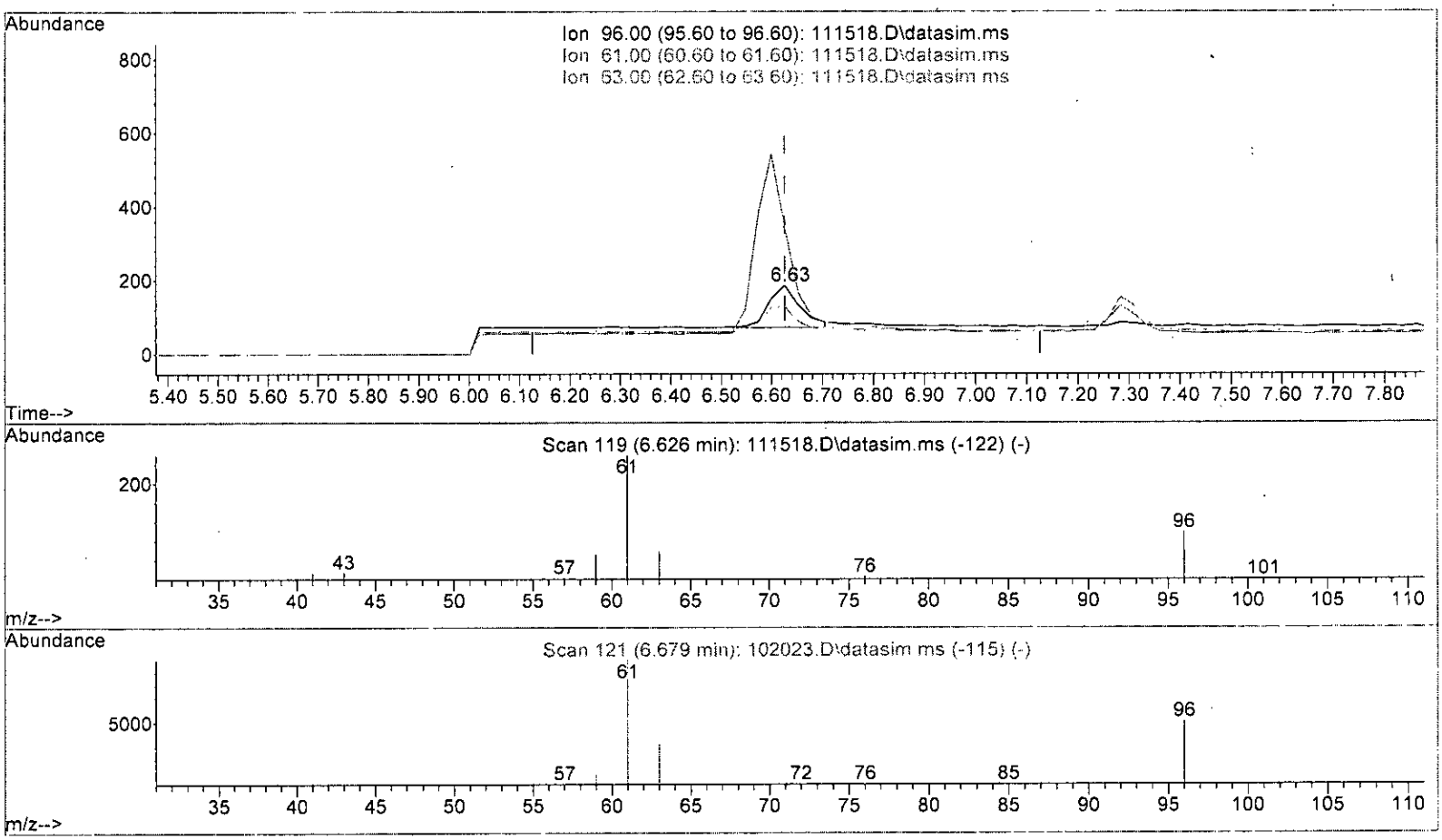
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.059 ppbv
response 617

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	255.75#
63.00	62.00	60.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

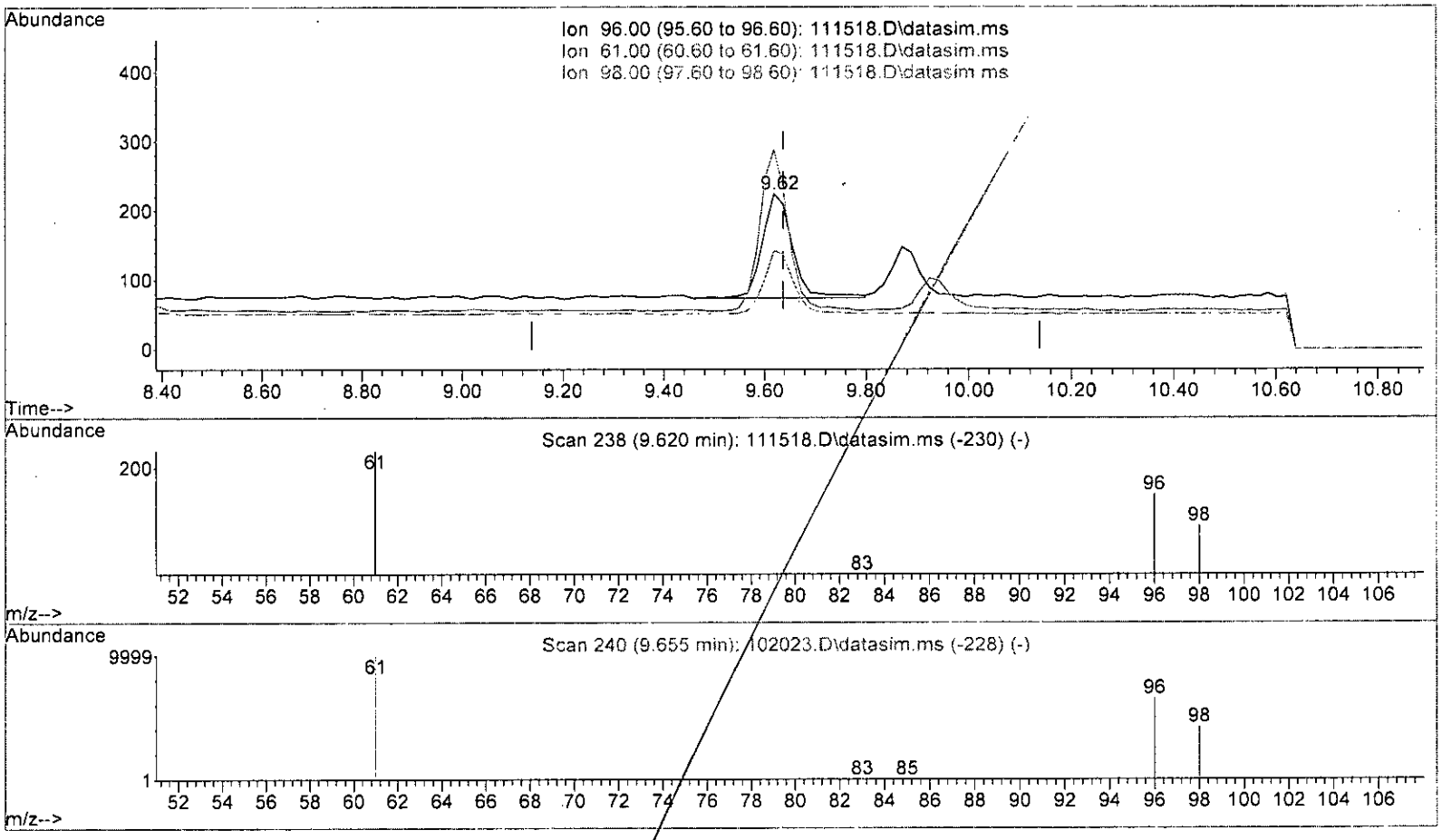
(18) 1,1-Dichloroethene (TMP)
6.626min (+ 0.000) 0.048 ppbv m
response 495

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	189.00	187.50
63.00	62.00	69.57
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(28) cis-1,2-Dichloroethene (TMP)

9.620min (-0.018) 0.058 ppbv

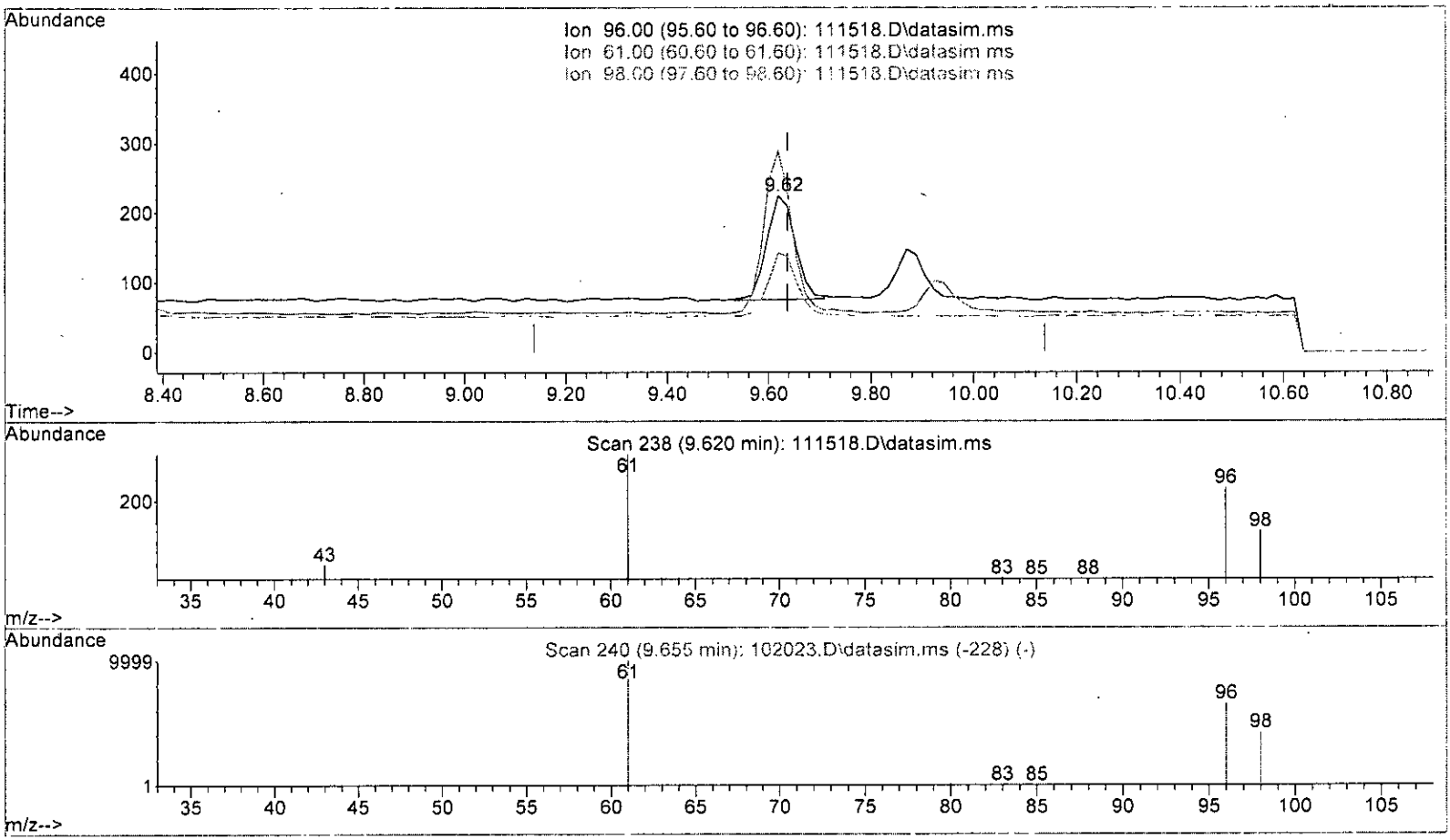
response 614

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	146.00	154.67
98.00	65.20	60.67
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(28) cis-1,2-Dichloroethene (TMP)

9.620min (-0.018) 0.054 ppbv m

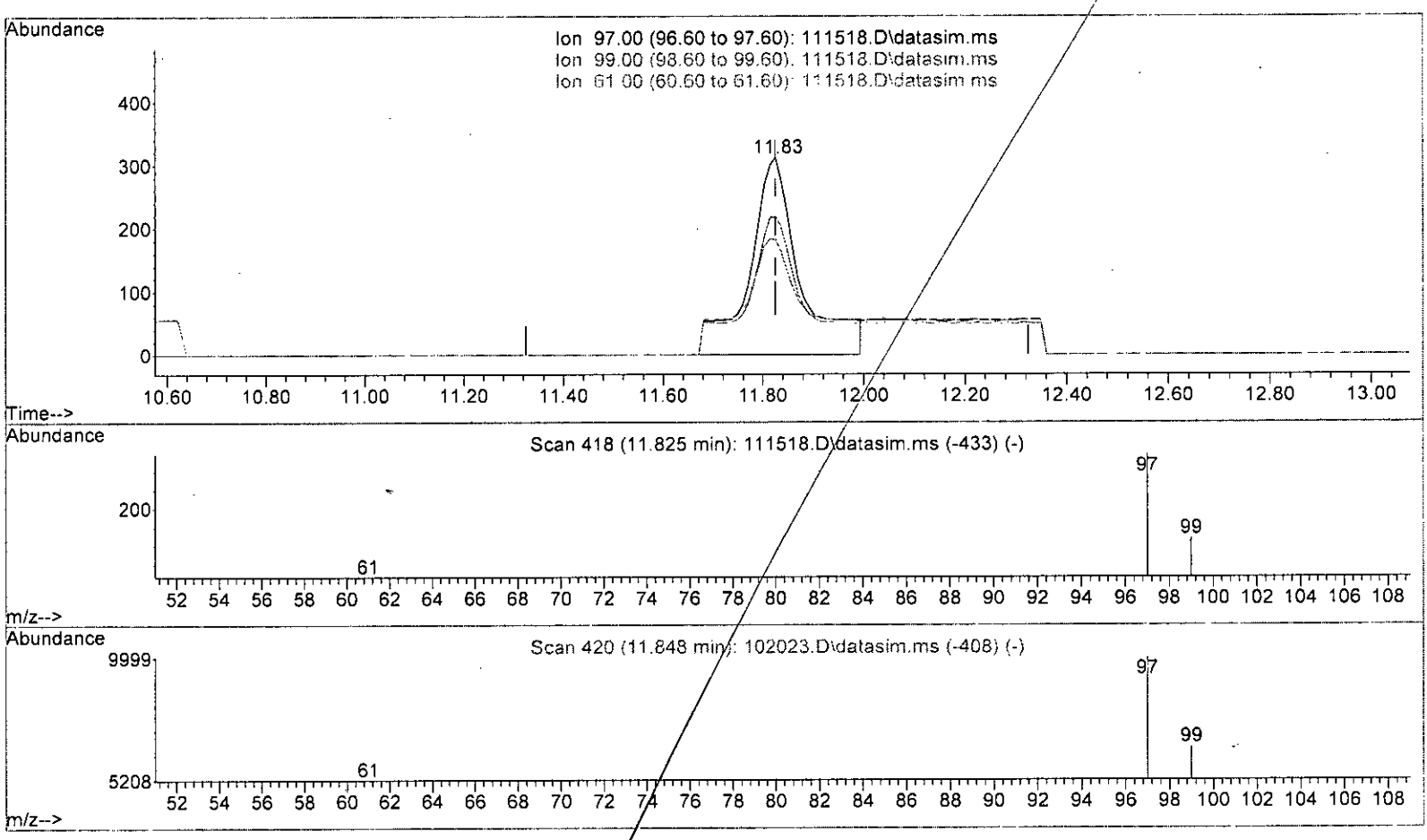
response 579

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	146.00	128.57
98.00	65.20	63.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.103 ppbv

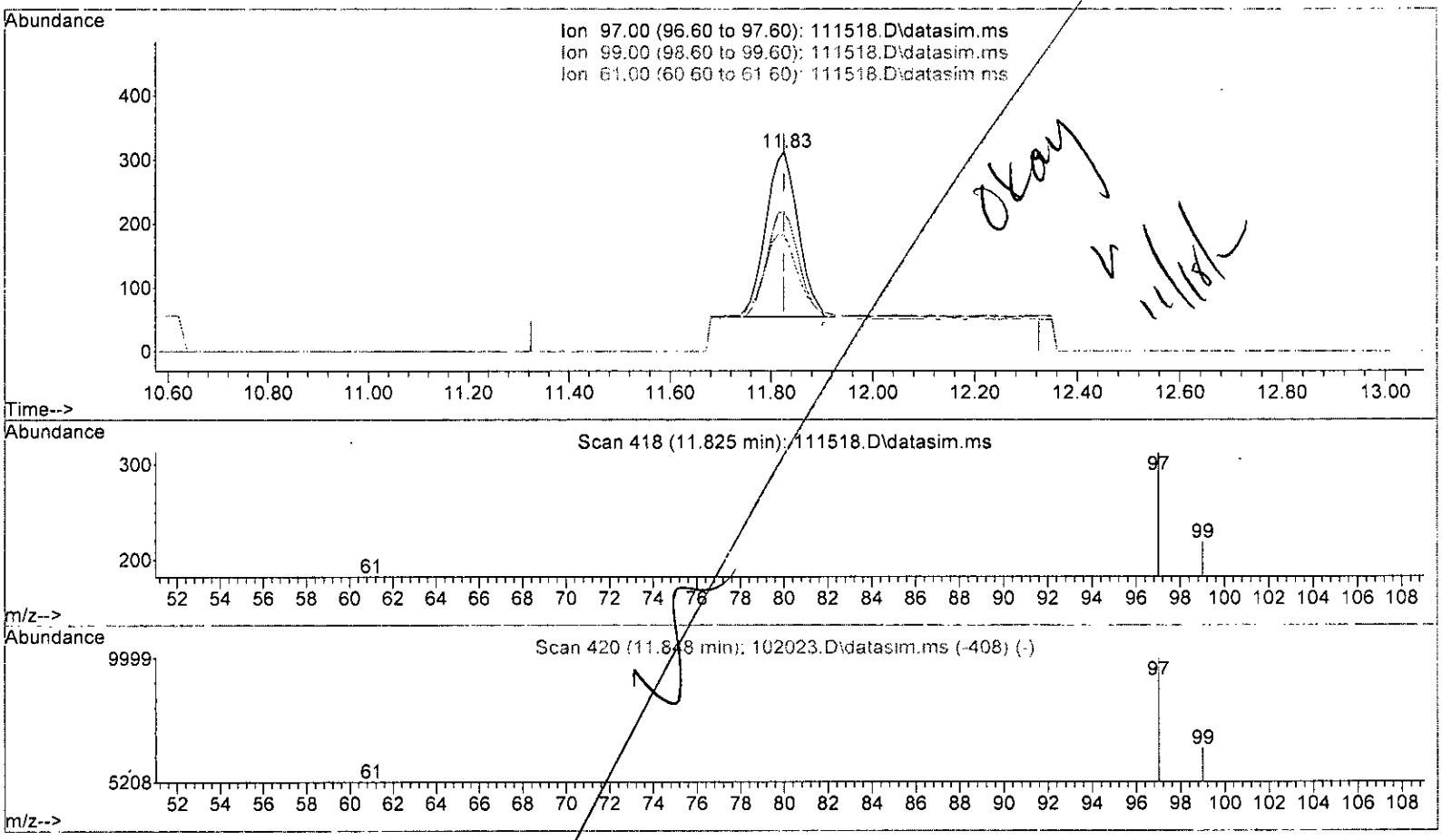
response 2175

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	69.87
61.00	49.30	58.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Okay
11/18/22

TIC: 111518.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.054 ppbv m

response 1144

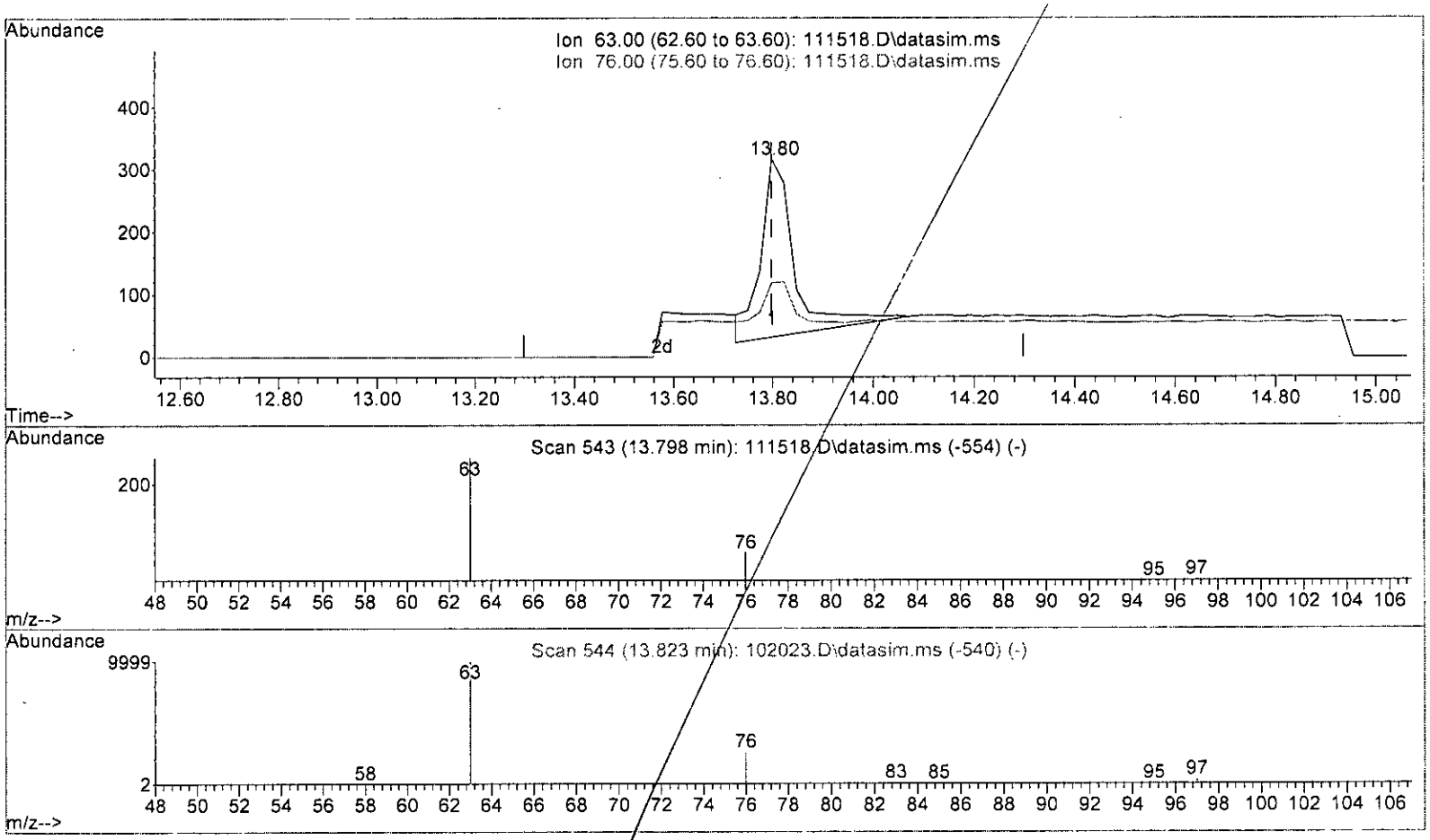
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	69.87
61.00	49.30	58.33
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

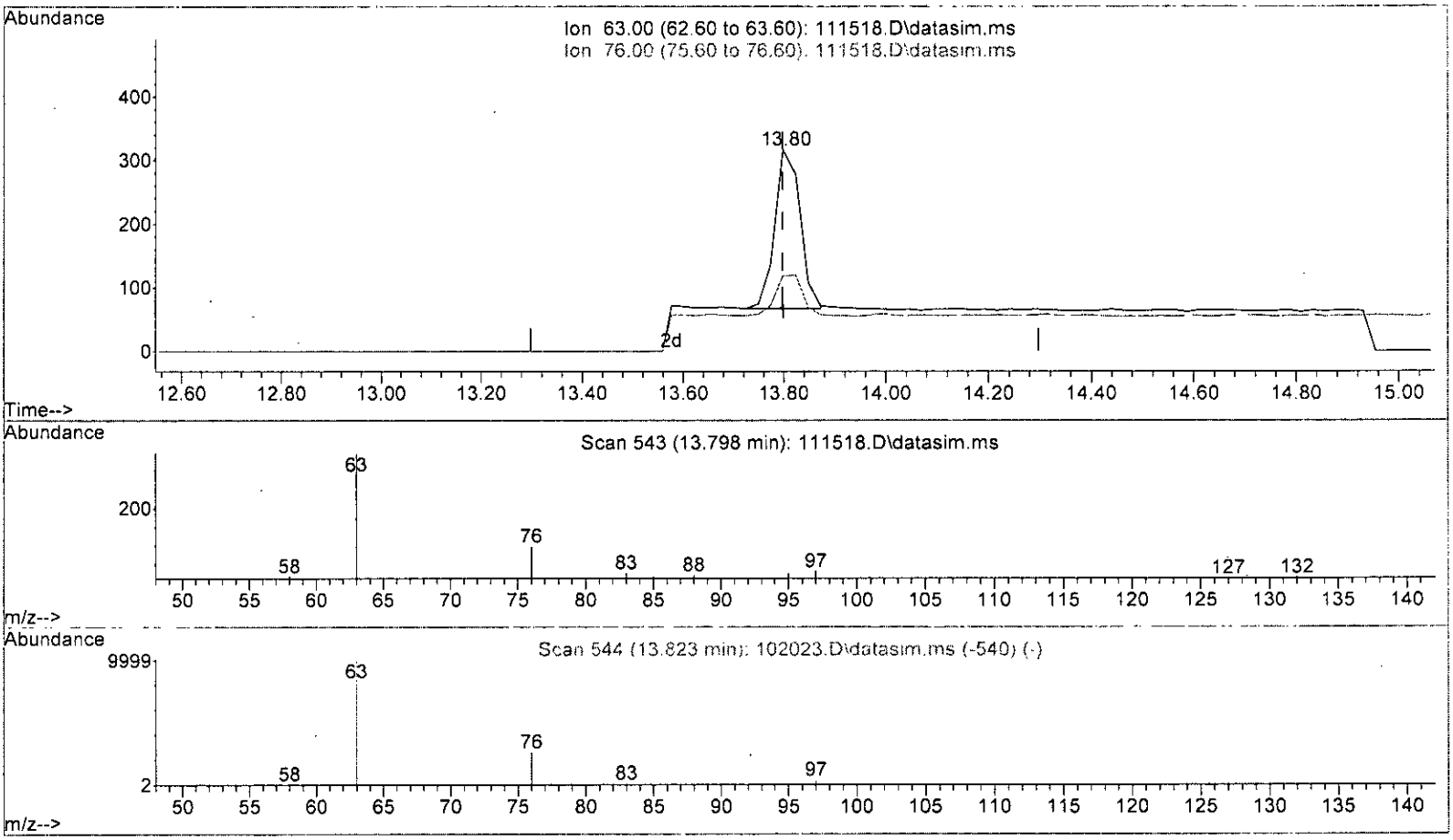
(40) 1,2-Dichloropropane (TMP)
13.798min (+ 0.000) 0.088 ppbv
response 1336

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	24.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.056 ppbv m

response 856

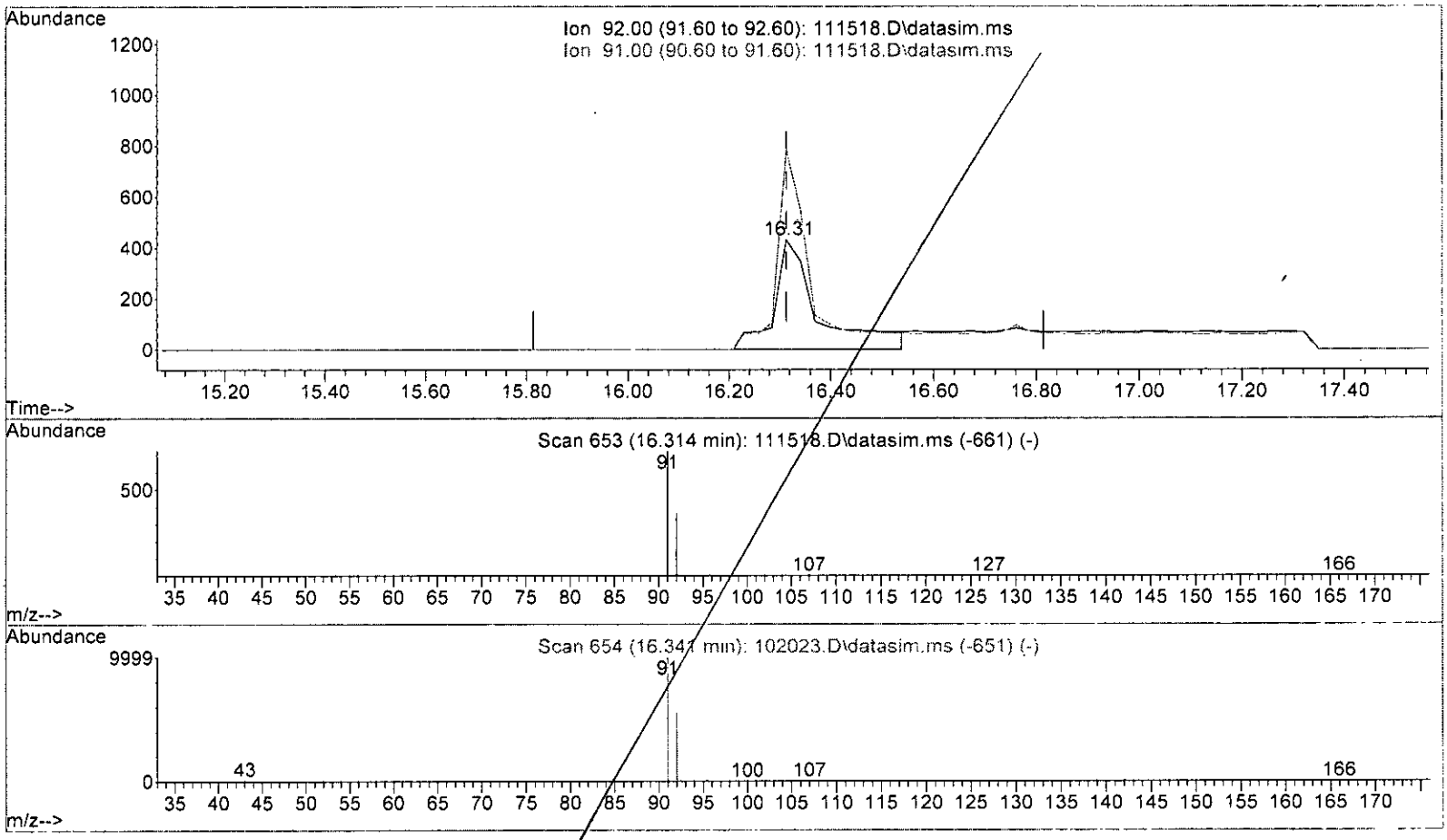
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	37.34
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(50) Toluene (TMP)
16.314min (-0.000) 0.127 ppbv
response 2526

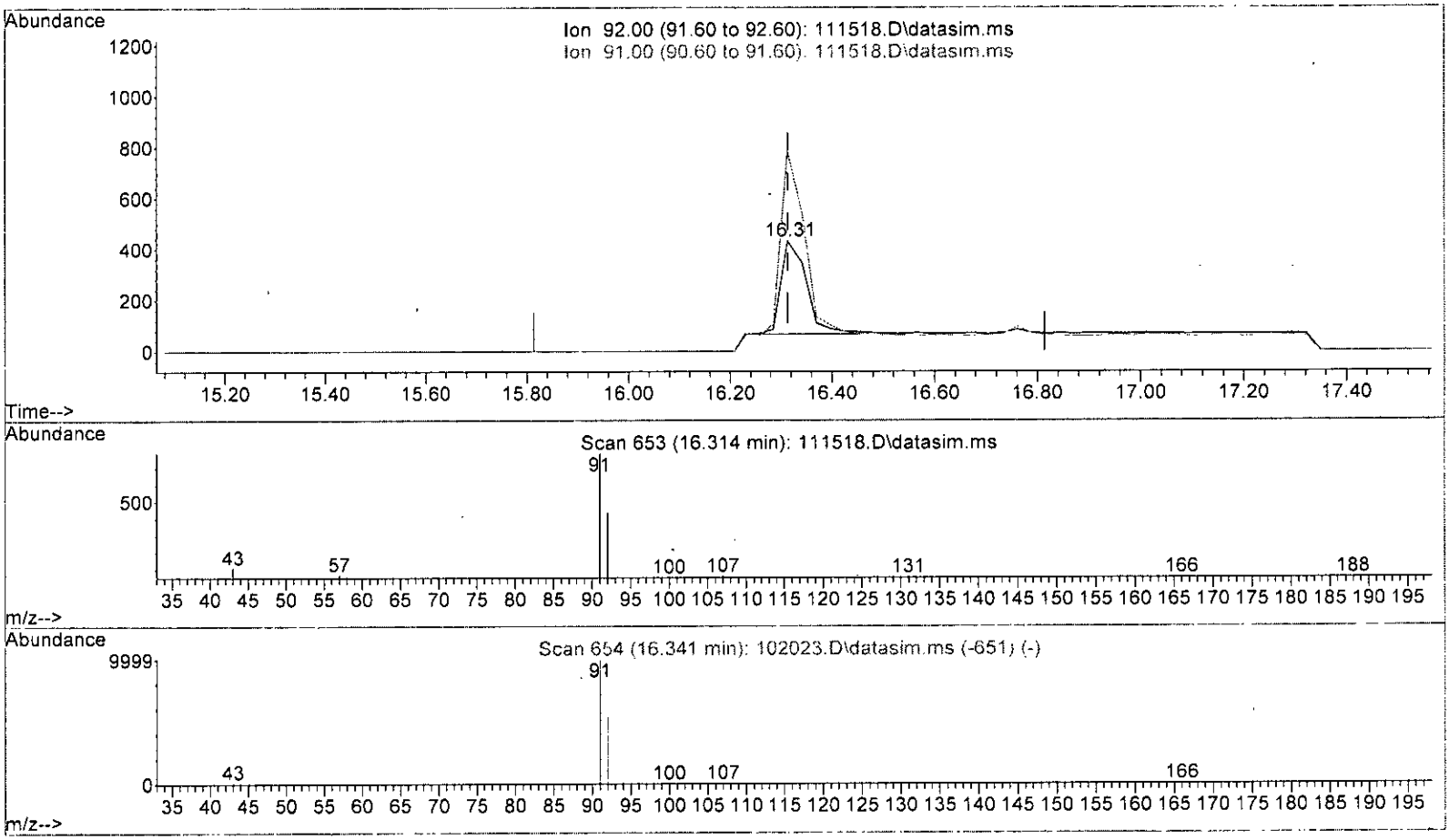
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	182.13
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.063 ppbv m

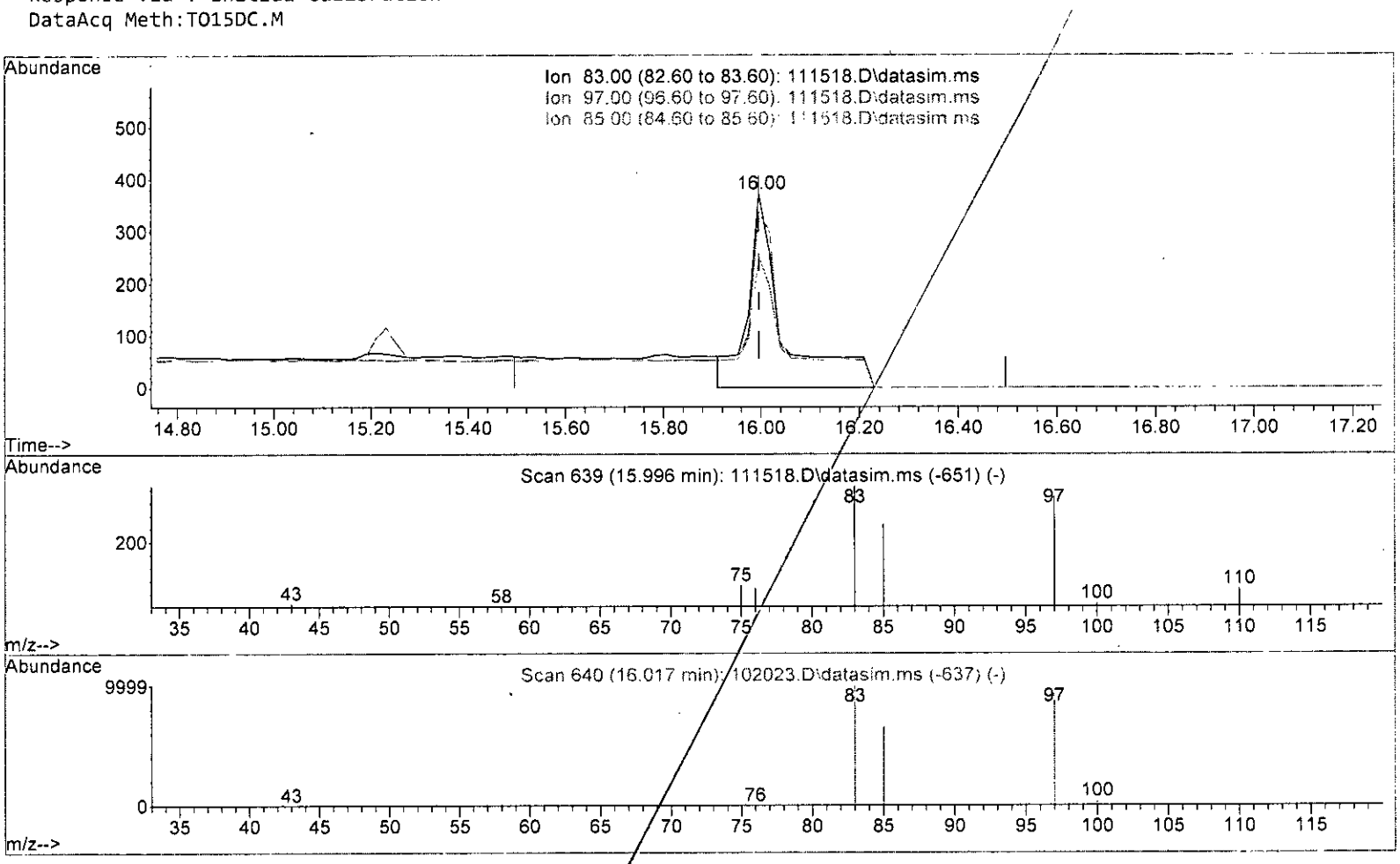
response 1263

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	182.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.122 ppbv

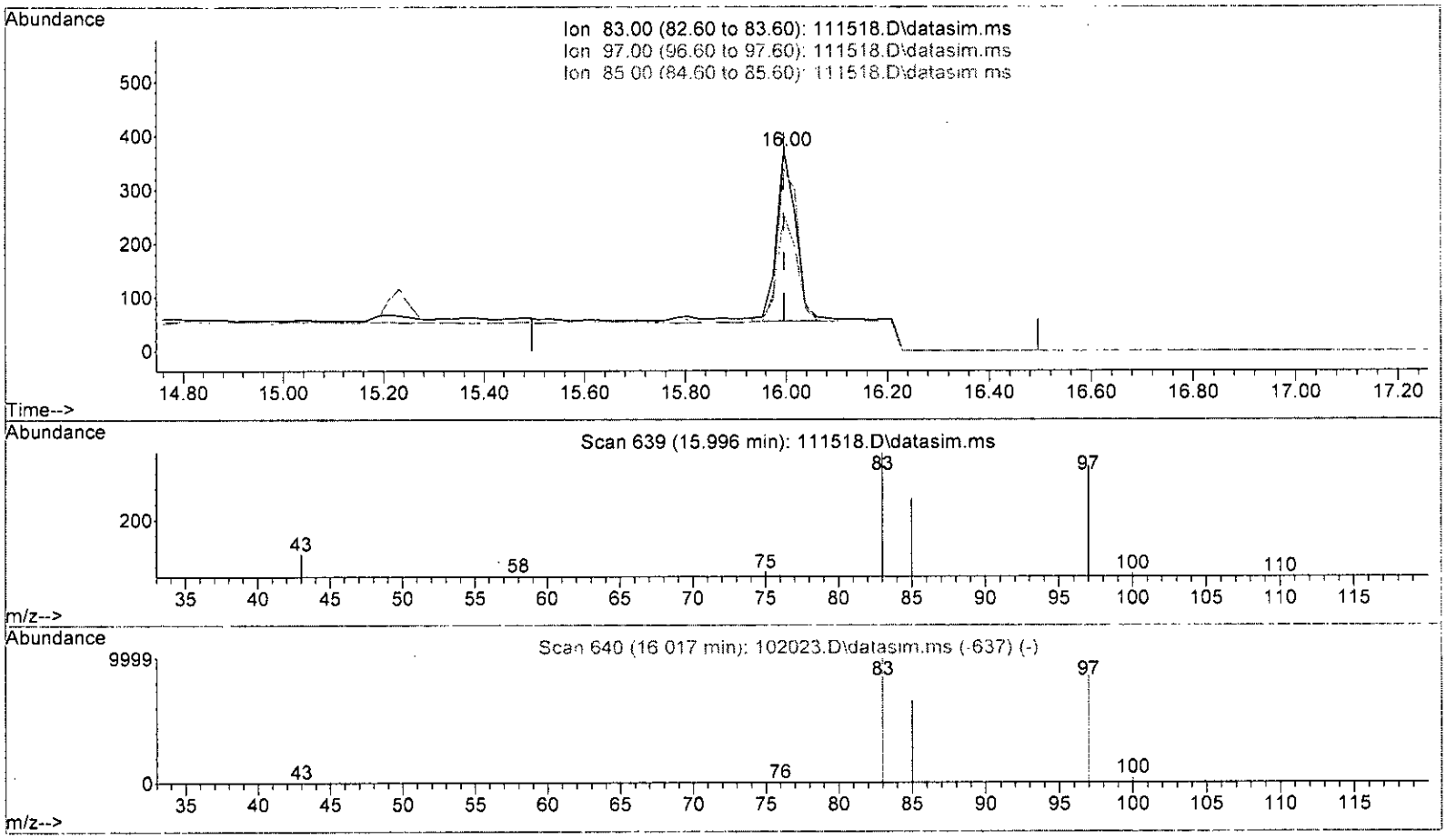
response 1887

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.59
85.00	60.50	68.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

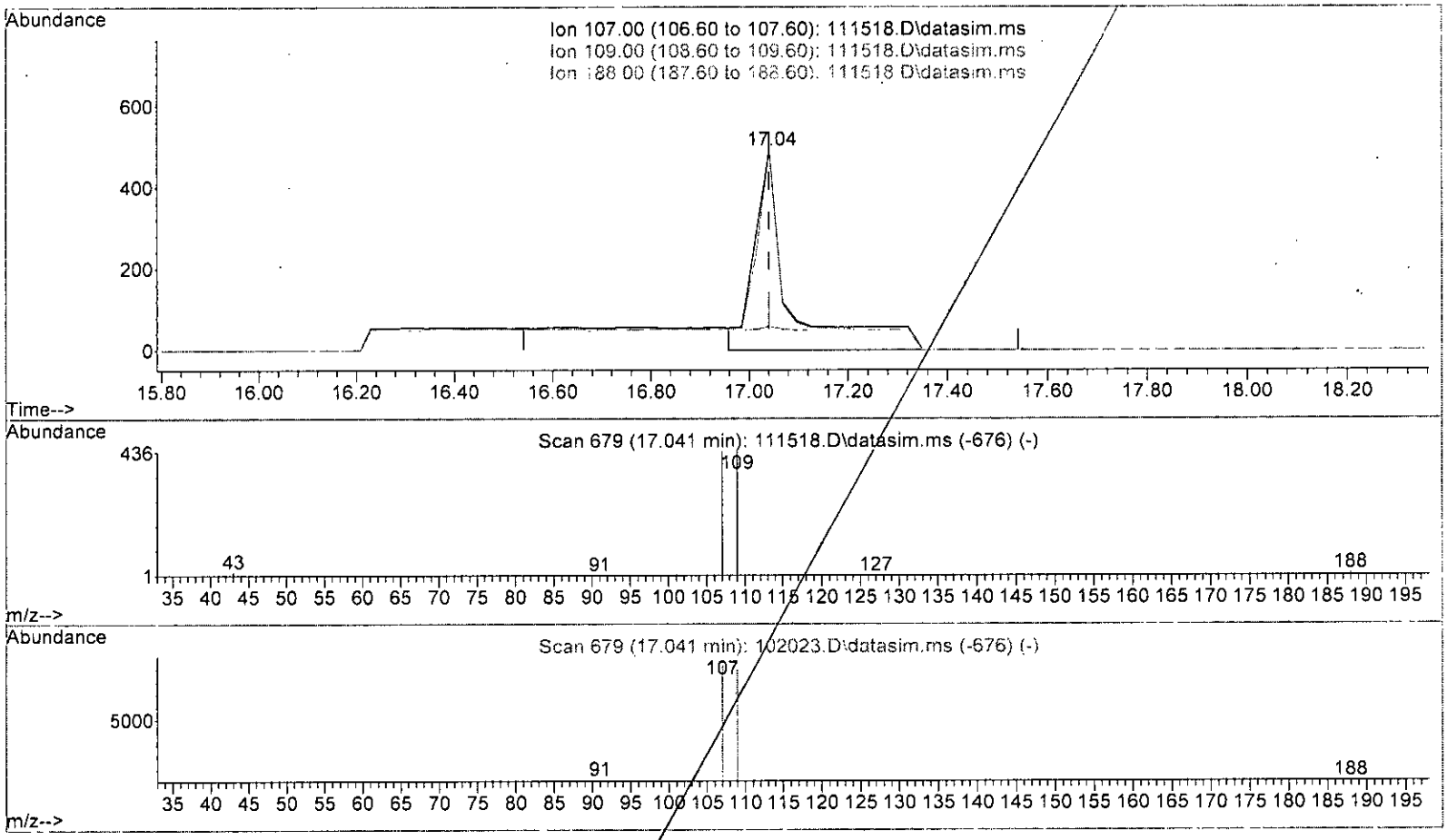
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.052 ppbv m
response 841

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.59
85.00	60.50	68.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.103 ppbv

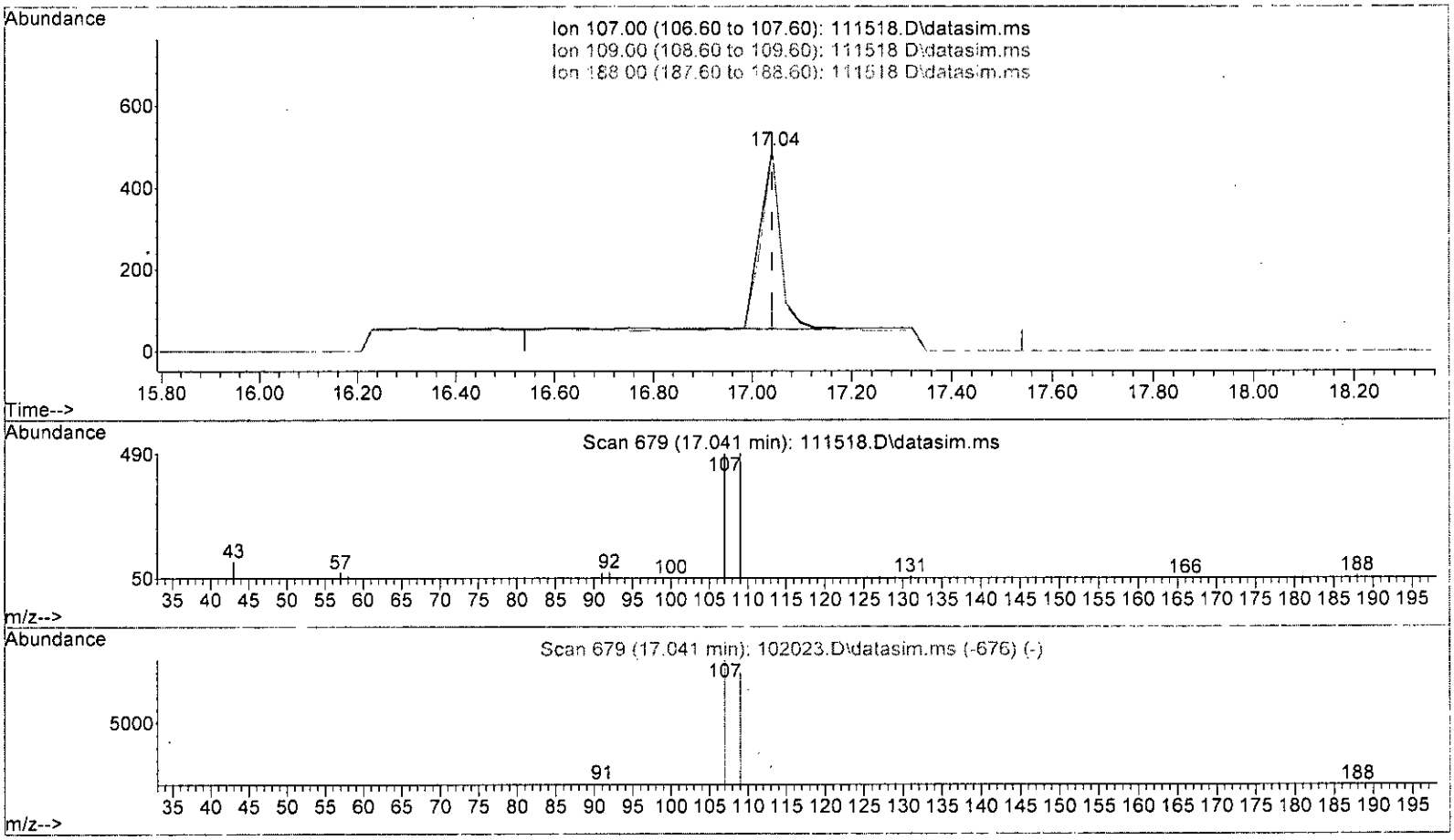
response 2373

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.59
188.00	2.70	11.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.052 ppbv m

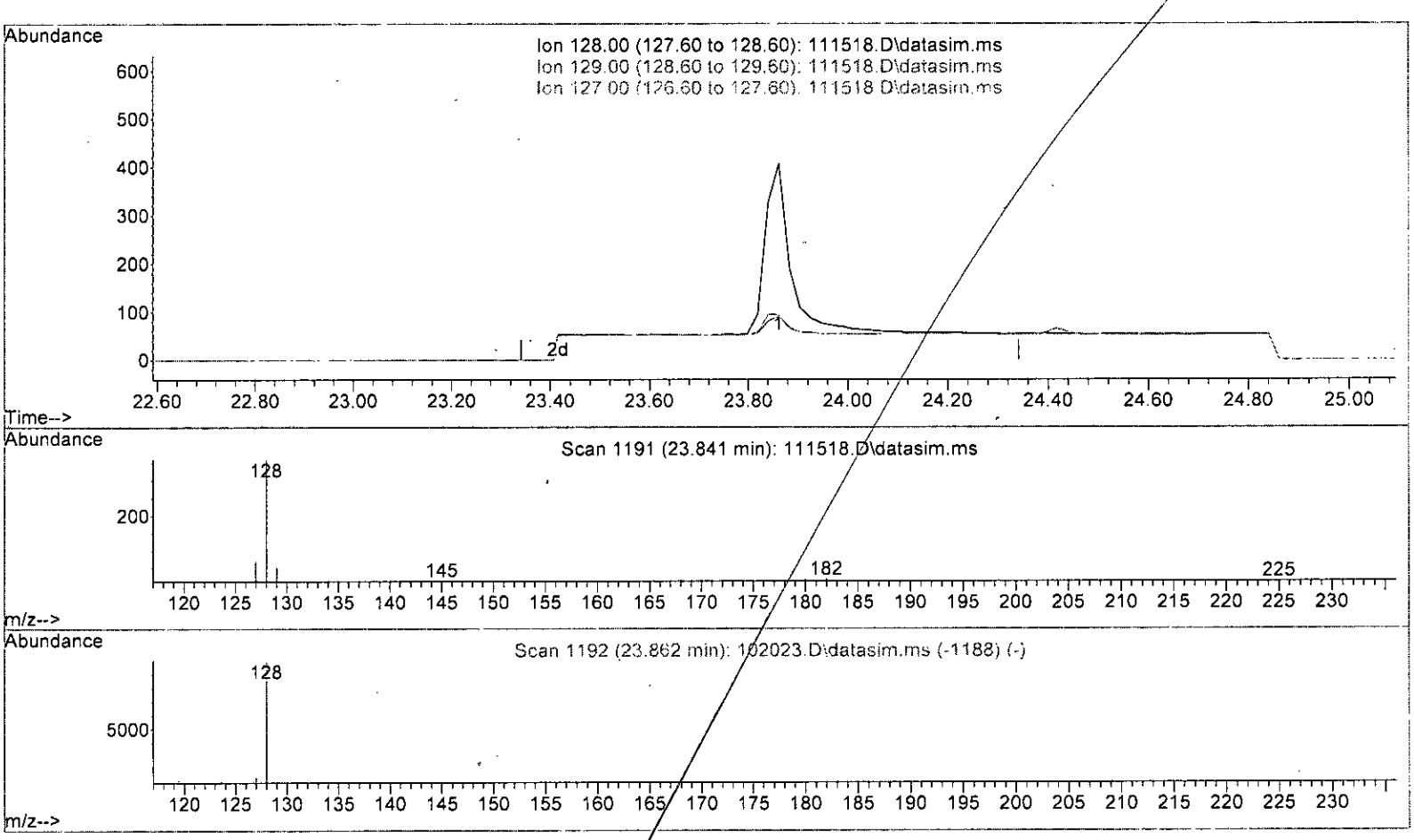
response 1266

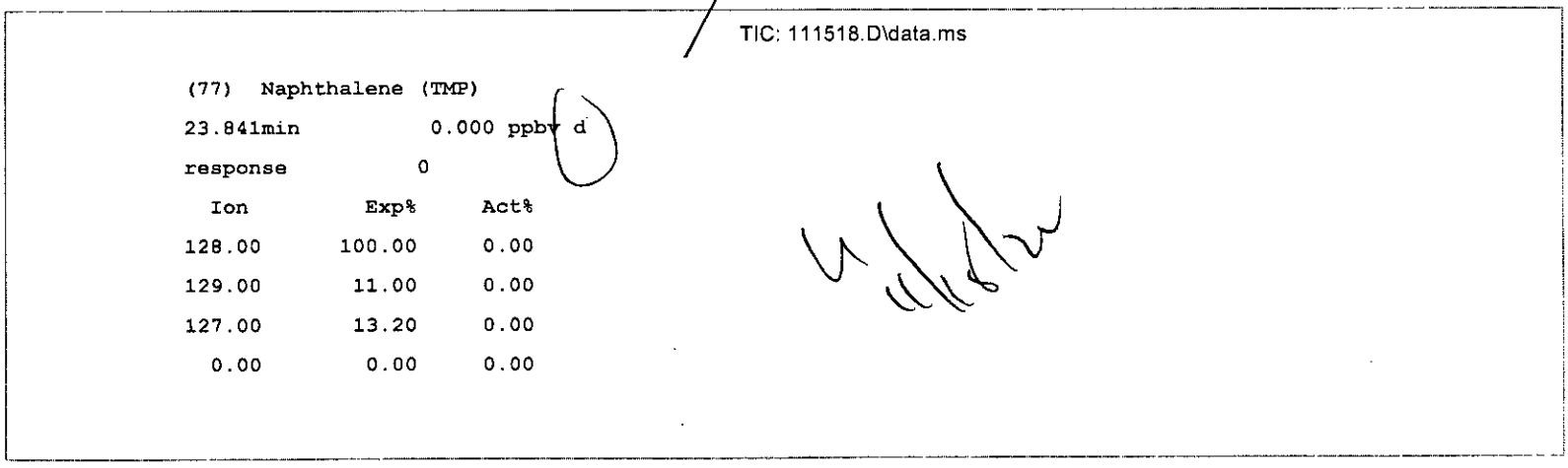
Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.59
188.00	2.70	11.81
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





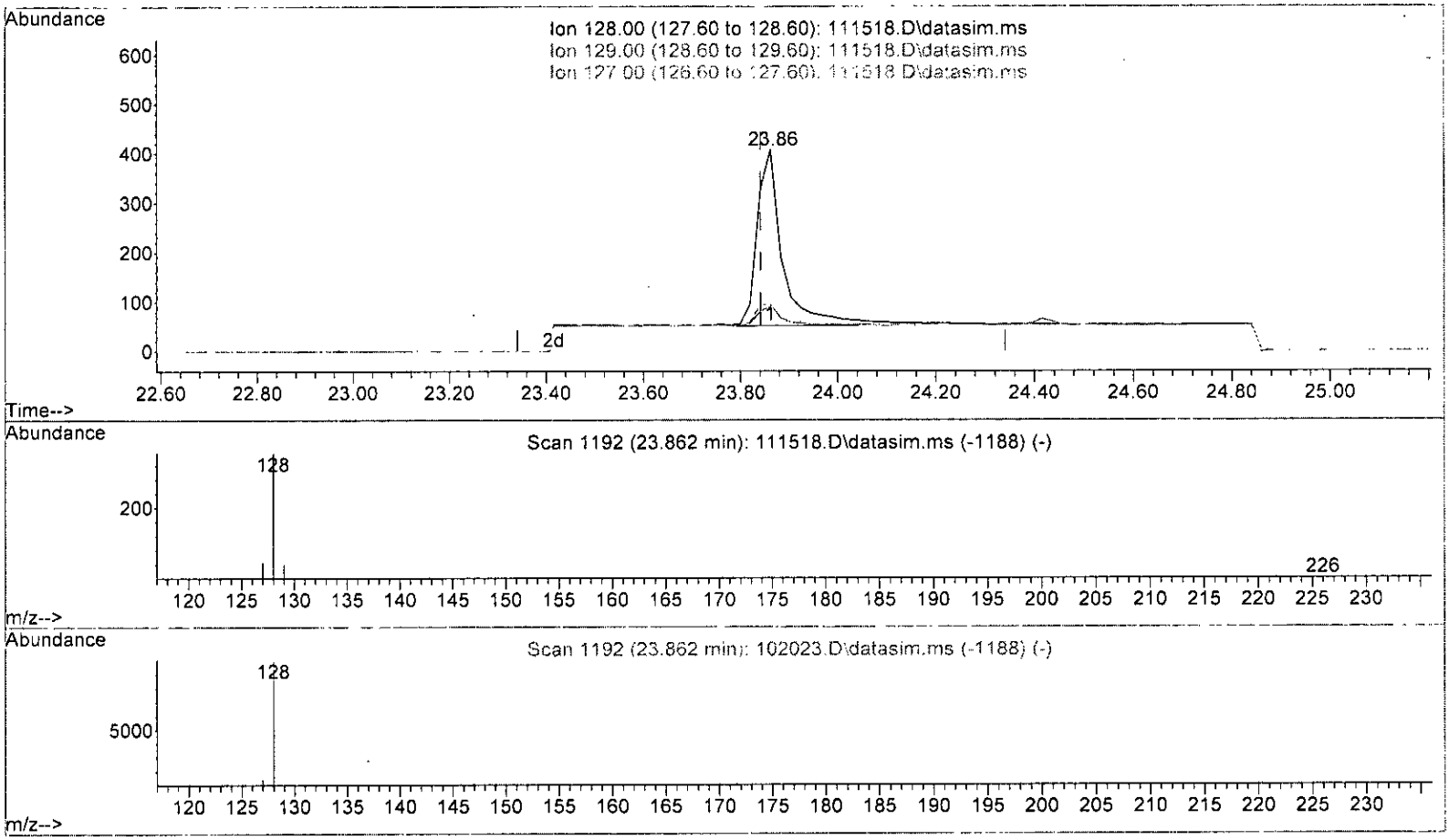
(77) Naphthalene (TMP)
23.841min 0.000 ppbv d
response 0

Ion	Exp%	Act%
128.00	100.00	0.00
129.00	11.00	0.00
127.00	13.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(77) Naphthalene (TMP)

23.862min (+ 0.021) 0.046 ppbv m

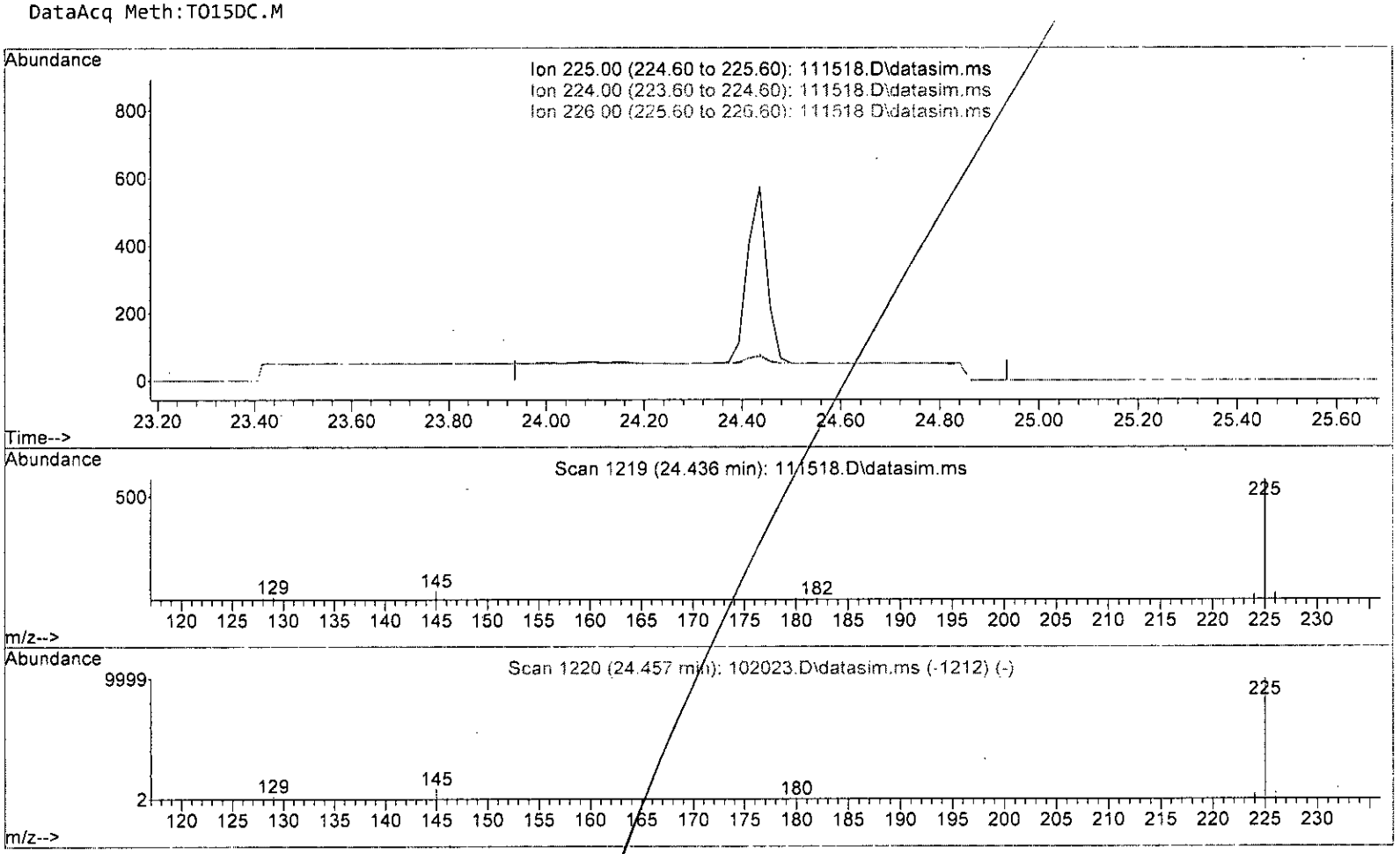
response 1321

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	22.36
127.00	13.20	23.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

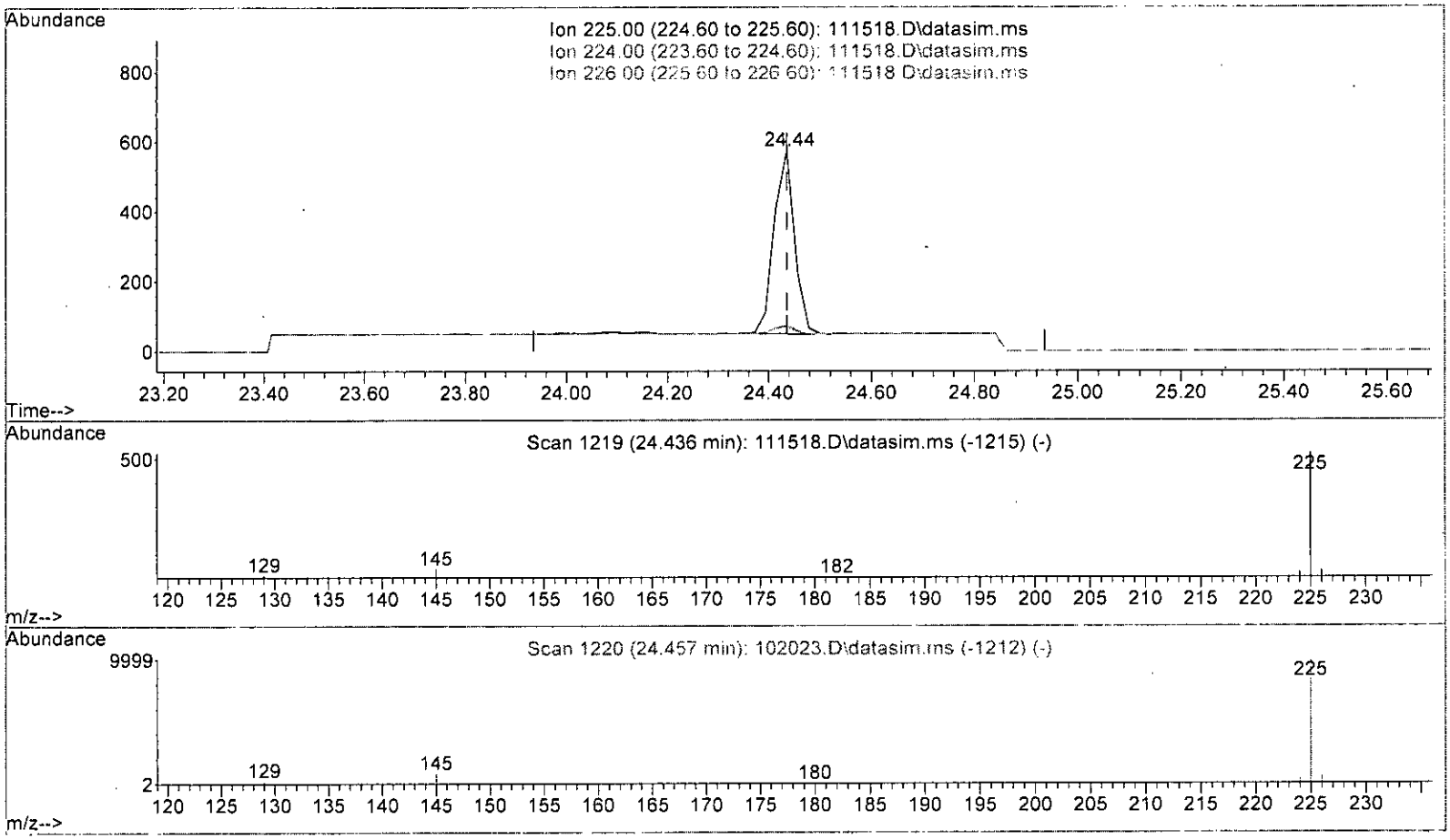
(78) Hexachlorobutadiene (TMP)
24.436min 0.000 ppbv d
response 0

Ion	Exp%	Act%
225.00	100.00	0.00
224.00	3.70	0.00
226.00	5.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111518.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min (+ 0.000) 0.055 ppbv m

response 1447

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	12.37
226.00	5.20	13.41
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63103	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	281669	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	250812	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	157021	9.034	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.30%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	3.49	85	1633	0.063	ppbv	76
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	3.84	85	1659	0.062	ppbv	72
6] Vinyl chloride	4.05	62	632	0.054	ppbv	90
7] 1,3-Butadiene	4.17	54	398m	0.052	ppbv	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.	d	
10) Chloroethane	0.00		0	N.D.	d	
11] Vinyl bromide	5.28	106	483m	0.048	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.38	56	304m	0.066	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	495m	0.048	ppbv	
19] trans-1,2-Dichloroethene	8.07	96	563	0.056	ppbv	90
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.12	101	1256	0.057	ppbv	88
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	1150	0.055	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	579m	0.054	ppbv	
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	1372	0.051	ppbv	99
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.34	62	867	0.049	ppbv	98
35] 1,1,1-Trichloroethane	11.83	97	1144m	0.054	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	856m	0.056	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

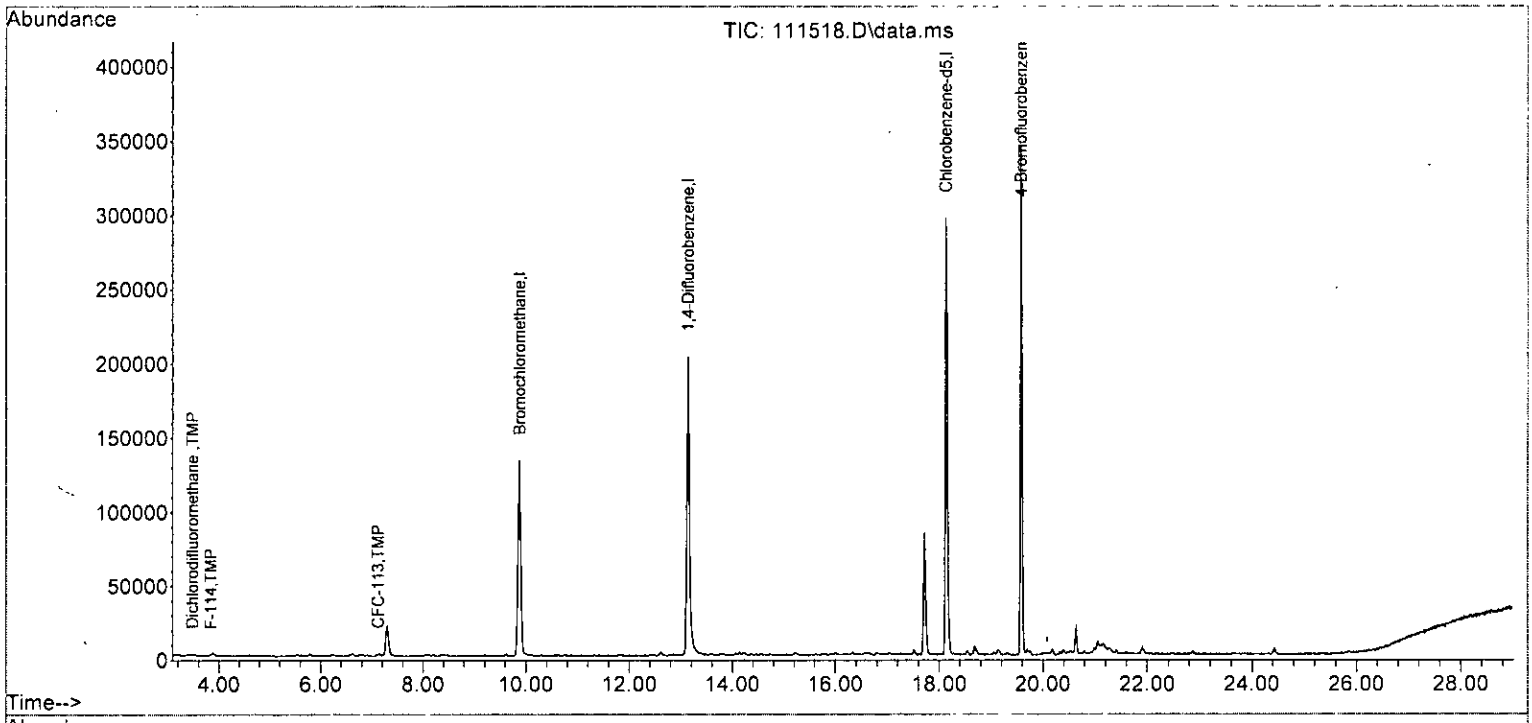
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.12	88	382	0.059	ppbv	85
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	945	0.057	ppbv	96
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49] trans-1,3-Dichloropropene	15.78	75	928	0.059	ppbv	83
50] Toluene	16.31	92	1263m	0.063	ppbv	
51] 1,1,2-Trichloroethane	16.00	83	841m	0.052	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	1266m	0.052	ppbv	
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.53	91	2518	0.049	ppbv	98
59] 1,1,2,2-Tetrachloroethane	19.13	83	1926	0.053	ppbv	92
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	1620	0.102	ppbv	98
66] o-Xylene	19.15	106	795	0.052	ppbv	100
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	1039	0.037	ppbv	96
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73] 1,3-Dichlorobenzene	20.98	146	1181	0.047	ppbv	97
74] 1,4-Dichlorobenzene	21.05	146	1098	0.046	ppbv	95
75] 1,2-Dichlorobenzene	21.41	146	1211	0.047	ppbv	97
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
77] Naphthalene	23.86	128	1321m	0.046	ppbv	
78] Hexachlorobutadiene	24.44	225	1447m	0.055	ppbv	

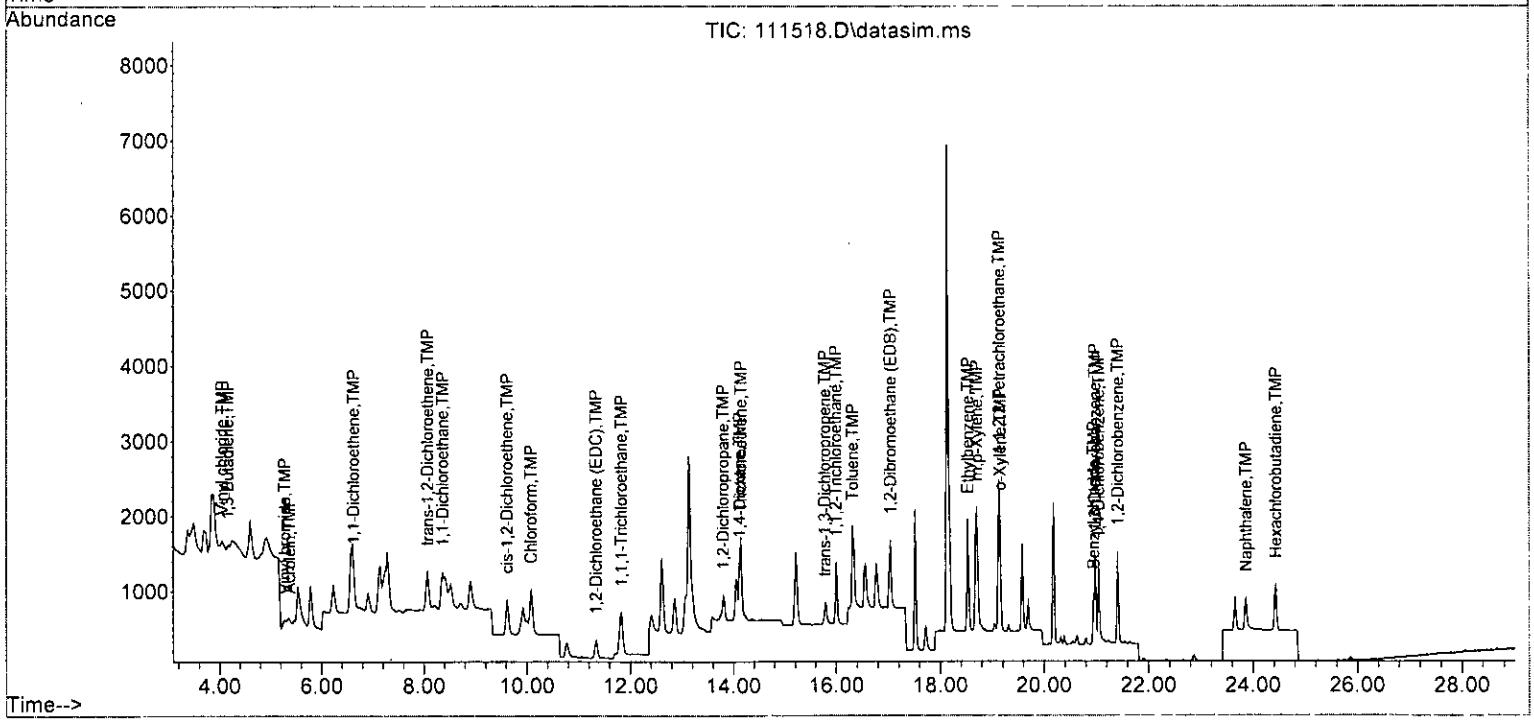
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	0.050	0.063	-26.0	100	0.00
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.73#
5	TMP	F-114	0.050	0.062	-24.0	100	-0.04
6	TMP	Vinyl chloride	0.050	0.054	-8.0	100	-0.04
7	TMP	1,3-Butadiene	0.050	0.052	-4.0	96	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.84#
11	TMP	Vinyl bromide	0.050	0.048	4.0	91	-0.04
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.050	0.066	-32.0#	111	-0.04
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.050	0.048	4.0	79	0.00
19	TMP	trans-1,2-Dichloroethene	0.050	0.056	-12.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	0.050	0.057	-14.0	100	-0.03
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.050	0.055	-10.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.050	0.054	-8.0	94	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.050	0.051	-2.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.75#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	0.050	0.049	2.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.050	0.054	-8.0	97	0.00
36	TMP	Carbon tetrachloride	0.050	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.050	0.000	100.0#	0	-12.61#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.050	0.056	-12.0	96	0.00
41	TMP	1,4-Dioxane	0.050	0.059	-18.0	100	0.02
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.050	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.050	0.057	-14.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.20#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.050	0.059	-18.0	100	0.00
50	TMP	Toluene	0.050	0.063	-26.0	109	0.00
51	TMP	1,1,2-Trichloroethane	0.050	0.052	-4.0	104	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.52#
54	TMP	Dibromochloromethane	0.050	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.050	0.052	-4.0	96	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.19#
58	TMP	Ethylbenzene	0.050	0.049	2.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.050	0.053	-6.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.70#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.19#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.100	0.102	-2.0	100	0.00
66	TMP	o-Xylene	0.050	0.052	-4.0	100	0.00
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.05#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.034	9.7	100	0.00
70	TMP	Benzyl chloride	0.050	0.037	26.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.39#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.80#
73	TMP	1,3-Dichlorobenzene	0.050	0.047	6.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.050	0.046	8.0	101	0.00
75	TMP	1,2-Dichlorobenzene	0.050	0.047	6.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	0.050	0.046	8.0	102	0.02
78	TMP	Hexachlorobutadiene	0.050	0.055	-10.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.123	5.176	-25.5	100	0.00
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	5.258	-24.7	100	-0.04
6	TMP	Vinyl chloride	1.851	2.003	-8.2	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.261	-3.7	96	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.655	0.000#	100.0#	0#	-4.84#
11	TMP	Vinyl bromide	1.609	1.531	4.8	91	-0.04
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.964	-32.2#	111	-0.04
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.569	4.6	79	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.784	-11.6	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	3.981	-14.8	100	-0.03
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.645	-9.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.835	-8.6	94	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	4.348	-7.1	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	0.000	100.0#	0#	-10.75#
33	TMP	2-Butanone (MEK)	0.619	0.000	100.0#	0#	-8.91#
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.748	-2.3	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.626	-8.5	97	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	0.000#	100.0#	0#	-12.61#
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.608	-12.4	96	0.00
41	TMP	1,4-Dioxane	0.230	0.271	-17.8	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111518.D
Acq On : 16 Nov 2022 5:11 am
Operator : bat
Sample : 0.05 ppbv 67-196D
Misc : T4, 250cc of 0.05ppbv
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:05:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

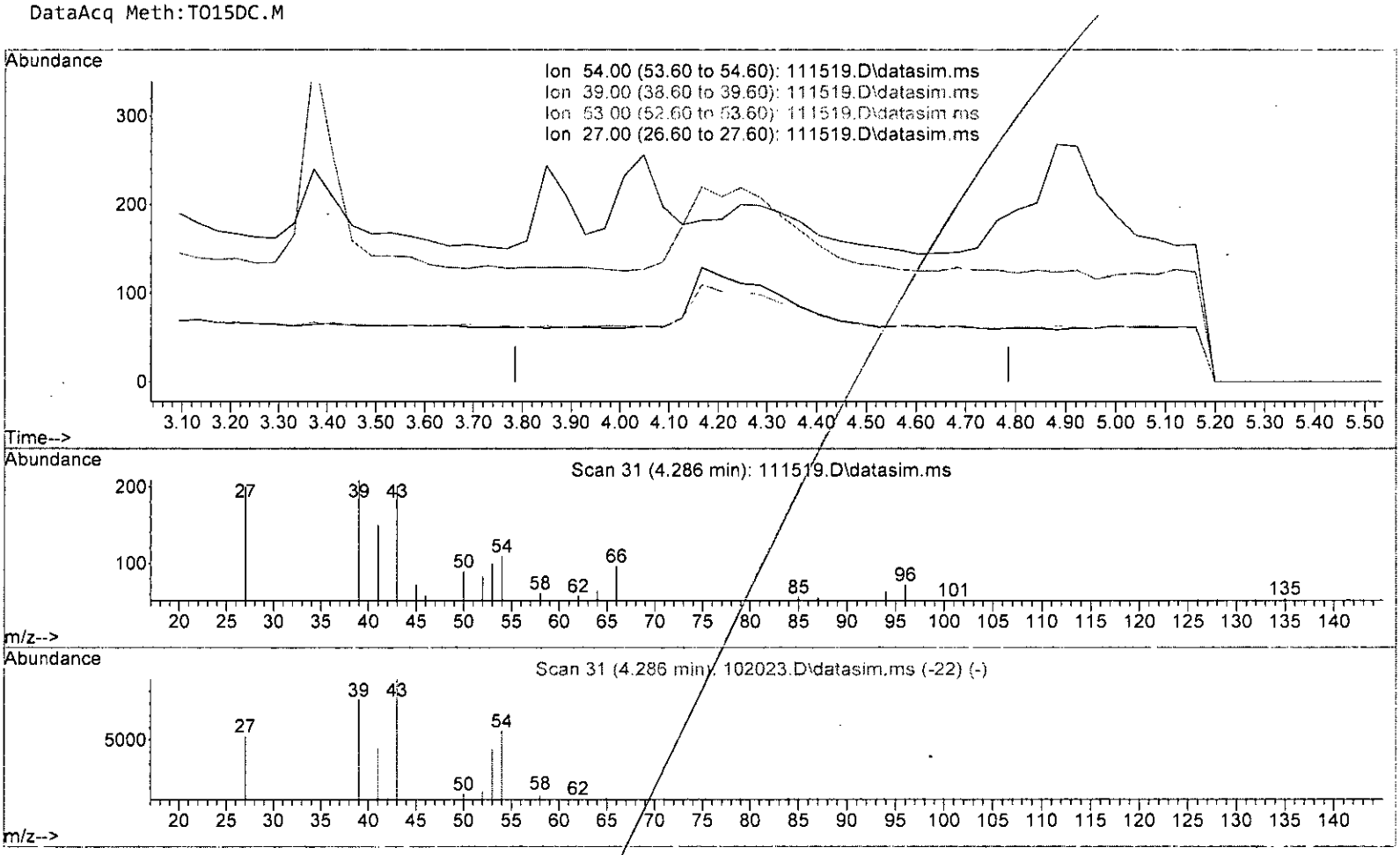
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.671	-13.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.000	100.0#	0#	-15.20#
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.659	-17.1	100	0.00
50	TMP	Toluene	0.707	0.897	-26.9	109	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.597	-8.5	104	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.000#	100.0#	0#	-17.52#
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.899	-9.1	96	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	0.000#	100.0#	0#	-18.19#
58	TMP	Ethylbenzene	1.968	2.008	-2.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.536	-10.2	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	0.000	100.0#	0#	-19.70#
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	0.000	100.0#	0#	-20.19#
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.646	-2.1	100	0.00
66	TMP	o-Xylene	0.615	0.634	-3.1	100	0.00
67	TMP	Styrene	0.819	0.000#	100.0#	0#	-19.05#
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.626	9.7	100	0.00
70	TMP	Benzyl chloride	0.987	0.829	16.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	0.000	100.0#	0#	-20.39#
72	TMP	1,2,4-Trimethylbenzene	1.247	0.000	100.0#	0#	-20.80#
73	TMP	1,3-Dichlorobenzene	1.012	0.942	6.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.876	7.5	101	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.966	5.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	1.132	1.053	7.0	102	0.02
78	TMP	Hexachlorobutadiene	1.045	1.154	-10.4	100	0.00

(#) = Out of Range SPCC's out = 17 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

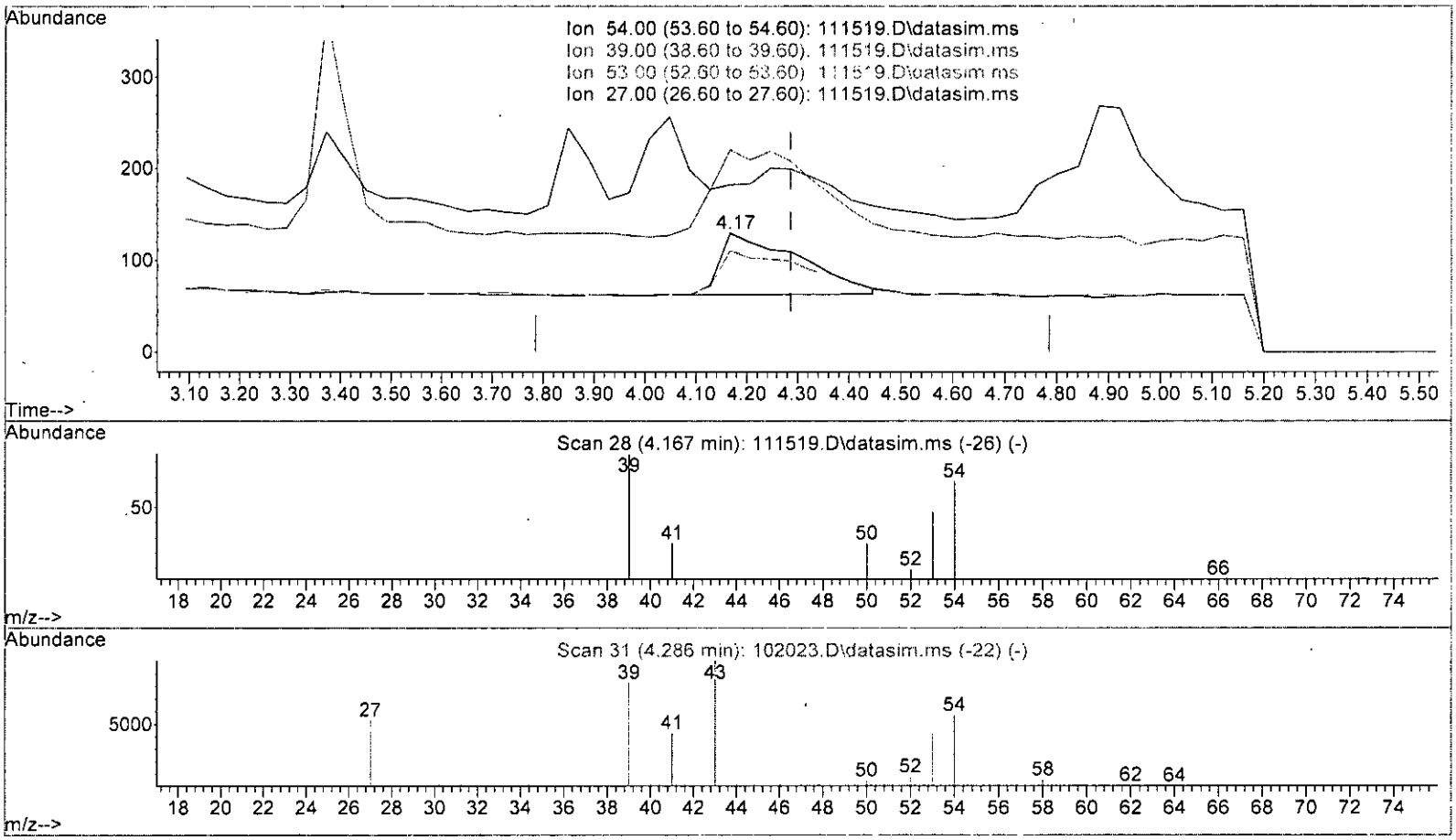
(7) 1,3-Butadiene (TMP)
4.286min (-4.286) 0.000 ppbv
response 0

Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(7) 1,3-Butadiene (TMP)

4.167min (-0.119) 0.096 ppbv m

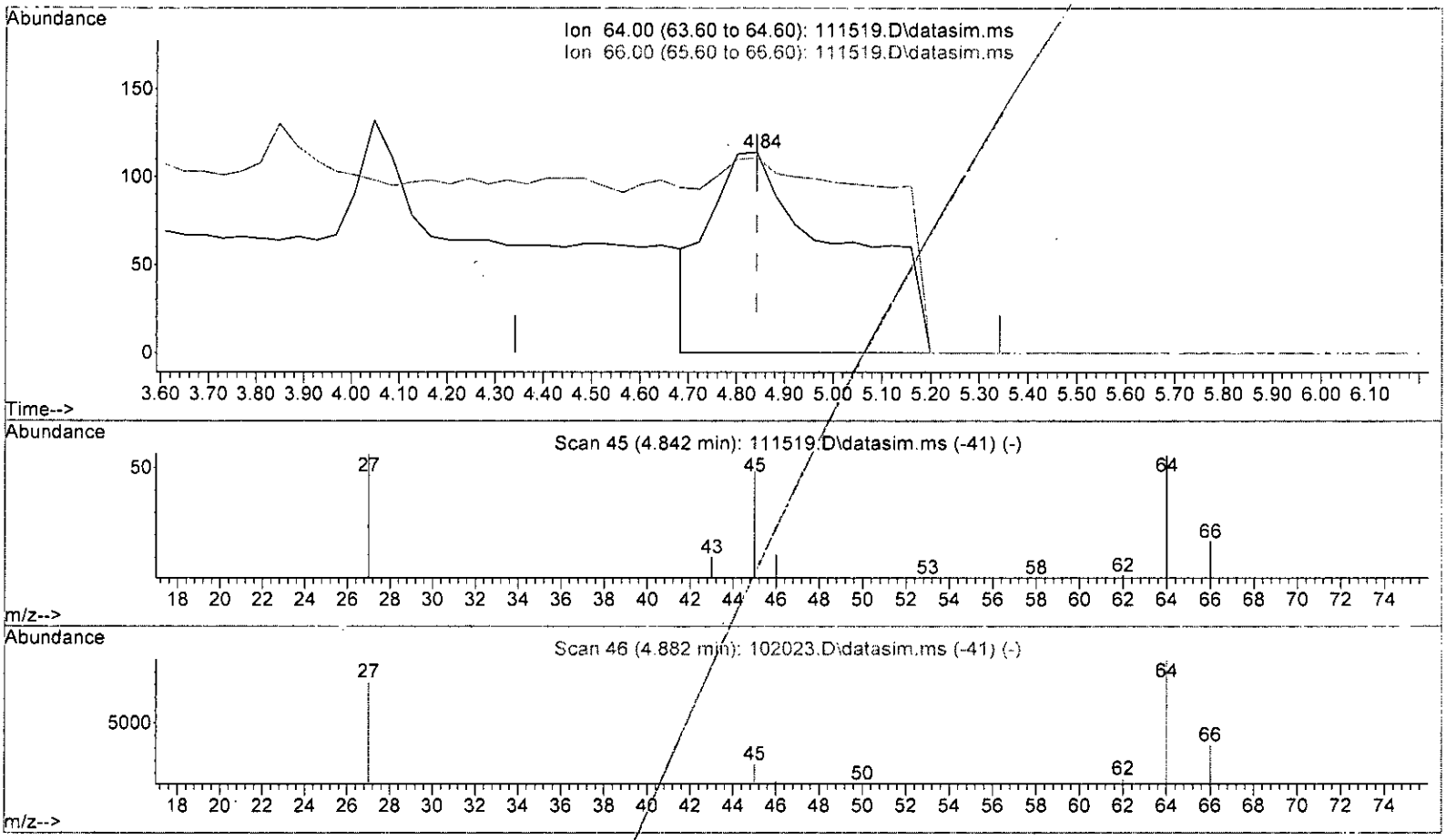
response 728

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	170.54#
53.00	72.40	85.27
27.00	0.00	141.09#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 0.512 ppbv

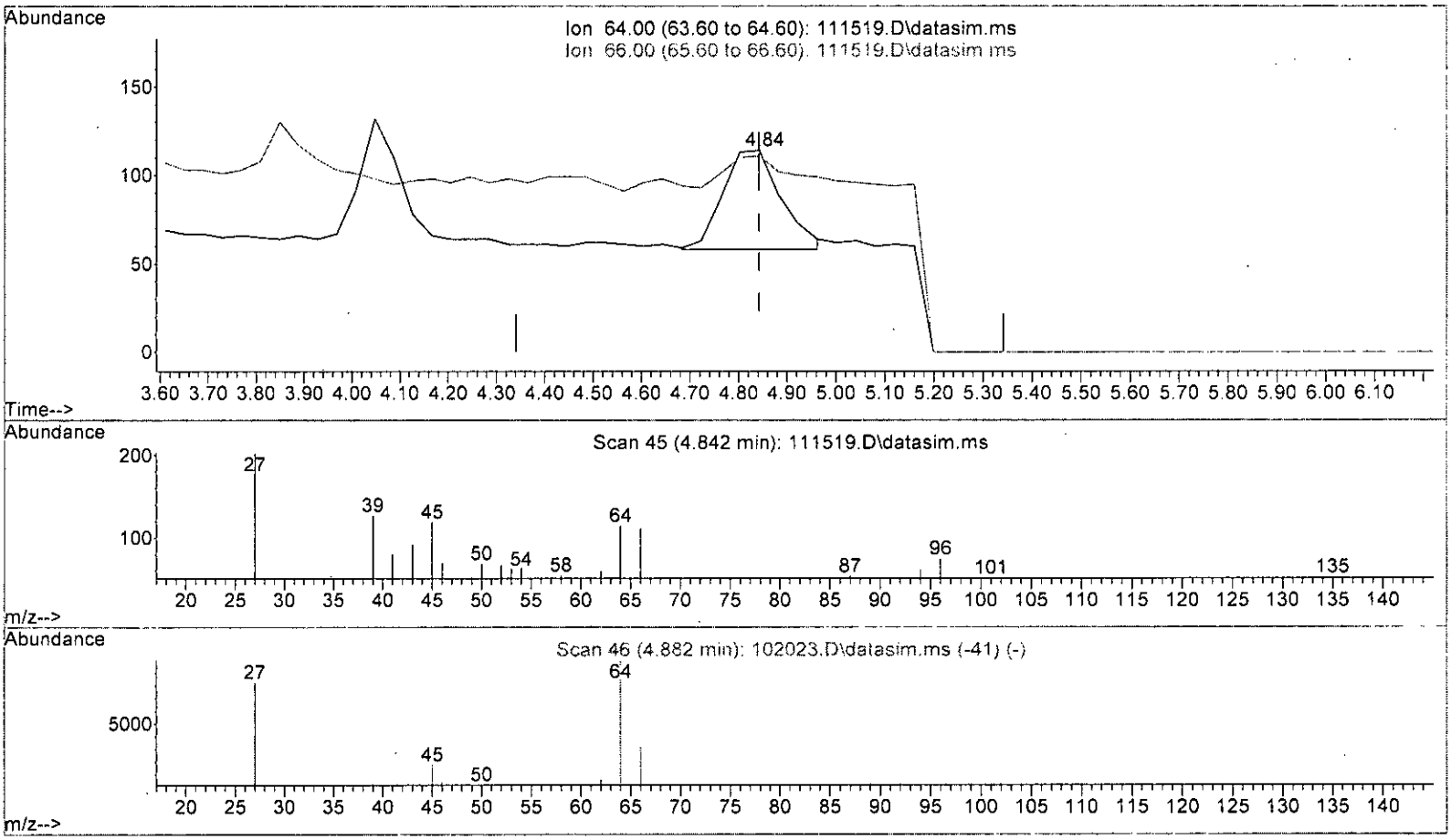
response 2089

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	97.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 0.115 ppbv m

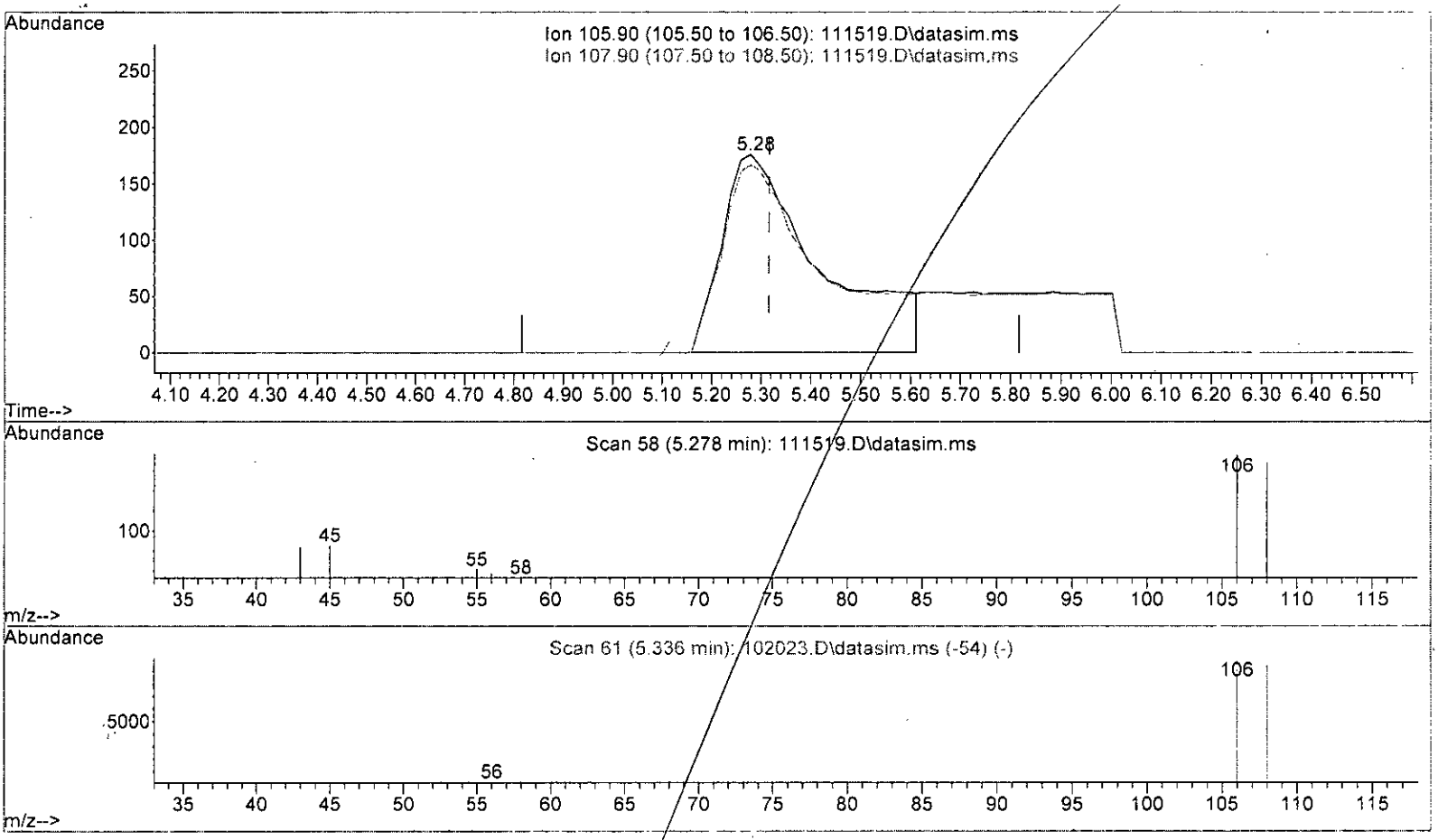
response 470

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	97.37#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

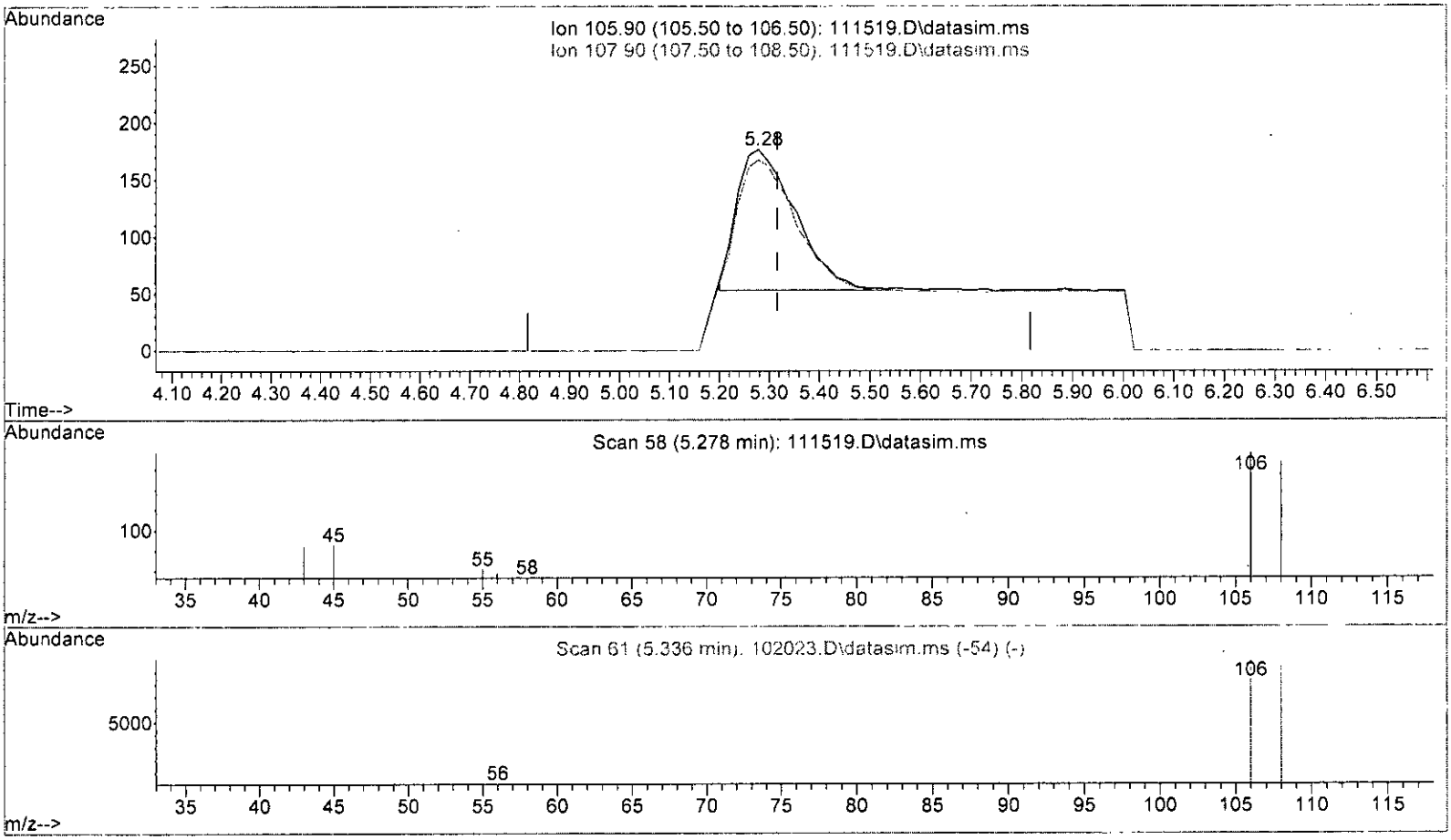
(11) Vinyl bromide (TMP)
5.278min (-0.039) 0.259 ppbv
response 2596

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	107.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(11) Vinyl bromide (TMP)

5.278min (-0.039) 0.100 ppbv m

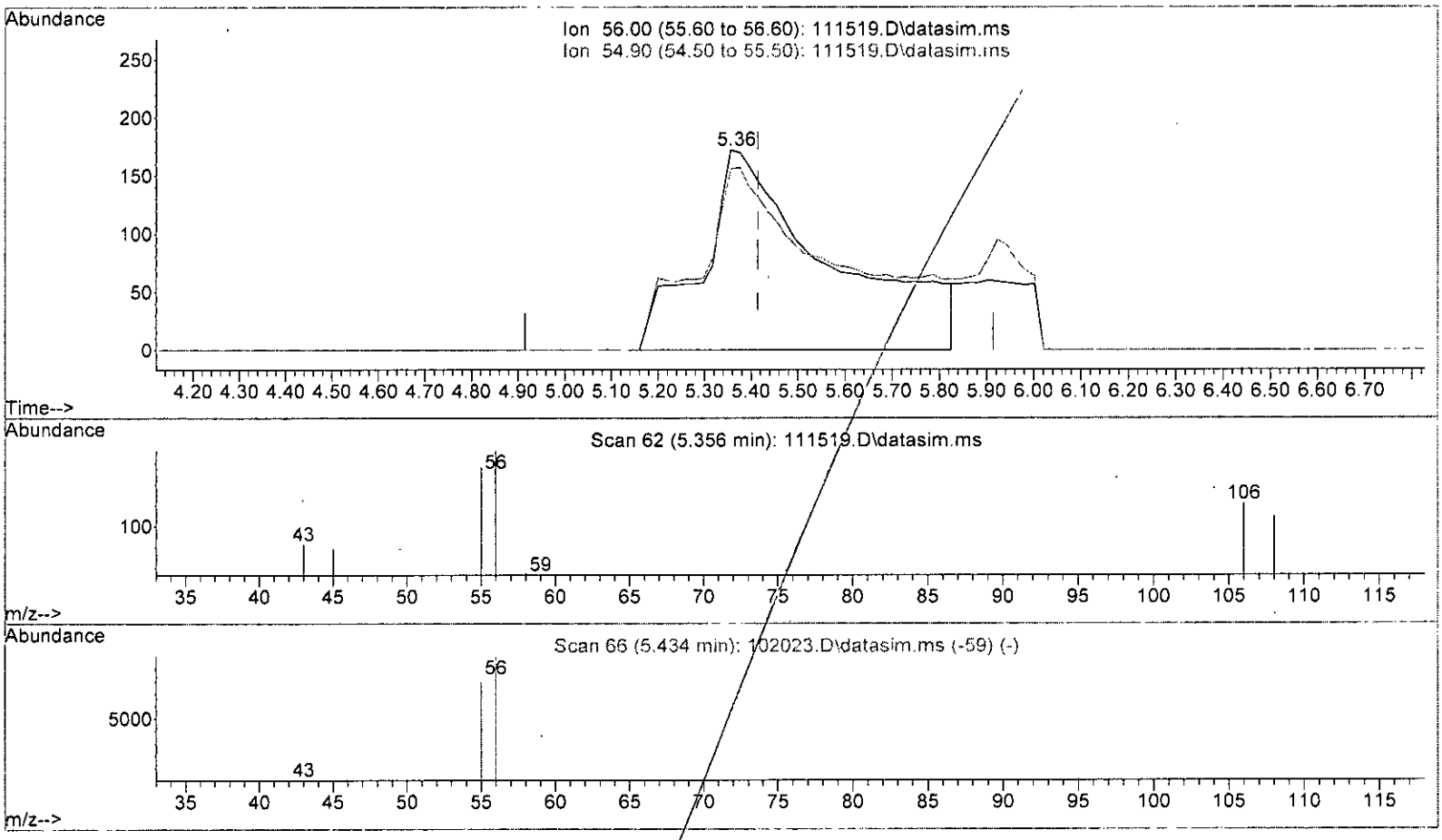
response 999

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	278.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.059) 0.754 ppbv

response 3423

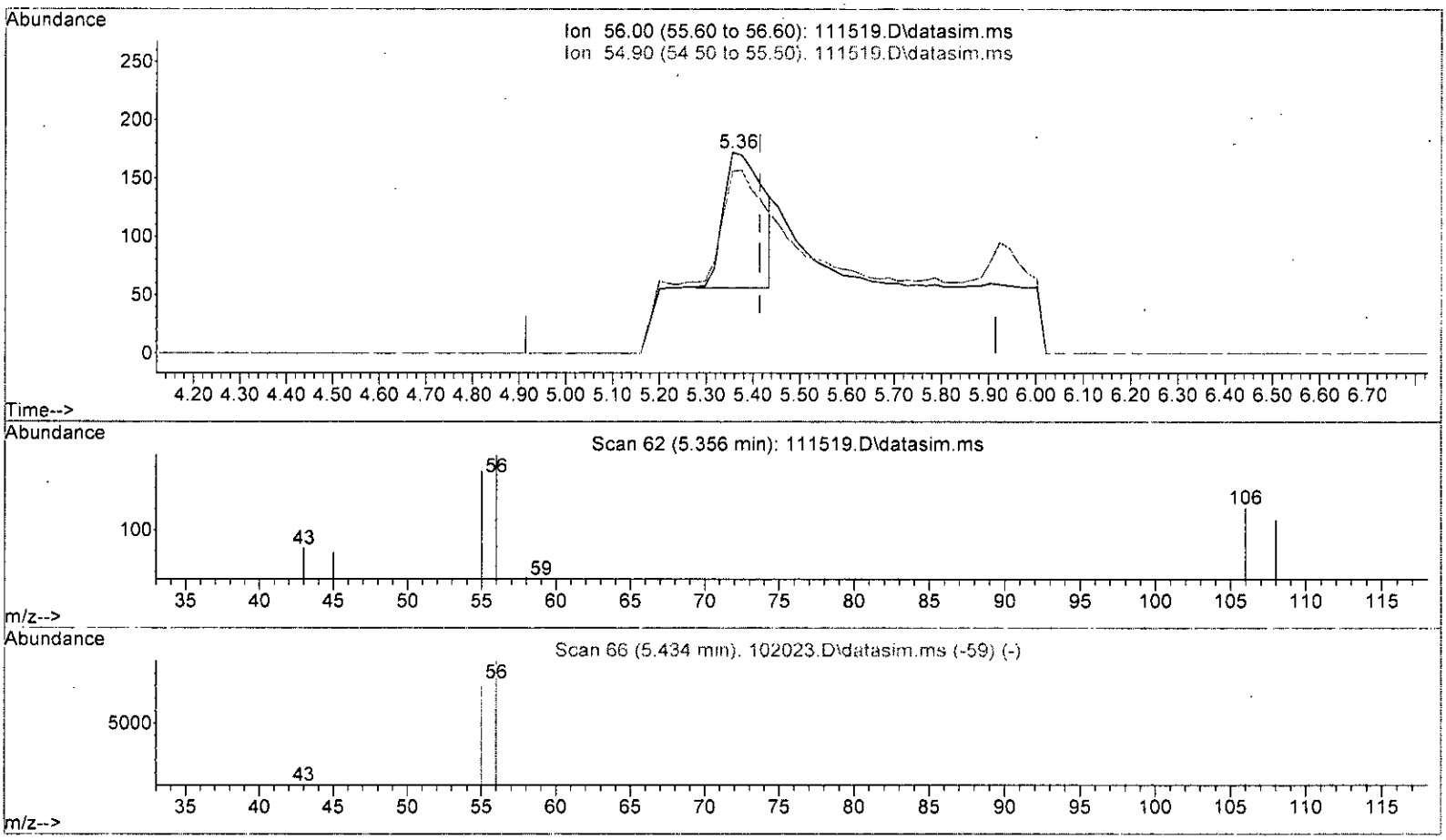
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	44.55#
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.059) 0.152 ppbv m

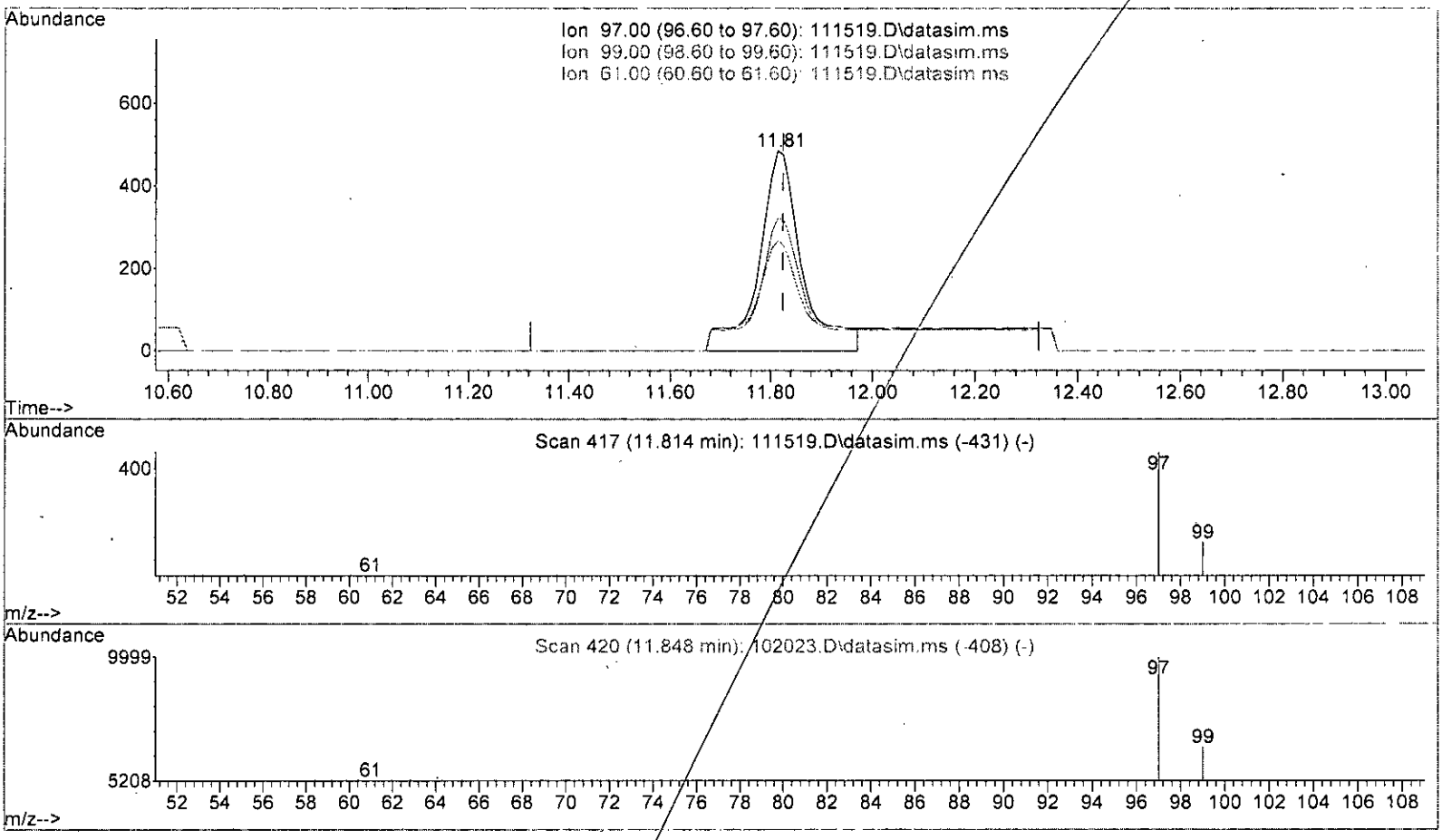
response 691

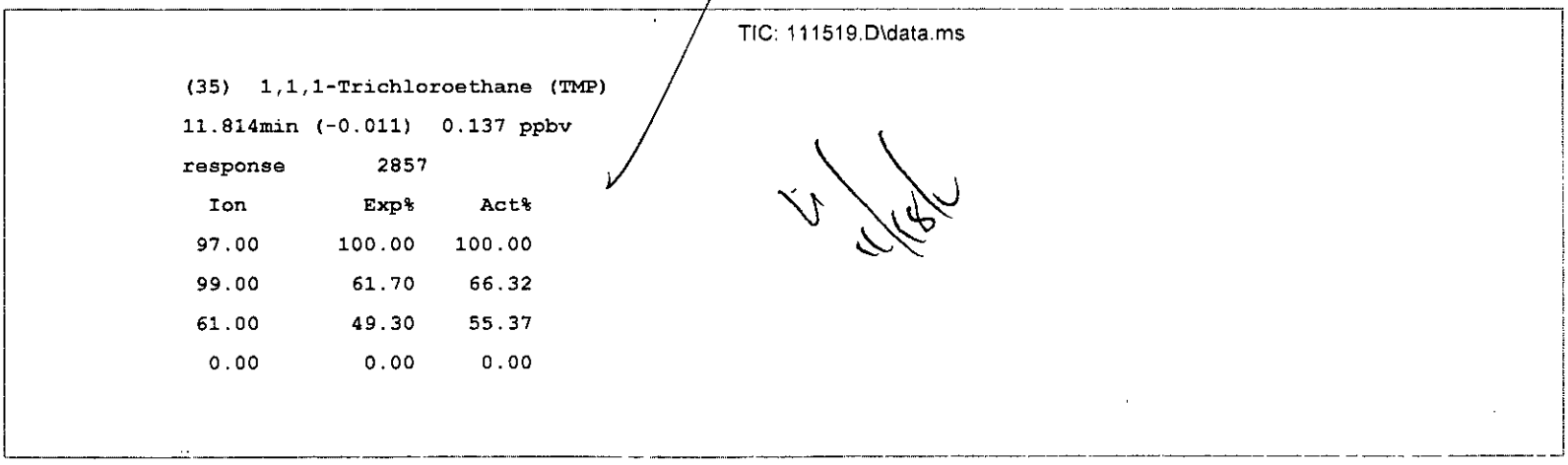
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	220.69#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





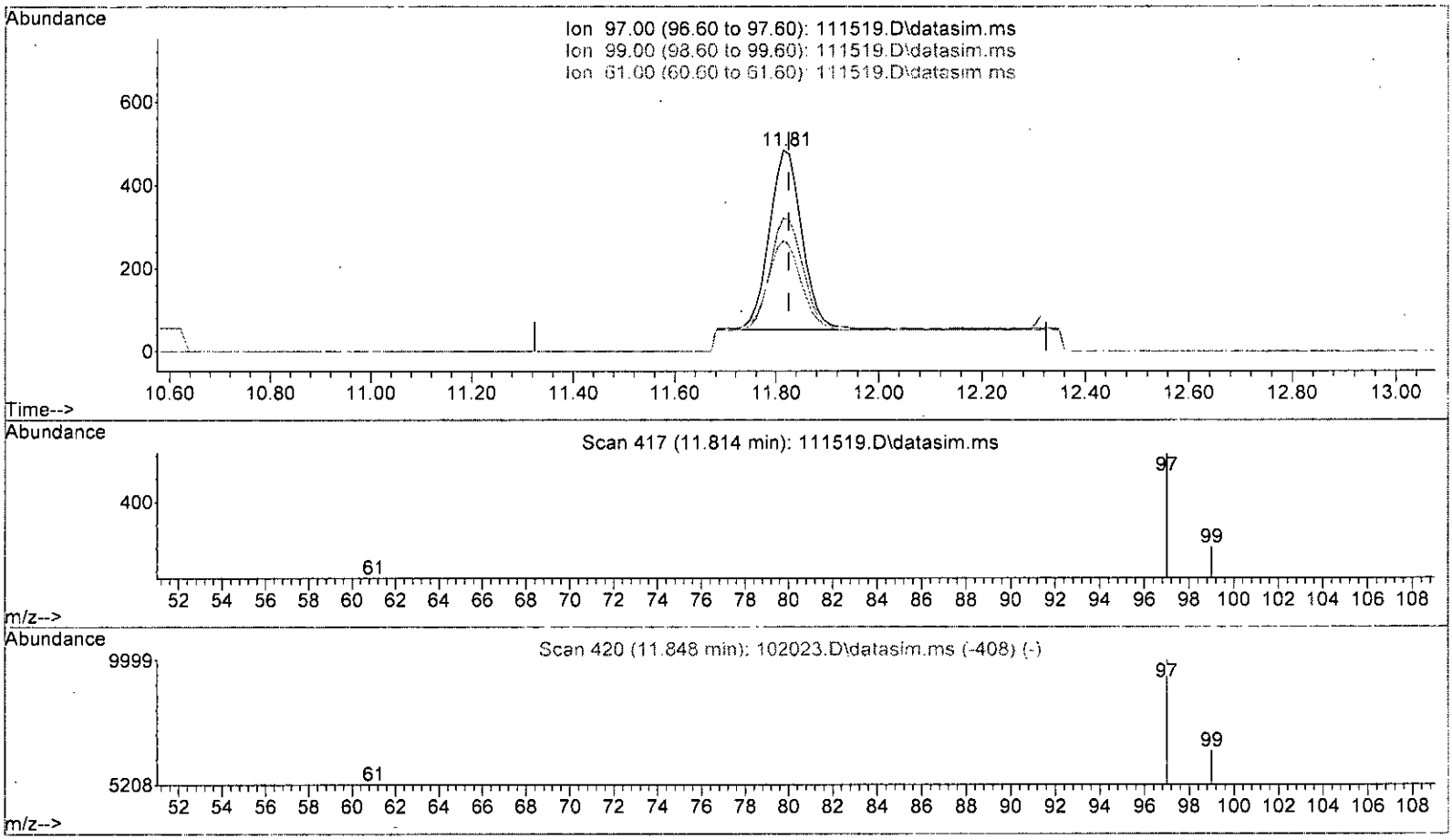
(35) 1,1,1-Trichloroethane (TMP)
11.814min (-0.011) 0.137 ppbv
response 2857

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.32
61.00	49.30	55.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.814min (-0.011) 0.093 ppbv m

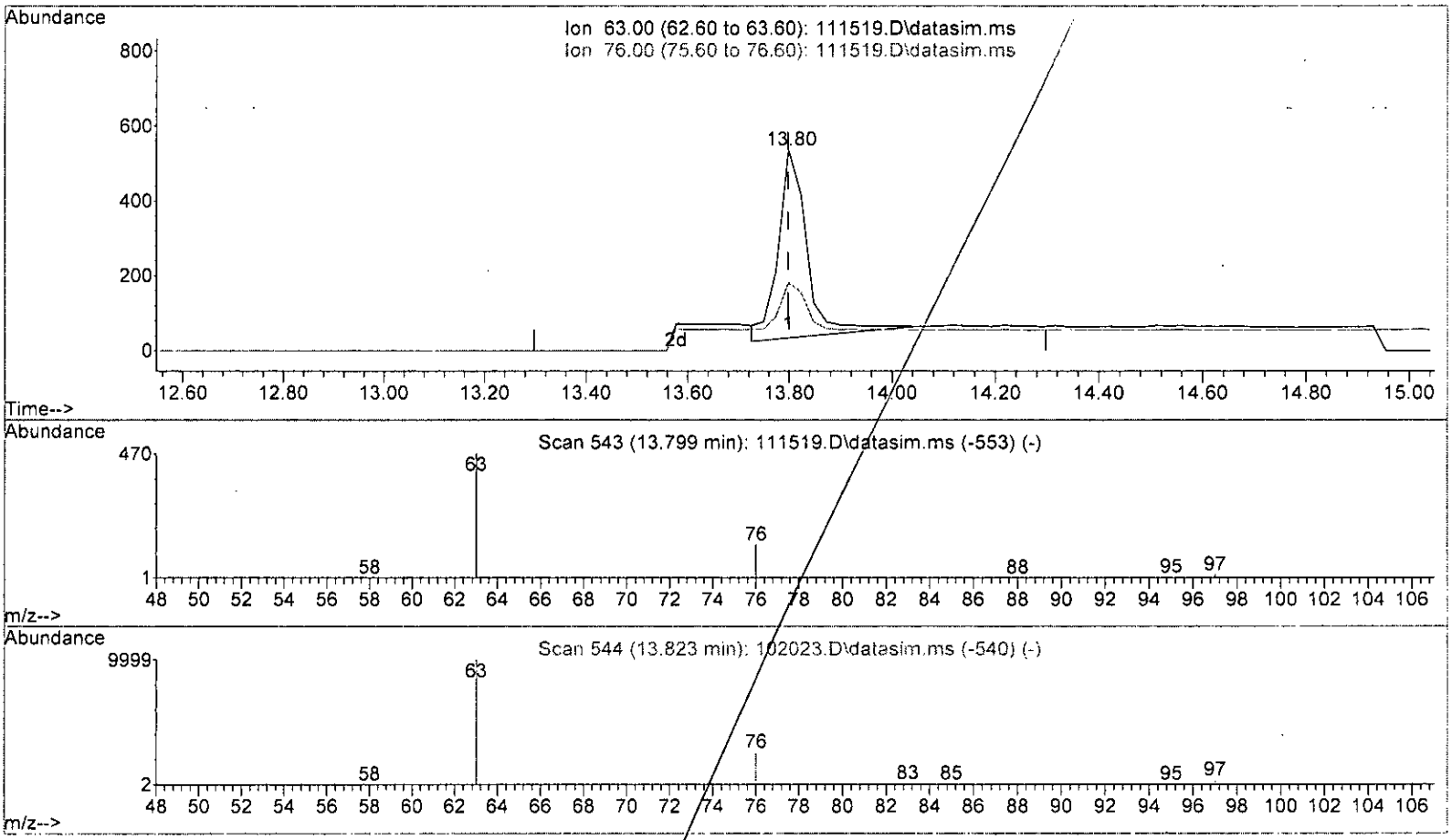
response 1935

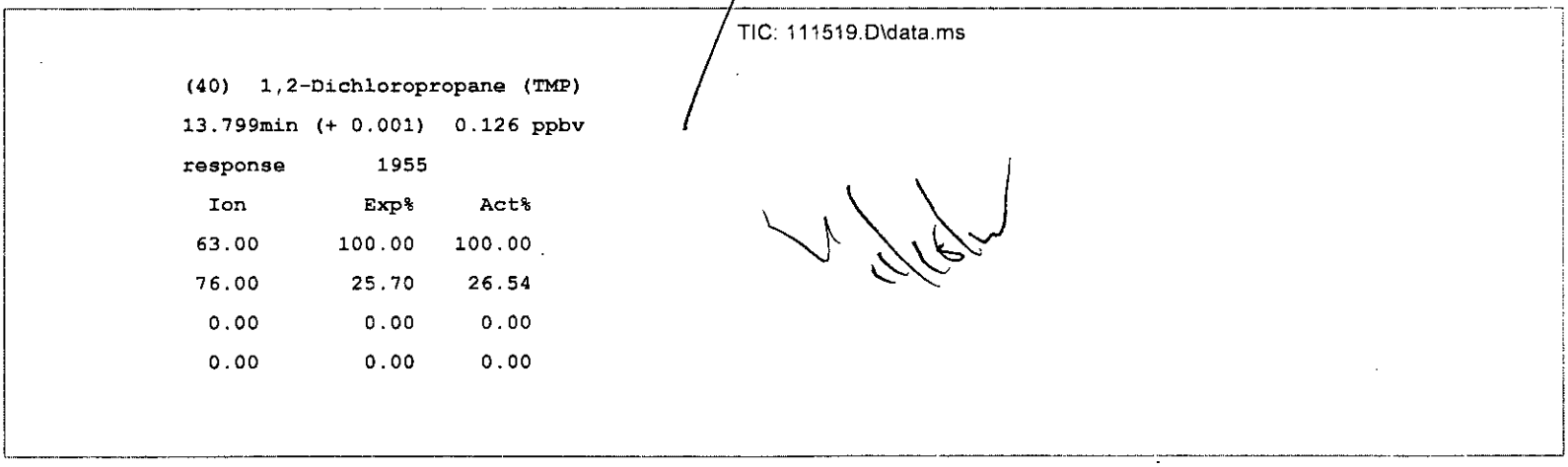
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.32
61.00	49.30	55.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





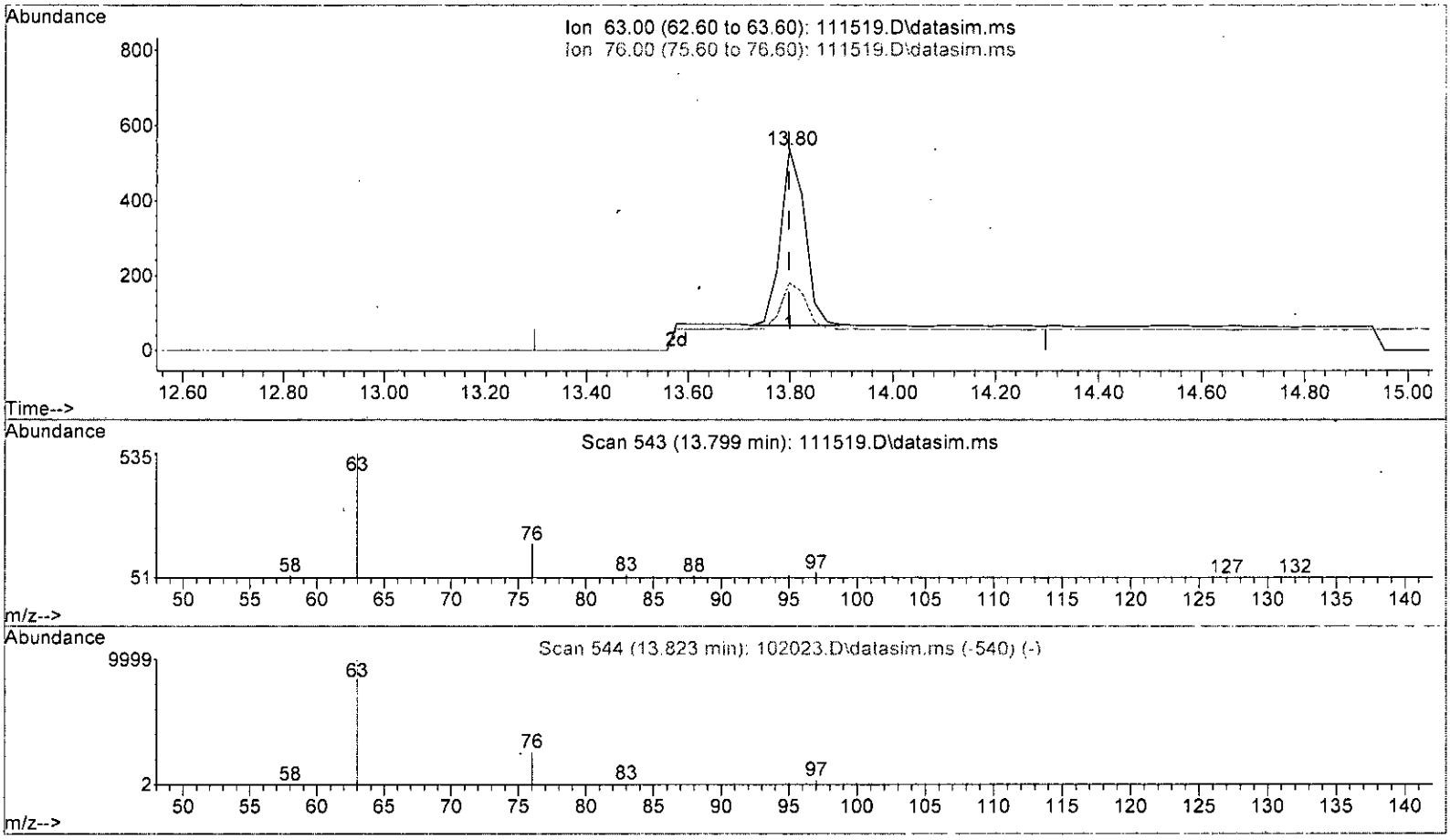
(40) 1,2-Dichloropropane (TMP)
13.799min (+ 0.001) 0.126 ppbv
response 1955

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.799min (+ 0.001) 0.099 ppbv m

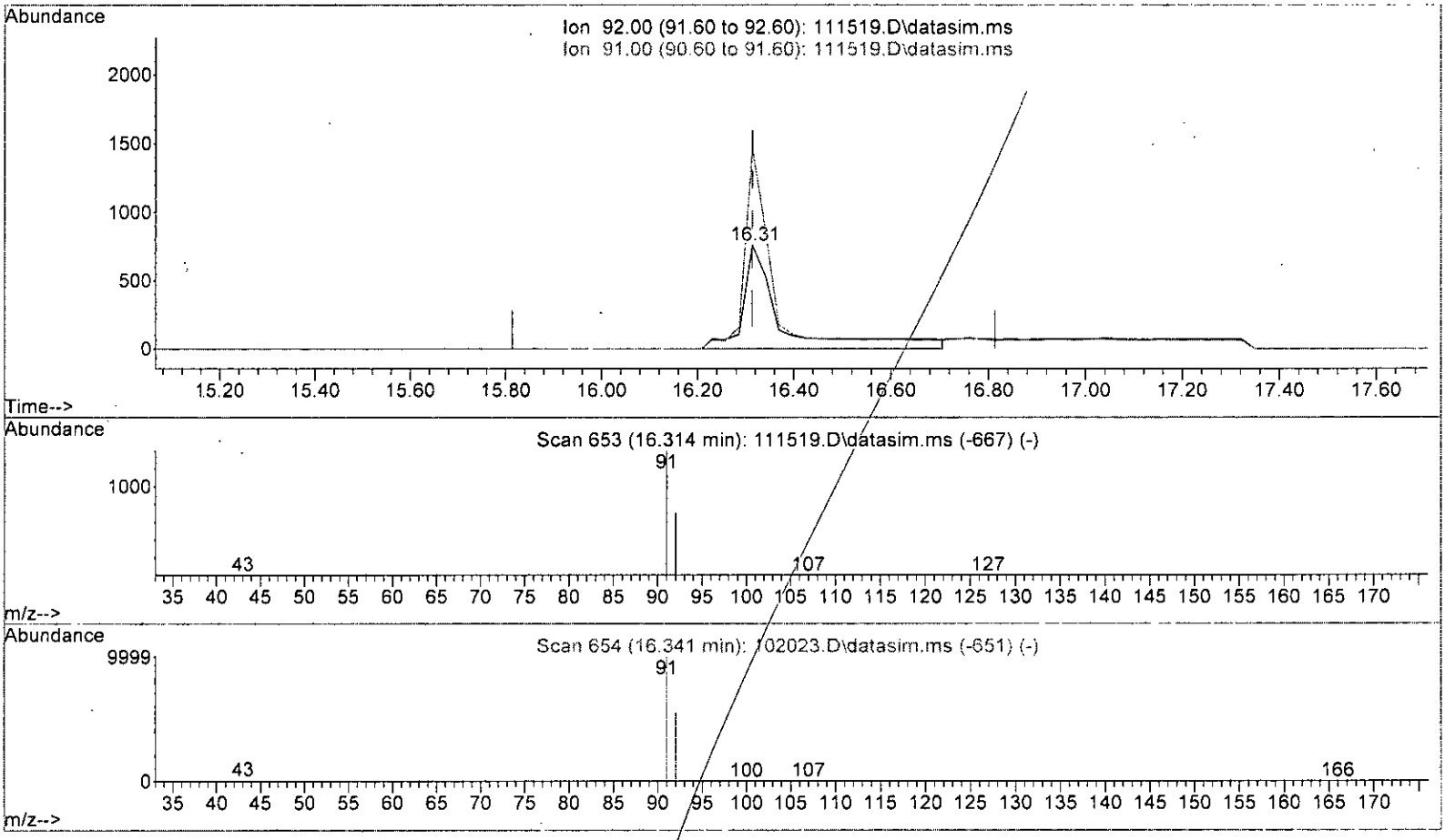
response 1540

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	33.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.206 ppbv

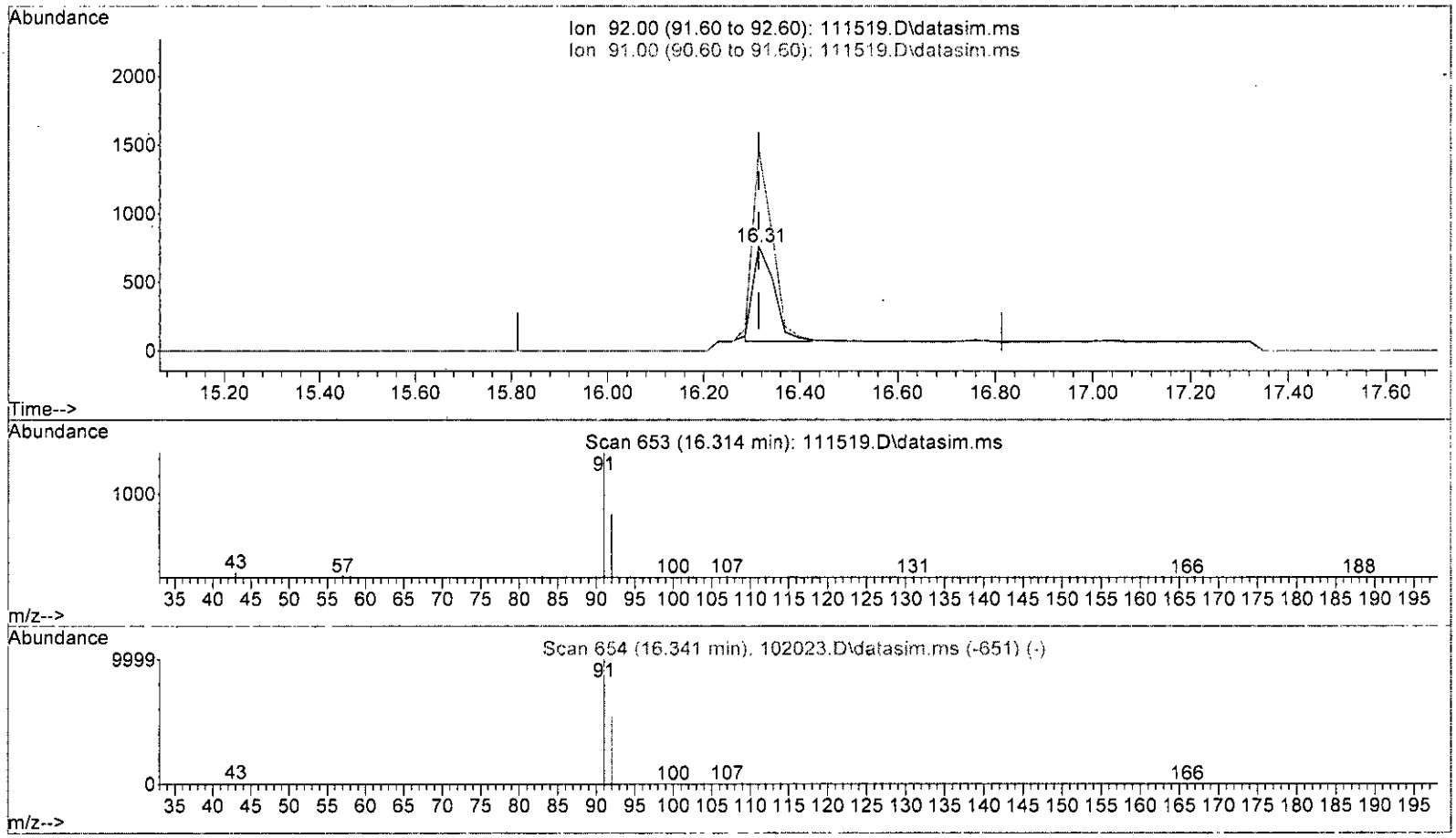
response 4170

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	193.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(50) Toluene (TMP)

16.314min (-0.000) 0.103 ppbv m

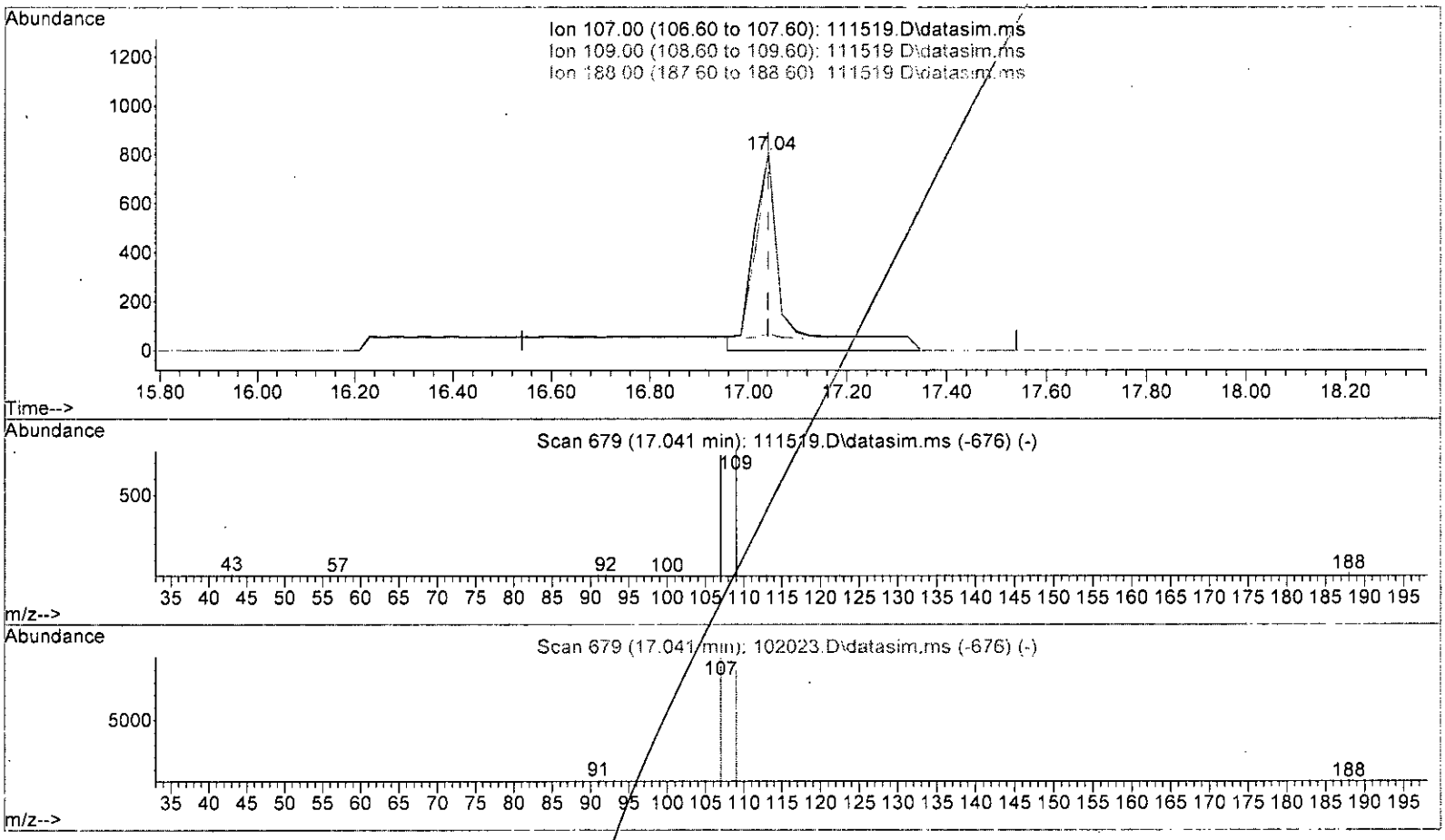
response 2091

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	193.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.144 ppbv

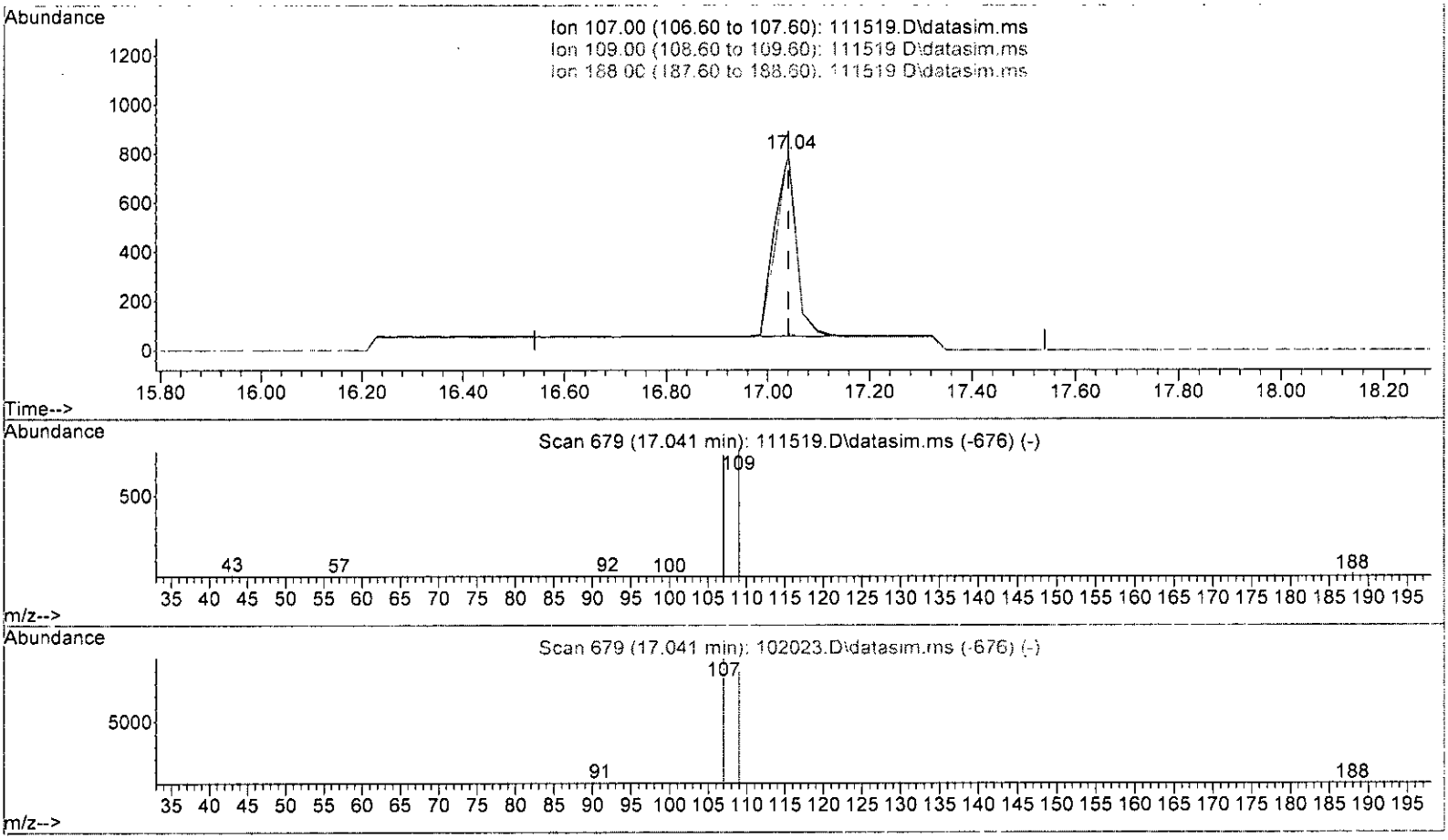
response 3318

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.25
188.00	2.70	8.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.093 ppbv m

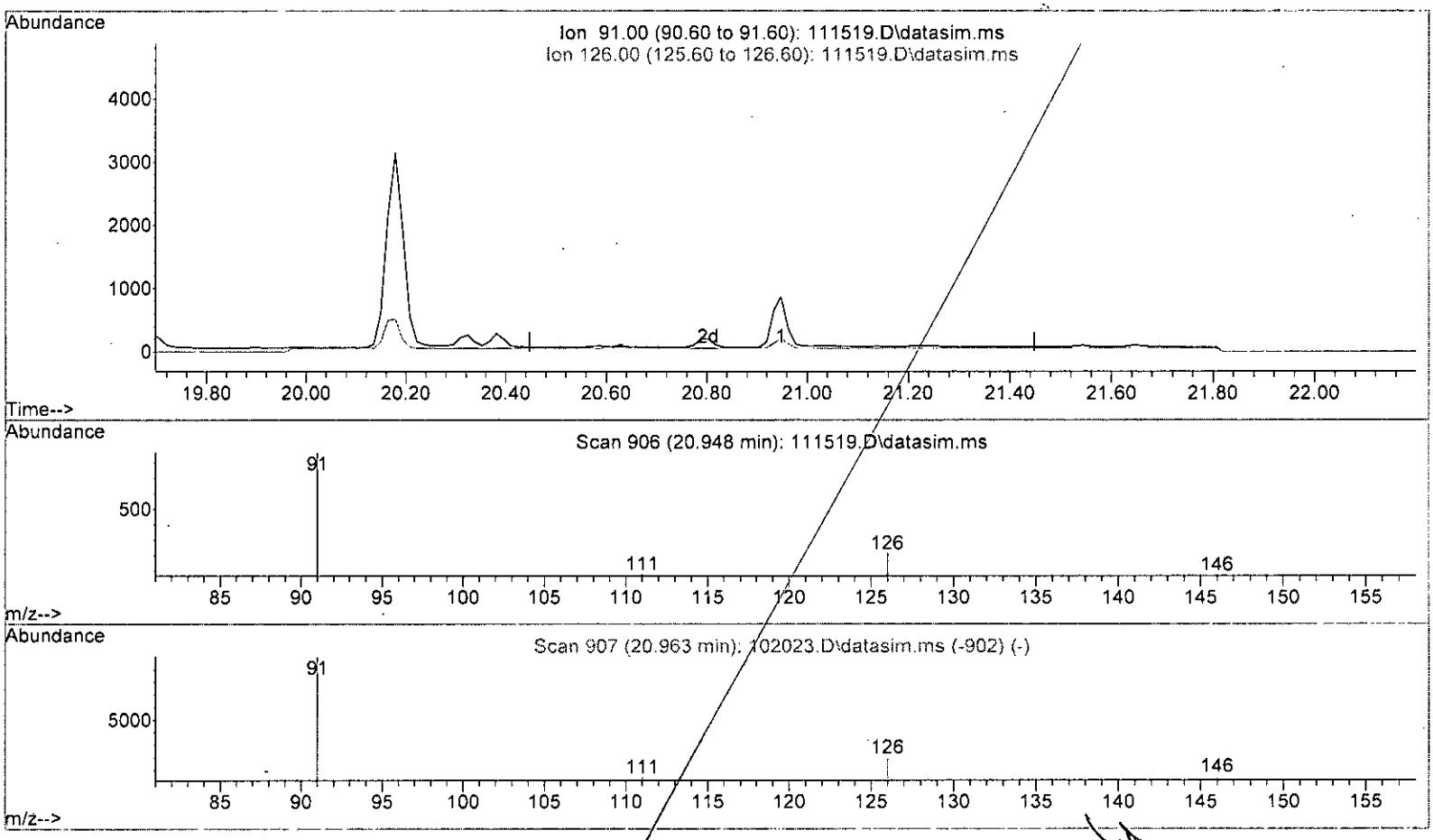
response 2202

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.25
188.00	2.70	8.36
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(70) Benzyl chloride (TMP)

20.948min 0.000 ppbv d

response 0

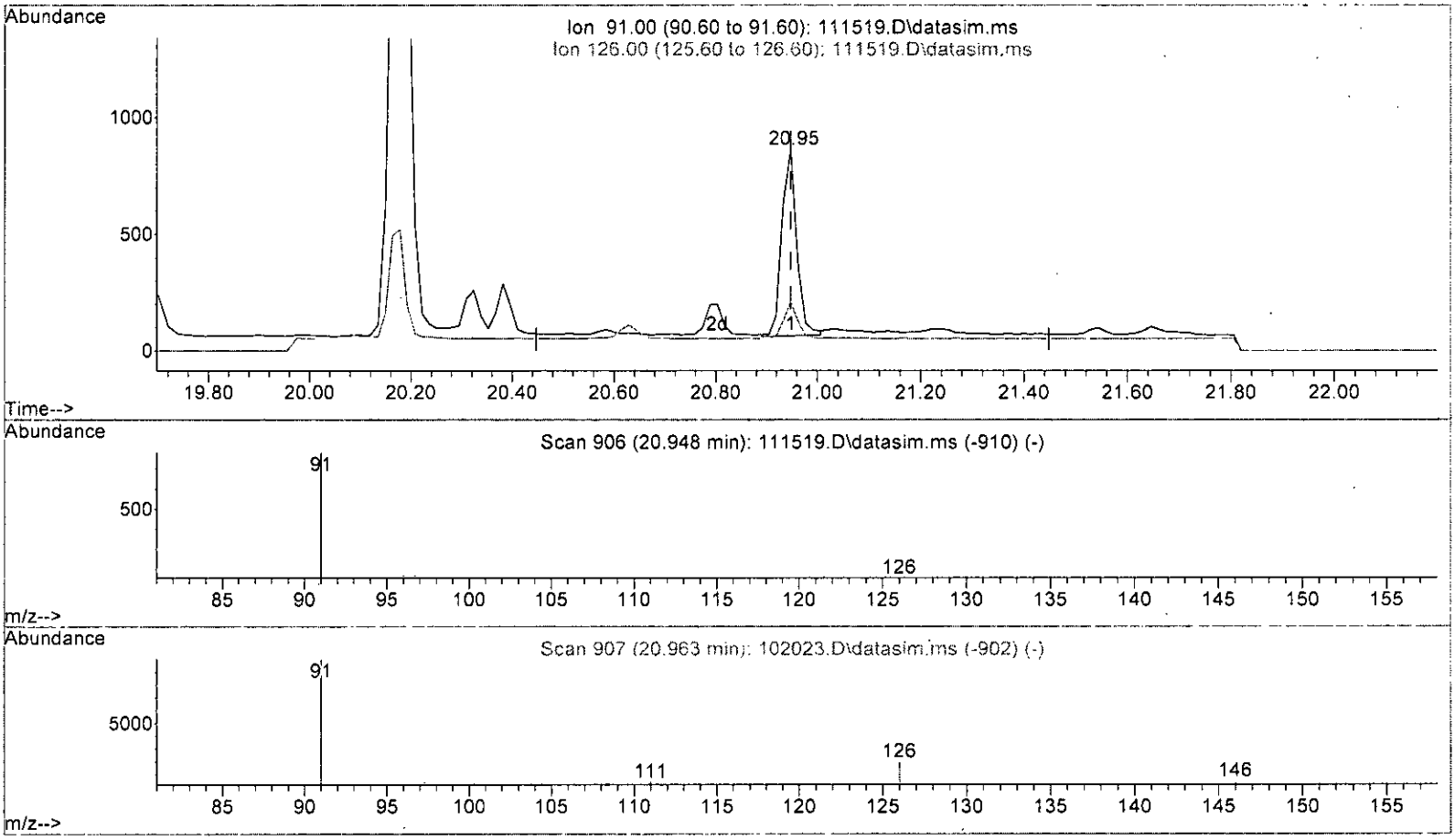
Ion	Exp%	Act%
91.00	100.00	0.00
126.00	20.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

11/18/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(70) Benzyl chloride (TMP)

20.948min (+ 0.000) 0.058 ppbv m

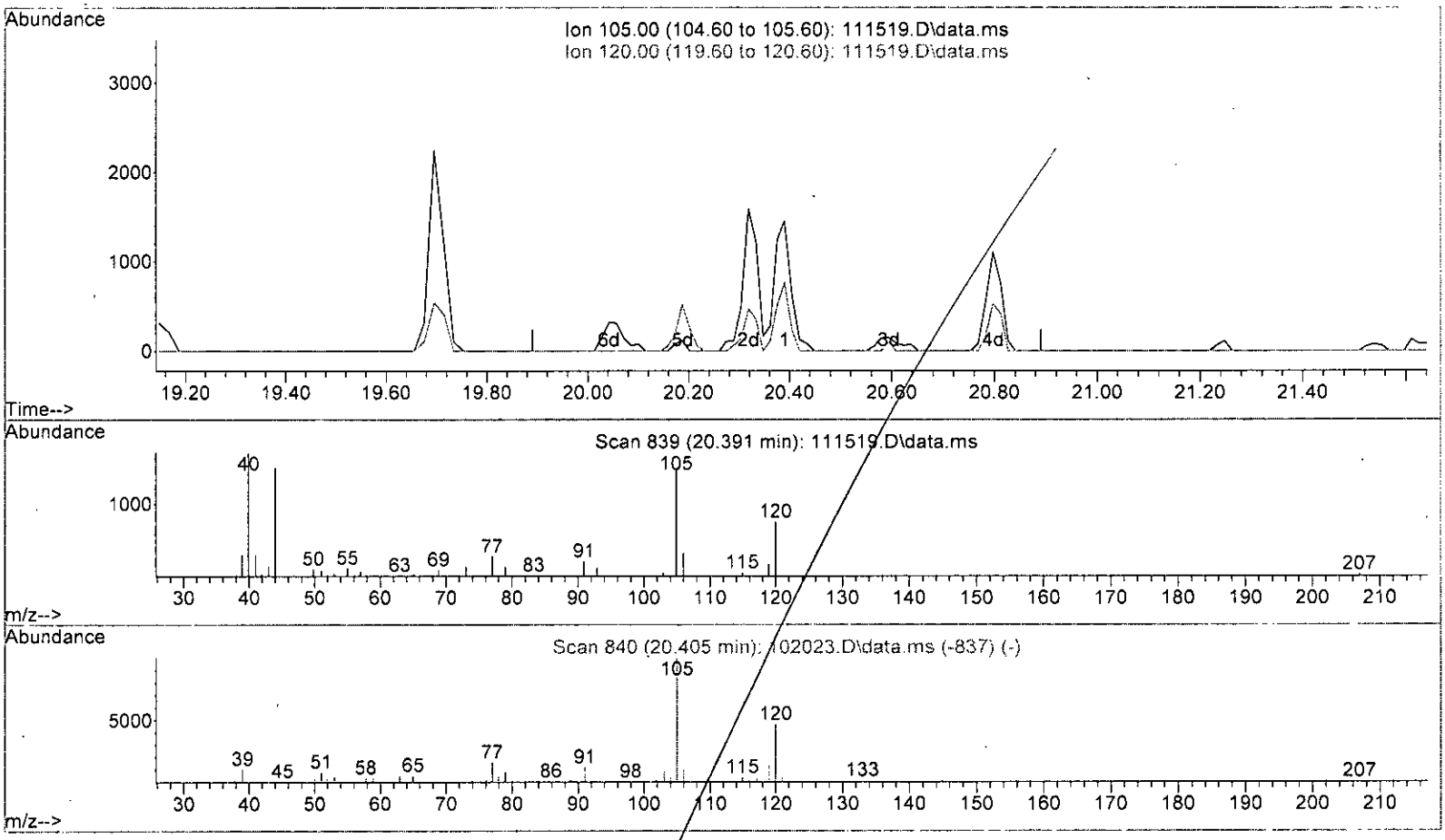
response 1628

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	24.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(71) 1,3,5-Trimethylbenzene (TMP)

20.391min 0.000 ppbv d

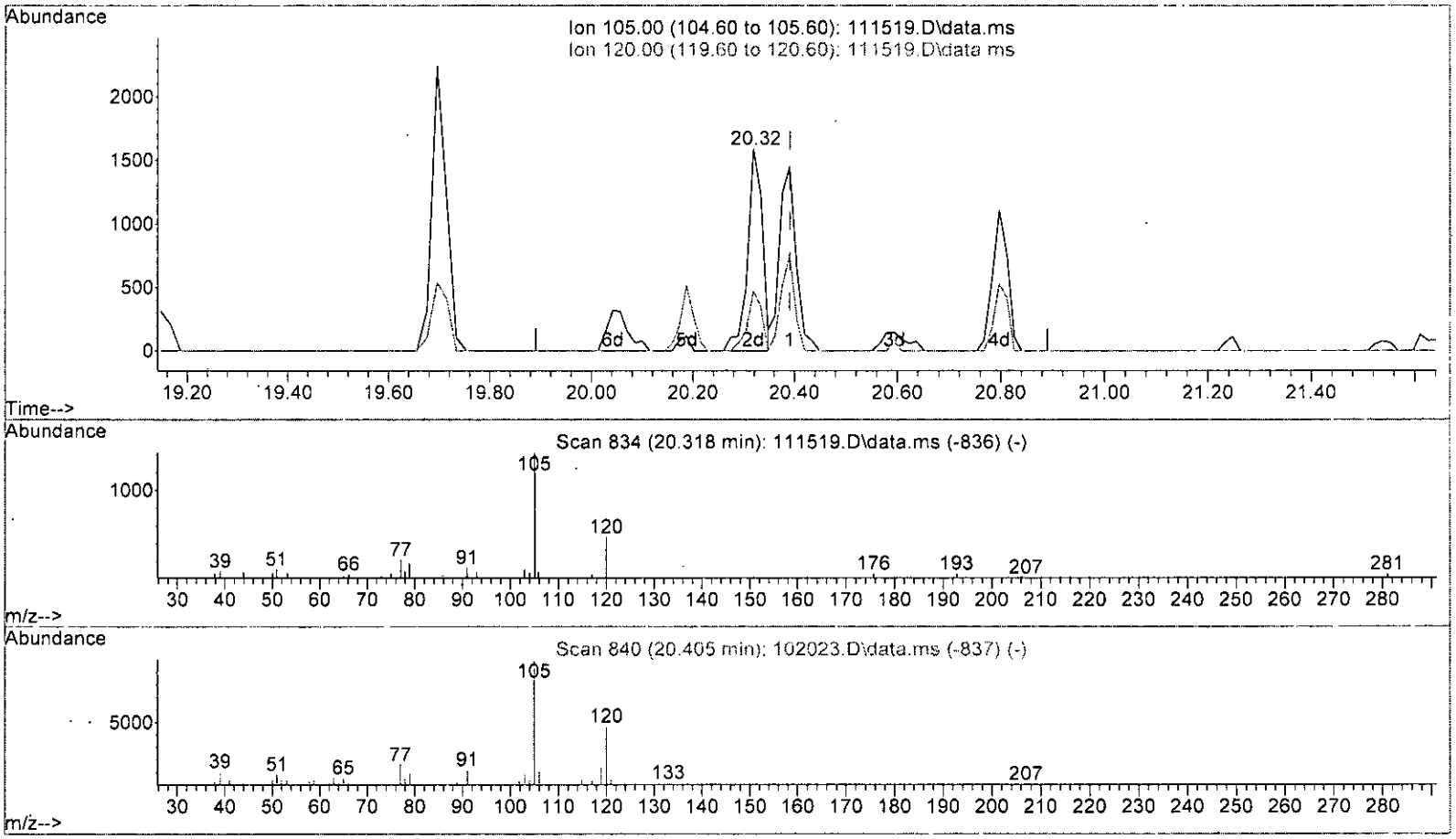
response 0

Ion	Exp%	Act%
105.00	100.00	0.00
120.00	43.40	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(71) 1,3,5-Trimethylbenzene (TMP)

20.318min (-0.073) 0.088 ppbv m

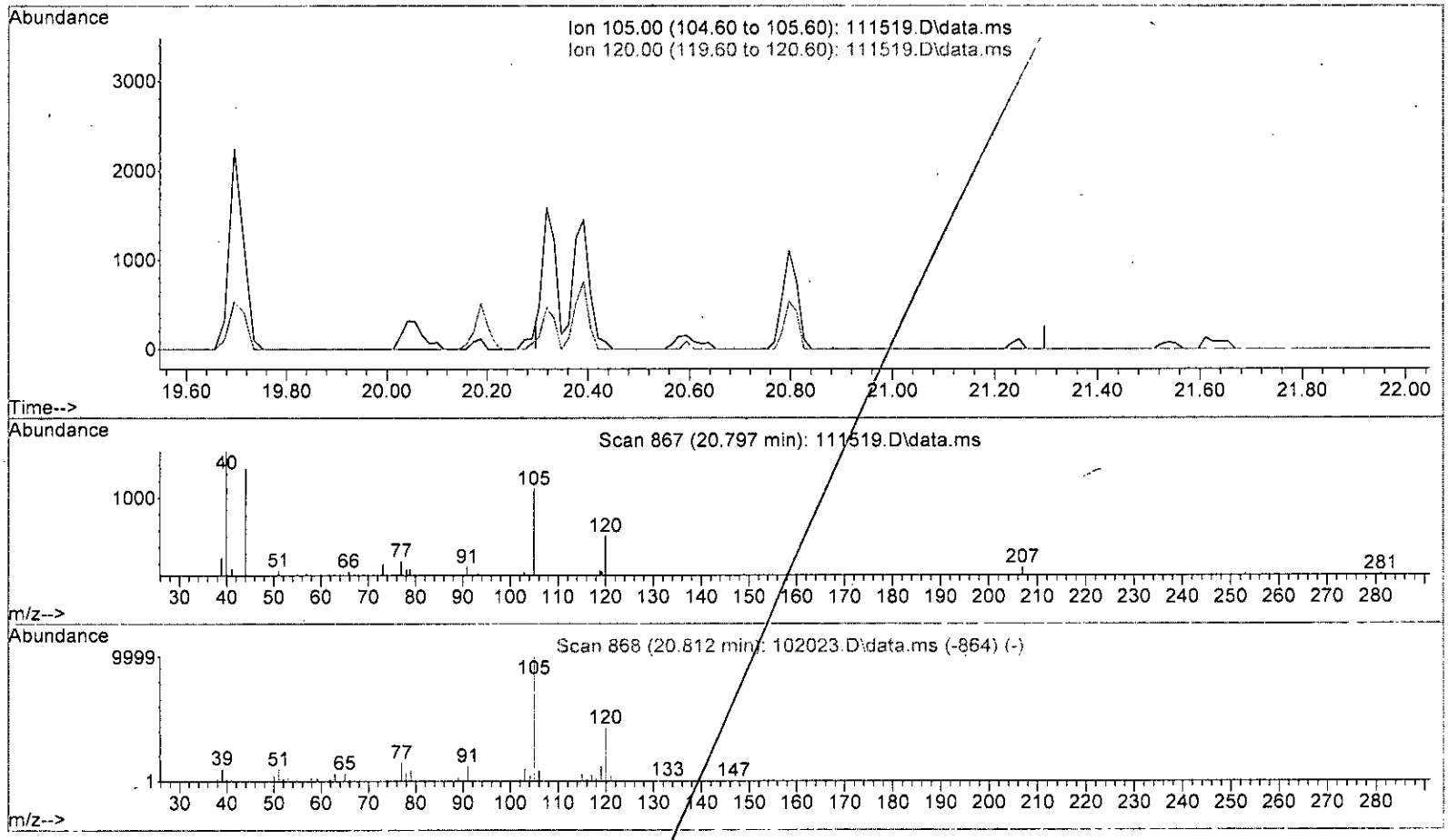
response 3200

Ion	Exp%	Act%
105.00	100.00	100.00
120.00	43.40	29.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(72) 1,2,4-Trimethylbenzene (TMP)

20.797min 0.000 ppbv d

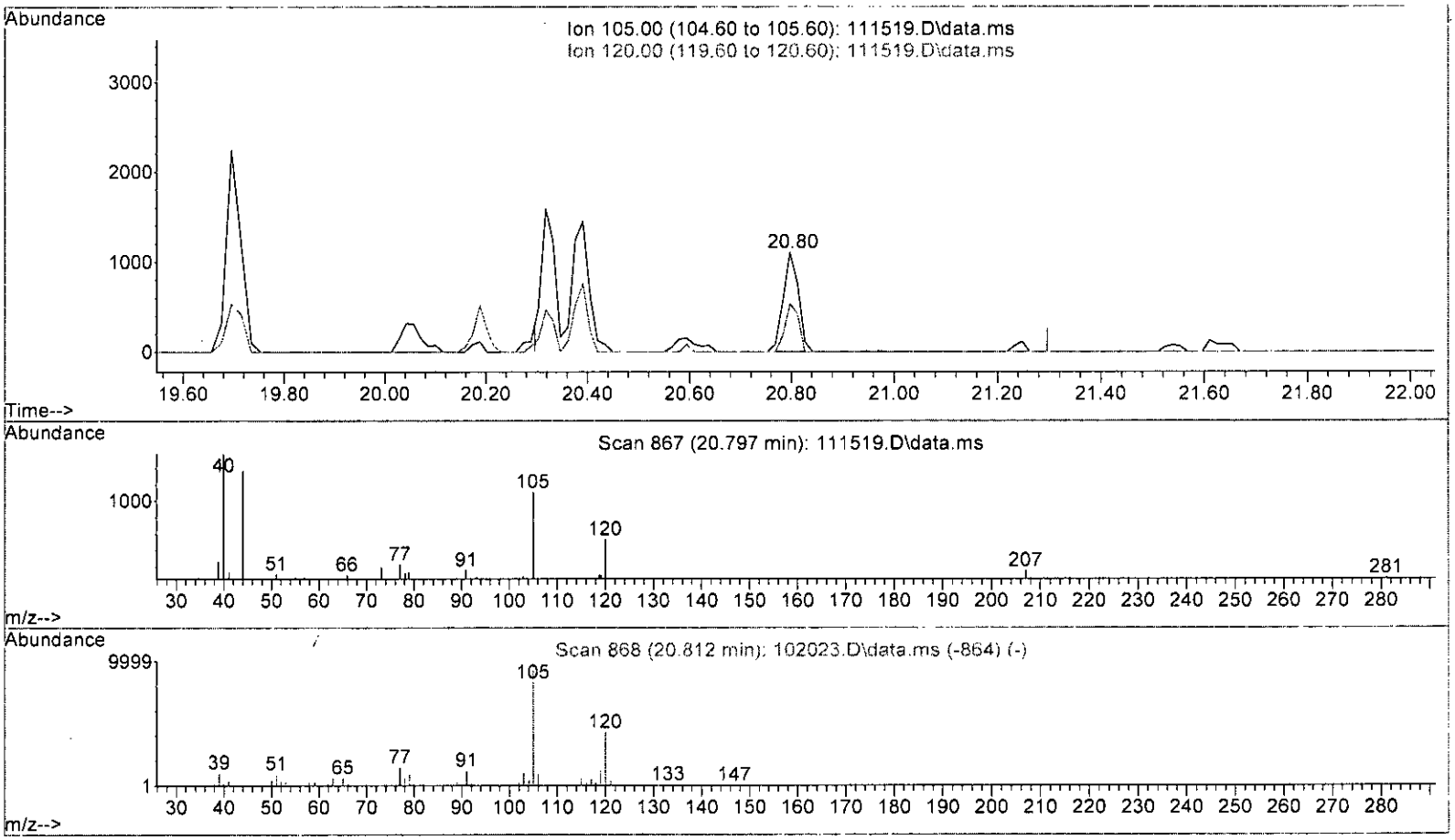
response 0

Ion	Exp%	Act%
105.00	100.00	0.00
120.00	41.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(72) 1,2,4-Trimethylbenzene (TMP)

20.797min (+ 0.000) 0.132 ppbv m

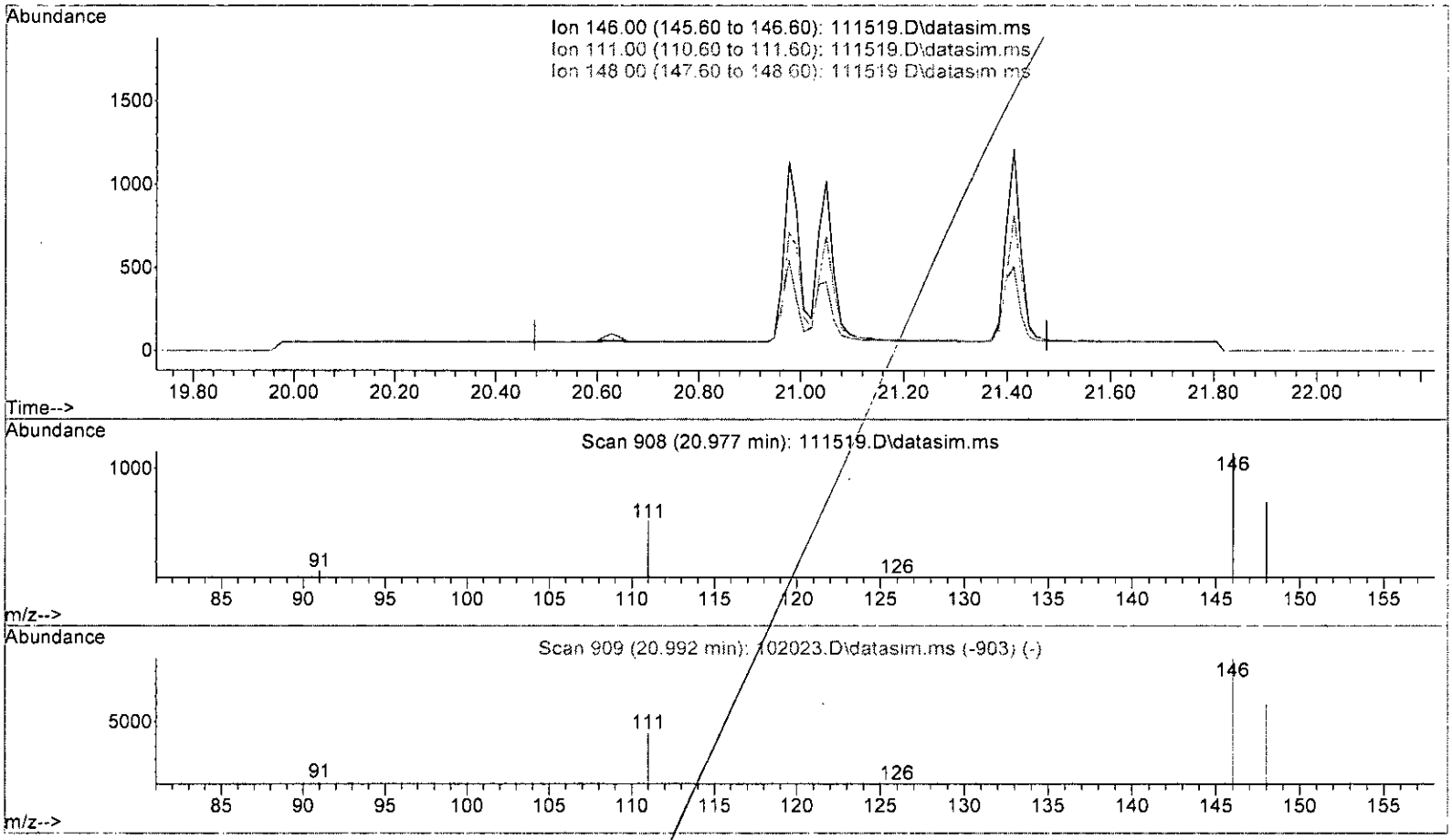
response 2264

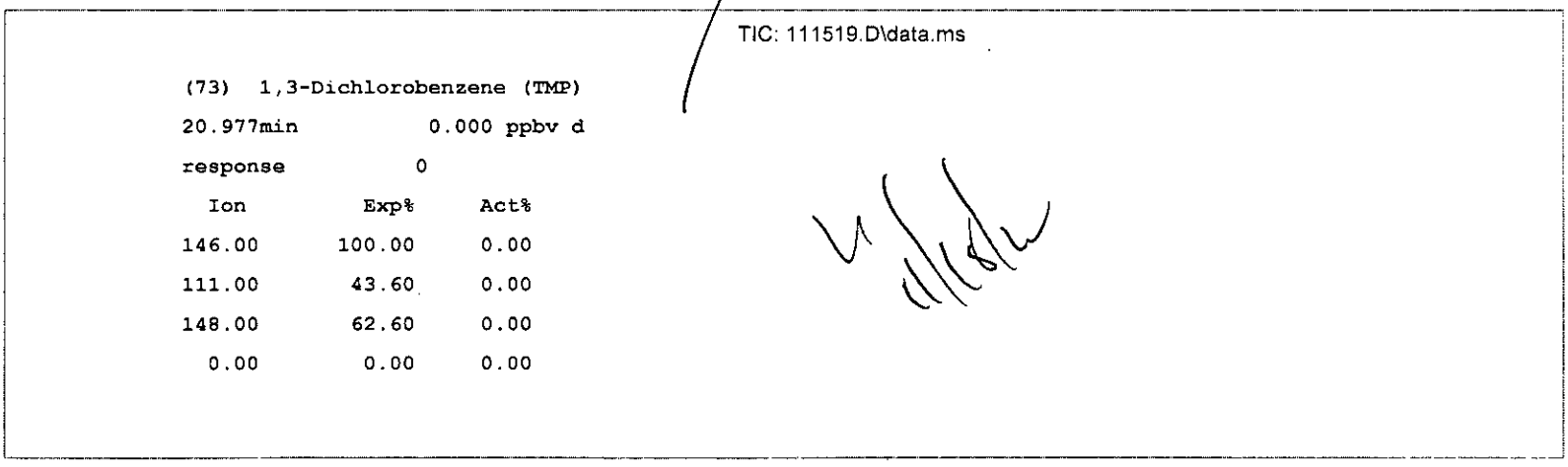
Ion	Exp%	Act%
105.00	100.00	100.00
120.00	41.00	48.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





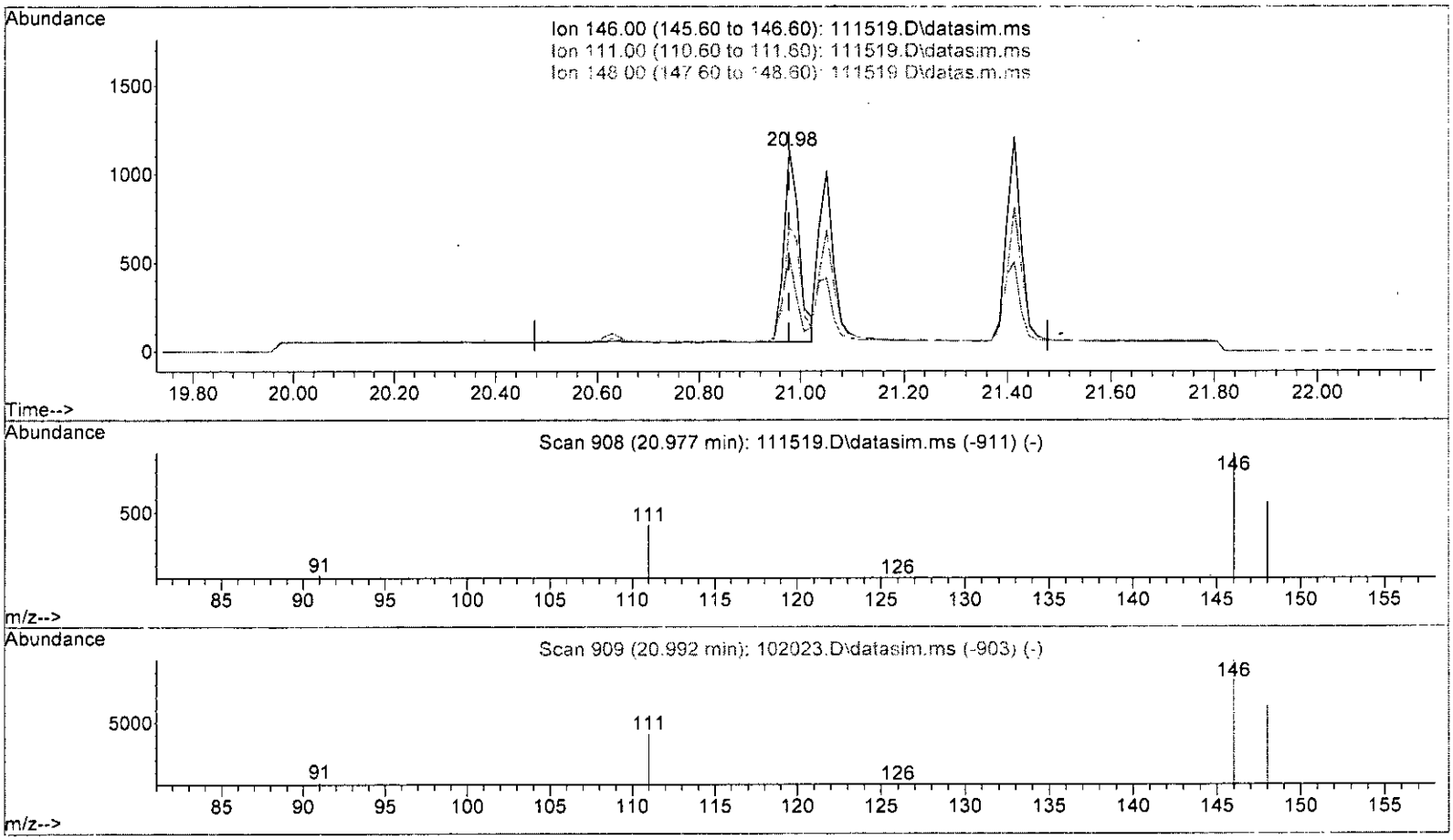
(73) 1,3-Dichlorobenzene (TMP)
20.977min 0.000 ppbv d
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	43.60	0.00
148.00	62.60	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

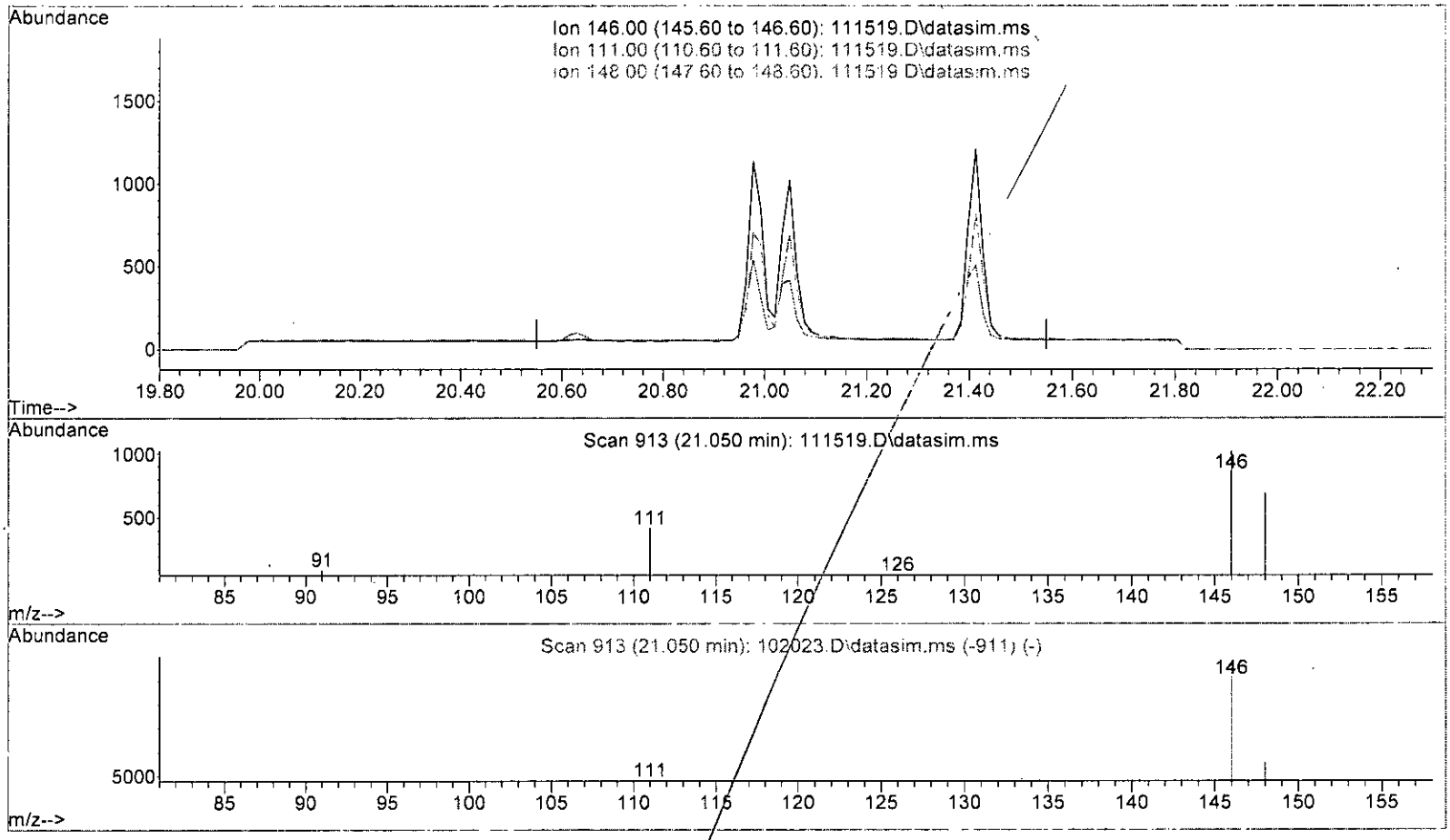
(73) 1,3-Dichlorobenzene (TMP)
20.977min (+ 0.000) 0.088 ppbv m
response 2242

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	43.60	47.67
148.00	62.60	62.38
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

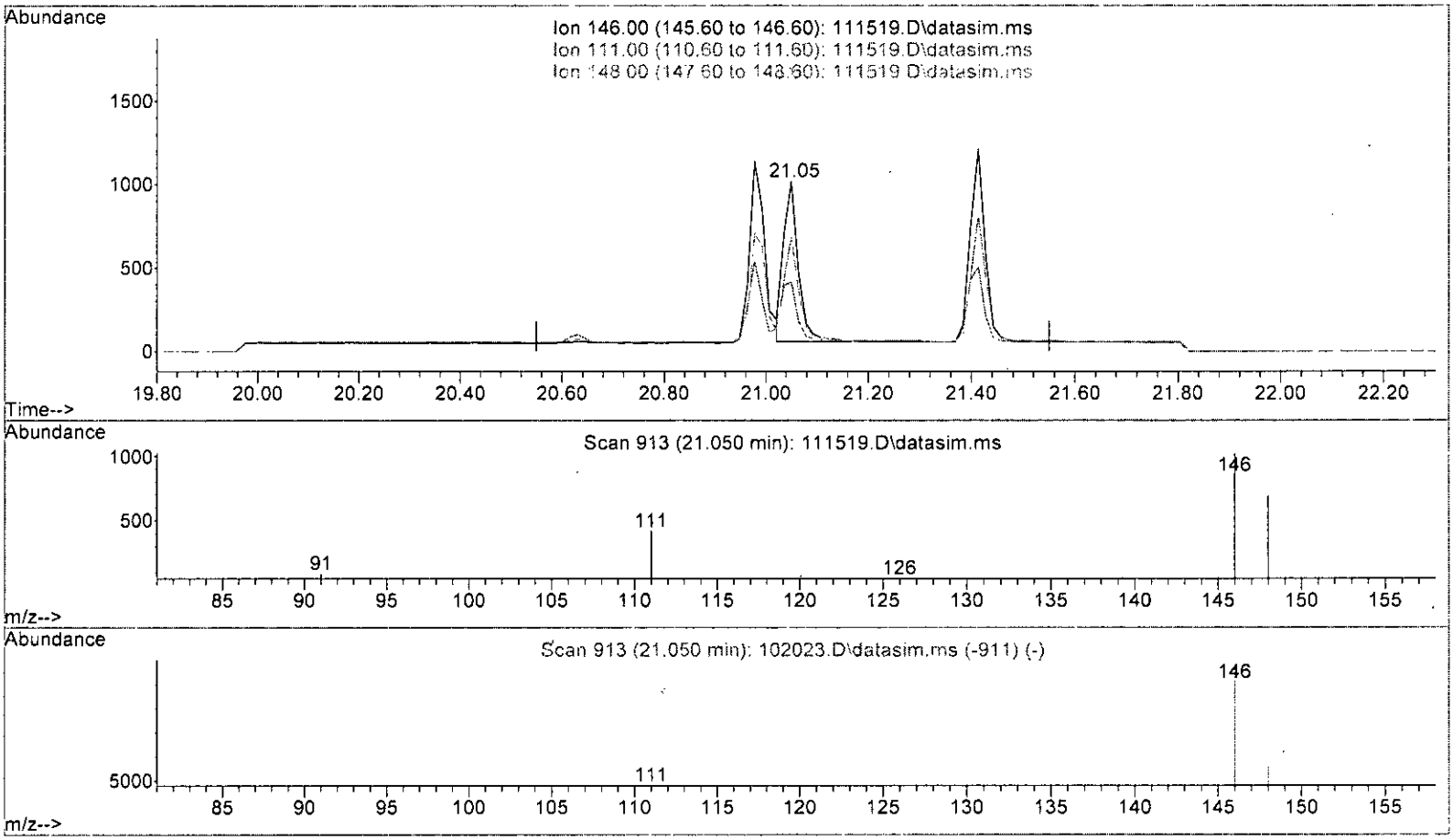
(74) 1,4-Dichlorobenzene (TMP)
21.050min 0.000 ppbv d
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	35.50	0.00
148.00	68.80	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

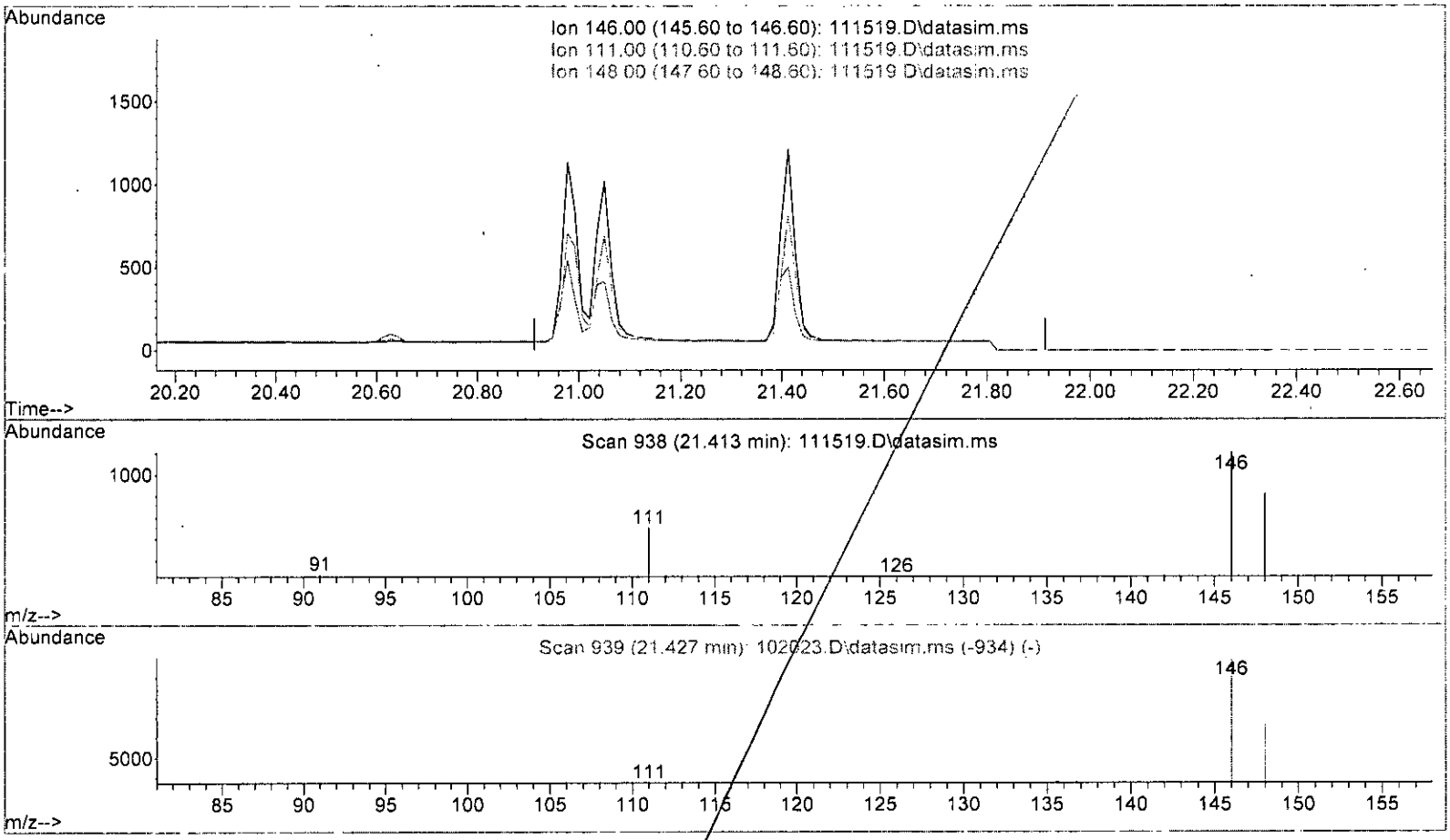
(74) 1,4-Dichlorobenzene (TMP)
21.050min (+ 0.000) 0.082 ppbv m
response 1951

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	35.50	40.81
148.00	68.80	67.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.413min 0.000 ppbv d

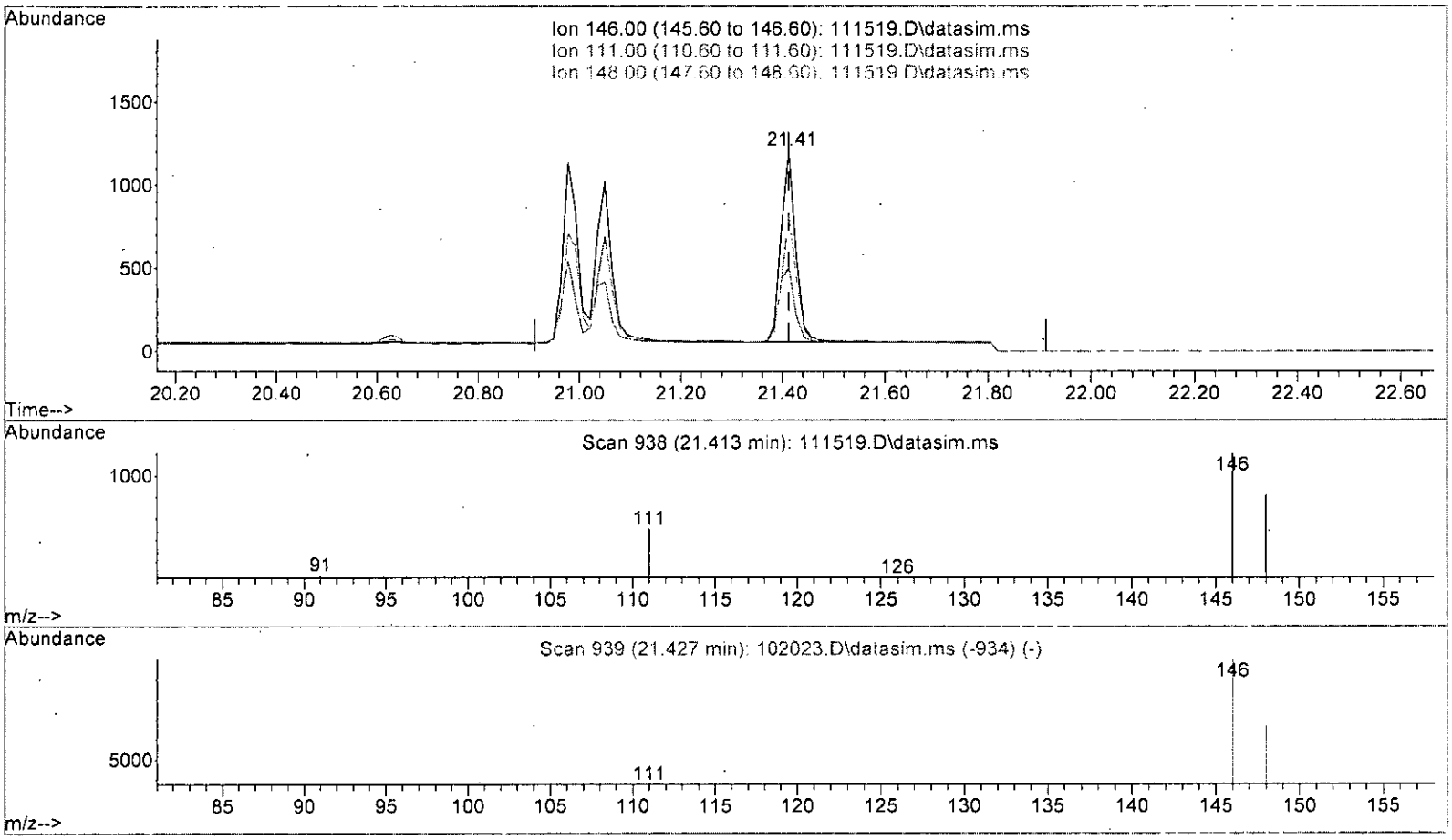
response 0

Ion	Exp%	Act%
146.00	100.00	0.00
111.00	42.90	0.00
148.00	63.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

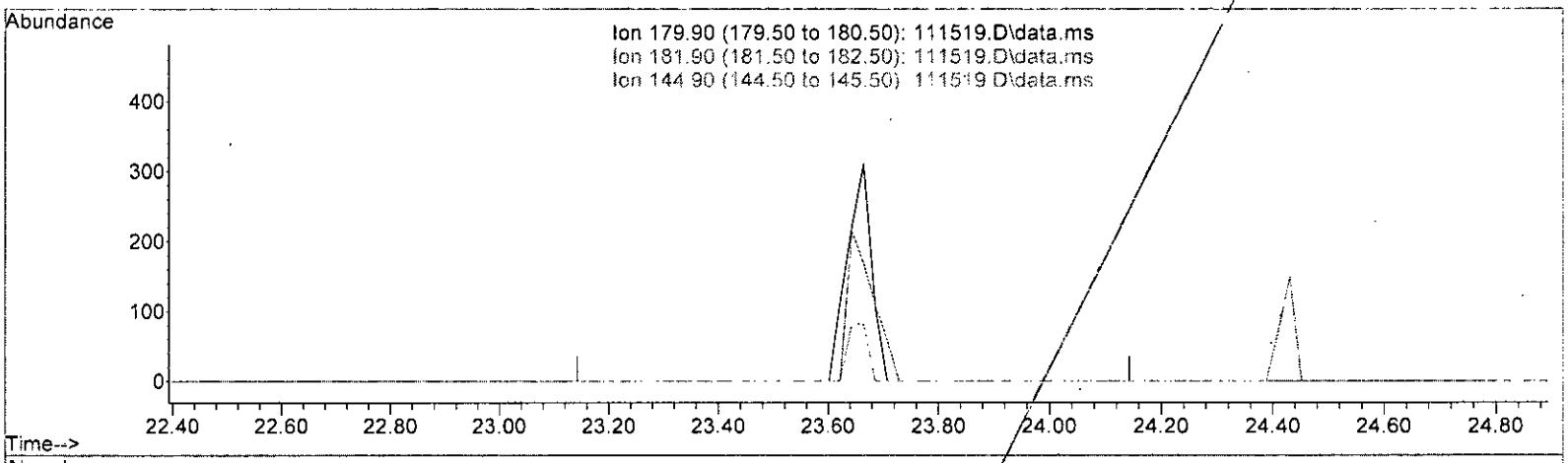
(75) 1,2-Dichlorobenzene (TMP)
21.413min (+ 0.000) 0.088 ppbv m
response 2266

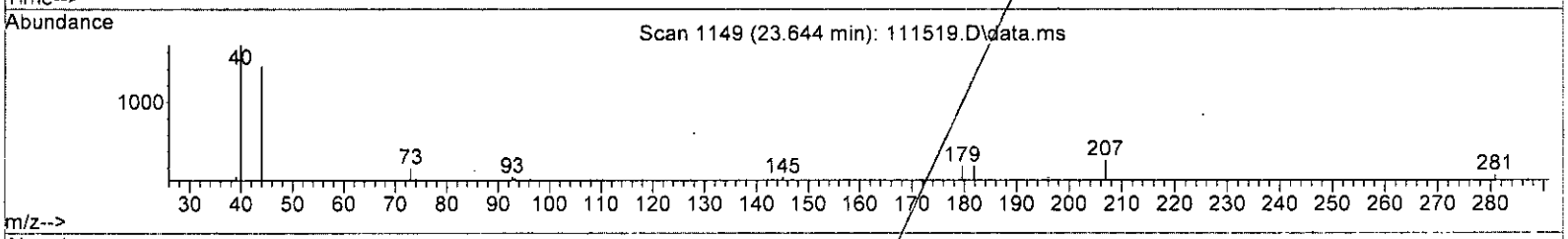
Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	41.69
148.00	63.20	67.58
0.00	0.00	0.00

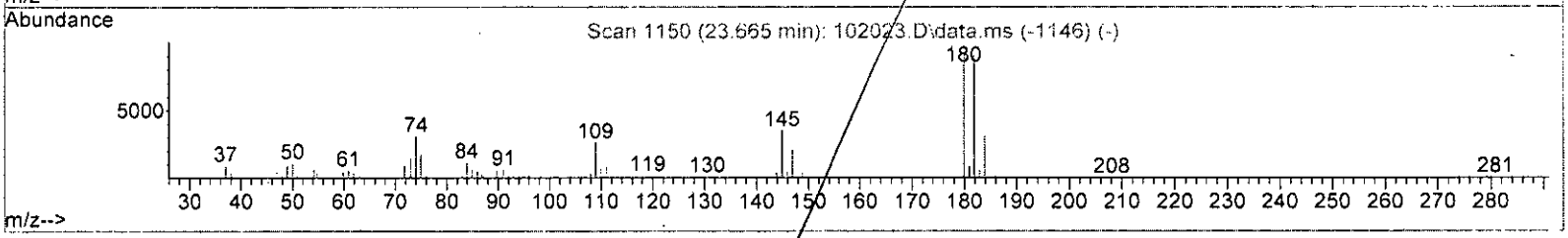
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 111519.D\data.ms

(76) 1,2,4-Trichlorobenzene (TMP)

23.643min 0.000 ppbv d

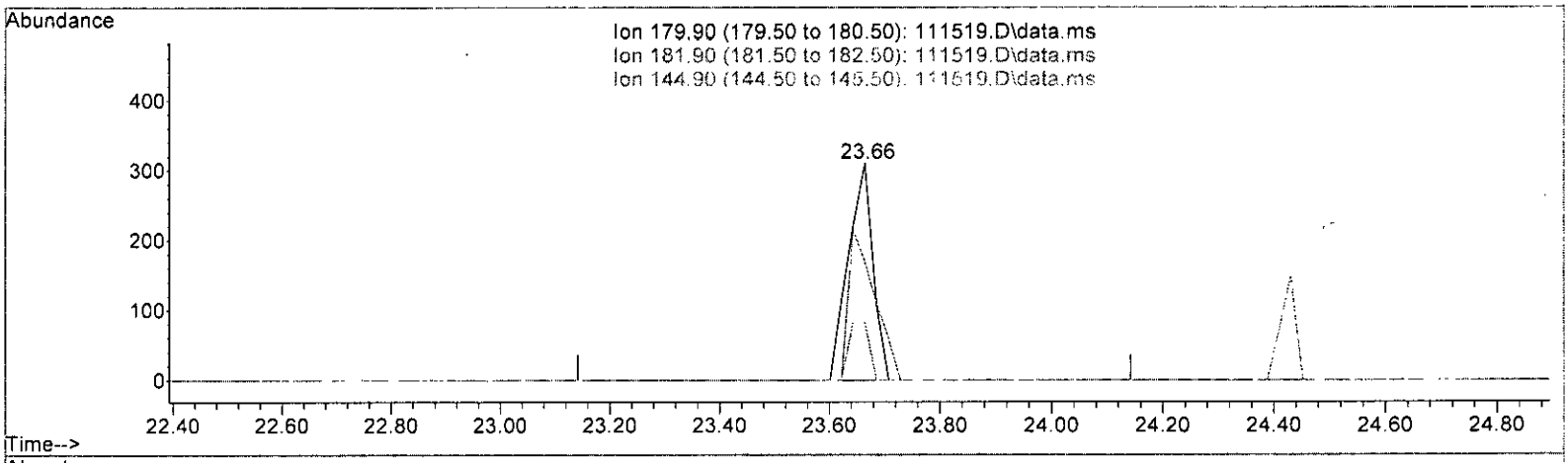
response 0

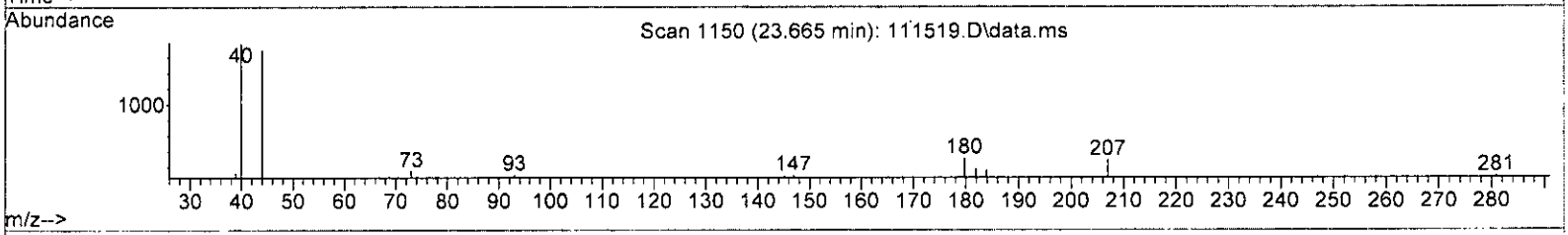
Ion	Exp%	Act%
179.90	100.00	0.00
181.90	94.50	0.00
144.90	30.80	0.00
0.00	0.00	0.00

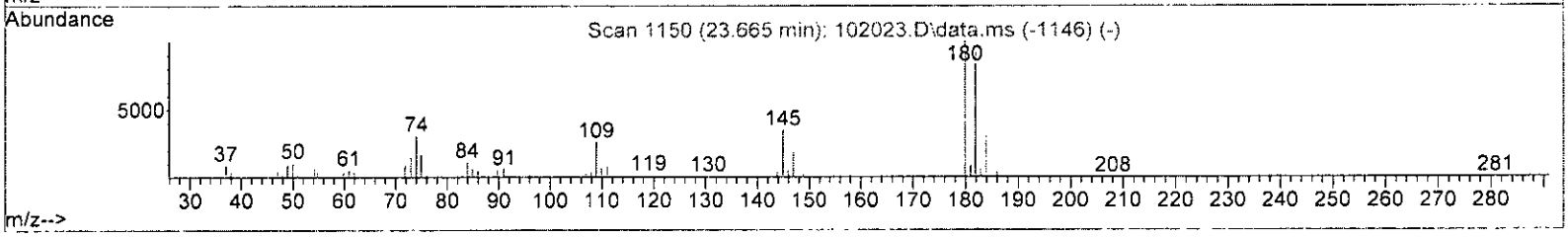
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 111519.D\data.ms

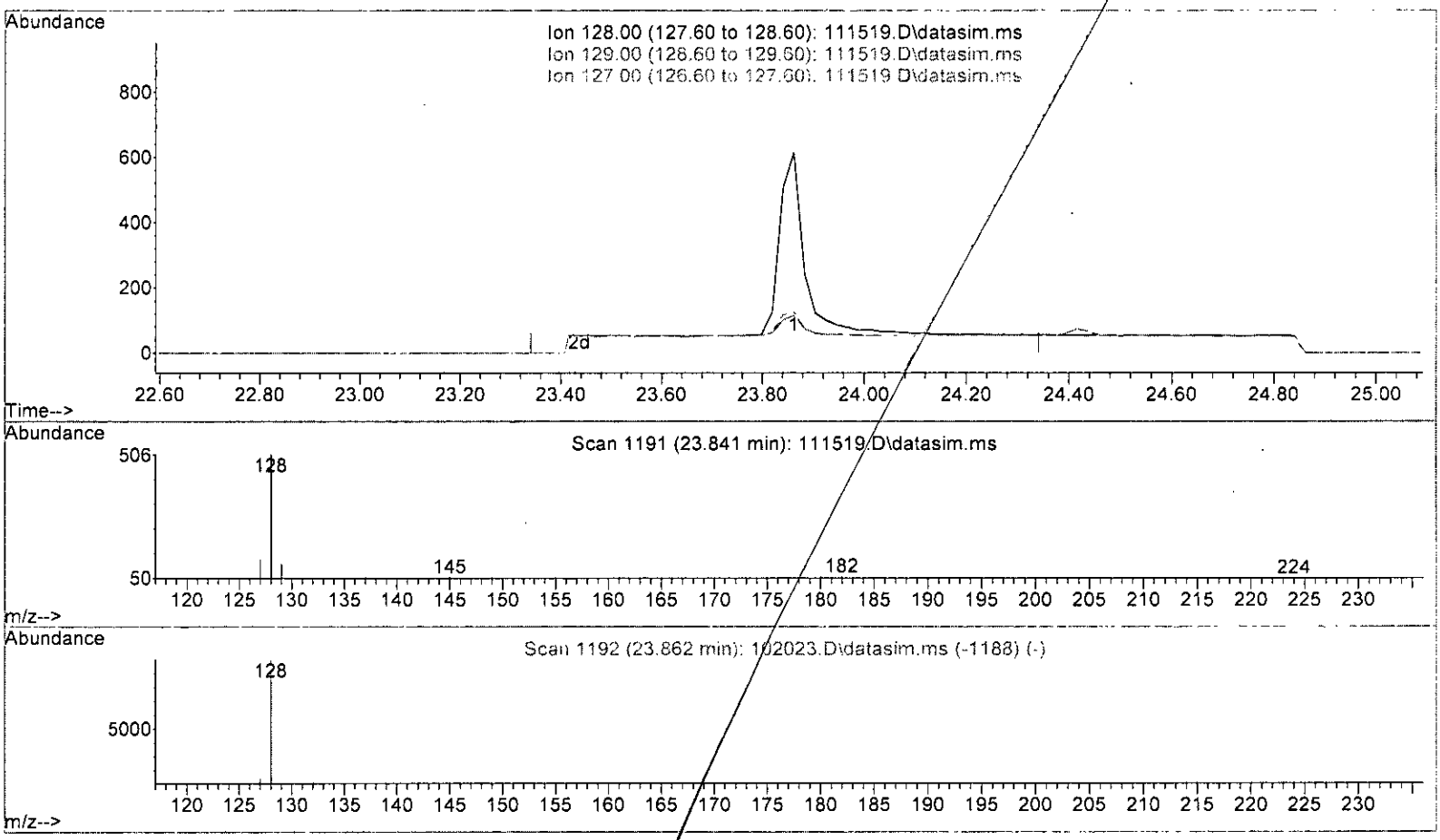
(76) 1,2,4-Trichlorobenzene (TMP)
23.665min (+ 0.022) 0.067 ppbv m
response 956

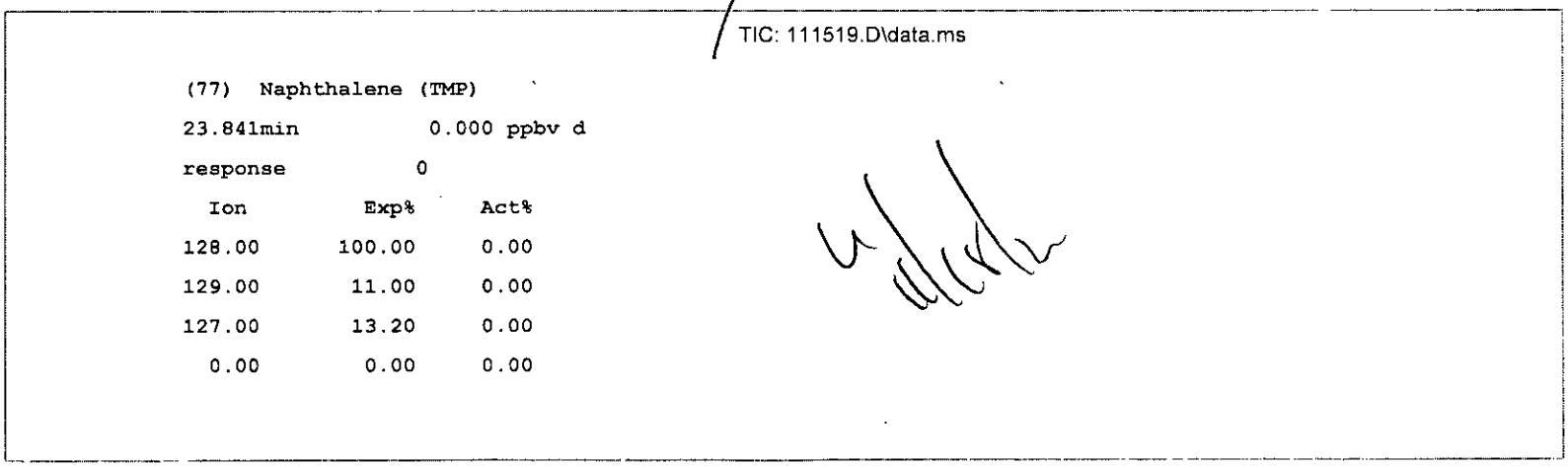
Ion	Exp%	Act%
179.90	100.00	100.00
181.90	94.50	54.52#
144.90	30.80	26.45
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(77) Naphthalene (TMP)

23.841min 0.000 ppbv d

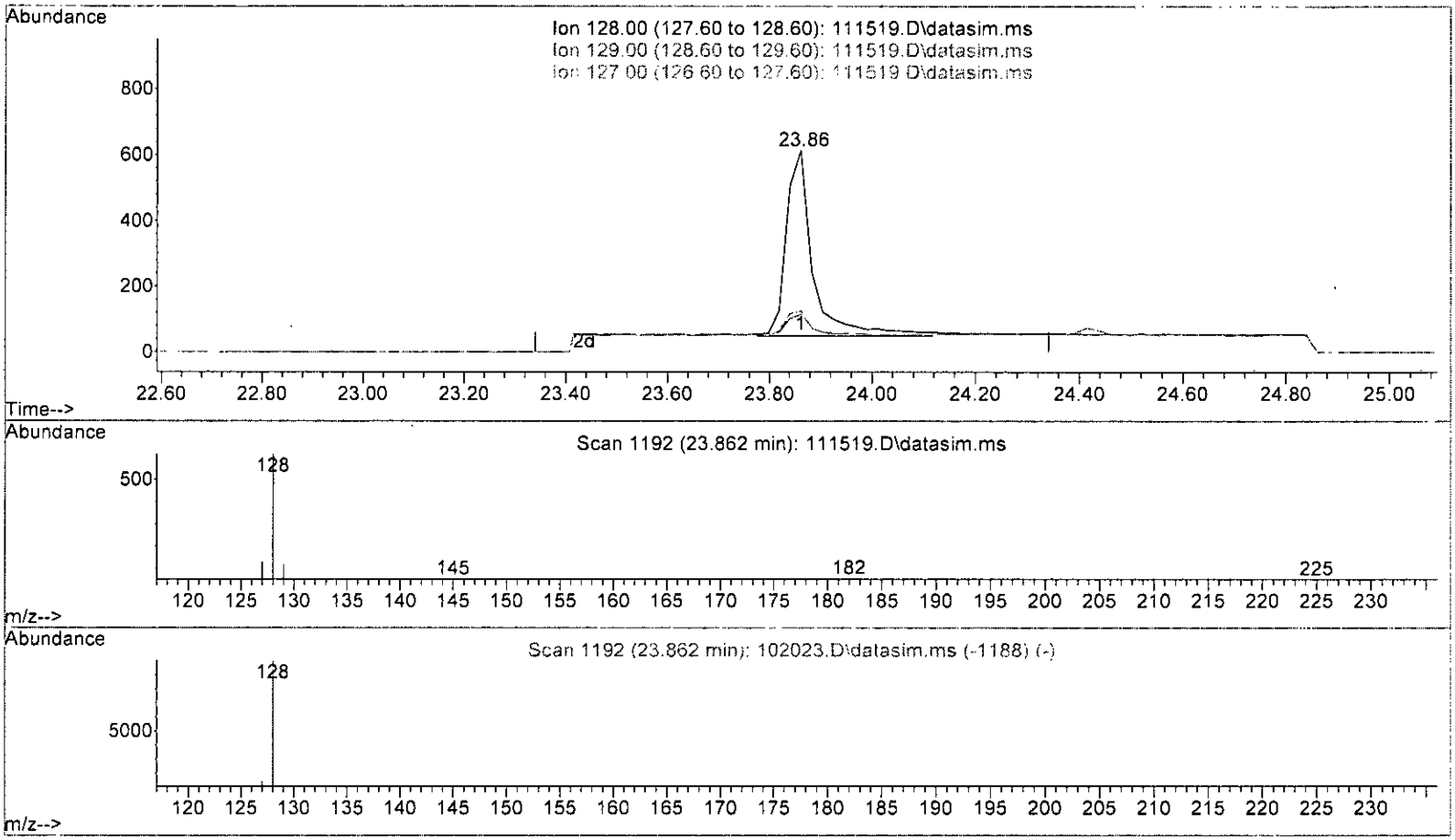
response 0

Ion	Exp%	Act%
128.00	100.00	0.00
129.00	11.00	0.00
127.00	13.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(77) Naphthalene (TMP)

23.862min (+ 0.021) 0.092 ppbv m

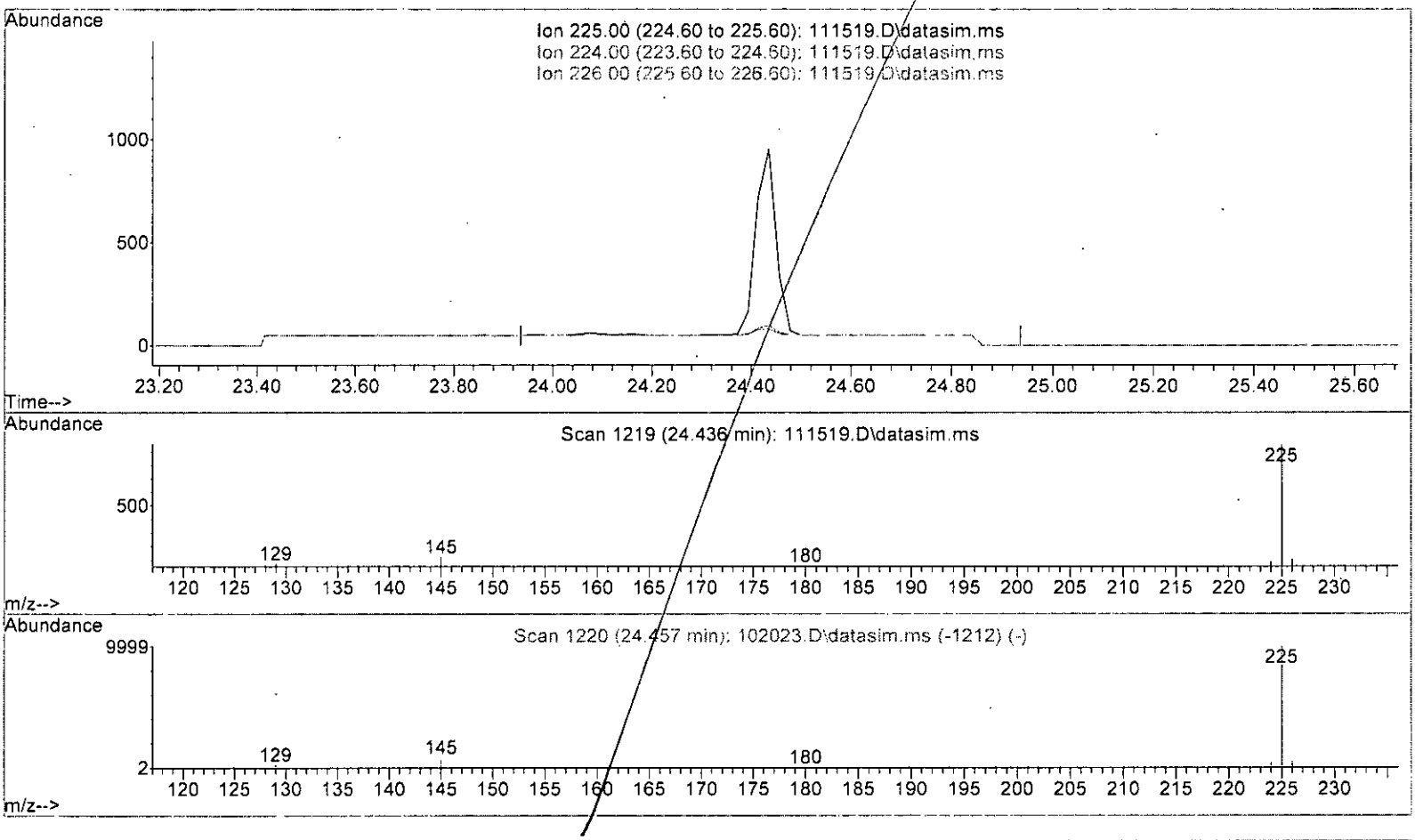
response 2039

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	18.76
127.00	13.20	20.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min 0.000 ppbv d

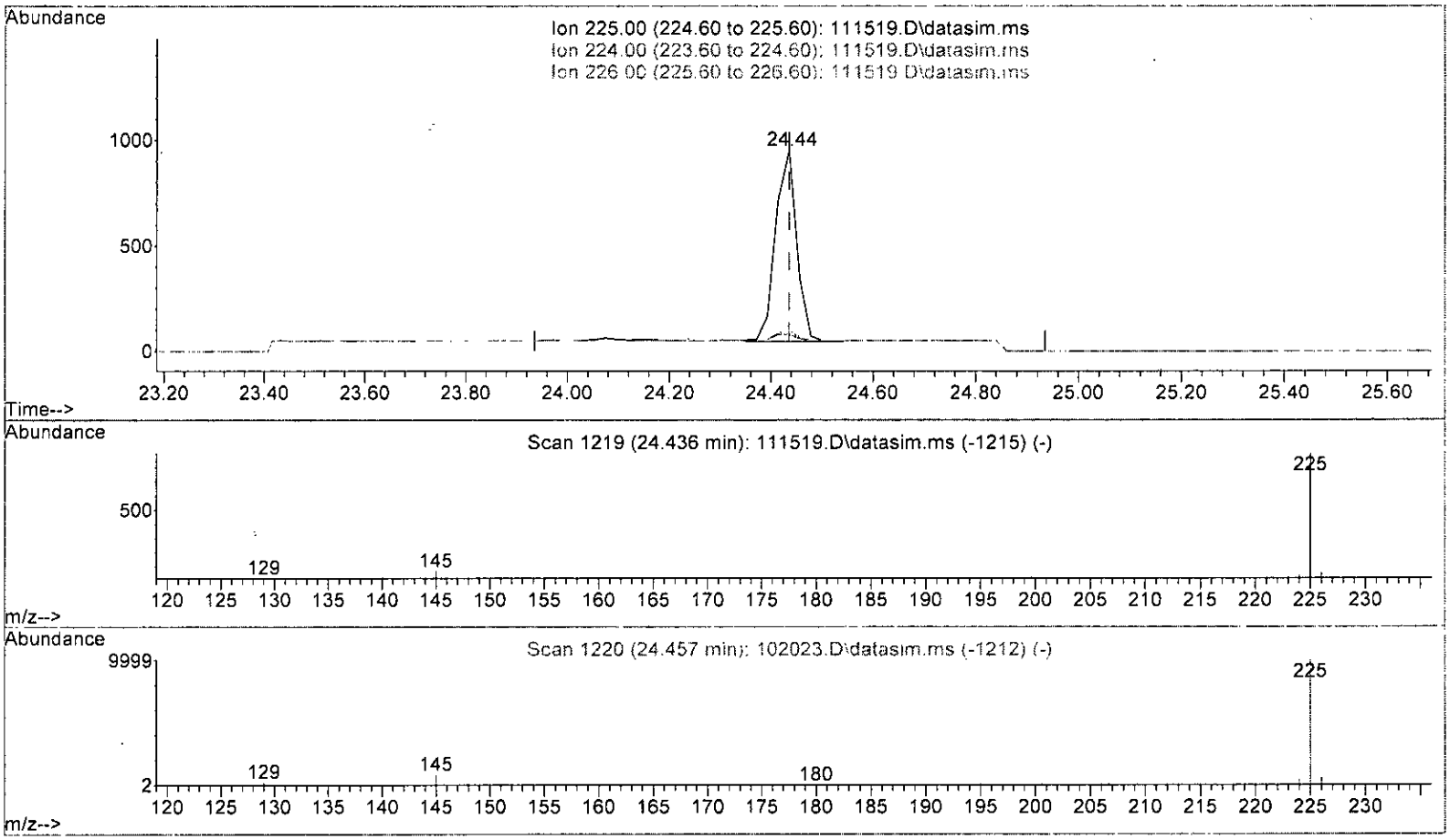
response 0

Ion	Exp%	Act%
225.00	100.00	0.00
224.00	3.70	0.00
226.00	5.20	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111519.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.436min (+ 0.000) 0.099 ppbv m

response 2616

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	8.60
226.00	5.20	10.28
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	62284	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	285873	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	251782	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	157205	9.009	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.10%		
Target Compounds						Qvalue
2) Propene	3.41	41	1650	0.099	ppbv	82
3) Dichlorodifluoromethane	3.49	85	2289	0.089	ppbv	94
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	3.84	85	2866	0.109	ppbv	77
6] Vinyl chloride	4.05	62	1161	0.101	ppbv	97
7] 1,3-Butadiene	4.17	54	728m	0.096	ppbv	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	4.60	94	1683	0.146	ppbv	91
10] Chloroethane	4.84	64	470m	0.115	ppbv	
11] Vinyl bromide	5.28	106	999m	0.100	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.36	56	691m	0.152	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	1029	0.100	ppbv	86
19] trans-1,2-Dichloroethene	8.07	96	987	0.099	ppbv	86
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.15	101	1975	0.091	ppbv #	64
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	2108	0.101	ppbv	98
28] cis-1,2-Dichloroethene	9.62	96	1059	0.101	ppbv	94
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	2435	0.096	ppbv	99
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	10.75	42	1212	0.108	ppbv	67
33) 2-Butanone (MEK)	8.91	72	345	0.090	ppbv #	69
34] 1,2-Dichloroethane (EDC)	11.33	62	1571	0.094	ppbv	98
35] 1,1,1-Trichloroethane	11.81	97	1935m	0.093	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	6181	0.131	ppbv	94
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	1540m	0.099	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

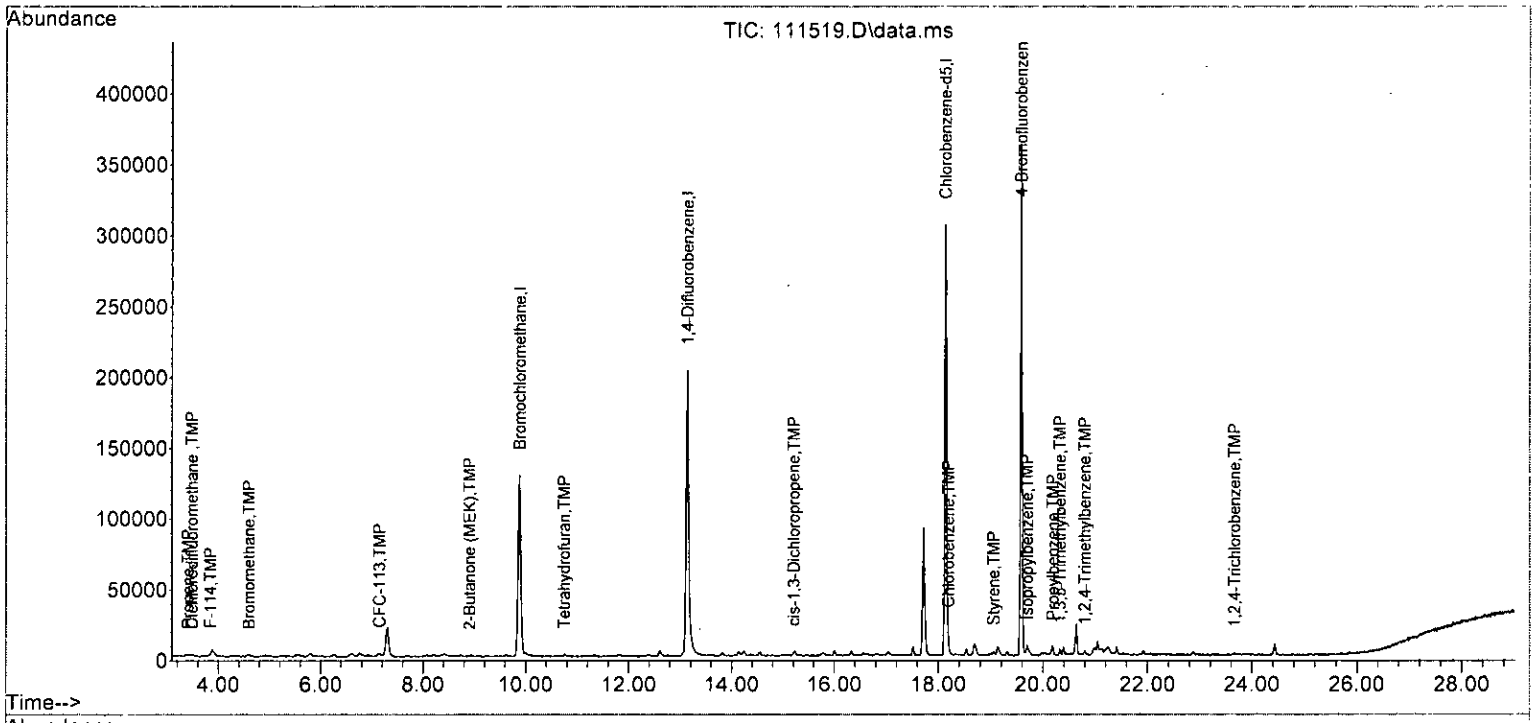
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.12	88	712	0.108	ppbv		80
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d		
43) Methyl methacrylate	0.00		0	N.D.	d		
44) Heptane	0.00		0	N.D.	d		
45) Bromodichloromethane	0.00		0	N.D.	d		
46] Trichloroethene	14.14	95	1810	0.107	ppbv		94
47) cis-1,3-Dichloropropene	15.20	75	1584	0.093	ppbv		92
48) 4-Methyl-2-pentanone	0.00		0	N.D.			
49] trans-1,3-Dichloropropene	15.78	75	1484	0.092	ppbv		84
50] Toluene	16.31	92	2091m	0.103	ppbv		
51] 1,1,2-Trichloroethane	16.00	83	1487	0.094	ppbv		94
52) 2-Hexanone	0.00		0	N.D.	d		
53] Tetrachloroethene	17.52	164	1574	0.112	ppbv		92
54) Dibromochloromethane	0.00		0	N.D.	d		
55] 1,2-Dibromoethane (EDB)	17.04	107	2202m	0.093	ppbv		
57) Chlorobenzene	18.19	112	3473	0.125	ppbv		89
58] Ethylbenzene	18.53	91	4477	0.092	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.11	83	3228	0.091	ppbv		89
60) Nonane	0.00		0	N.D.	d		
61) Isopropylbenzene	19.70	105	4501	0.100	ppbv	#	90
62) 2-Chlorotoluene	0.00		0	N.D.	d		
63) Propylbenzene	20.19	91	6637	0.080	ppbv		96
64) 4-Ethyltoluene	0.00		0	N.D.	d		
65] m,p-Xylene	18.70	106	2860	0.179	ppbv		97
66] o-Xylene	19.15	106	1396	0.090	ppbv		99
67) Styrene	19.05	104	1737	0.084	ppbv		74
68) Bromoform	0.00		0	N.D.			
70] Benzyl chloride	20.95	91	1628m	0.058	ppbv		
71) 1,3,5-Trimethylbenzene	20.32	105	3200m	0.088	ppbv		
72) 1,2,4-Trimethylbenzene	20.80	105	2264m	0.132	ppbv		
73] 1,3-Dichlorobenzene	20.98	146	2242m	0.088	ppbv		
74] 1,4-Dichlorobenzene	21.05	146	1951m	0.082	ppbv		
75] 1,2-Dichlorobenzene	21.41	146	2266m	0.088	ppbv		
76) 1,2,4-Trichlorobenzene	23.66	180	956m	0.067	ppbv		
77] Naphthalene	23.86	128	2039m	0.092	ppbv		
78] Hexachlorobutadiene	24.44	225	2616m	0.099	ppbv		

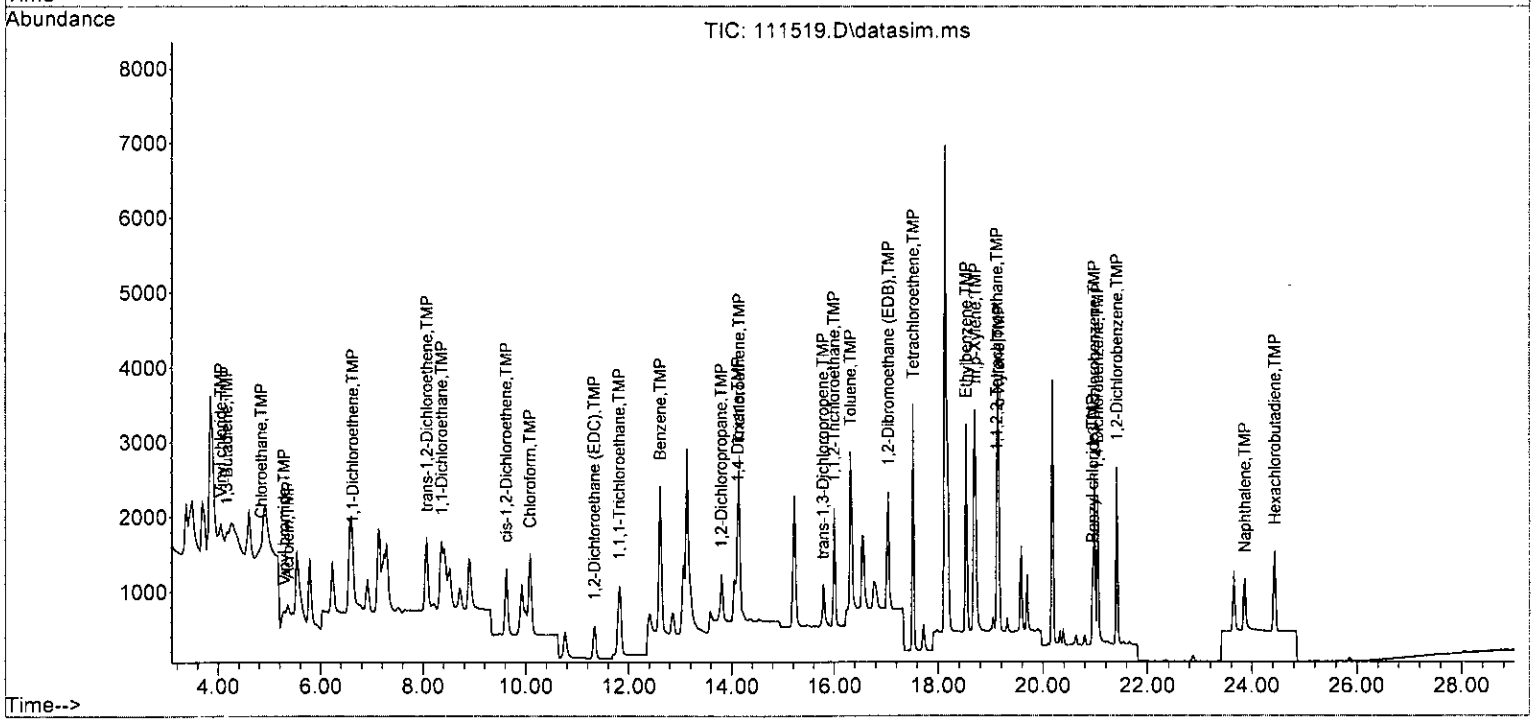
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.100	0.099	1.0	100	0.00
3	TMP	Dichlorodifluoromethane	0.100	0.089	11.0	100	0.00
4	TMP	Chloromethane	0.100	0.000	100.0#	0	-3.73#
5	TMP	F-114	0.100	0.109	-9.0	100	-0.04
6	TMP	Vinyl chloride	0.100	0.101	-1.0	100	-0.04
7	TMP	1,3-Butadiene	0.100	0.096	4.0	97	-0.12
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	0.100	0.146	-46.0#	100	0.00
10	TMP	Chloroethane	0.100	0.115	-15.0	104	0.00
11	TMP	Vinyl bromide	0.100	0.100	0.0	96	-0.04
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.100	0.152	-52.0#	99	-0.06
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	0.100	0.000	100.0#	0	-5.84#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.100	0.100	0.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.100	0.099	1.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.94#
23	TMP	CFC-113	0.100	0.091	9.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.43#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.100	0.101	-1.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.100	0.101	-1.0	100	-0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.100	0.096	4.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	0.100	0.108	-8.0	100	0.00
33	TMP	2-Butanone (MEK)	0.100	0.090	10.0	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	0.100	0.094	6.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.100	0.093	7.0	100	-0.01
36	TMP	Carbon tetrachloride	0.100	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.100	0.131	-31.0#	100	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.100	0.099	1.0	97	0.00
41	TMP	1,4-Dioxane	0.100	0.108	-8.0	100	0.02
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.100	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.100	0.107	-7.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.100	0.093	7.0	100	0.00
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.100	0.092	8.0	100	0.00
50	TMP	Toluene	0.100	0.103	-3.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.100	0.094	6.0	100	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	0.100	0.112	-12.0	100	0.00
54	TMP	Dibromochloromethane	0.100	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.100	0.093	7.0	96	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.100	0.125	-25.0	100	0.00
58	TMP	Ethylbenzene	0.100	0.092	8.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.100	0.091	9.0	100	-0.02
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.100	0.100	0.0	100	0.00
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	0.100	0.080	20.0	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.200	0.179	10.5	100	0.00
66	TMP	o-Xylene	0.100	0.090	10.0	100	0.00
67	TMP	Styrene	0.100	0.084	16.0	100	0.00
68	TMP	Bromoform	0.100	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.009	9.9	100	0.00
70	TMP	Benzyl chloride	0.100	0.058	42.0#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.100	0.088	12.0	97	-0.07
72	TMP	1,2,4-Trimethylbenzene	0.100	0.132	-32.0#	100	0.00
73	TMP	1,3-Dichlorobenzene	0.100	0.088	12.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.100	0.082	18.0	97	0.00
75	TMP	1,2-Dichlorobenzene	0.100	0.088	12.0	98	0.00
76	TMP	1,2,4-Trichlorobenzene	0.100	0.067	33.0#	100	0.02
77	TMP	Naphthalene	0.100	0.092	8.0	104	0.02
78	TMP	Hexachlorobutadiene	0.100	0.099	1.0	102	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	2.649	-70.2#	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.675	10.9	100	0.00
4	TMP	Chloromethane	1.882	0.000#	100.0#	0#	-3.73#
5	TMP	F-114	4.217	4.602	-9.1	100	-0.04
6	TMP	Vinyl chloride	1.851	1.864	-0.7	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.169	3.9	97	-0.12
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	2.702	-46.3#	100	0.00
10	TMP	Chloroethane	0.655	0.755	-15.3	104	0.00
11	TMP	Vinyl bromide	1.609	1.604	0.3	96	-0.04
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	1.109	-52.1#	99	-0.06
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	0.000#	100.0#	0#	-5.84#
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.652	-0.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.585	0.8	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	0.000	100.0#	0#	-6.94#
23	TMP	CFC-113	3.469	3.171	8.6	100	0.00
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	0.000#	100.0#	0#	-8.43#
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.384	-1.3	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.700	-0.6	100	-0.02
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	3.910	3.7	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	1.946	-7.6	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.554	10.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.522	6.1	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.107	7.1	100	-0.01
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	9.924	-74.5#	100	0.00
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.539	0.4	97	0.00
41	TMP	1,4-Dioxane	0.230	0.249	-8.3	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111519.D
Acq On : 16 Nov 2022 5:54 am
Operator : bat
Sample : 0.1 ppbv 67-196c
Misc : T5, 250cc of 0.1ppbv
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 13:30:08 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

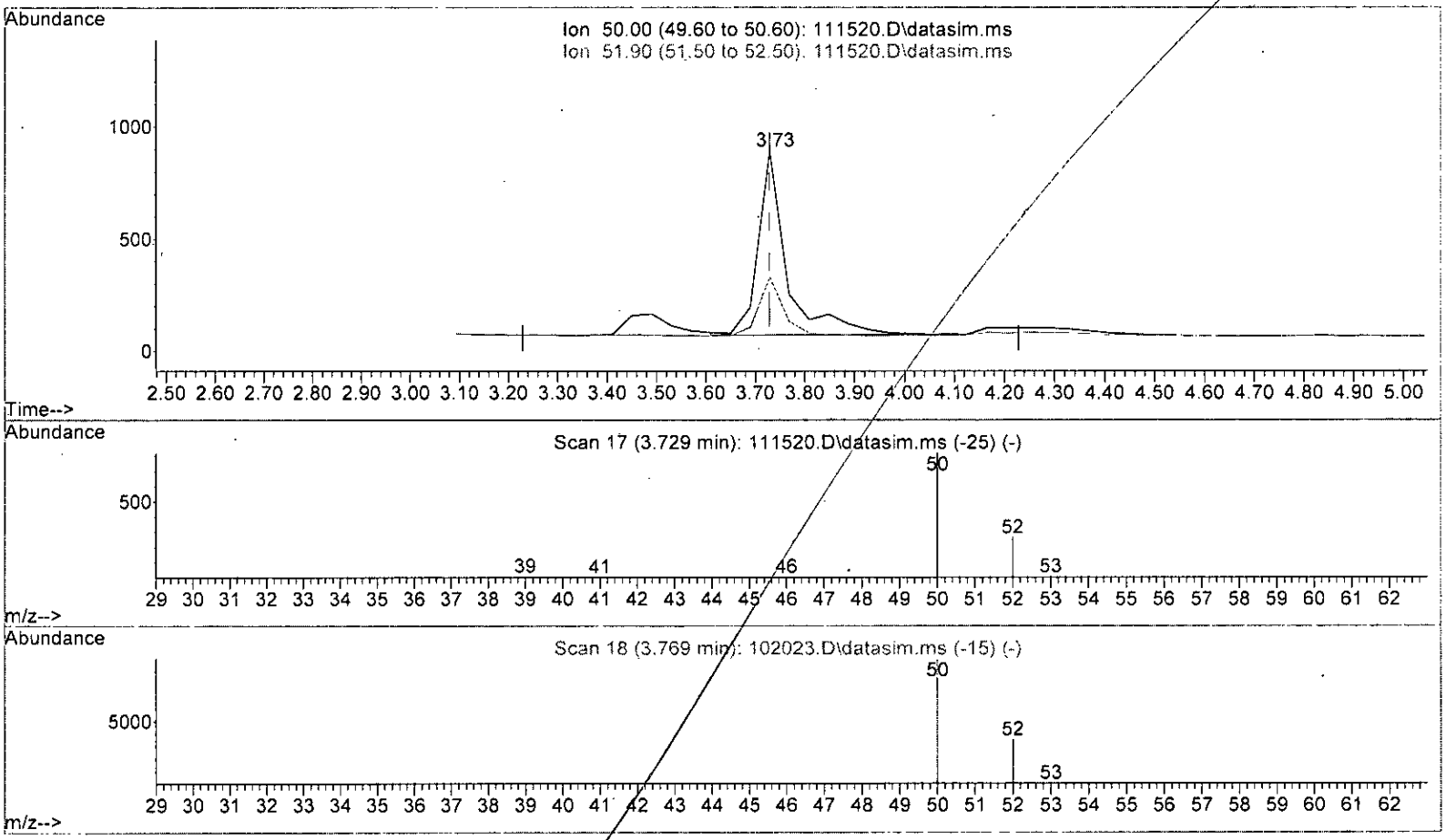
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.633	-6.7	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.554	7.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.519	7.8	100	0.00
50	TMP	Toluene	0.707	0.731	-3.4	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.520	5.5	100	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.551	-12.4	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.770	6.6	96	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.379	-25.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.778	9.7	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.282	8.0	100	-0.02
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	1.788	0.2	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	2.636	19.9	100	0.00
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.568	10.3	100	0.00
66	TMP	o-Xylene	0.615	0.554	9.9	100	0.00
67	TMP	Styrene	0.819	0.690	15.8	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.624	10.0	100	0.00
70	TMP	Benzyl chloride	0.987	0.647	34.4#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.271	12.3	97	-0.07
72	TMP	1,2,4-Trimethylbenzene	1.247	0.899	27.9	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.890	12.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.775	18.2	97	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.900	12.1	98	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.380	39.3#	100	0.02
77	TMP	Naphthalene	1.132	0.810	28.4	104	0.02
78	TMP	Hexachlorobutadiene	1.045	1.039	0.6	102	0.00

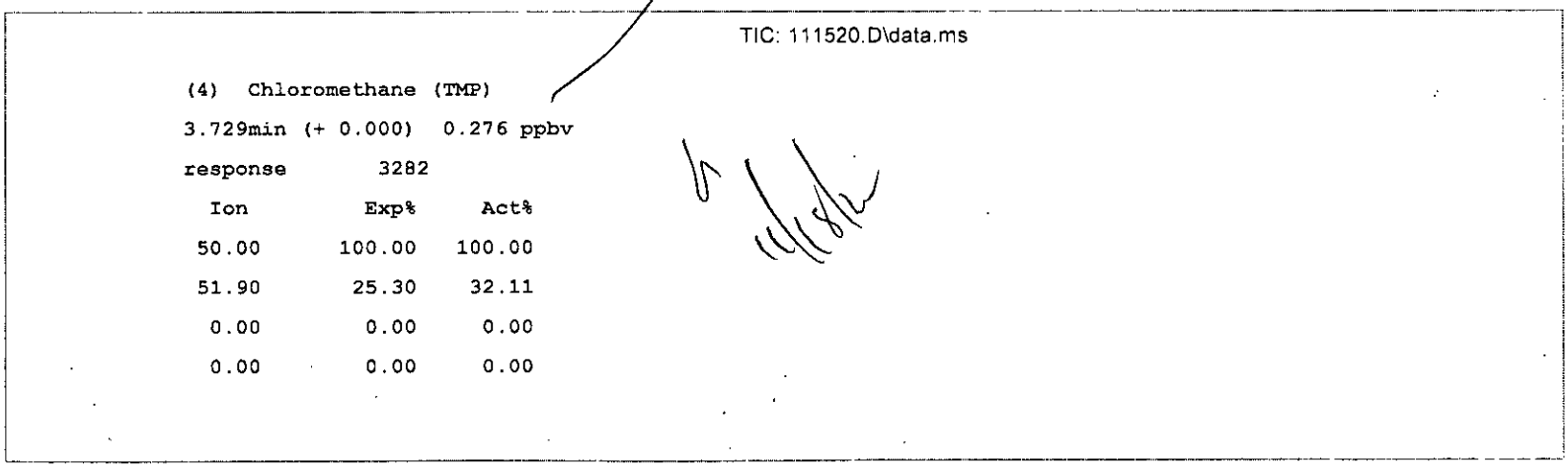
(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.276 ppbv

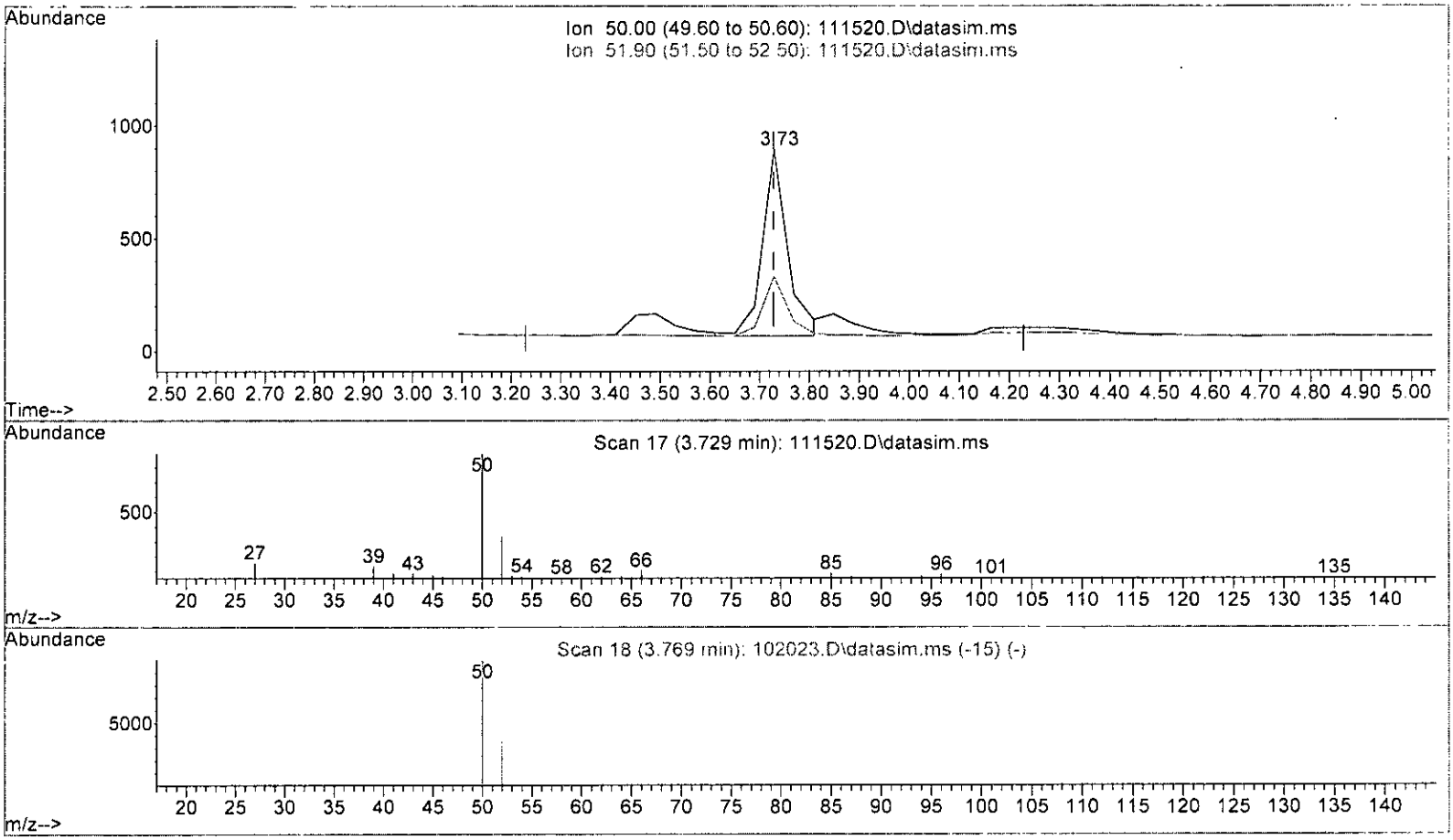
response 3282

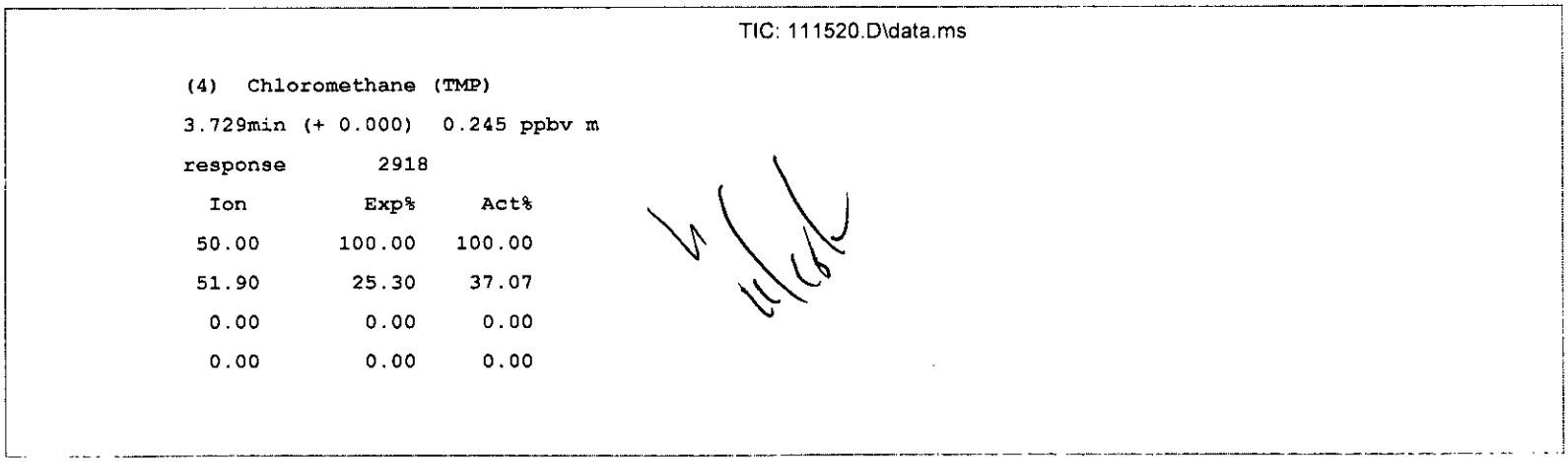
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.245 ppbv m

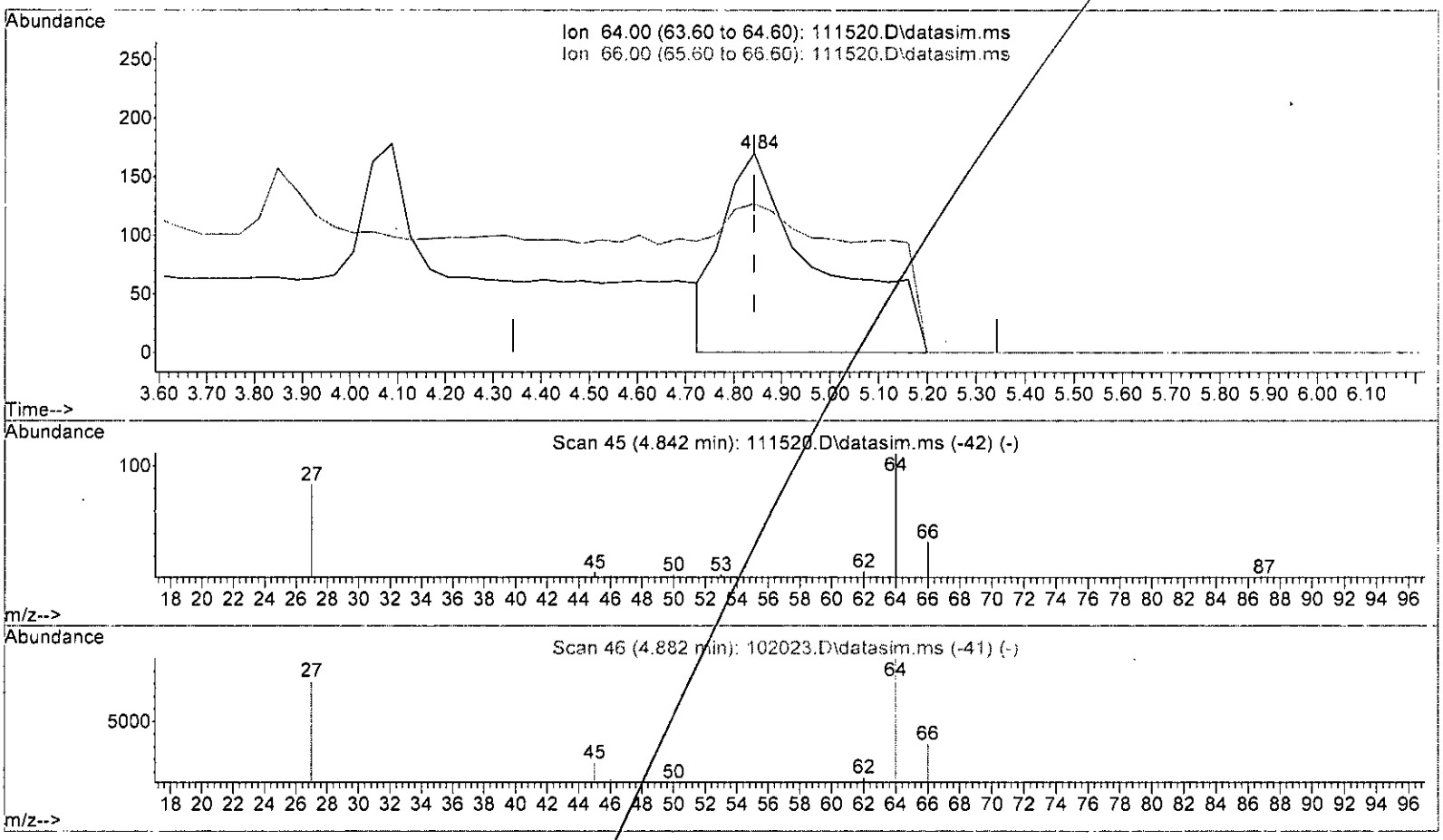
response 2918

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	37.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.557 ppbv

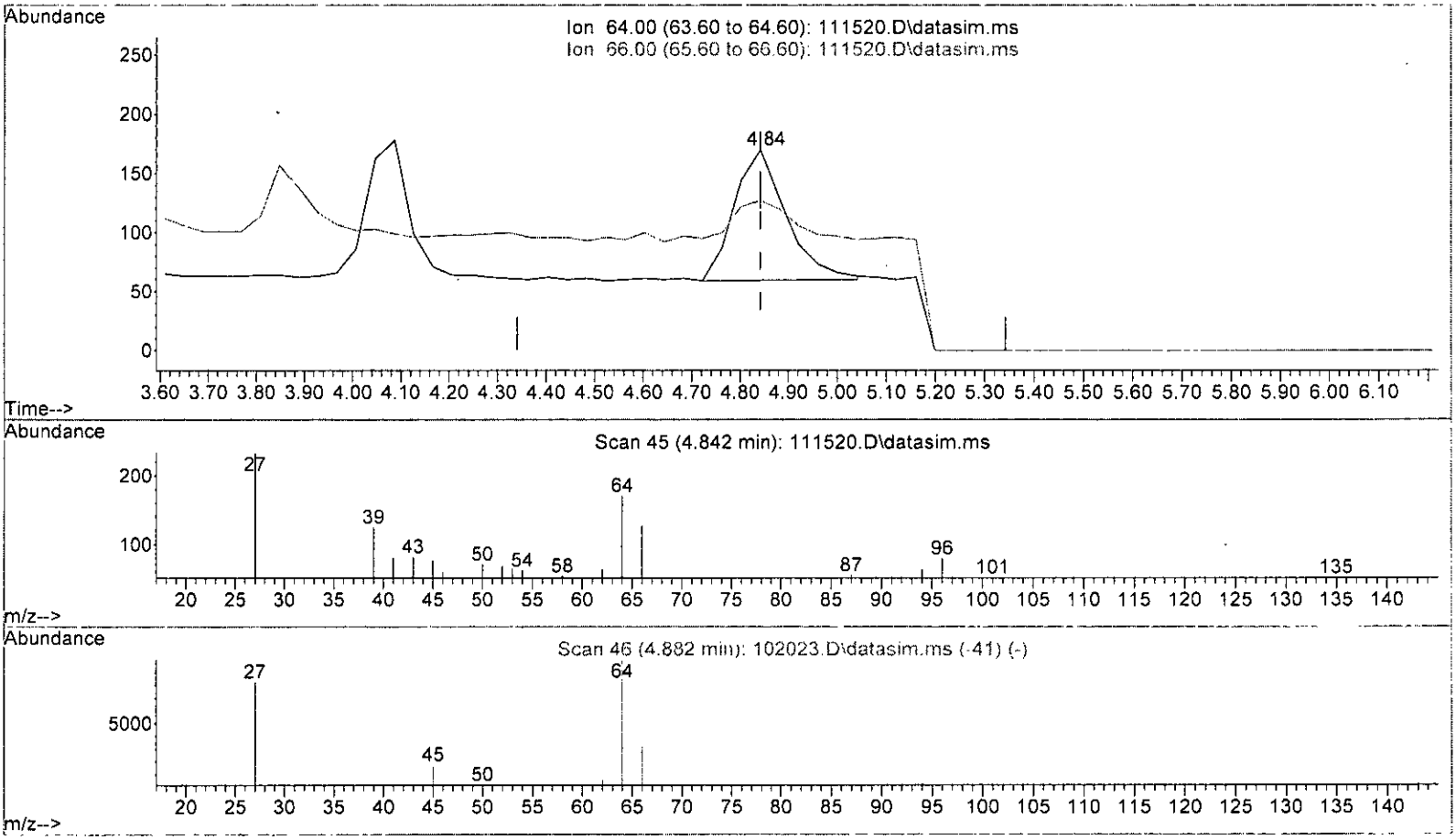
response 2305

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	74.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.199 ppbv m

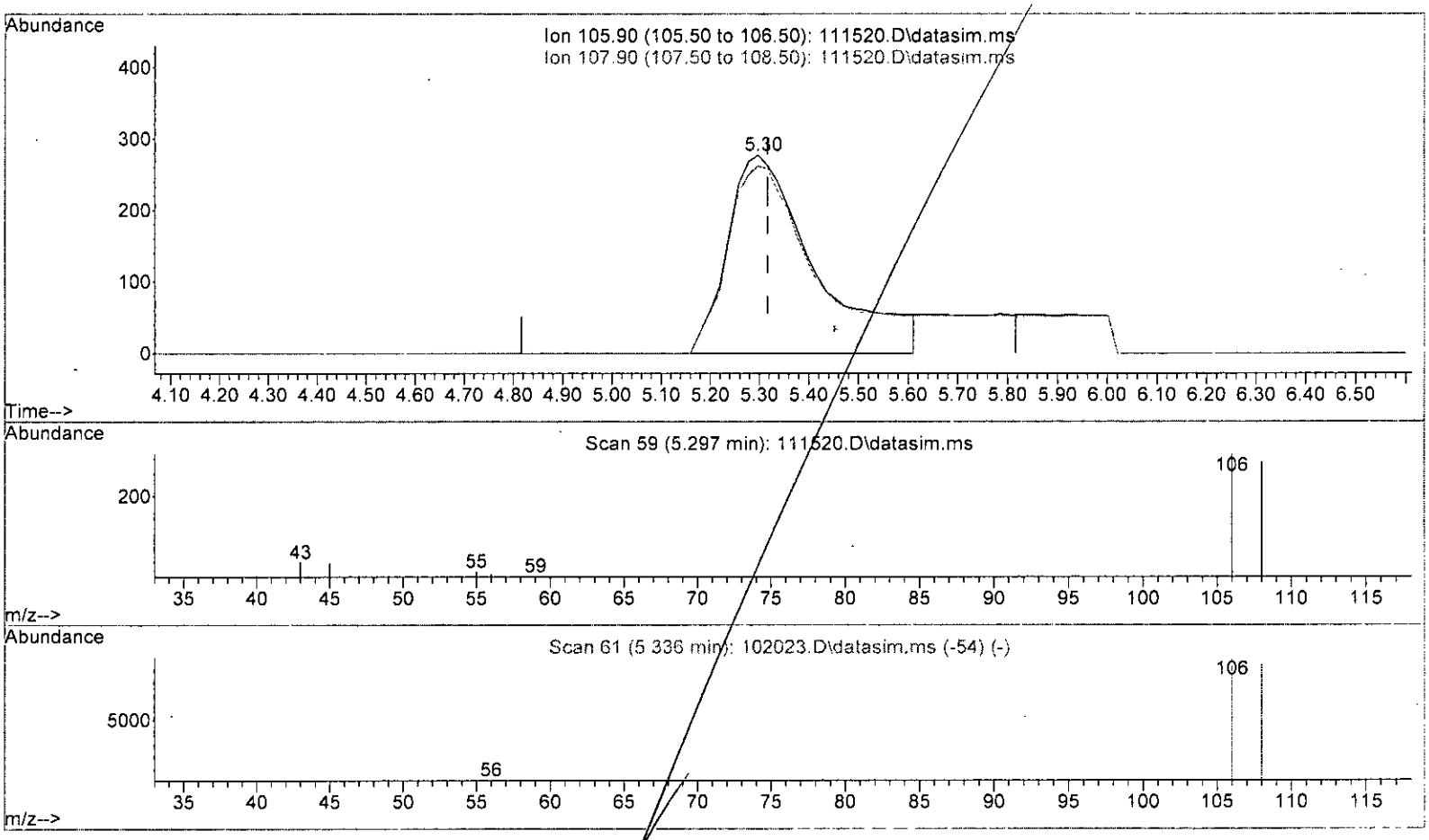
response 825

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	74.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

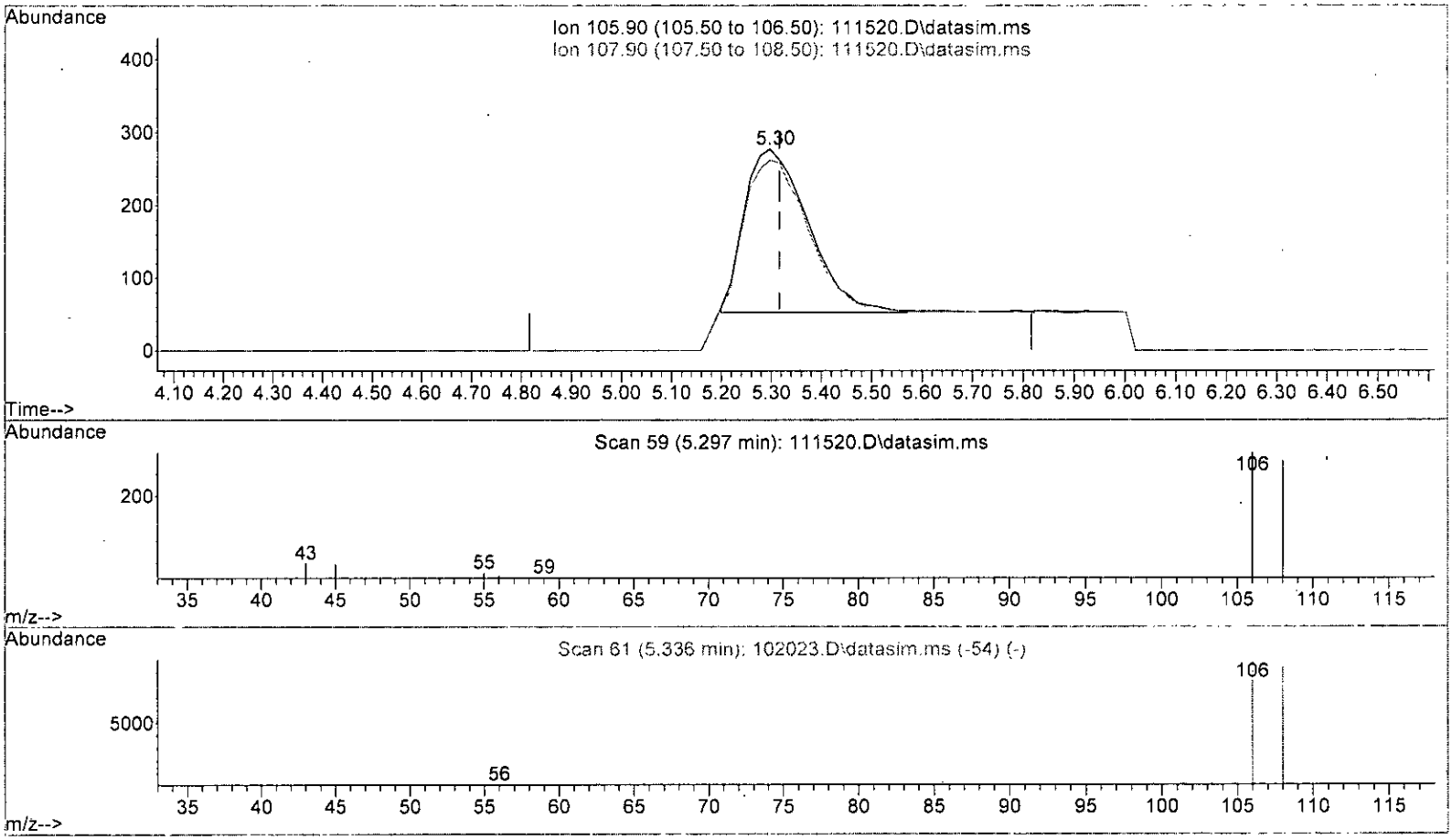
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.359 ppbv
response 3654

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	100.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

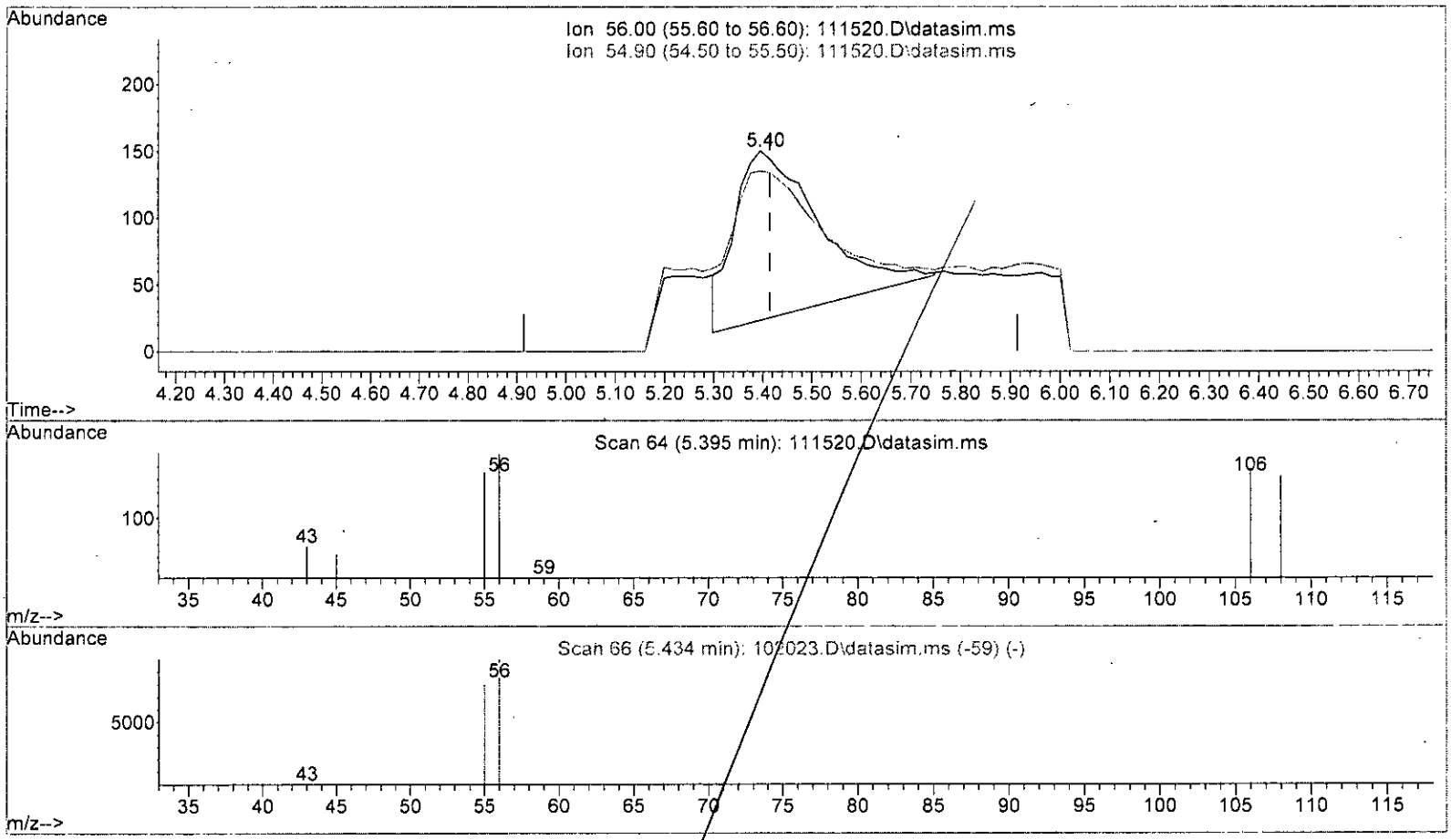
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.196 ppbv m
response 1998

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	183.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.324 ppbv

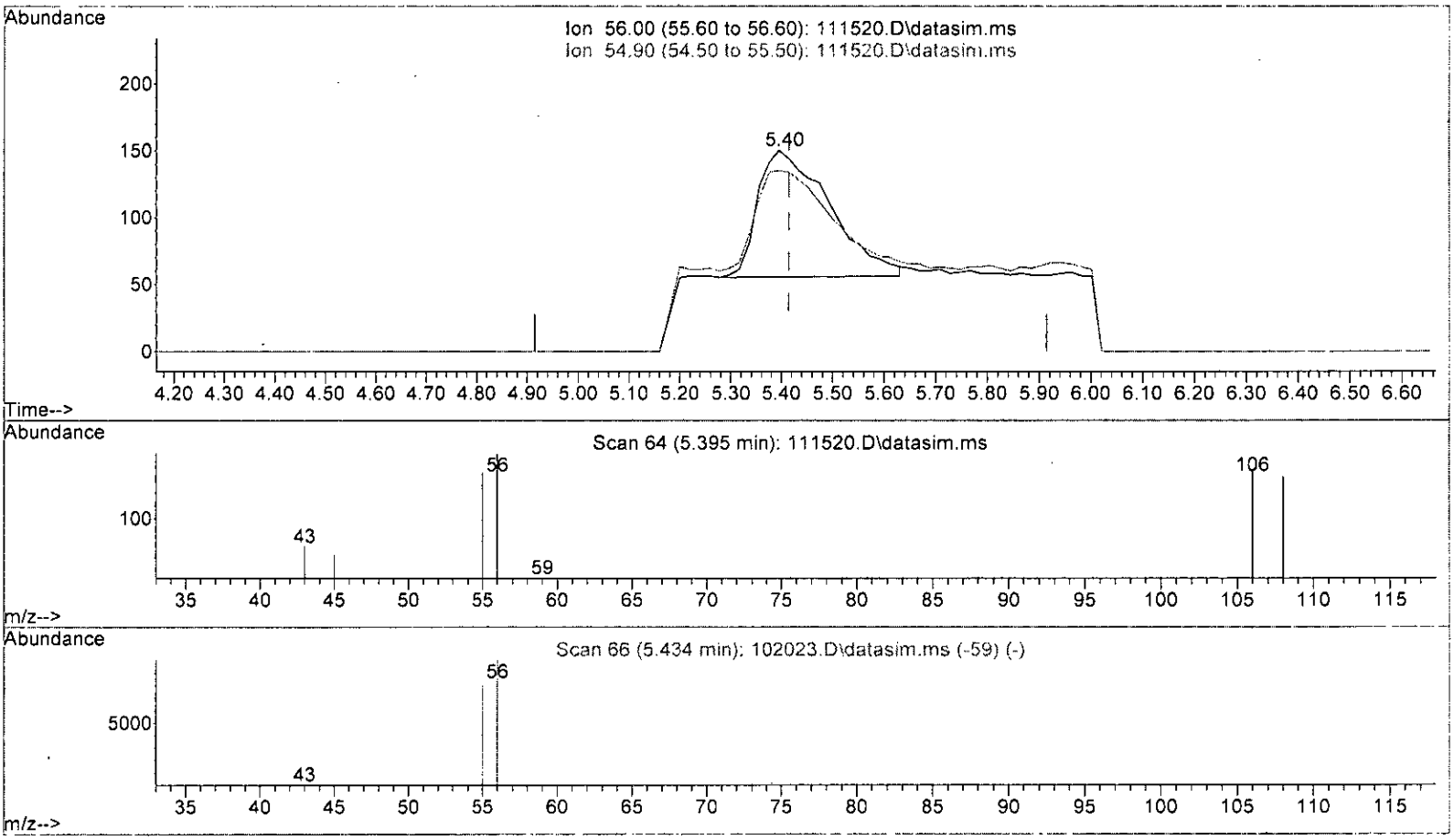
response 1496

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	93.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.201 ppbv m

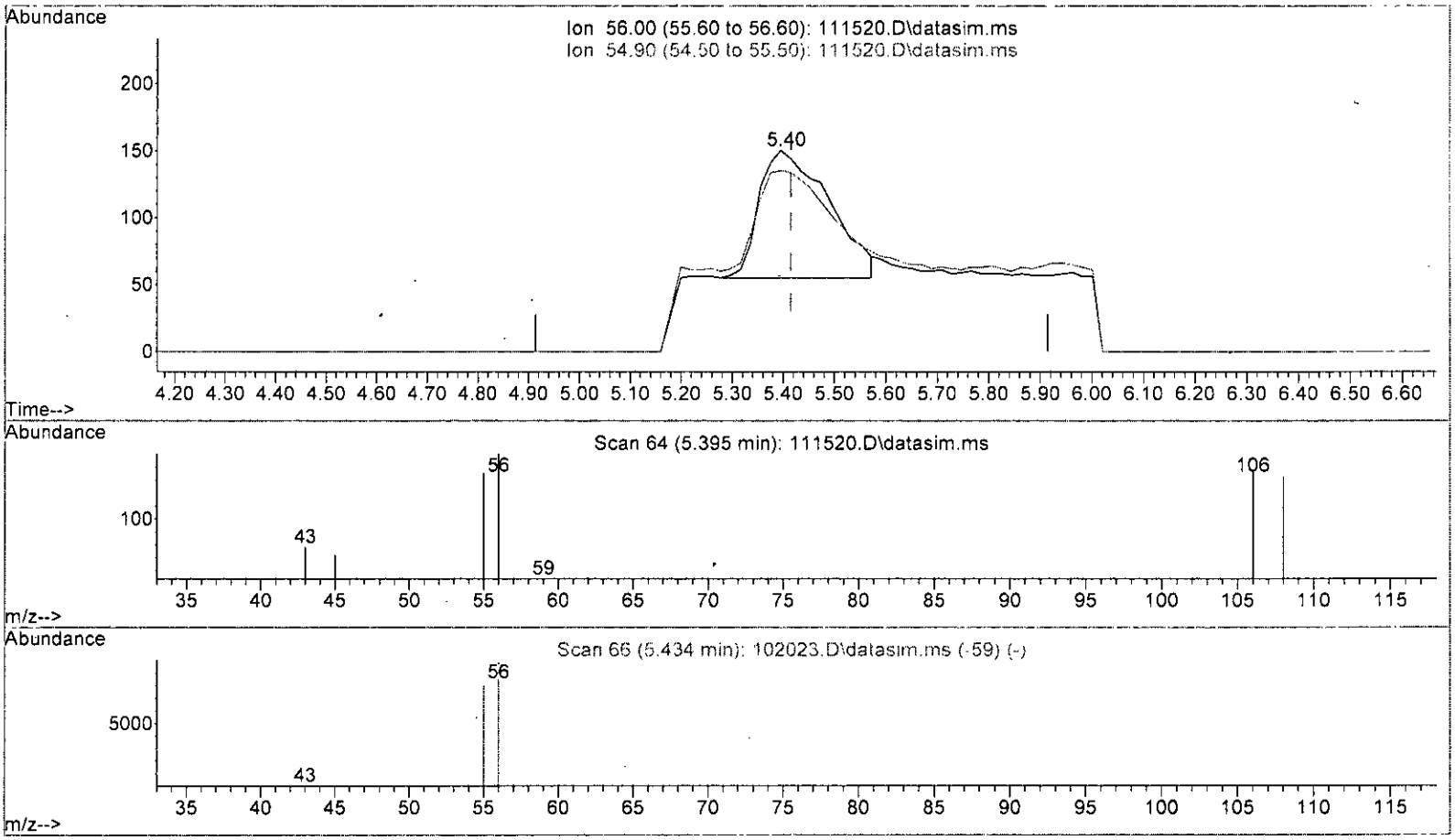
response 926

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	151.30#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 0.195 ppbv m

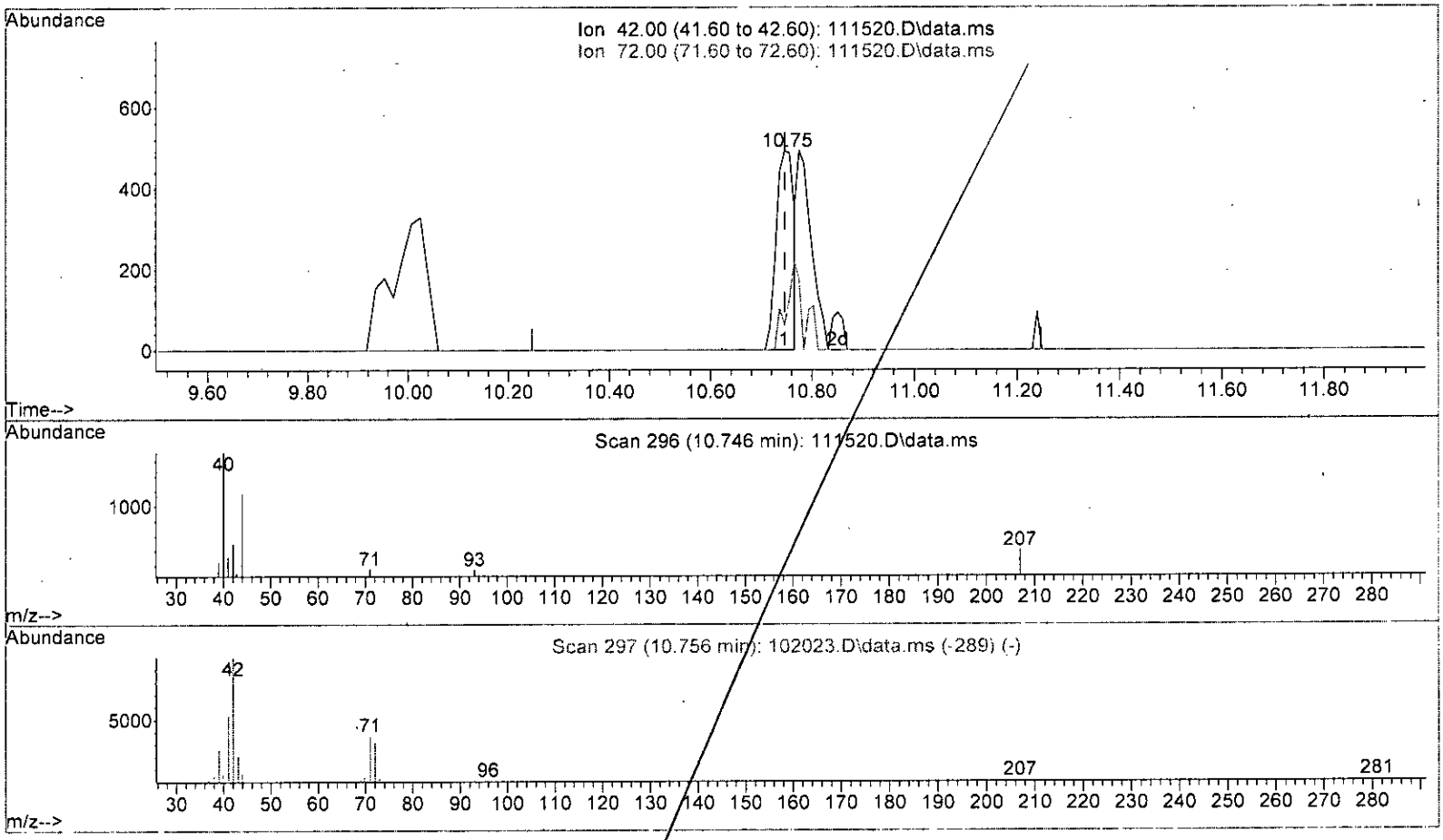
response 899

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	155.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

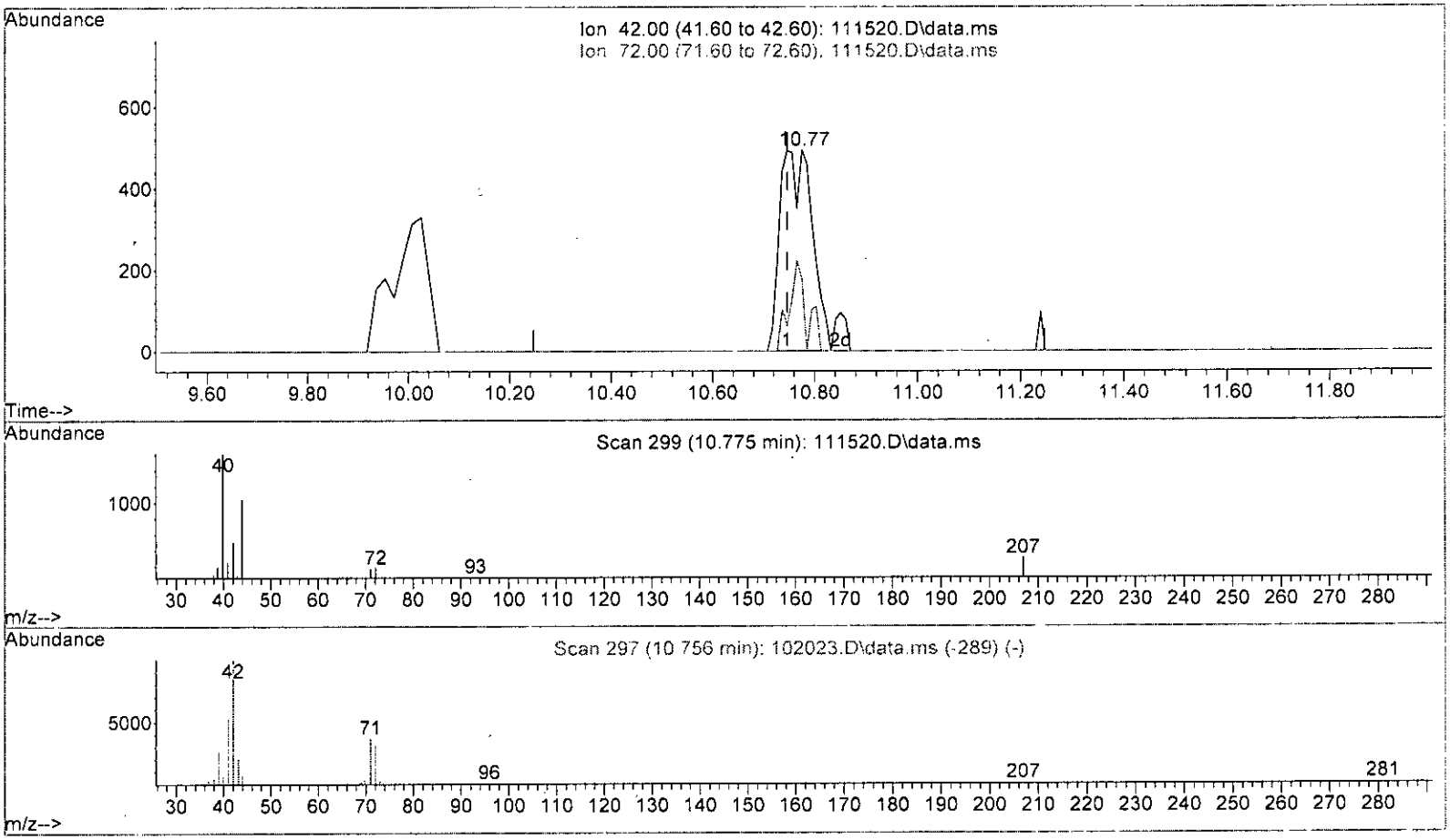
(32) Tetrahydrofuran (TMP)
10.746min (-0.001) 0.102 ppbv
response 1164

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	33.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(32) Tetrahydrofuran (TMP)

10.775min (+ 0.028) 0.198 ppbv m

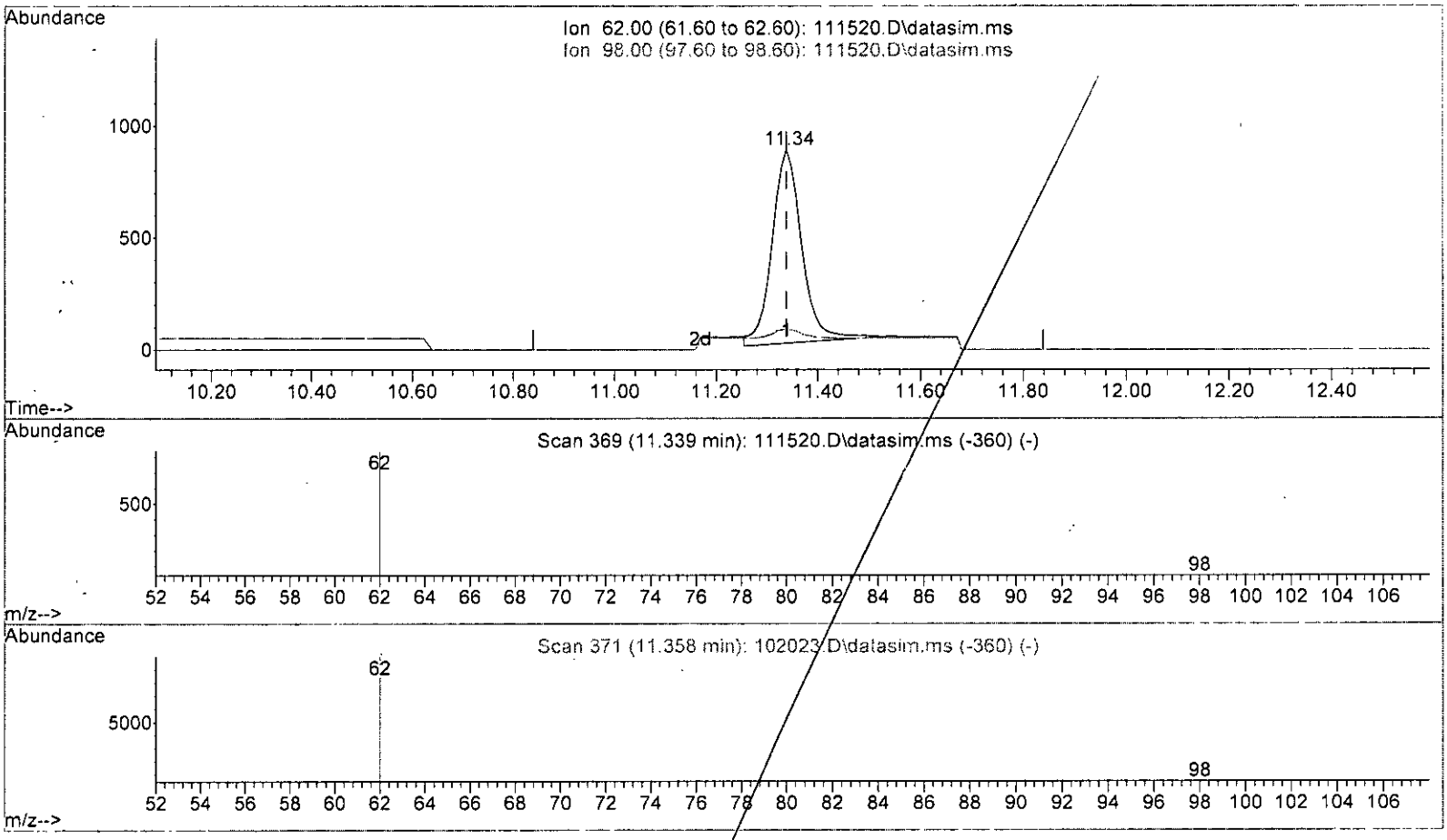
response 2272

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	17.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.211 ppbv

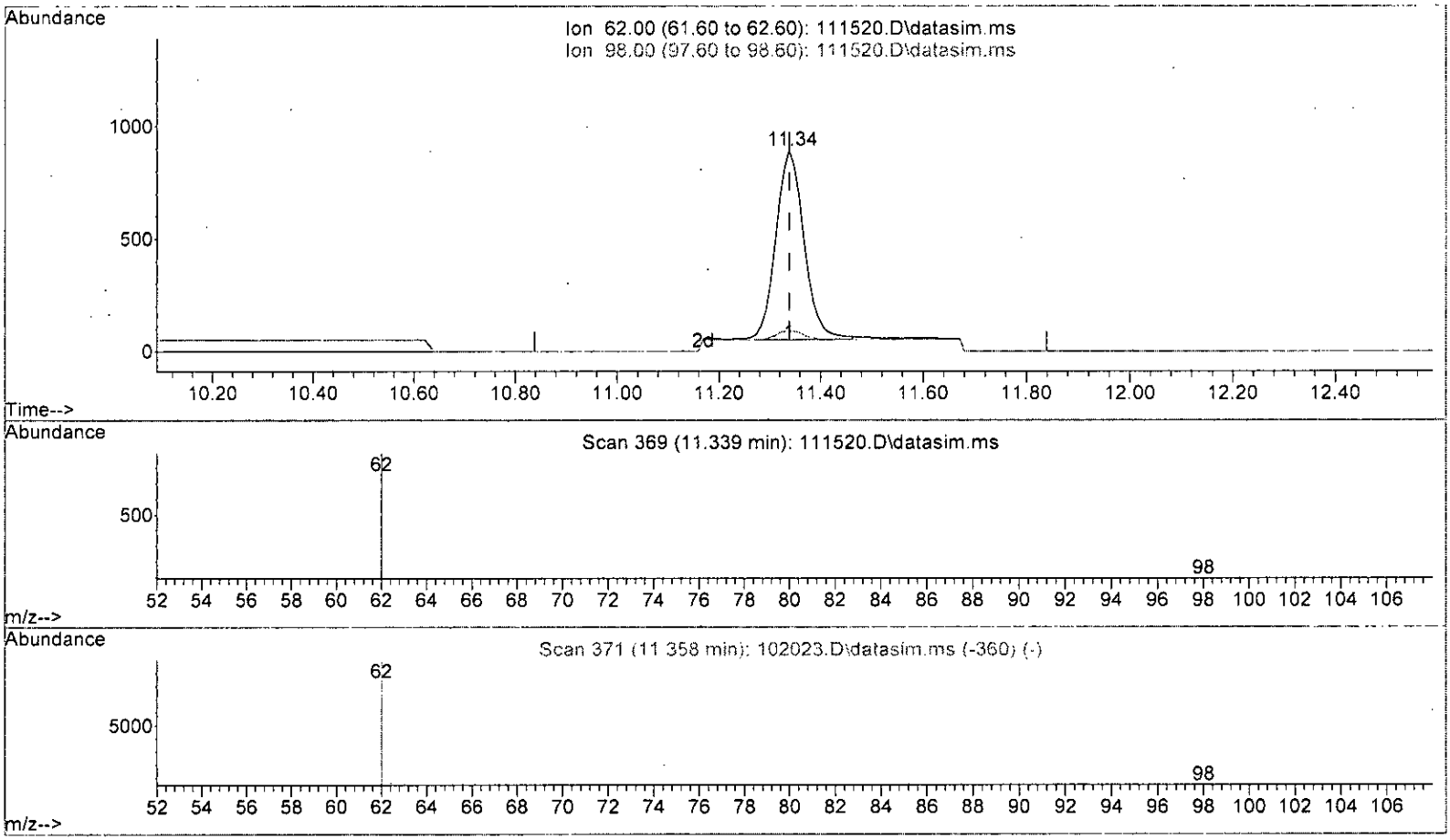
response 3514

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.193 ppbv m

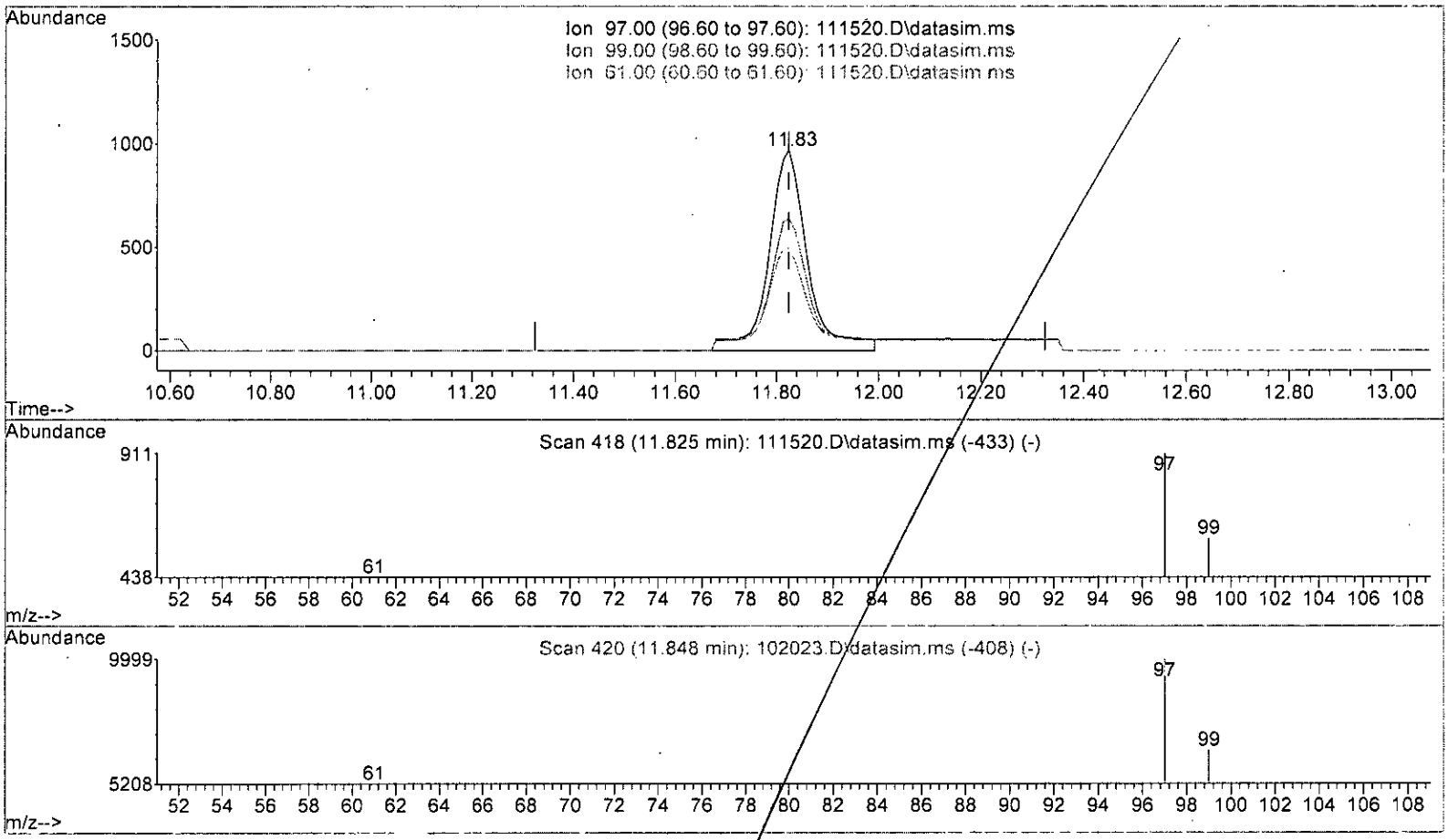
response 3226

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	10.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.240 ppbv

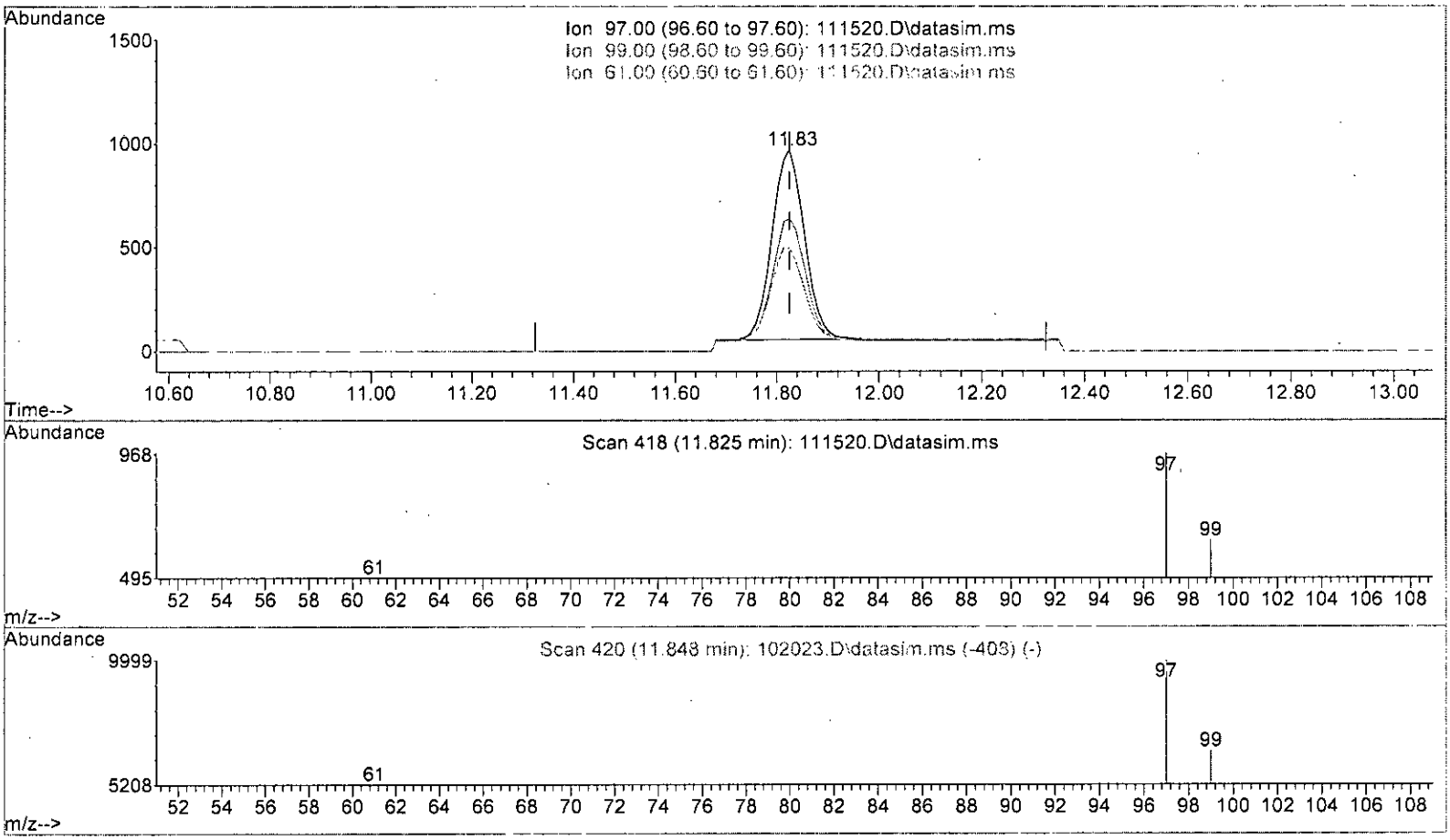
response 5068

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.74
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

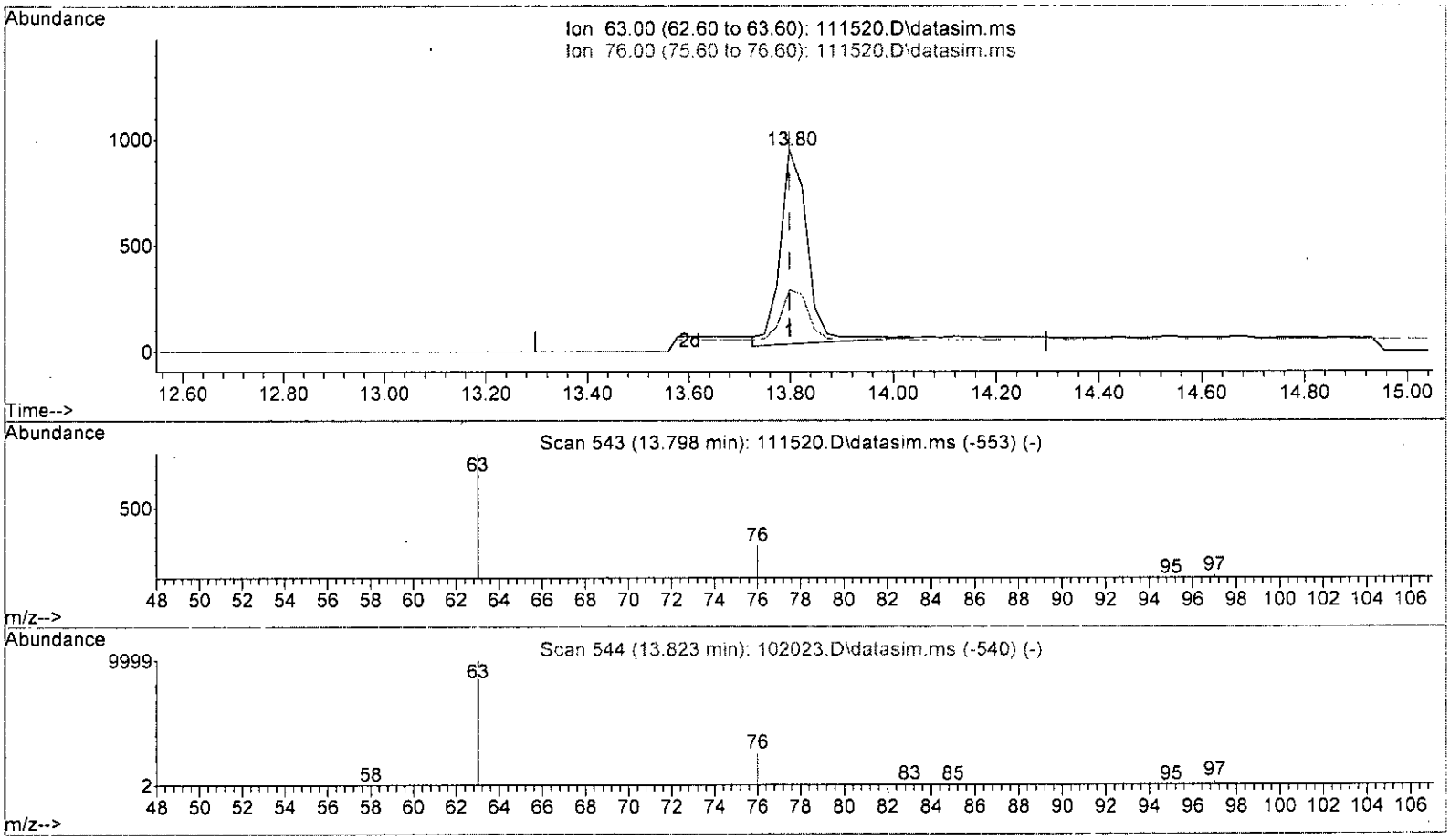
(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 0.189 ppbv m
response 4009

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.74
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.222 ppbv

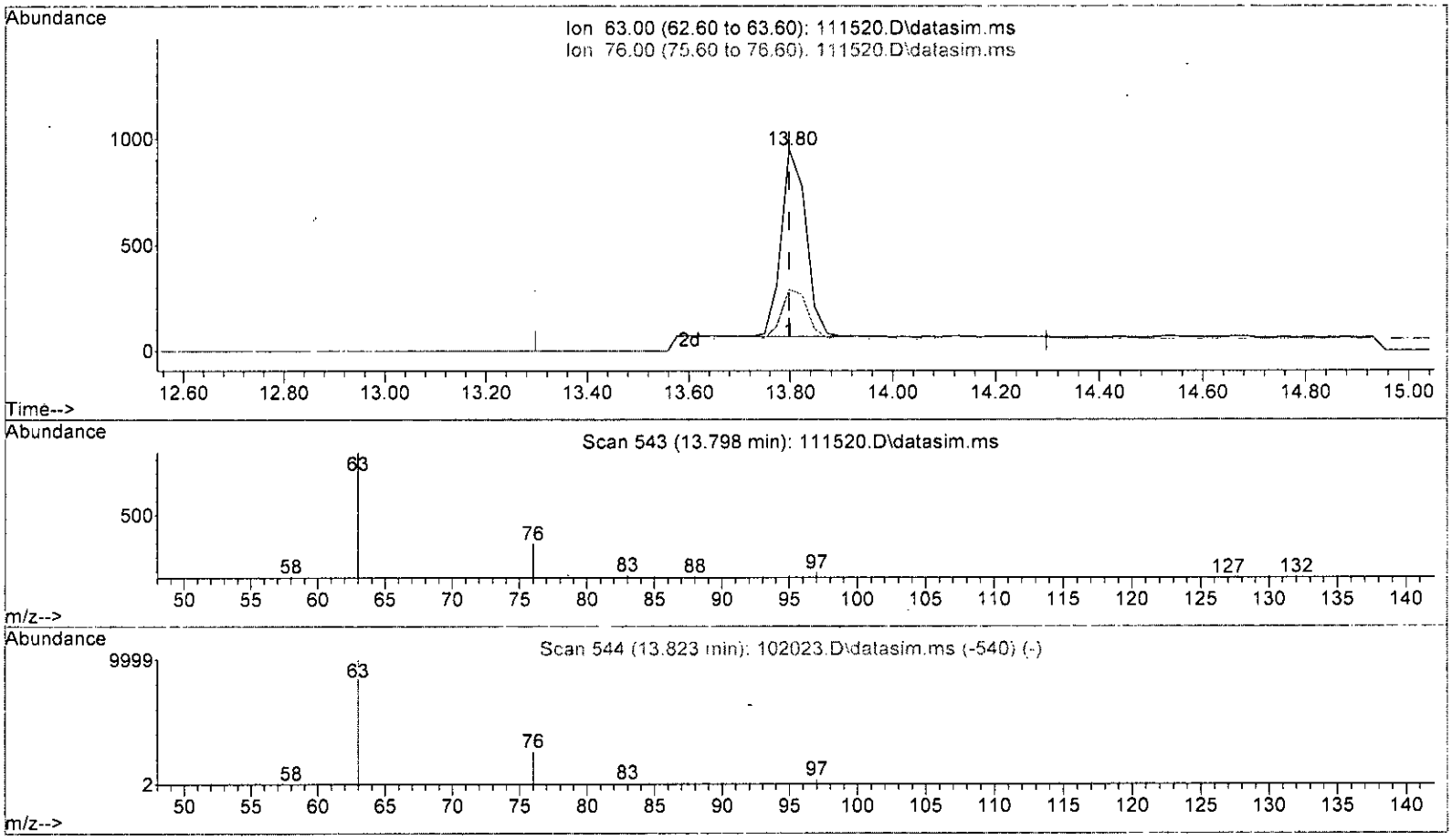
response 3383

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.798min (+ 0.000) 0.194 ppbv m

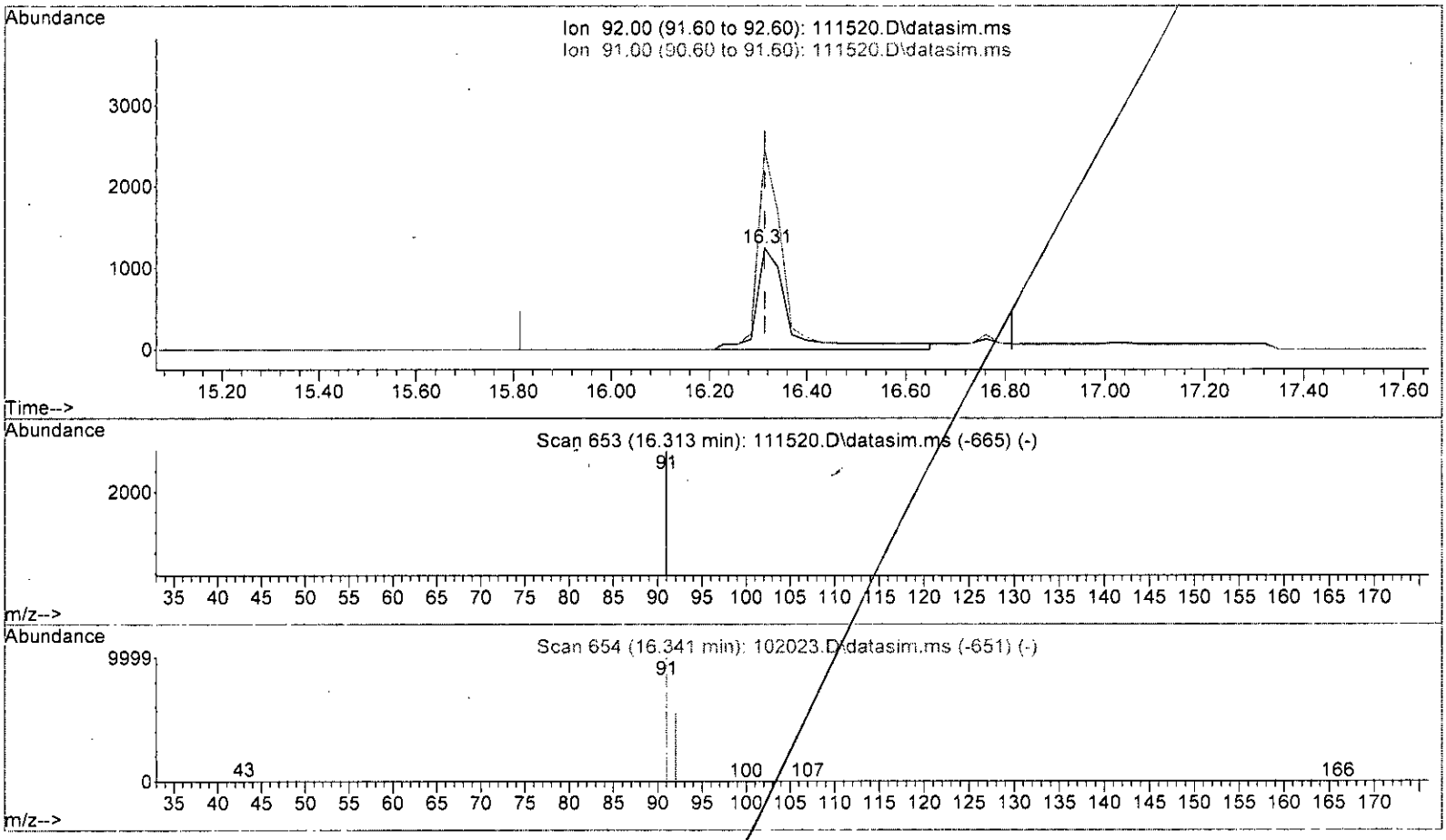
response 2962

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	30.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.287 ppbv

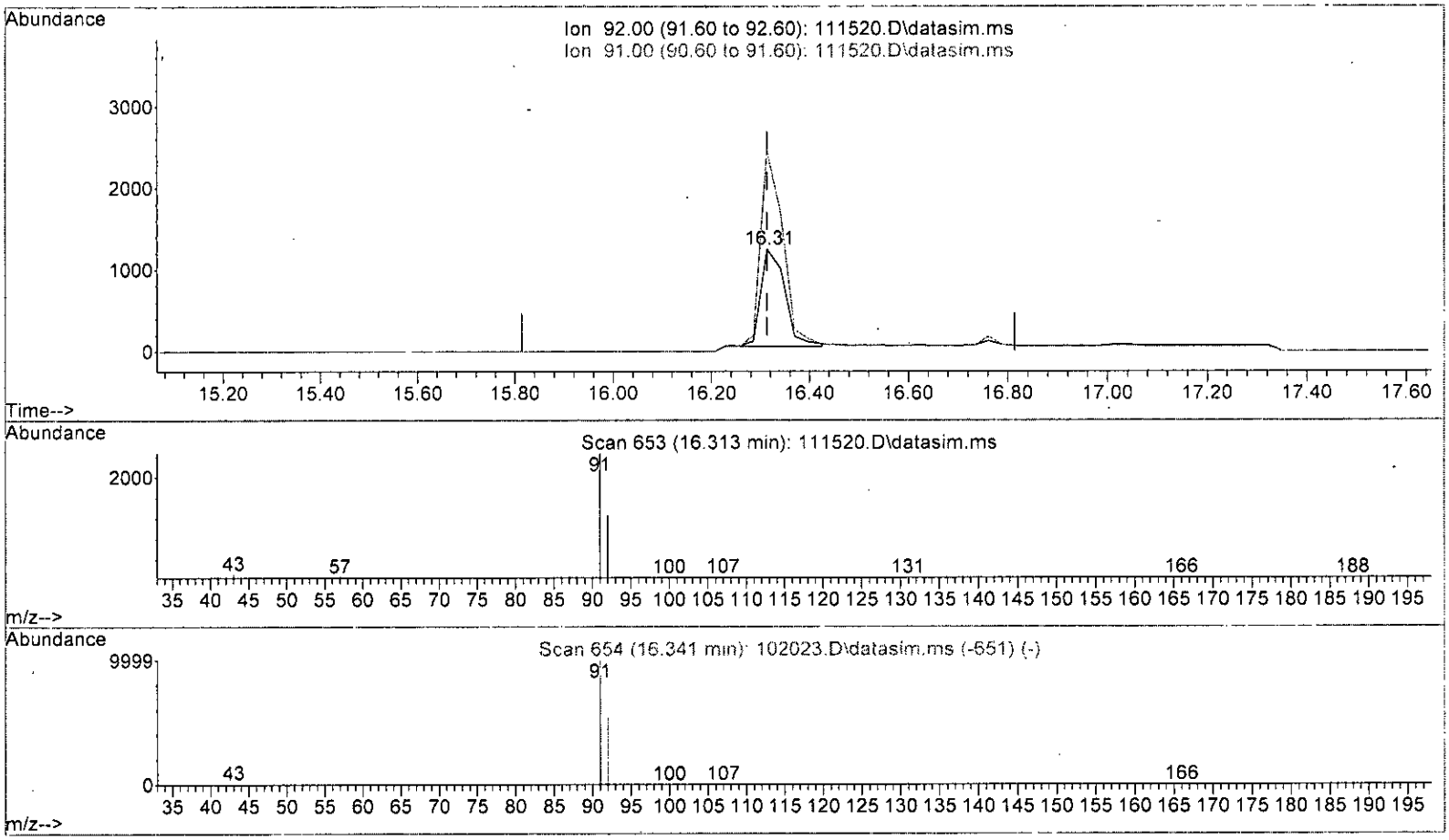
response 5731

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	196.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.204 ppbv m

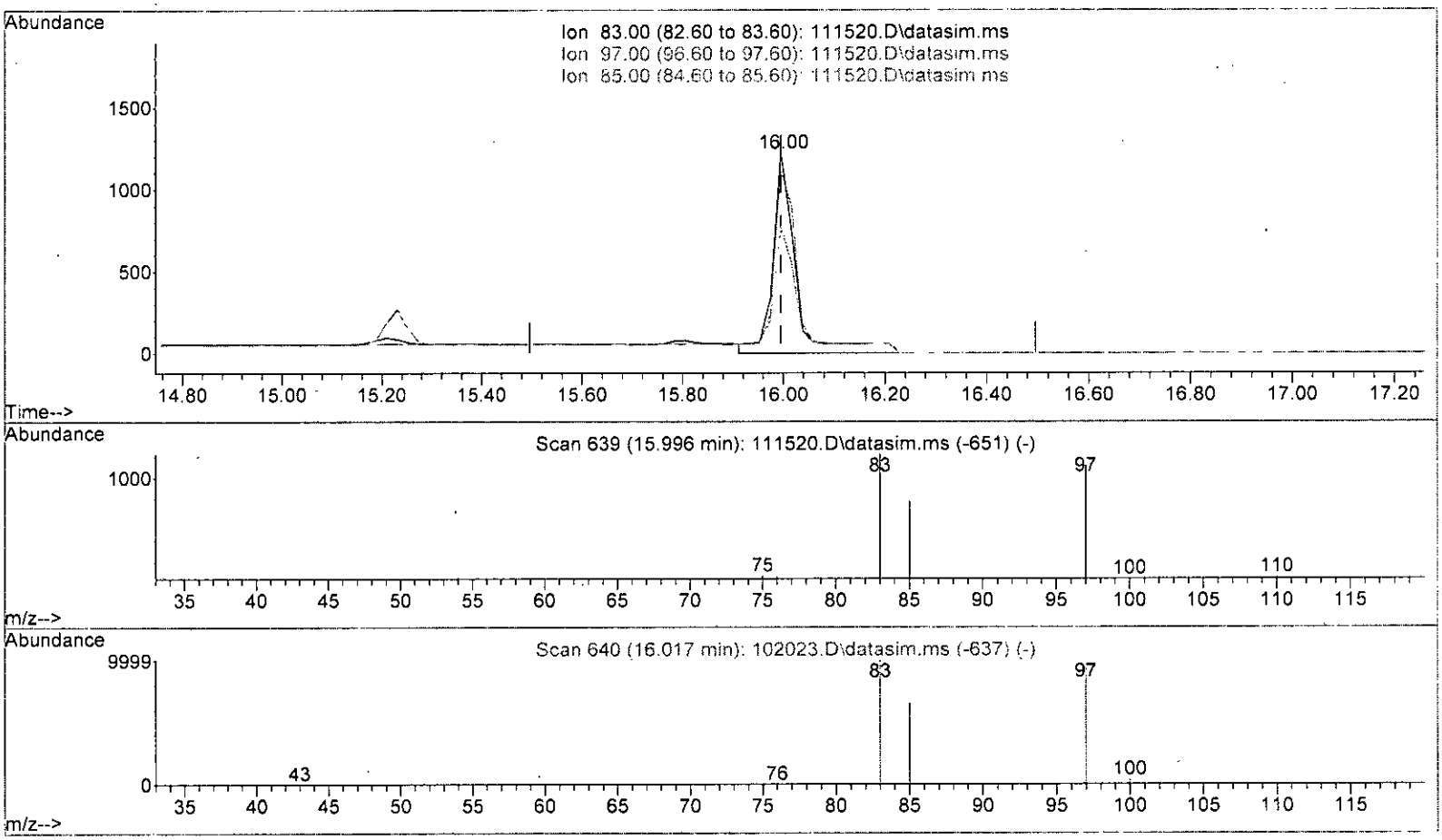
response 4061

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	196.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.261 ppbv

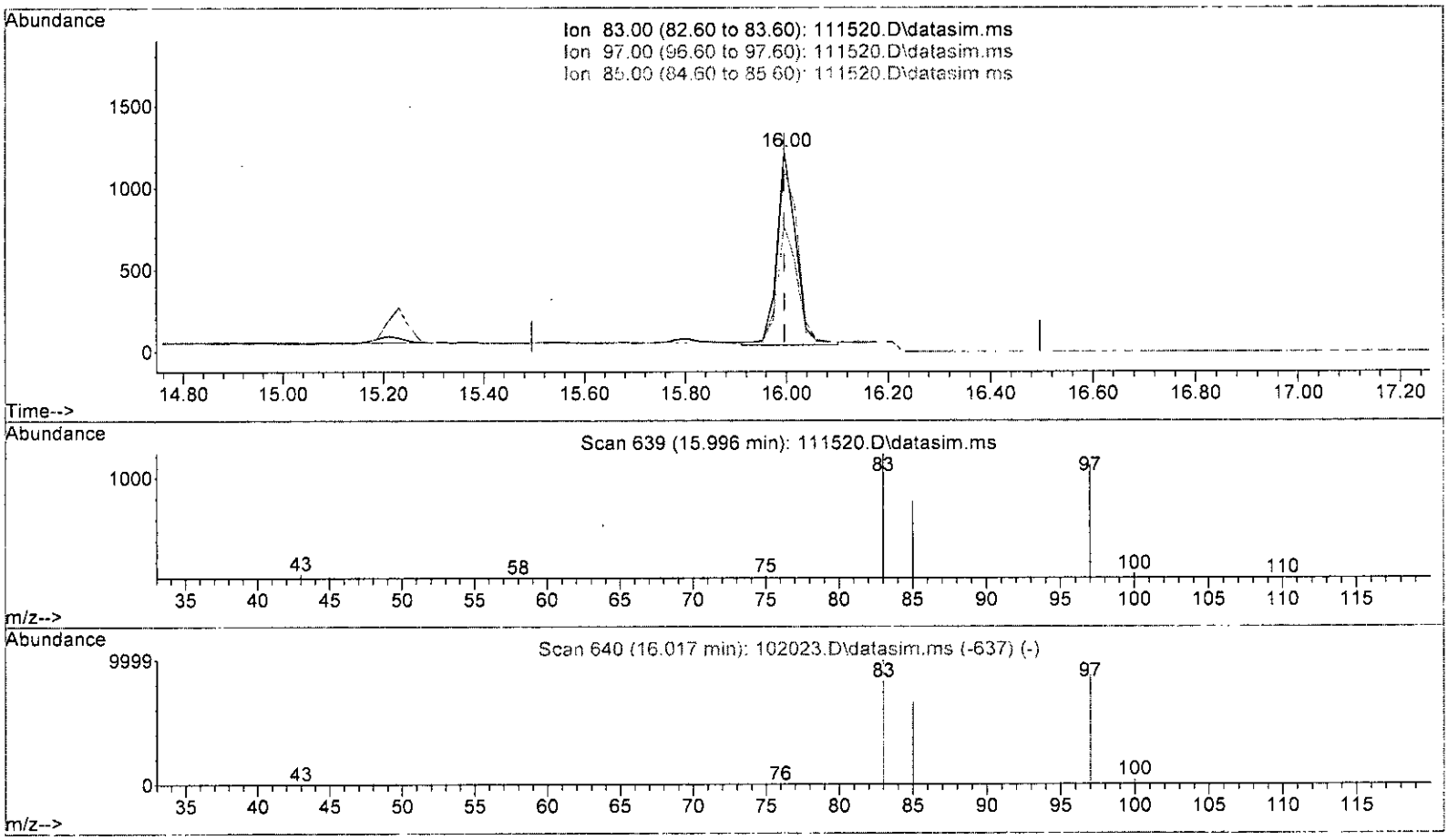
response 3946

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.92
85.00	60.50	63.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

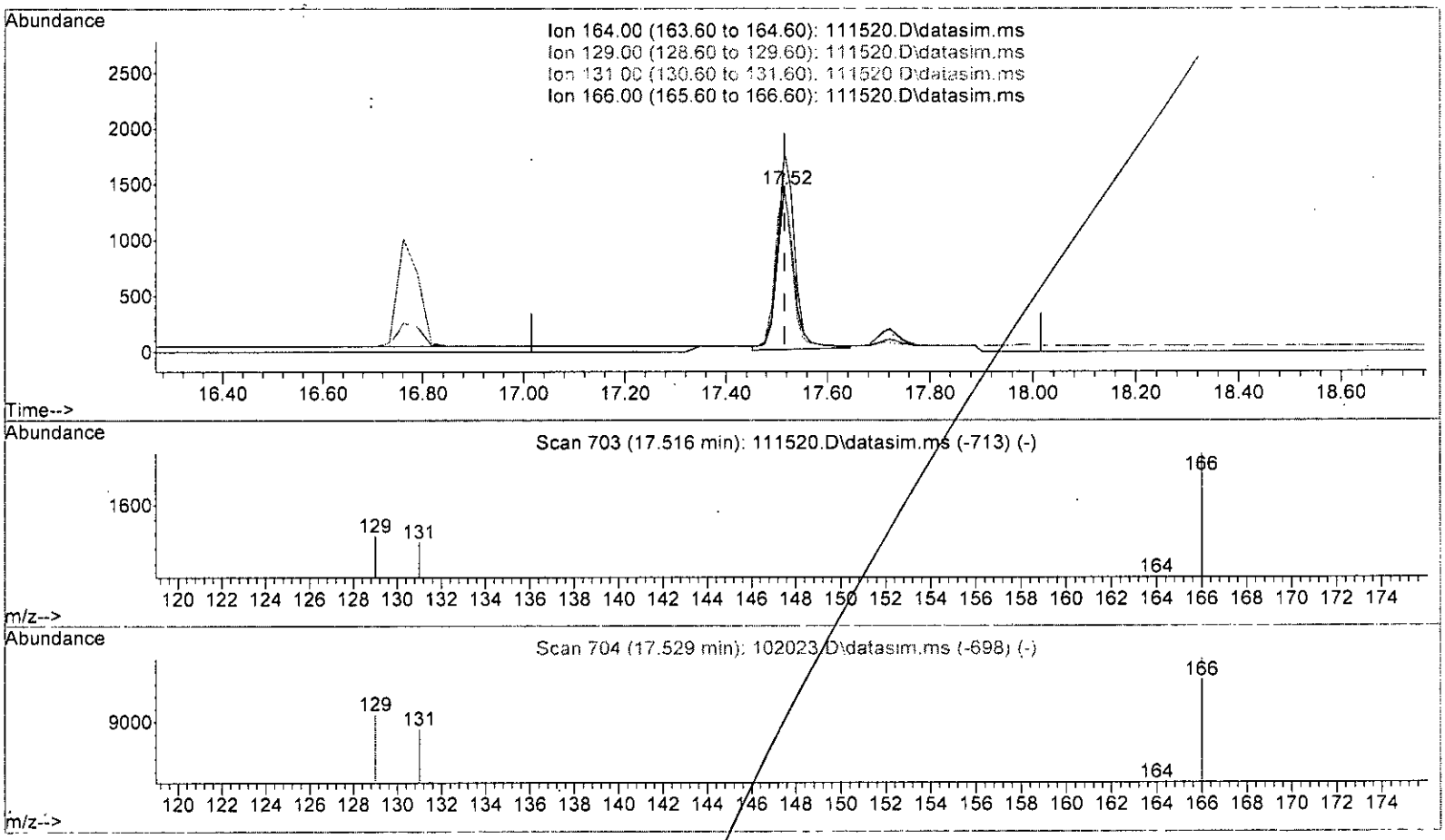
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.200 ppbv m
response 3041

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.92
85.00	60.50	63.18
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

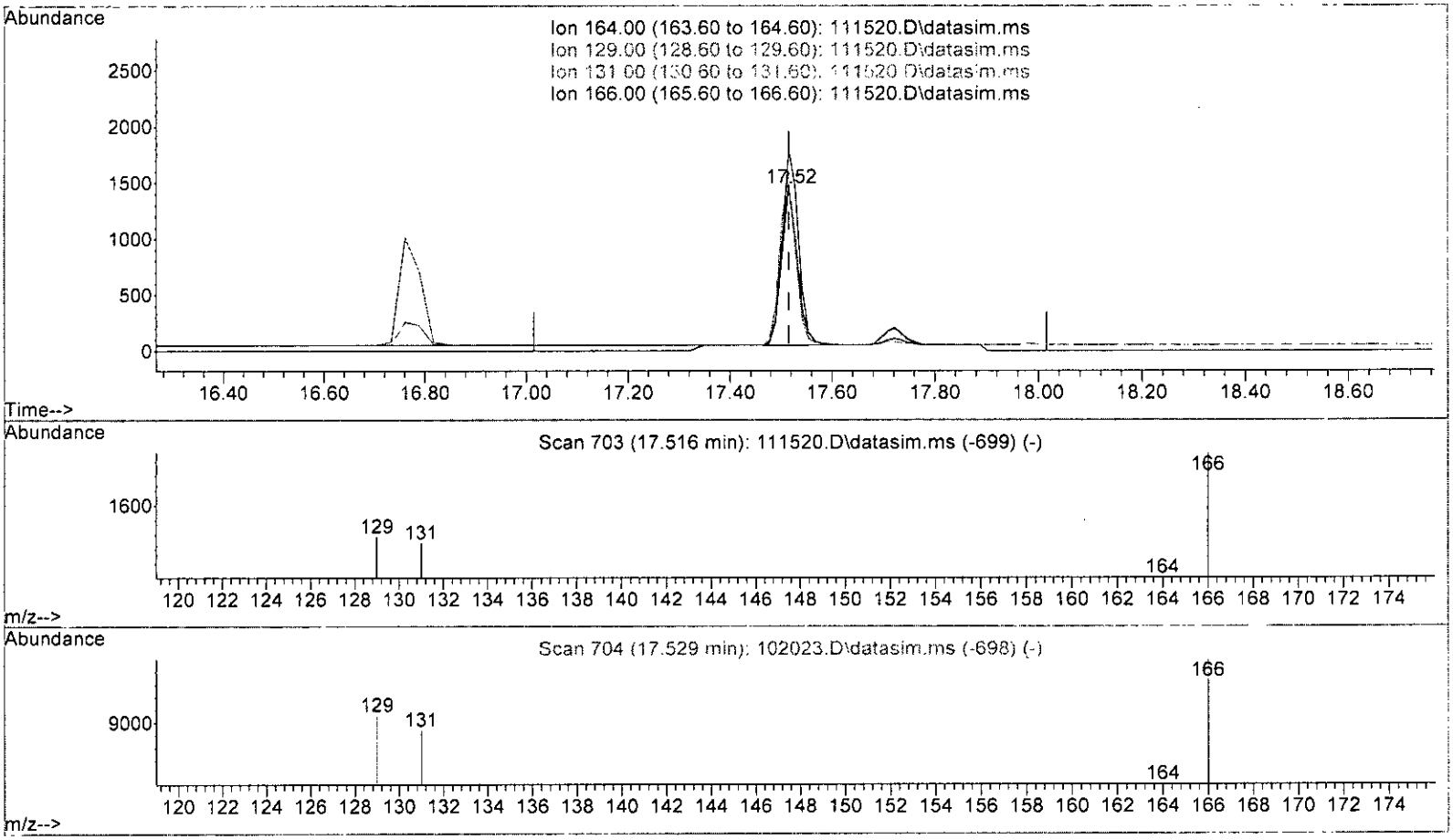
(53) Tetrachloroethene (TMP)
17.516min (-0.000) 0.238 ppbv
response 3292

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.91
131.00	100.70	106.70
166.00	137.50	124.07

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (-0.000) 0.215 ppbv m

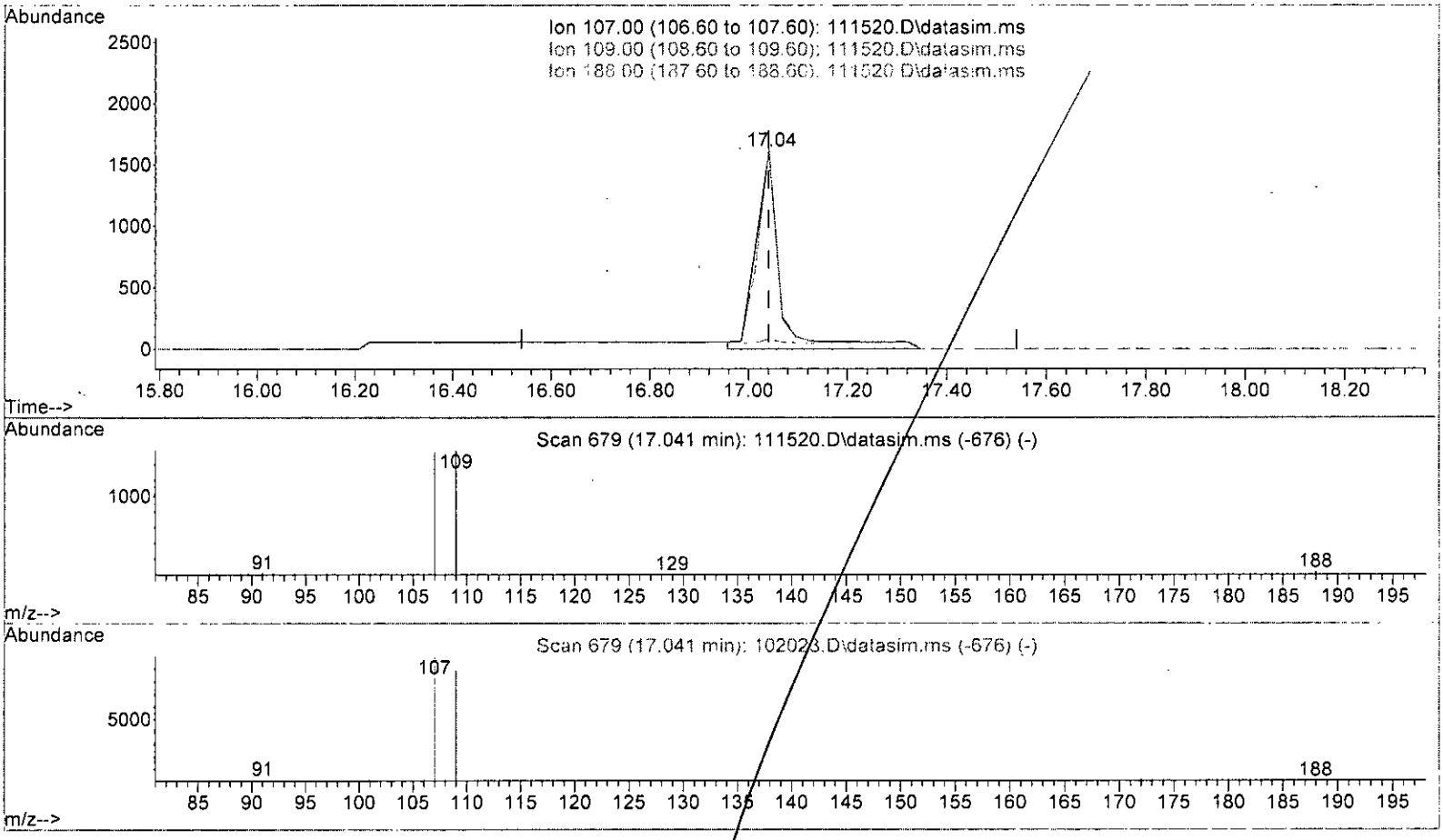
response 2972

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.70
131.00	100.70	106.60
166.00	137.50	123.23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.241 ppbv

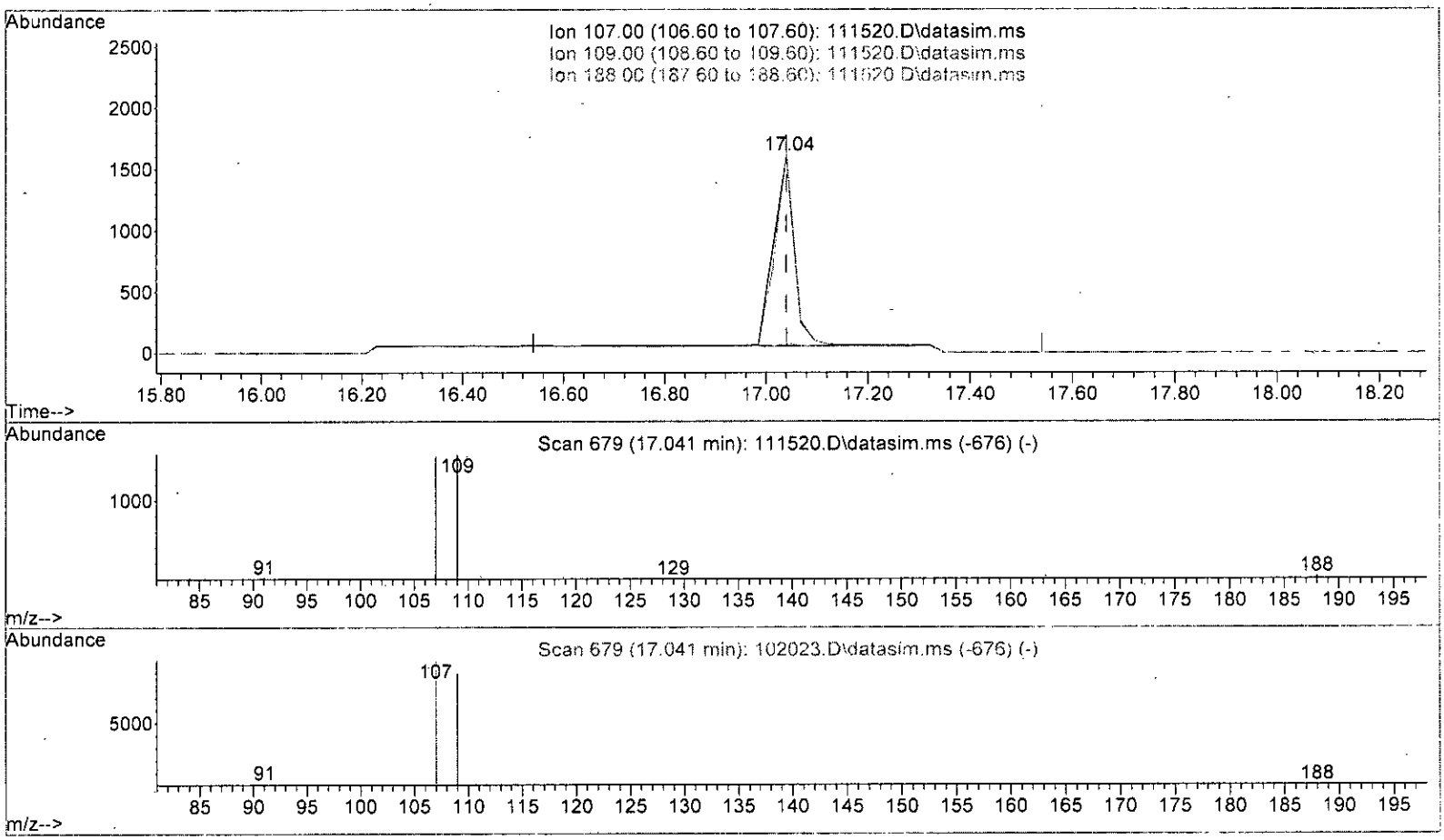
response 5380

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.18
188.00	2.70	5.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111520.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.041min (+ 0.000) 0.194 ppbv m

response 4368

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.18
188.00	2.70	5.02
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	63282	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	281999	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252889	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	162096	9.249	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.50%		
Target Compounds						Qvalue
2) Propene	3.41	41	2596	0.215	ppbv	95
3) Dichlorodifluoromethane	3.49	85	4964	0.190	ppbv	95
4] Chloromethane	3.73	50	2918m	0.245	ppbv	
5) F-114	3.84	85	5157	0.193	ppbv	94
6] Vinyl chloride	4.09	62	2303	0.197	ppbv	99
7] 1,3-Butadiene	4.29	54	1397	0.182	ppbv #	89
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	4.60	94	2258	0.193	ppbv	89
10] Chloroethane	4.84	64	825m	0.199	ppbv	
11] Vinyl bromide	5.30	106	1998m	0.196	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.40	56	899m	0.195	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	5.80	101	6289	0.208	ppbv	79
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.63	96	2035	0.195	ppbv	89
19] trans-1,2-Dichloroethene	8.07	96	2025	0.200	ppbv	86
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	6.94	41	2566	0.197	ppbv	91
23) CFC-113	7.15	101	4645	0.212	ppbv	100
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	8.43	73	4125	0.190	ppbv	85
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.36	63	4141	0.196	ppbv	100
28] cis-1,2-Dichloroethene	9.64	96	2075	0.194	ppbv	97
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.08	83	4941	0.196	ppbv	95
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	10.77	42	2272m	0.198	ppbv	
33) 2-Butanone (MEK)	8.91	72	741	0.189	ppbv #	45
34] 1,2-Dichloroethane (EDC)	11.34	62	3226m	0.193	ppbv	
35] 1,1,1-Trichloroethane	11.83	97	4009m	0.189	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	7651	0.173	ppbv	96
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.80	63	2962m	0.194	ppbv	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

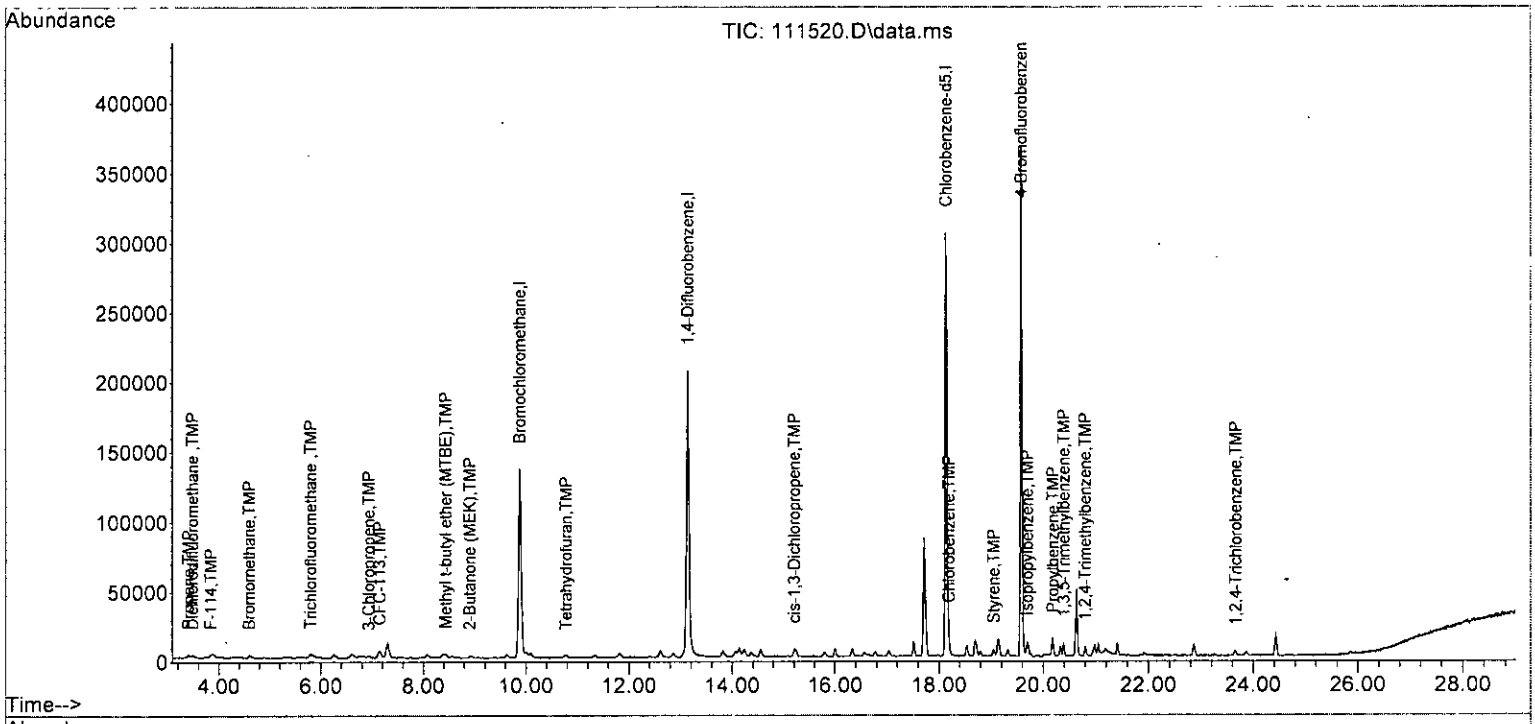
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.09	88	1375	0.212	ppbv	86
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	3461	0.207	ppbv	97
47) cis-1,3-Dichloropropene	15.20	75	3051	0.181	ppbv	89
48) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
49] trans-1,3-Dichloropropene	15.78	75	2873	0.181	ppbv	83
50] Toluene	16.31	92	4061m	0.204	ppbv	
51] 1,1,2-Trichloroethane	16.00	83	3041m	0.200	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.52	164	2972m	0.215	ppbv	
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	4368m	0.194	ppbv	
57) Chlorobenzene	18.19	112	5326	0.191	ppbv	87
58] Ethylbenzene	18.53	91	8569	0.181	ppbv	98
59] 1,1,2,2-Tetrachloroethane	19.13	83	6631	0.190	ppbv	94
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	19.70	105	8458	0.187	ppbv	97
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	20.19	91	13612	0.164	ppbv	99
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	5535	0.346	ppbv	98
66] o-Xylene	19.15	106	2708	0.174	ppbv	98
67) Styrene	19.05	104	3464	0.167	ppbv	90
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	3017	0.106	ppbv	98
71) 1,3,5-Trimethylbenzene	20.39	105	5815	0.159	ppbv	93
72) 1,2,4-Trimethylbenzene	20.80	105	4256	0.190	ppbv	80
73] 1,3-Dichlorobenzene	20.98	146	4603	0.180	ppbv	98
74] 1,4-Dichlorobenzene	21.05	146	4070	0.170	ppbv	98
75] 1,2-Dichlorobenzene	21.41	146	4673	0.180	ppbv	96
76) 1,2,4-Trichlorobenzene	23.66	180	2298	0.159	ppbv	83
77] Naphthalene	23.86	128	4383	0.239	ppbv	99
78] Hexachlorobutadiene	24.44	225	5046	0.191	ppbv	100

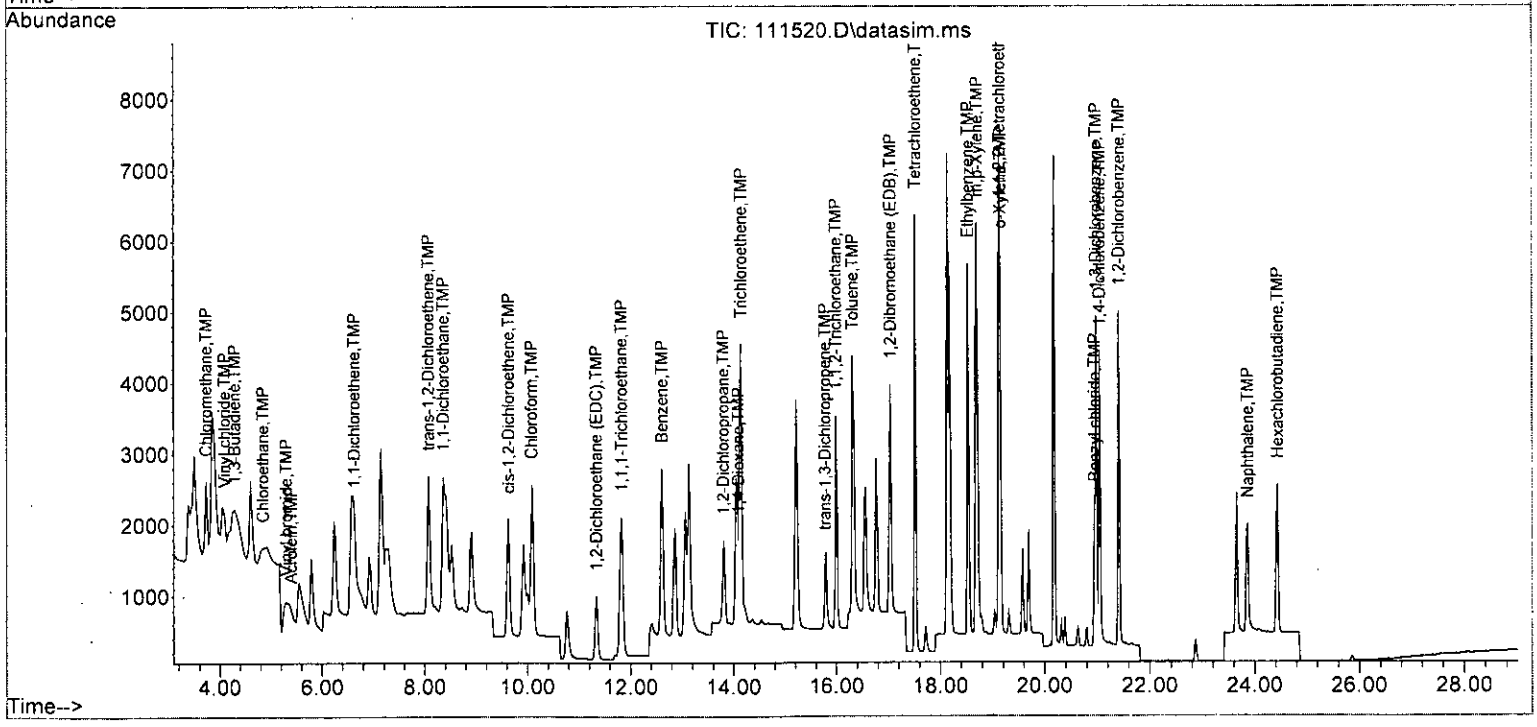
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.200	0.215	-7.5	100	0.00
3	TMP	Dichlorodifluoromethane	0.200	0.190	5.0	100	0.00
4	TMP	Chloromethane	0.200	0.245	-22.5	99	0.00
5	TMP	F-114	0.200	0.193	3.5	100	-0.04
6	TMP	Vinyl chloride	0.200	0.197	1.5	101	0.00
7	TMP	1,3-Butadiene	0.200	0.182	9.0	100	0.00
8	TMP	Butane	-1.000	0.000	0.0	0	-4.32#
9	TMP	Bromomethane	0.200	0.193	3.5	100	0.00
10	TMP	Chloroethane	0.200	0.199	0.5	101	0.00
11	TMP	Vinyl bromide	0.200	0.196	2.0	104	-0.02
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.96#
13	TMP	Acrolein	0.200	0.195	2.5	100	-0.02
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.25#
15	TMP	Trichlorofluoromethane	0.200	0.208	-4.0	100	-0.04
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.57#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.78#
18	TMP	1,1-Dichloroethene	0.200	0.195	2.5	98	0.00
19	TMP	trans-1,2-Dichloroethene	0.200	0.200	0.0	100	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.80#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.57#
22	TMP	3-Chloropropene	0.200	0.197	1.5	100	0.00
23	TMP	CFC-113	0.200	0.212	-6.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	0.200	0.190	5.0	100	0.00
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.54#
27	TMP	1,1-Dichloroethane	0.200	0.196	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.200	0.194	3.0	100	0.00
29	TMP	Hexane	-1.000	0.000	0.0	0	-10.01#
30	TMP	Chloroform	0.200	0.196	2.0	100	-0.02
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.92#
32	TMP	Tetrahydrofuran	0.200	0.198	1.0	100	0.03
33	TMP	2-Butanone (MEK)	0.200	0.189	5.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	0.200	0.193	3.5	97	0.00
35	TMP	1,1,1-Trichloroethane	0.200	0.189	5.5	97	0.00
36	TMP	Carbon tetrachloride	0.200	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.200	0.173	13.5	105	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.07#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.200	0.194	3.0	100	0.00
41	TMP	1,4-Dioxane	0.200	0.212	-6.0	100	0.00
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.24#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.56#
45	TMP	Bromodichloromethane	0.200	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.200	0.207	-3.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.200	0.181	9.5	100	0.00
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.200	0.181	9.5	100	0.00
50	TMP	Toluene	0.200	0.204	-2.0	99	0.00
51	TMP	1,1,2-Trichloroethane	0.200	0.200	0.0	106	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.56#
53	TMP	Tetrachloroethene	0.200	0.215	-7.5	99	0.00
54	TMP	Dibromochloromethane	0.200	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.200	0.194	3.0	99	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.200	0.191	4.5	100	0.00
58	TMP	Ethylbenzene	0.200	0.181	9.5	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.200	0.190	5.0	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.200	0.187	6.5	100	0.00
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.17#
63	TMP	Propylbenzene	0.200	0.164	18.0	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.32#
65	TMP	m,p-Xylene	0.400	0.346	13.5	100	0.00
66	TMP	o-Xylene	0.200	0.174	13.0	100	0.00
67	TMP	Styrene	0.200	0.167	16.5	100	0.00
68	TMP	Bromoform	0.200	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.249	7.5	100	0.00
70	TMP	Benzyl chloride	0.200	0.106	47.0#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.200	0.159	20.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.200	0.190	5.0	100	0.00
73	TMP	1,3-Dichlorobenzene	0.200	0.180	10.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.200	0.170	15.0	101	0.00
75	TMP	1,2-Dichlorobenzene	0.200	0.180	10.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.200	0.159	20.5	100	0.02
77	TMP	Naphthalene	0.200	0.239	-19.5	100	0.02
78	TMP	Hexachlorobutadiene	0.200	0.191	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	2.051	-31.8#	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.922	4.9	100	0.00
4	TMP	Chloromethane	1.882	2.306	-22.5	99	0.00
5	TMP	F-114	4.217	4.075	3.4	100	-0.04
6	TMP	Vinyl chloride	1.851	1.820	1.7	101	0.00
7	TMP	1,3-Butadiene	1.216	1.104	9.2	100	0.00
8	TMP	Butane	2.183	0.000	100.0#	0#	-4.32#
9	TMP	Bromomethane	1.847	1.784	3.4	100	0.00
10	TMP	Chloroethane	0.655	0.652	0.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.579	1.9	104	-0.02
12	TMP	Ethanol	0.663	0.000	100.0#	0#	-4.96#
13	TMP	Acrolein	0.729	0.710	2.6	100	-0.02
14	TMP	Pentane	2.461	0.000#	100.0#	0#	-6.25#
15	TMP	Trichlorofluoromethane	4.781	4.969	-3.9	100	-0.04
16	TMP	Acetone	0.710	0.000#	100.0#	0#	-5.57#
17	TMP	2-Propanol	3.096	0.000	100.0#	0#	-5.78#
18	TMP	1,1-Dichloroethene	1.645	1.608	2.2	98	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.600	-0.1	100	-0.03
20	TMP	Methylene chloride	1.479	0.000#	100.0#	0#	-6.80#
21	TMP	t-Butyl alcohol (TBA)	2.668	0.000	100.0#	0#	-6.57#
22	TMP	3-Chloropropene	2.056	2.027	1.4	100	0.00
23	TMP	CFC-113	3.469	3.670	-5.8	100	0.00
24	TMP	Carbon disulfide	5.167	0.000	100.0#	0#	-7.28#
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.259	5.1	100	0.00
26	TMP	Vinyl acetate	3.801	0.000#	100.0#	0#	-8.54#
27	TMP	1,1-Dichloroethane	3.342	3.272	2.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.639	3.0	100	0.00
29	TMP	Hexane	2.068	0.000	100.0#	0#	-10.01#
30	TMP	Chloroform	4.060	3.904	3.8	100	-0.02
31	TMP	Ethyl acetate	3.789	0.000	100.0#	0#	-9.92#
32	TMP	Tetrahydrofuran	1.809	1.795	0.8	100	0.03
33	TMP	2-Butanone (MEK)	0.619	0.585	5.5	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.549	5.1	97	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.168	5.2	97	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	6.045	-6.3	105	0.00
38	TMP	Cyclohexane	1.367	0.000	100.0#	0#	-13.07#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.525	3.0	100	0.00
41	TMP	1,4-Dioxane	0.230	0.244	-6.1	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	0.000	100.0#	0#	-14.24#
43	TMP	Methyl methacrylate	0.485	0.000	100.0#	0#	-14.36#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111520.D
Acq On : 16 Nov 2022 6:29 am
Operator : bat
Sample : 0.2 ppbv 67-196B
Misc : T6, 50cc of 1ppbv
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:21:30 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

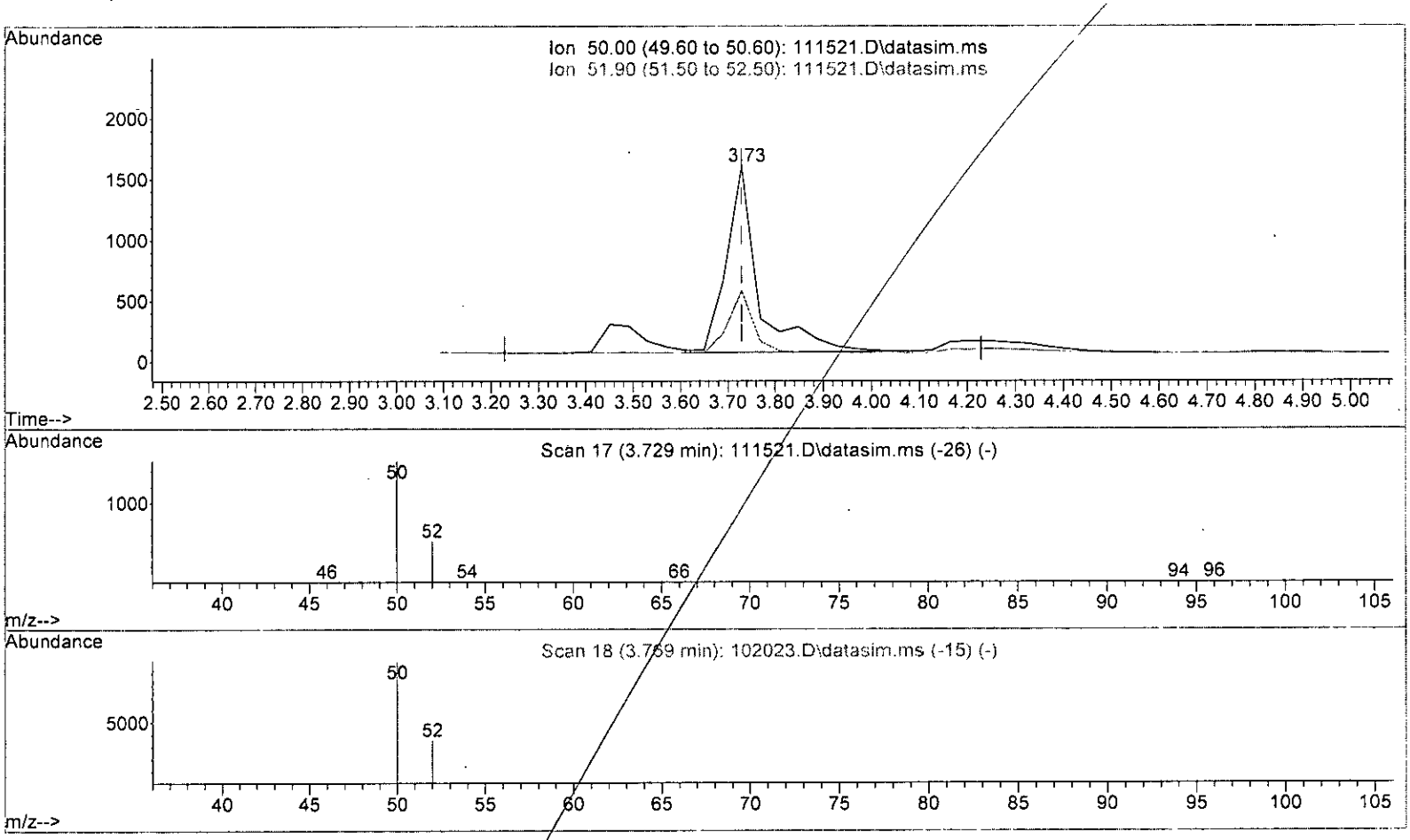
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.000	100.0#	0#	-14.56#
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.614	-3.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.541	9.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.000	100.0#	0#	-15.23#
49	TMP	trans-1,3-Dichloropropene	0.563	0.509	9.6	100	0.00
50	TMP	Toluene	0.707	0.720	-1.8	99	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.539	2.0	106	0.00
52	TMP	2-Hexanone	0.846	0.000#	100.0#	0#	-16.56#
53	TMP	Tetrachloroethene	0.490	0.527	-7.6	99	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.774	6.1	99	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.053	4.4	100	0.00
58	TMP	Ethylbenzene	1.968	1.694	13.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.311	6.0	100	0.00
60	TMP	Nonane	0.981	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.792	1.672	6.7	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.000	100.0#	0#	-20.17#
63	TMP	Propylbenzene	3.292	2.691	18.3	100	0.00
64	TMP	4-Ethyltoluene	1.611	0.000	100.0#	0#	-20.32#
65	TMP	m,p-Xylene	0.633	0.547	13.6	100	0.00
66	TMP	o-Xylene	0.615	0.535	13.0	100	0.00
67	TMP	Styrene	0.819	0.685	16.4	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.641	7.5	100	0.00
70	TMP	Benzyl chloride	0.987	0.597	39.5#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.150	20.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	0.841	32.6#	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.910	10.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.805	15.0	101	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.924	9.8	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.454	27.5	100	0.02
77	TMP	Naphthalene	1.132	0.867	23.4	100	0.02
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

(#) = Out of Range SPCC's out = 8 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.599 ppbv

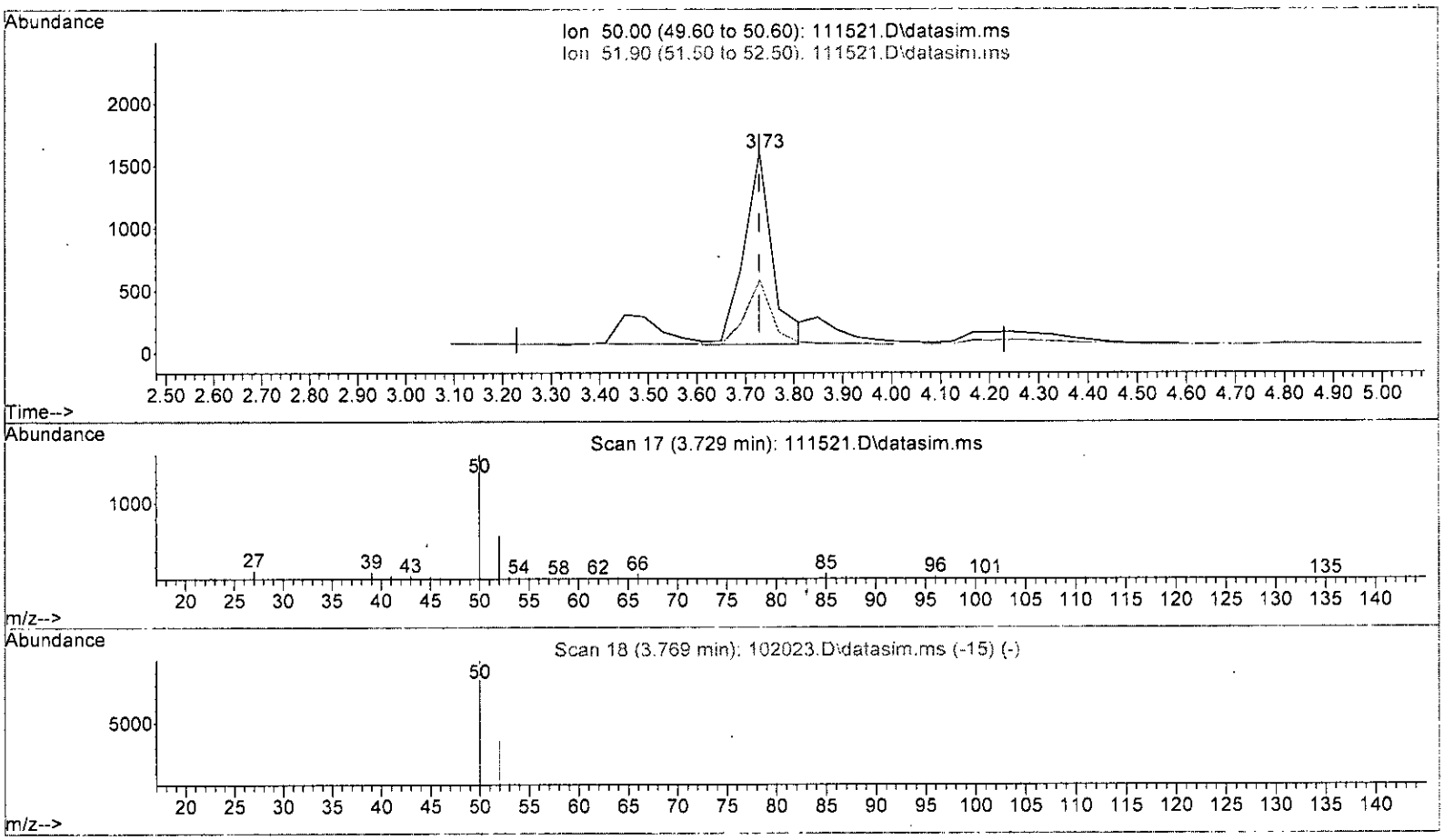
response 7076

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 0.527 ppbv m

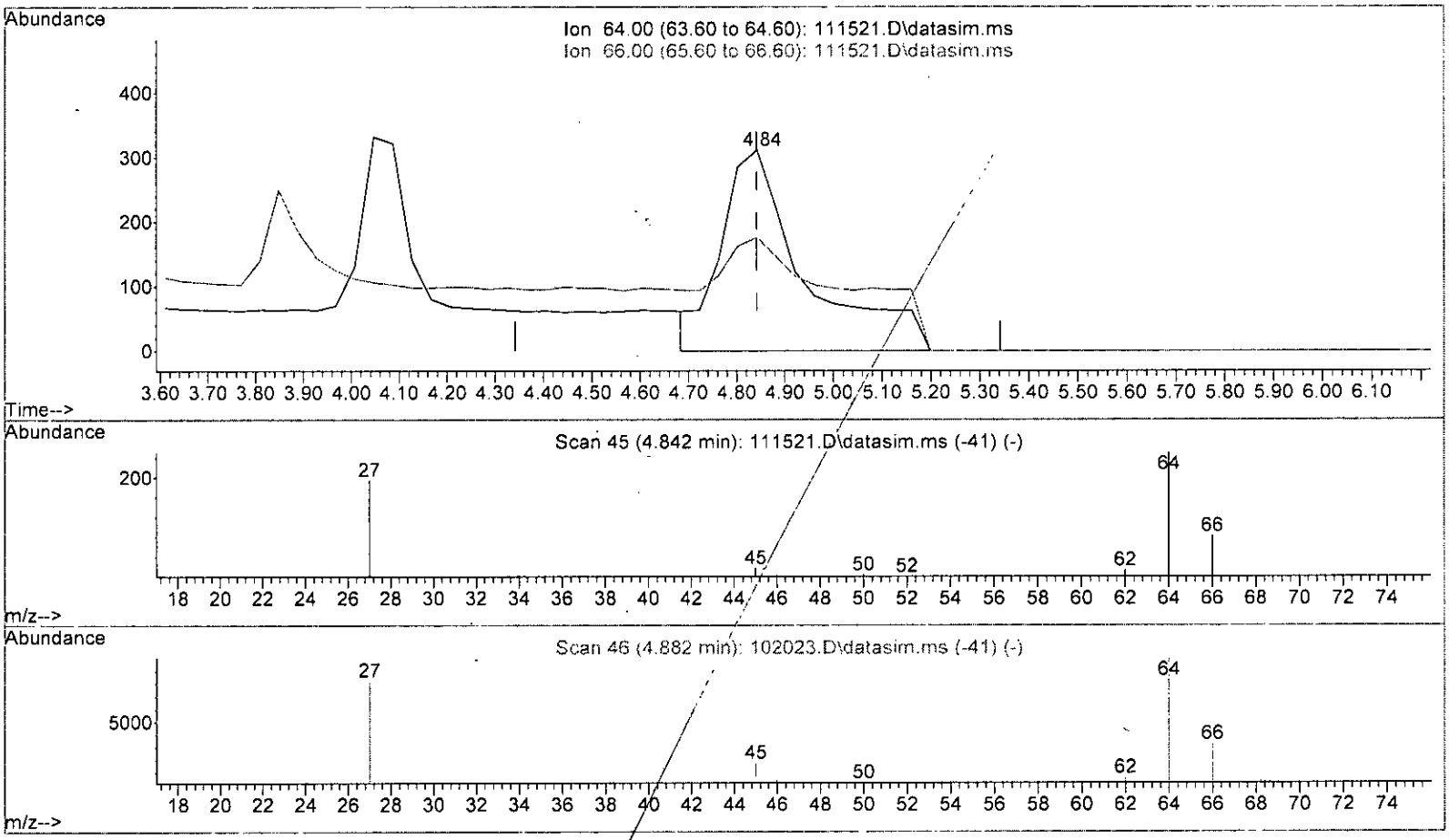
response 6232

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	36.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

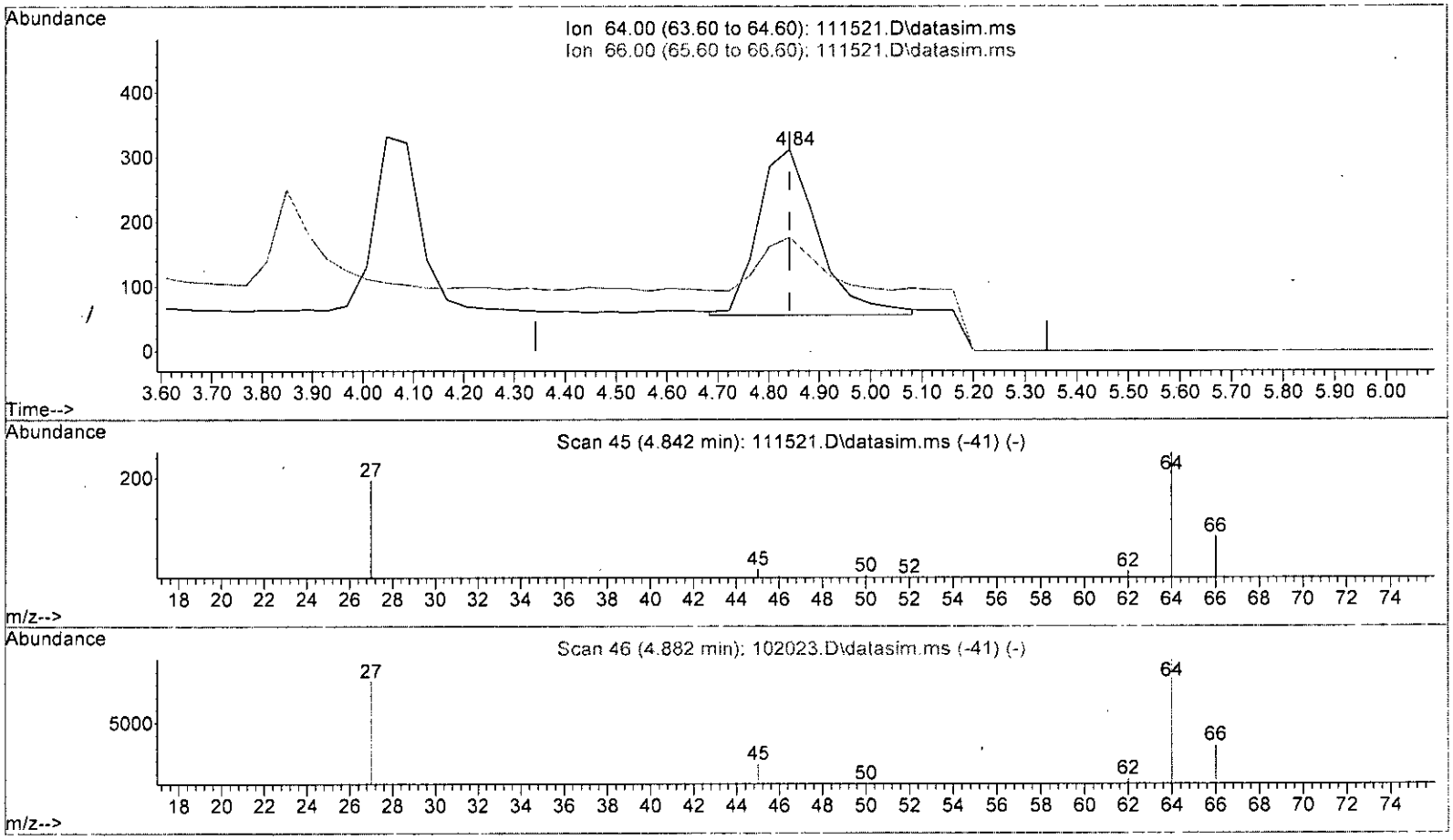
(10) Chloroethane (TMP)
4.842min (0.000) 0.874 ppbv
response 3591

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	56.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

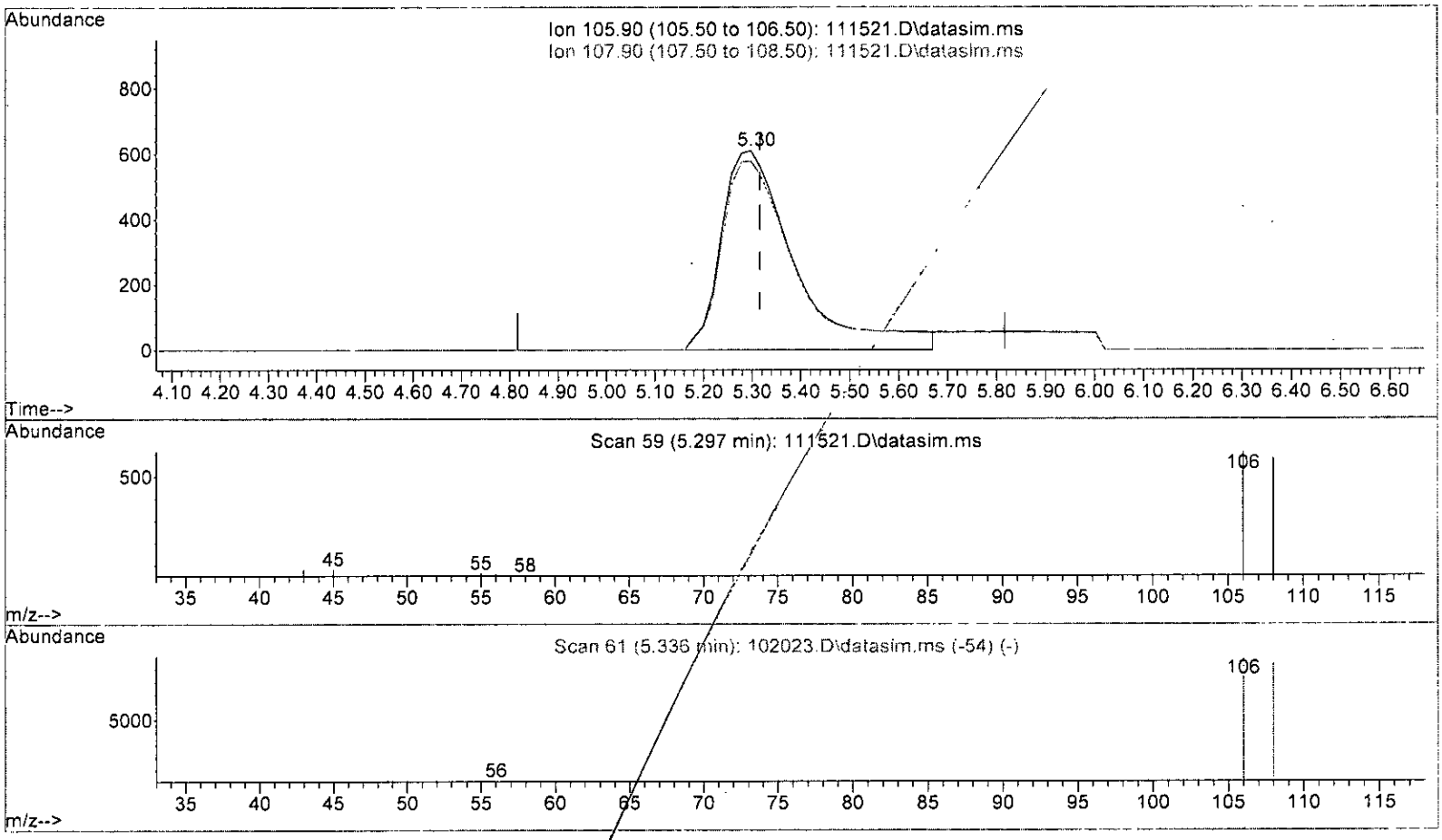
(10) Chloroethane (TMP)
4.842min (0.000) 0.509 ppbv m
response 2091

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	56.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

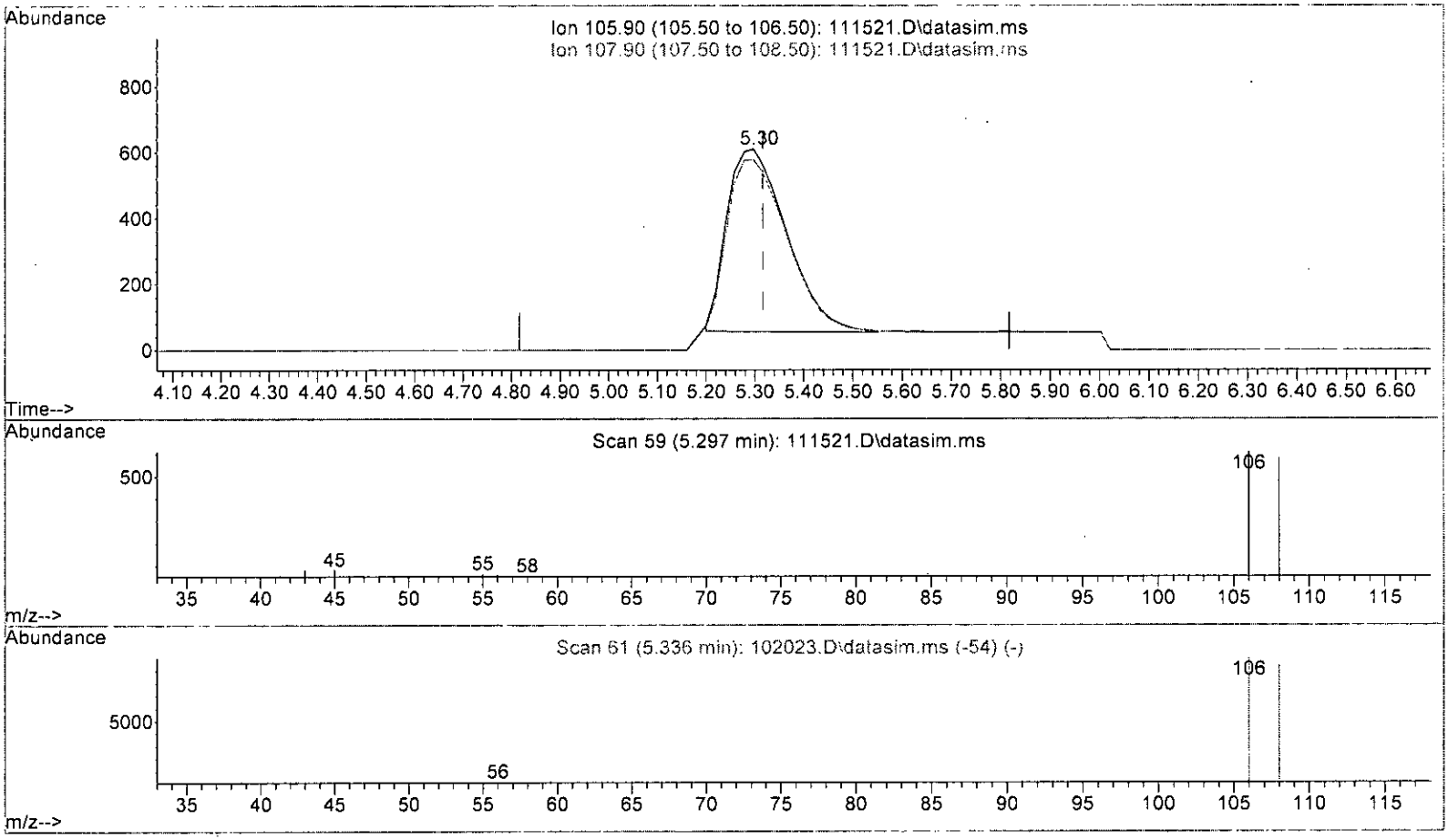
(11) Vinyl bromide (TMP)
5.297min (-0.020) 0.678 ppbv
response 6855

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	97.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (-0.020) 0.465 ppbv m

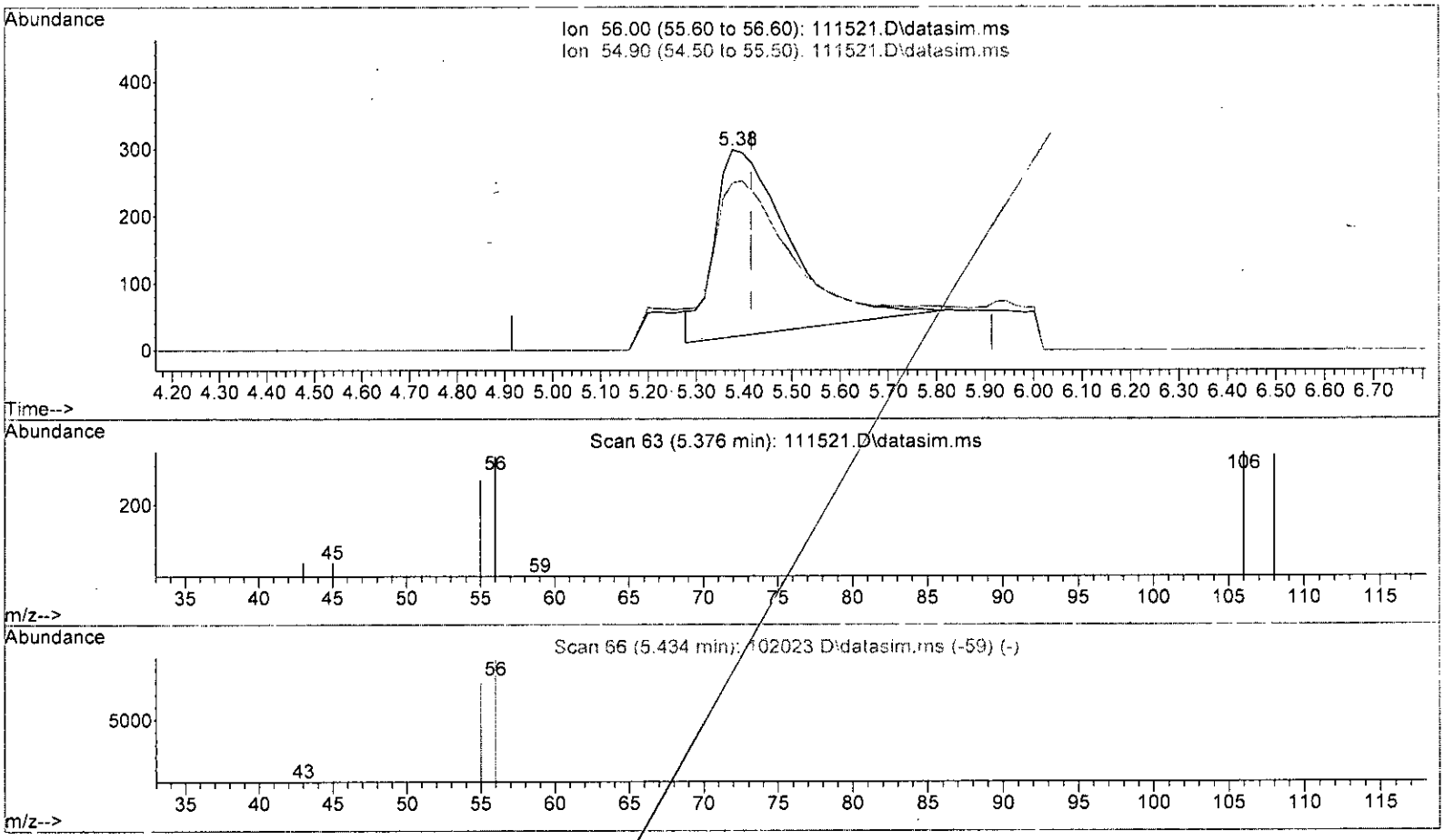
response 4701

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	142.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.660 ppbv

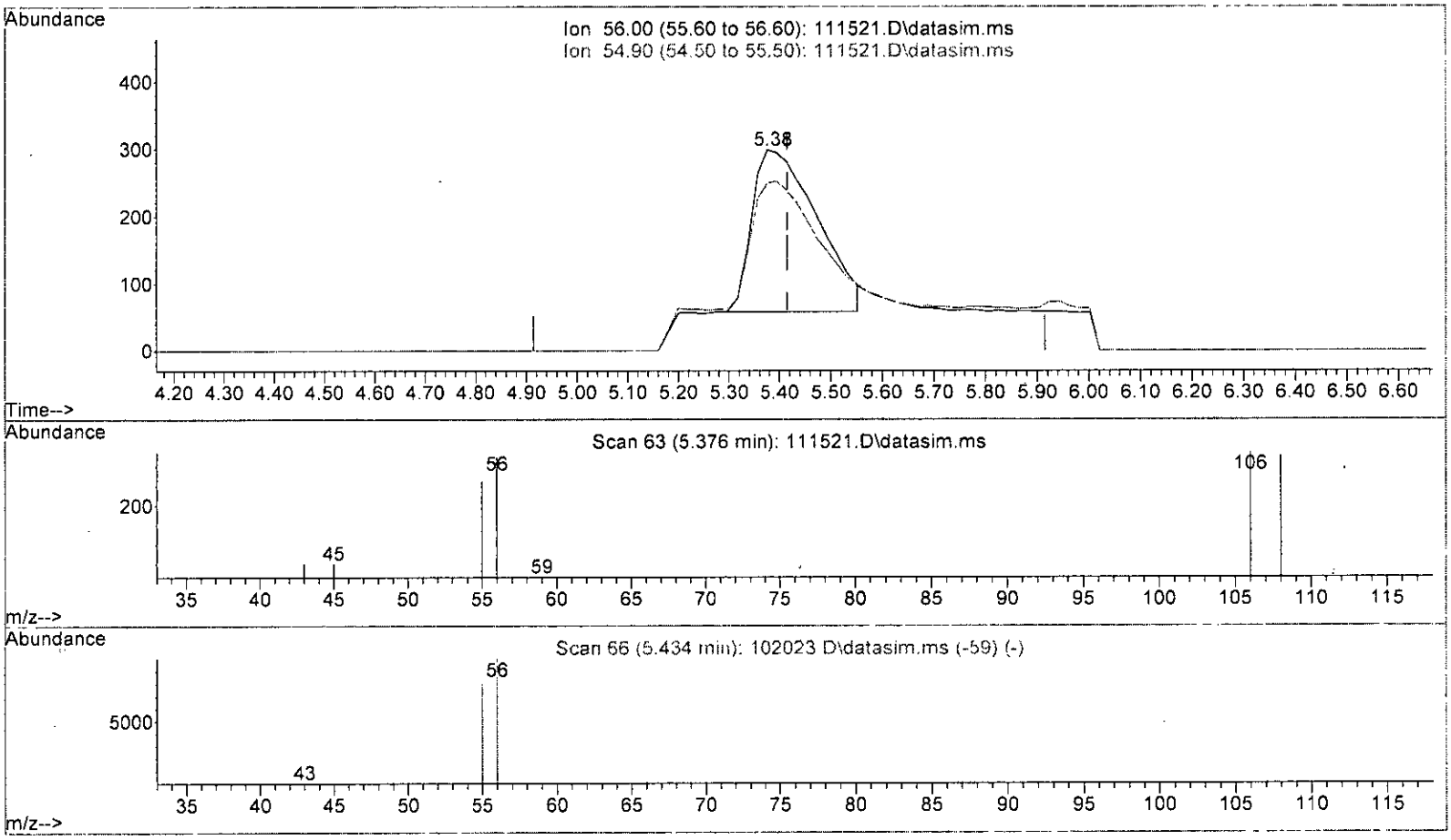
response 3019

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 0.467 ppbv m

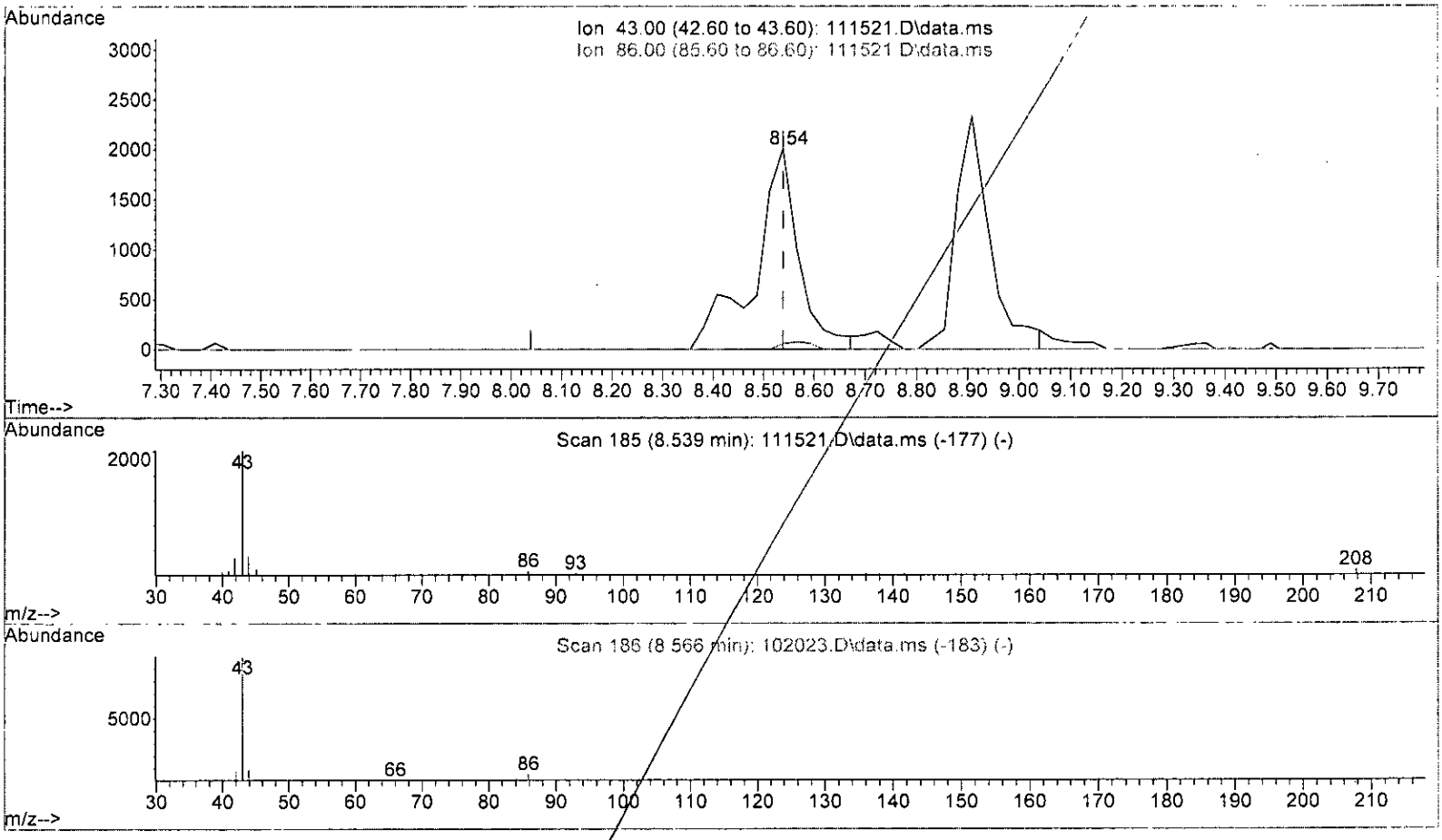
response 2135

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	117.10#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

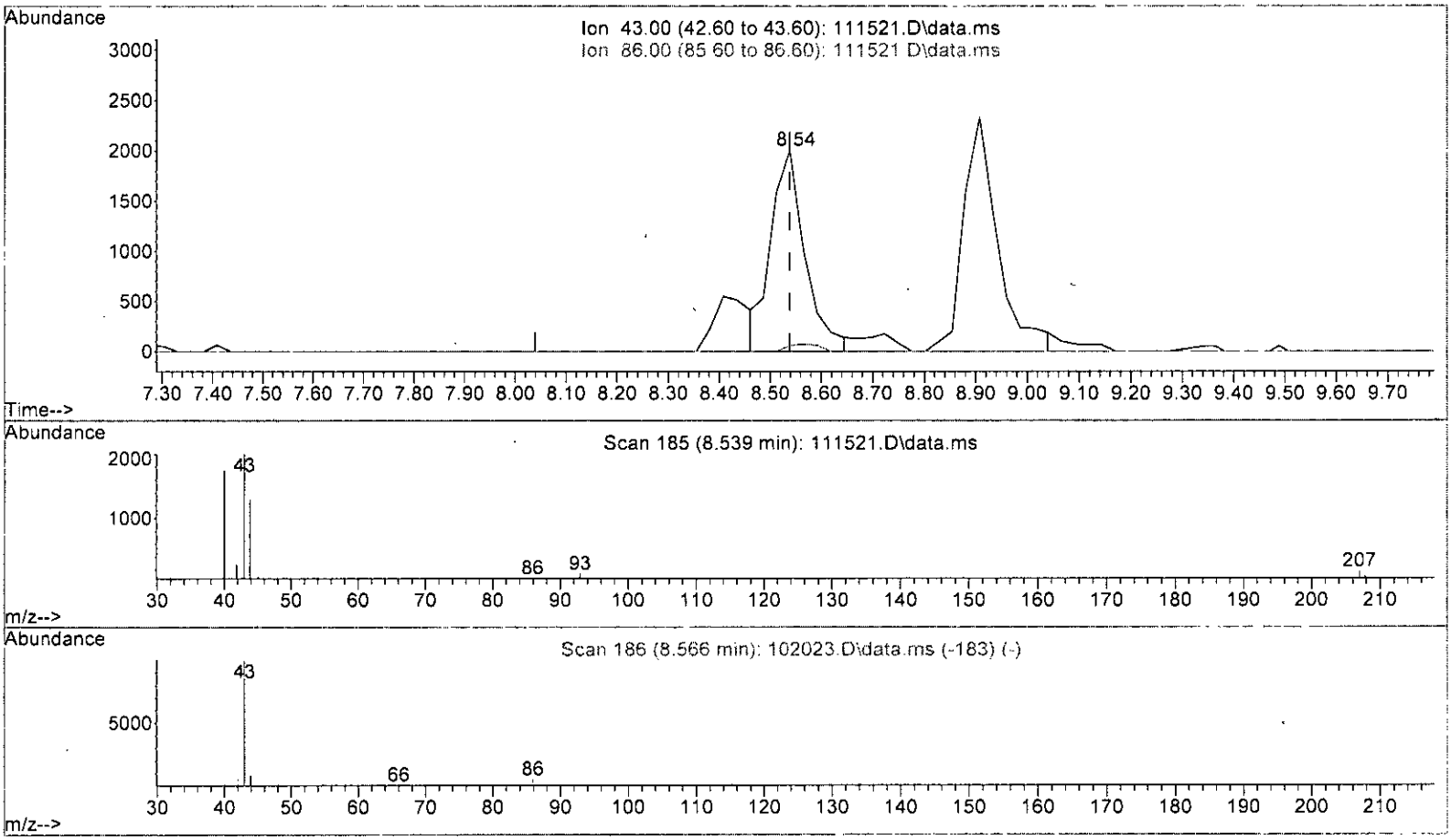
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.507 ppbv
response 12091

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	2.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

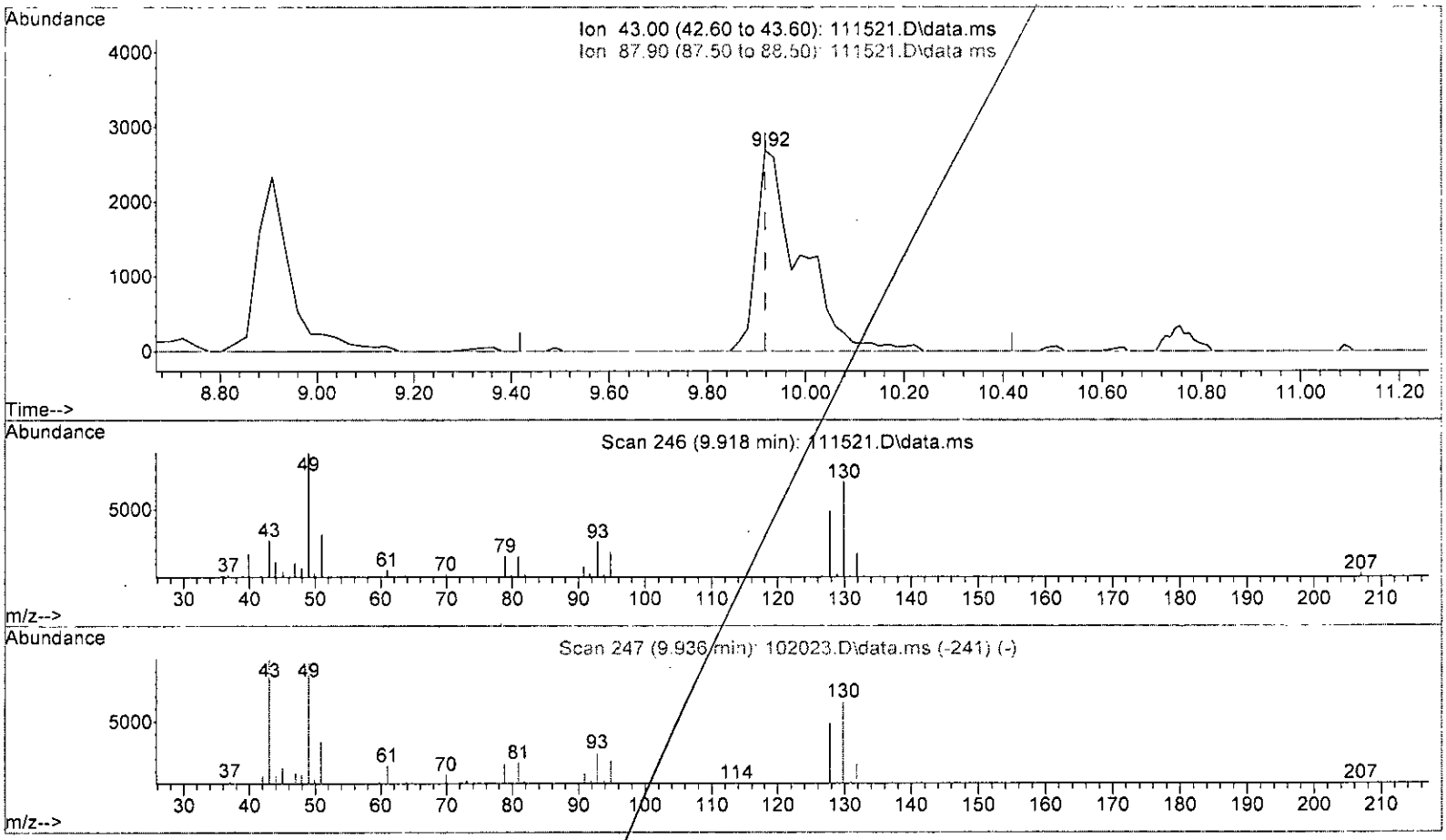
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.386 ppbv m
response 9209

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	2.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

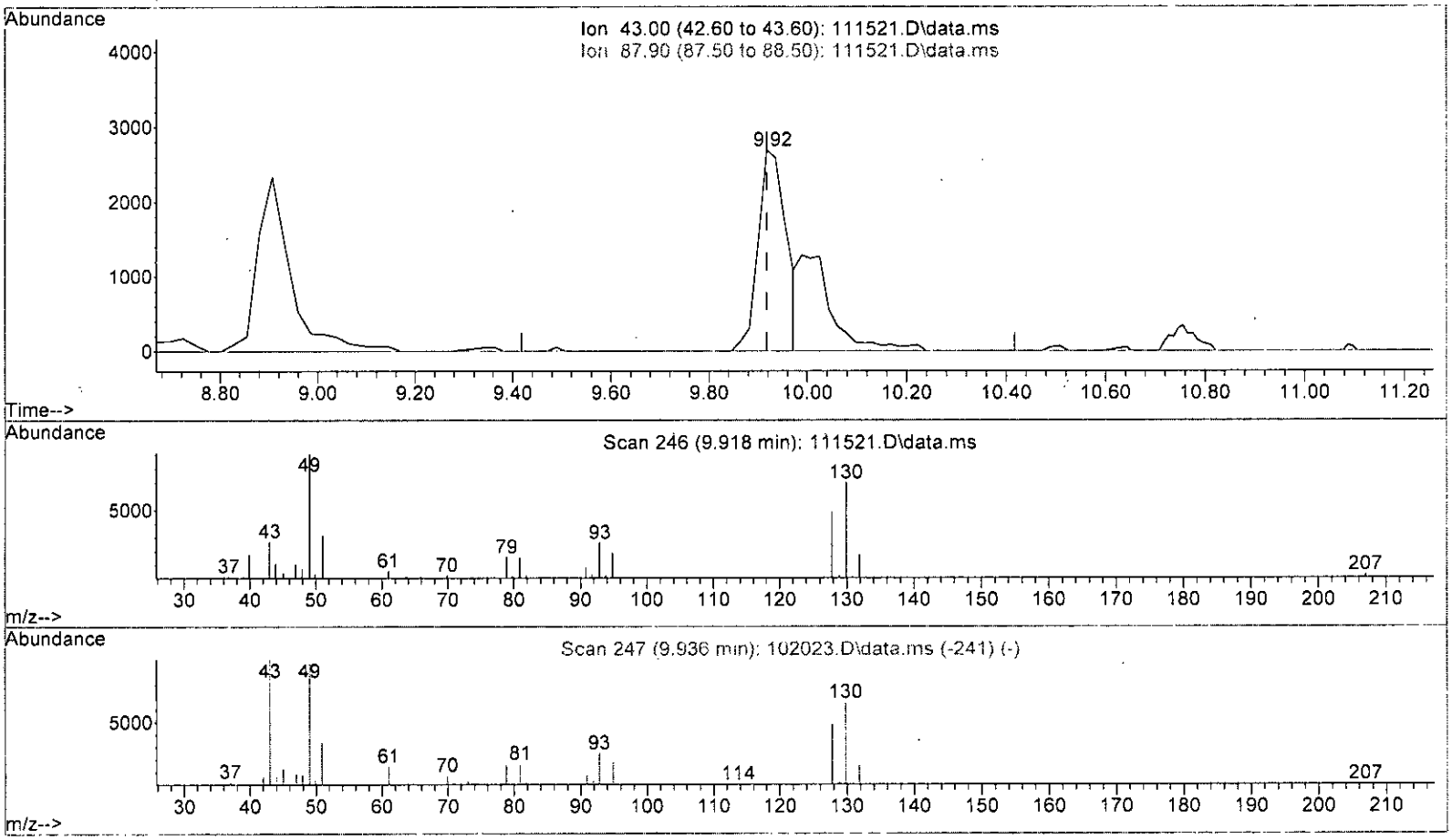
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.704 ppbv
response 16734

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

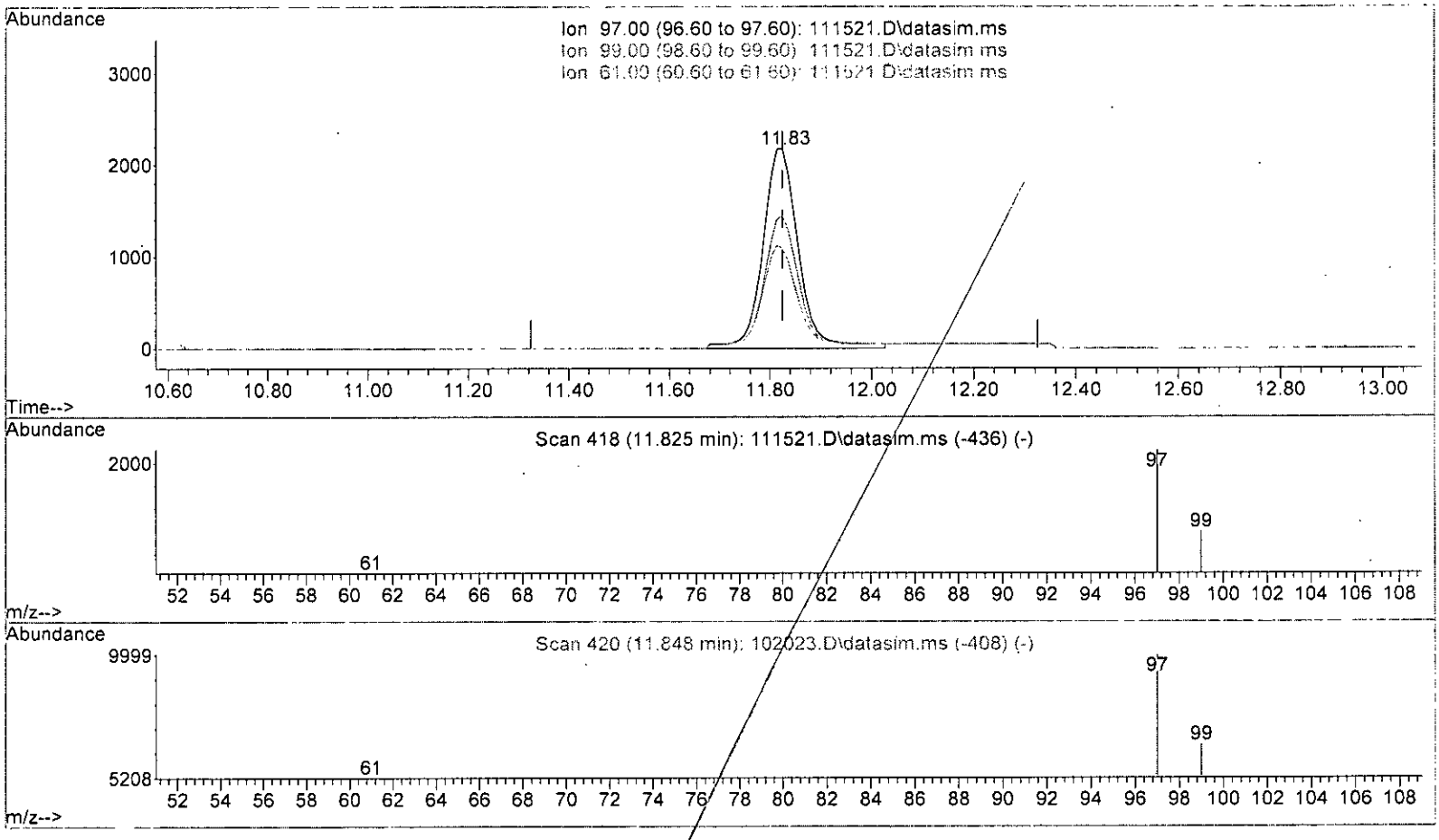
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.451 ppbv m
response 10717

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

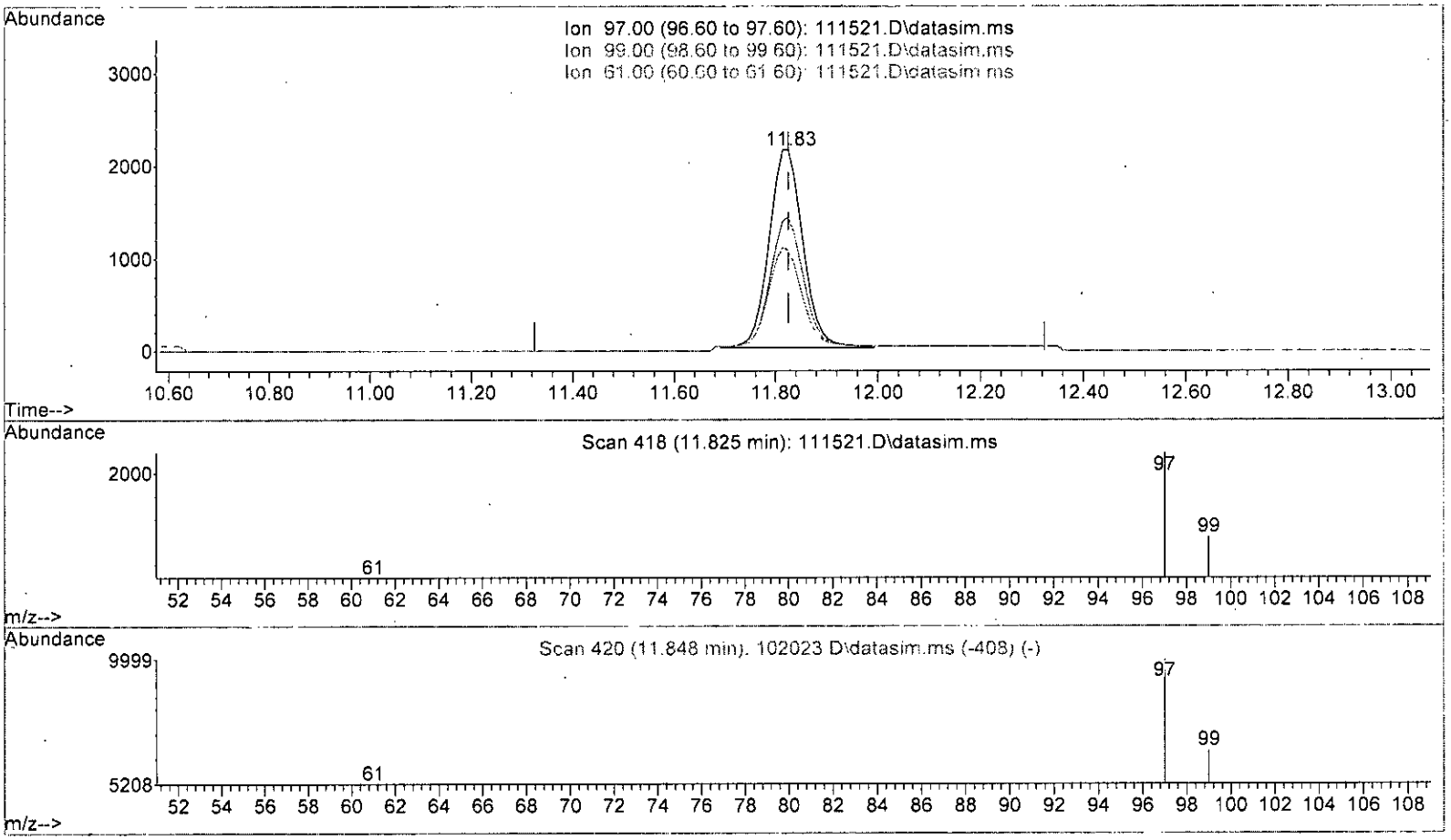
(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 0.506 ppbv
response 10621

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.45
61.00	49.30	50.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 0.472 ppbv m

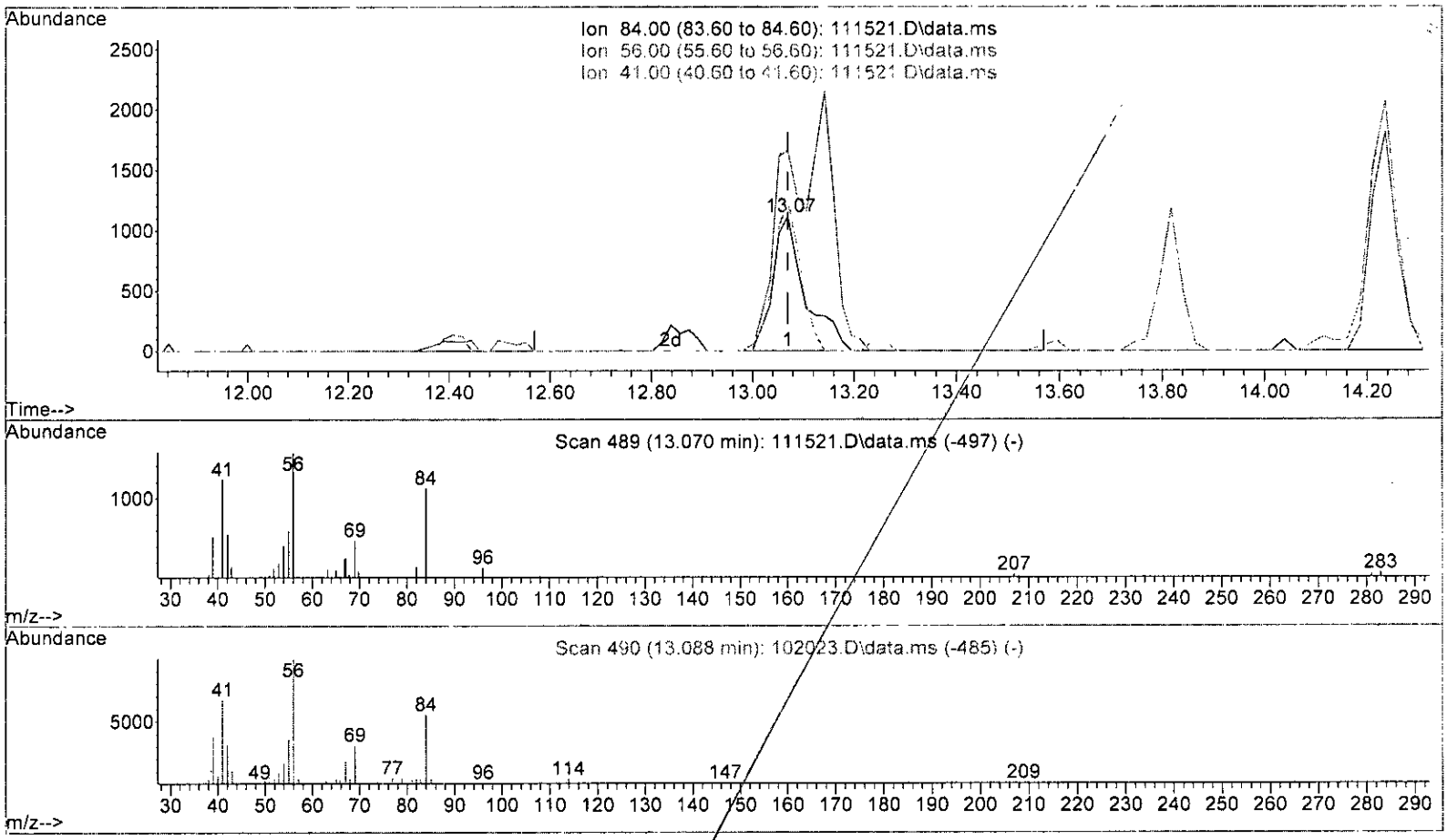
response 9916

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	66.45
61.00	49.30	50.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(38) Cyclohexane (TMP)

13.070min (+ 0.000) 0.579 ppbv

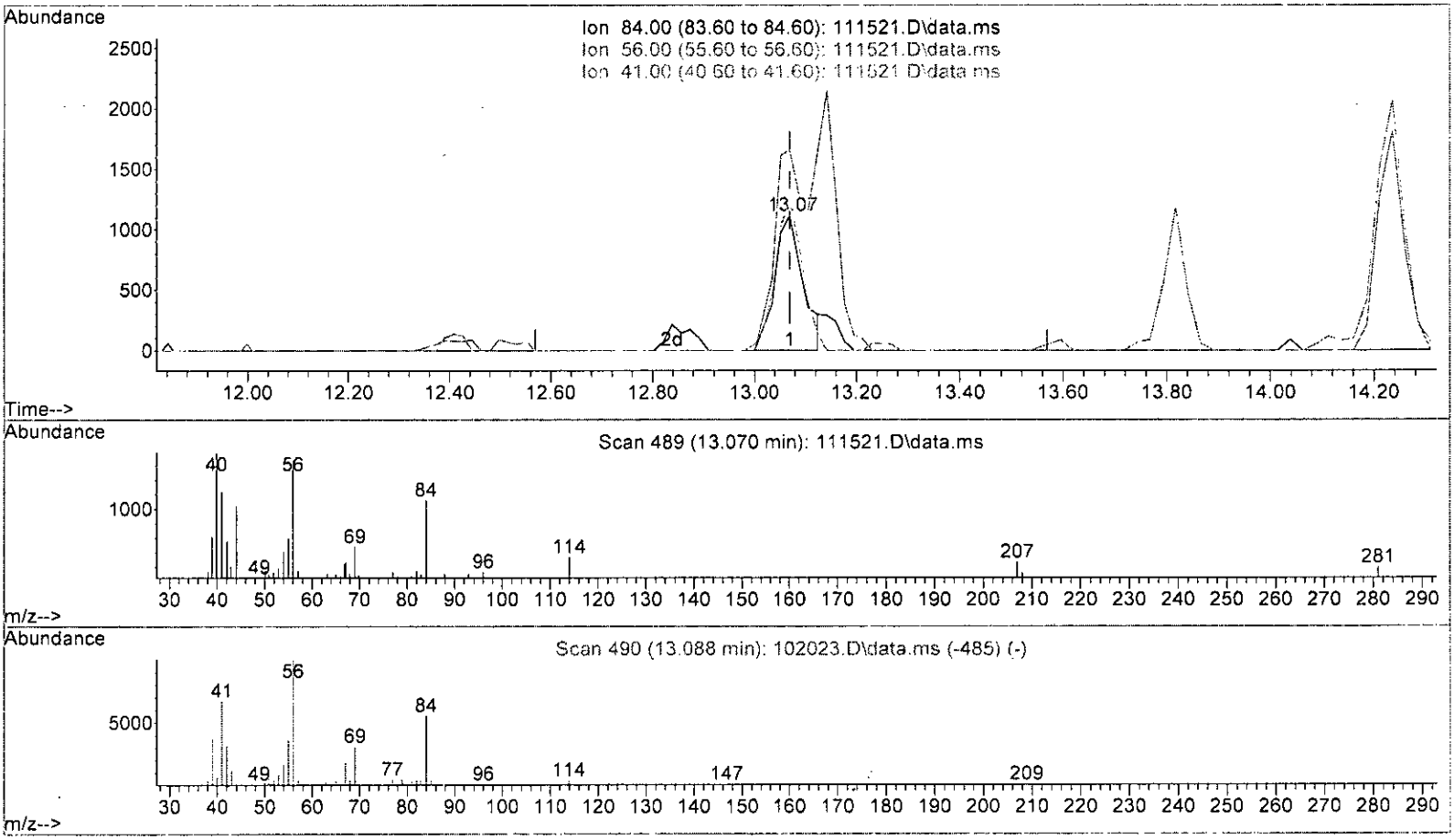
response 4967

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	174.40	149.15
41.00	107.20	109.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(38) Cyclohexane (TMP)

13.070min (+ 0.000) 0.503 ppbv m

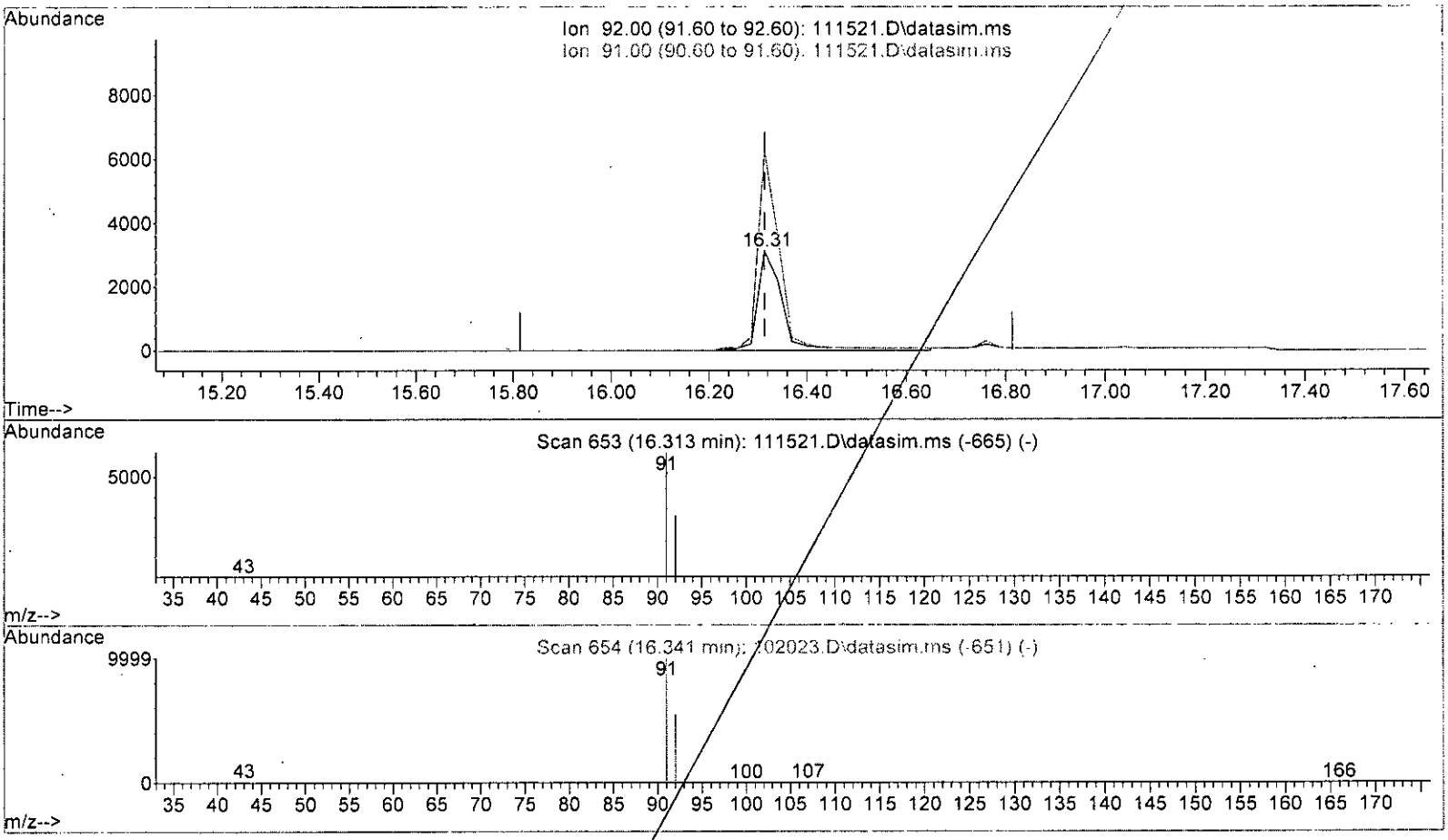
response 4321

Ion	Exp%	Act%
84.00	100.00	100.00
56.00	174.40	149.15
41.00	107.20	109.96
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.556 ppbv

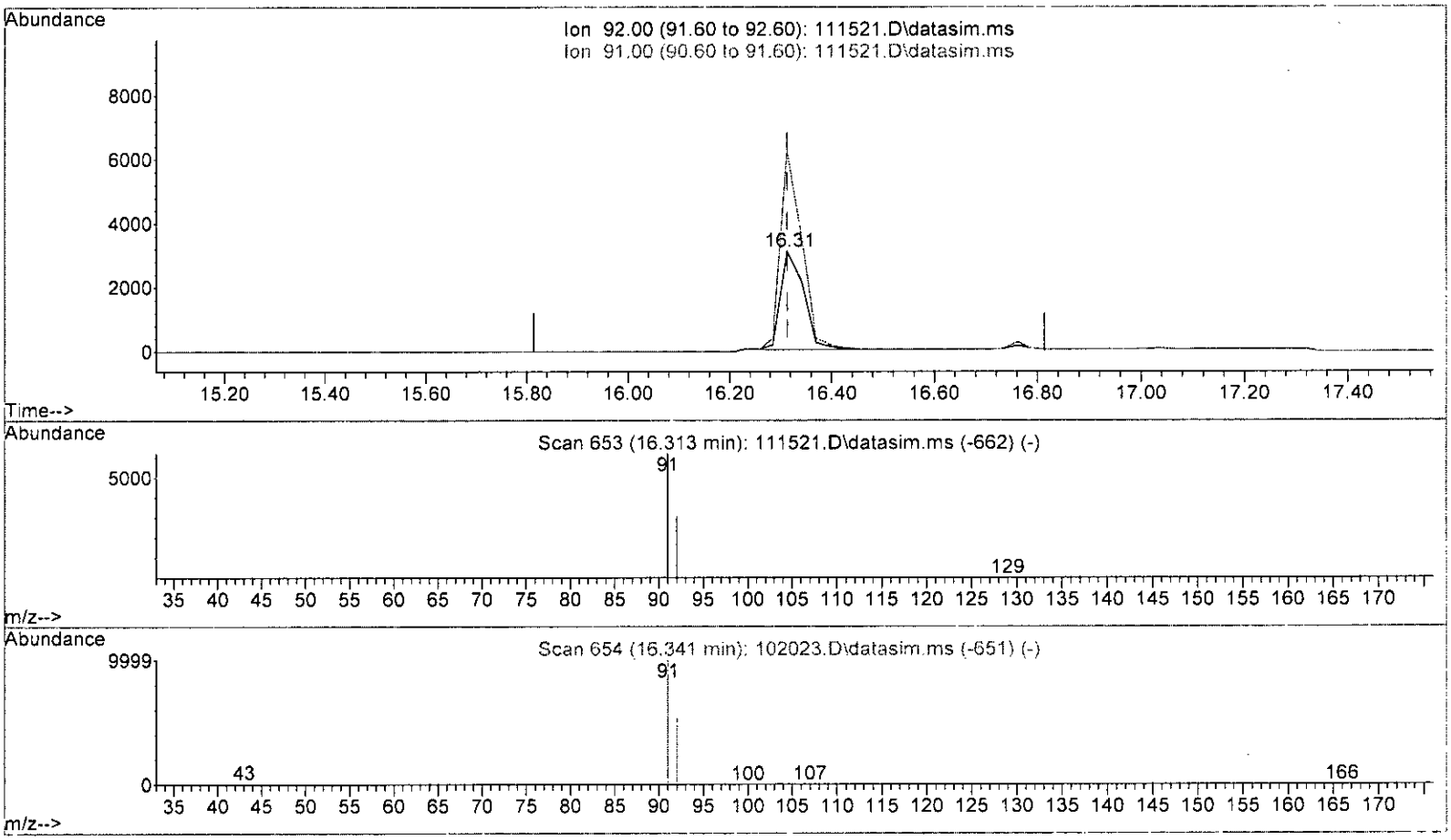
response 11107

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	200.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(50) Toluene (TMP)

16.313min (-0.001) 0.489 ppbv m

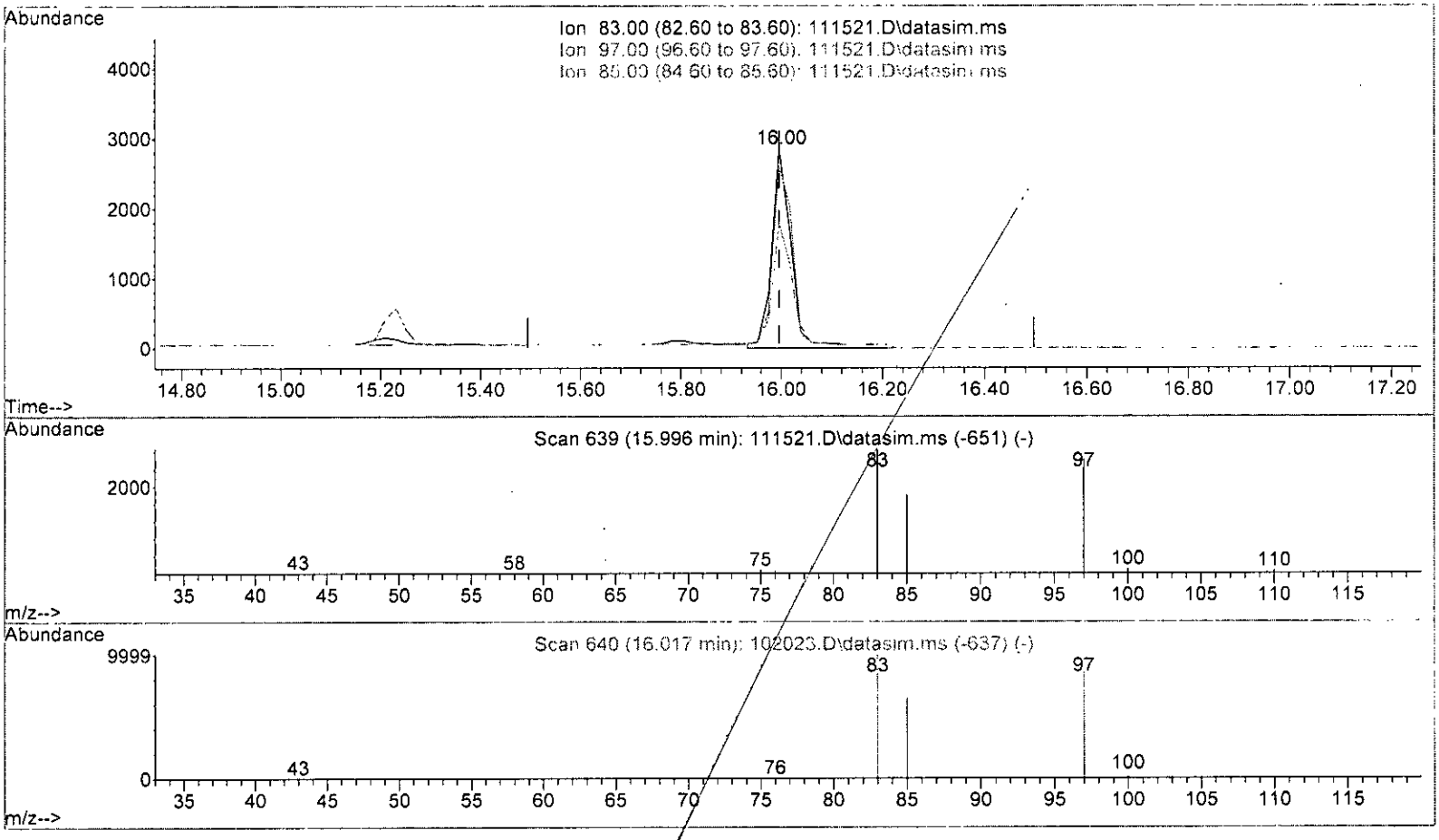
response 9760

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	200.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

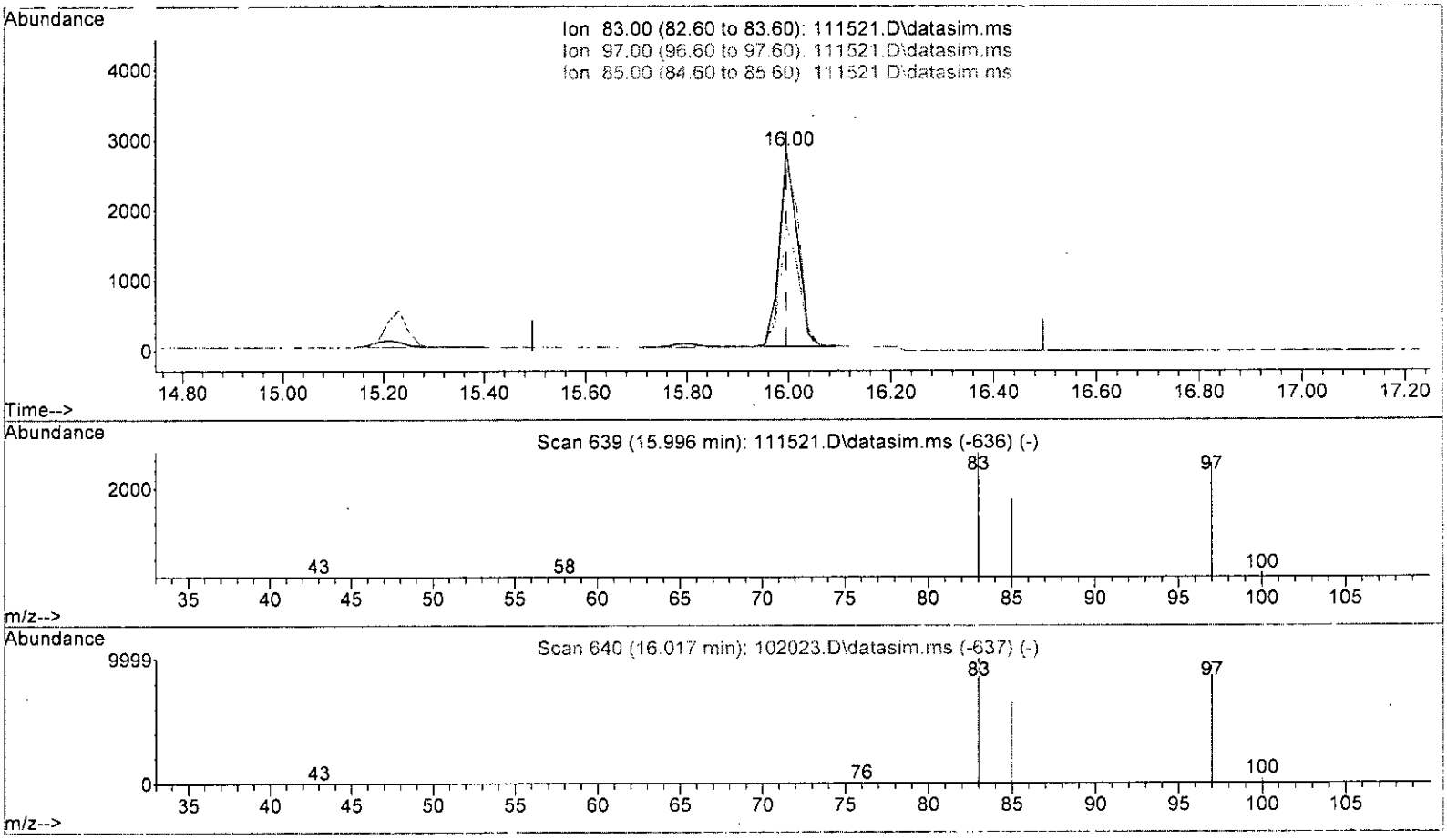
(51) 1,1,2-Trichloroethane (TMP)
15.996min (-0.000) 0.533 ppbv
response 7961

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	91.39
85.00	60.50	62.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.996min (-0.000) 0.459 ppbv m

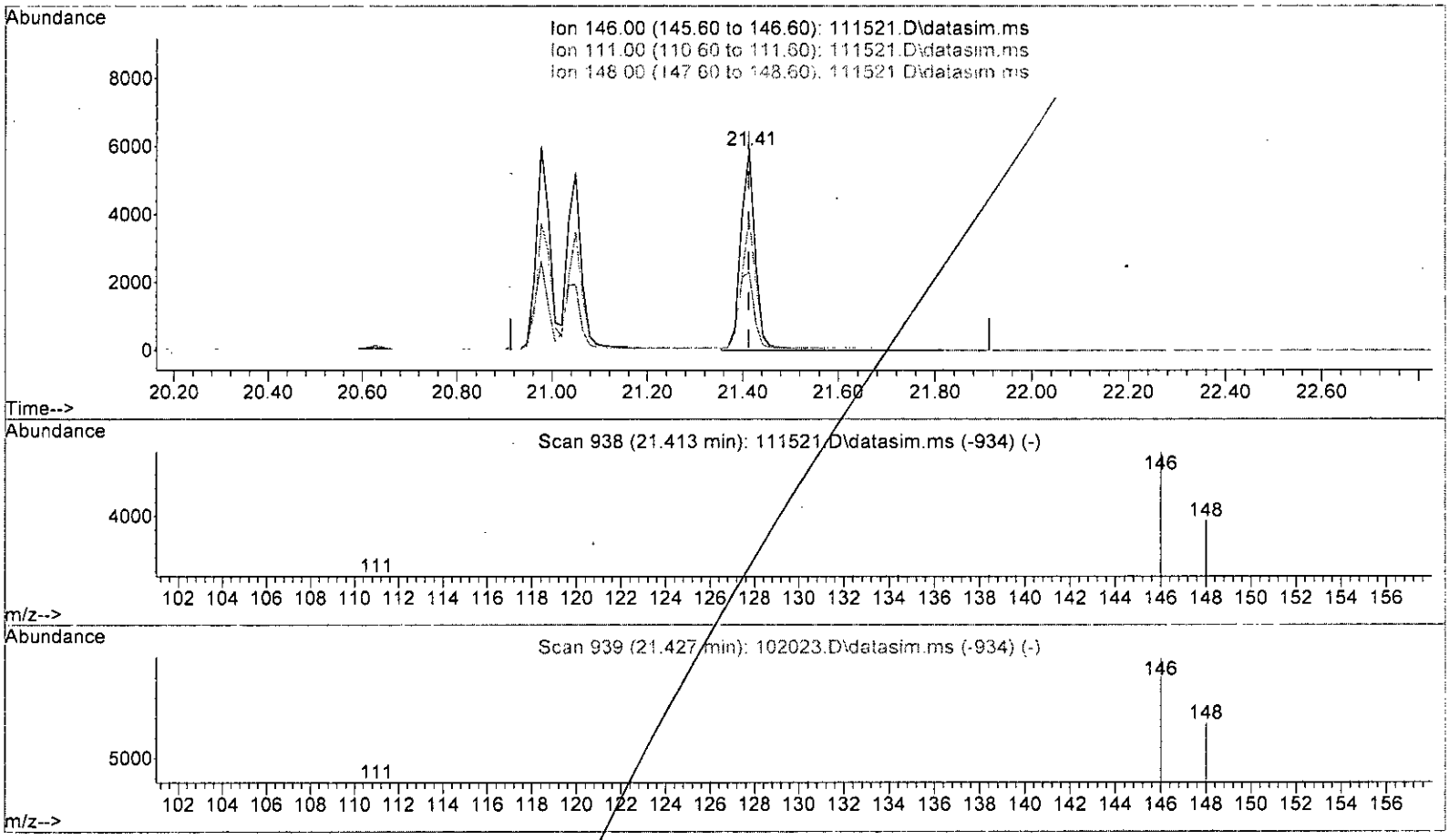
response 6878

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	91.39
85.00	60.50	62.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

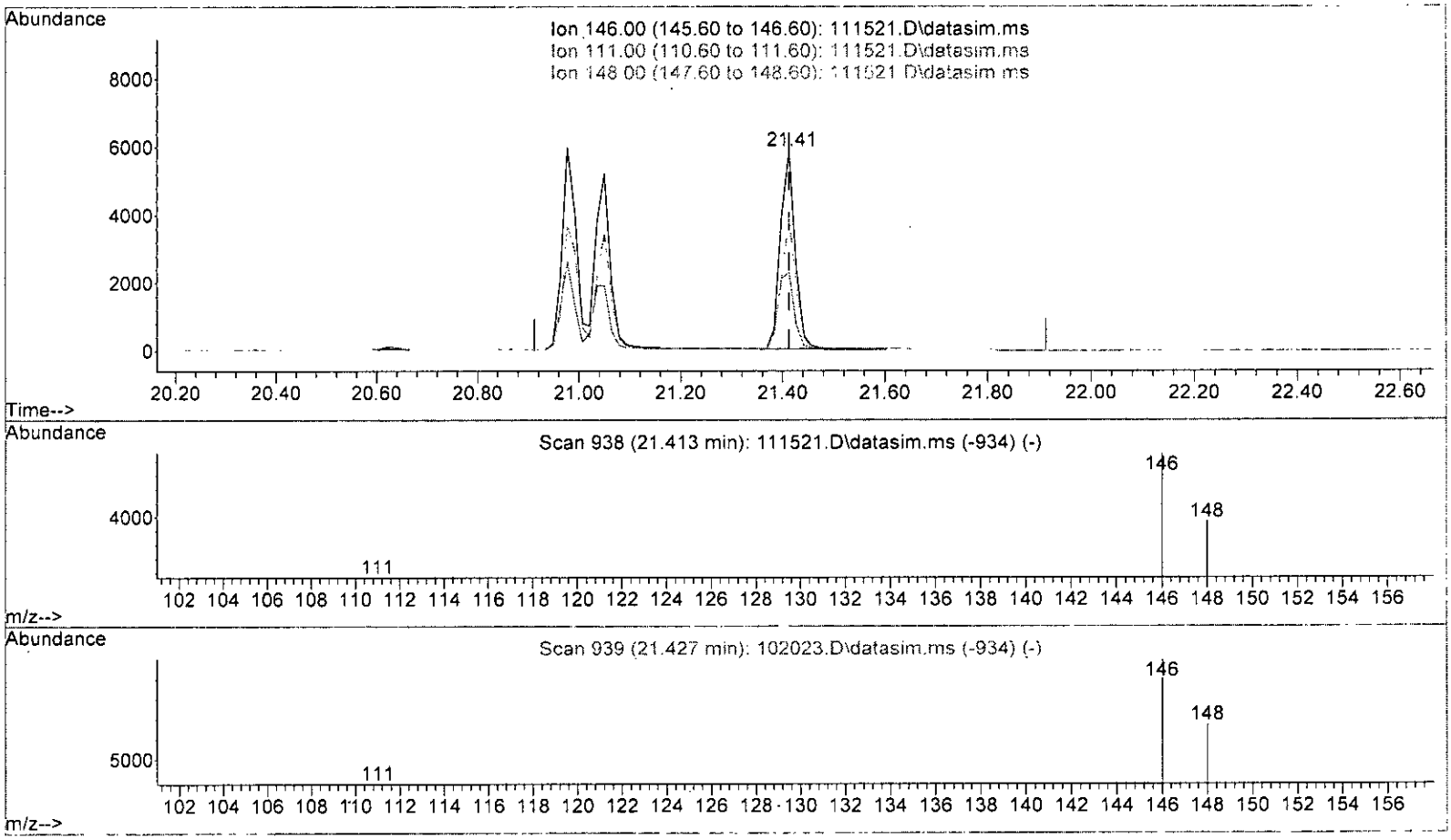
(75) 1,2-Dichlorobenzene (TMP)
21.413min (0.000) 0.517 ppbv
response 13096

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	39.23
148.00	63.20	66.49
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111521.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)
21.413min (0.000) 0.468 ppbv m
response 11857

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	39.23
148.00	63.20	66.49
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	62780	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	282561	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	247110	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	167120	9.759	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.60%			
Target Compounds							Qvalue
2) Propene	3.41	41	4242	0.427	ppbv		76
3) Dichlorodifluoromethane	3.49	85	12088	0.467	ppbv		95
4] Chloromethane	3.73	50	6232m	0.527	ppbv		
5) F-114	3.84	85	13815	0.522	ppbv		90
6] Vinyl chloride	4.05	62	5341	0.460	ppbv		100
7] 1,3-Butadiene	4.25	54	3388	0.444	ppbv	#	88
8) Butane	4.36	43	6502	0.474	ppbv	#	80
9) Bromomethane	4.60	94	5827	0.502	ppbv		97
10] Chloroethane	4.84	64	2091m	0.509	ppbv		
11] Vinyl bromide	5.30	106	4701m	0.465	ppbv		
12) Ethanol	4.96	45	2279	0.547	ppbv		84
13] Acrolein	5.38	56	2135m	0.467	ppbv		
14) Pentane	6.25	43	7908	0.512	ppbv		95
15) Trichlorofluoromethane	5.82	101	14988	0.499	ppbv		89
16) Acetone	5.57	58	2857	0.641	ppbv	#	40
17) 2-Propanol	5.78	45	9520	0.490	ppbv		89
18] 1,1-Dichloroethene	6.63	96	4794	0.464	ppbv		95
19] trans-1,2-Dichloroethene	8.07	96	4787	0.477	ppbv		99
20) Methylene chloride	6.78	84	4617	0.497	ppbv		93
21) t-Butyl alcohol (TBA)	6.57	59	8061	0.481	ppbv	#	75
22) 3-Chloropropene	6.94	41	5877	0.455	ppbv	#	78
23) CFC-113	7.15	101	10901	0.500	ppbv		96
24) Carbon disulfide	7.23	76	14652	0.452	ppbv		90
25) Methyl t-butyl ether (...	8.43	73	11016	0.511	ppbv		85
26) Vinyl acetate	8.54	43	9209m	0.386	ppbv		
27] 1,1-Dichloroethane	8.36	63	9817	0.468	ppbv		100
28] cis-1,2-Dichloroethene	9.62	96	4957	0.467	ppbv		88
29) Hexane	10.01	57	5959	0.459	ppbv		99
30] Chloroform	10.08	83	11798	0.479	ppbv		96
31) Ethyl acetate	9.92	43	10717m	0.451	ppbv		
32) Tetrahydrofuran	10.76	42	5217	0.459	ppbv		94
33) 2-Butanone (MEK)	8.88	72	1917	0.493	ppbv	#	50
34] 1,2-Dichloroethane (EDC)	11.34	62	7997	0.489	ppbv		98
35] 1,1,1-Trichloroethane	11.83	97	9916m	0.472	ppbv		
36) Carbon tetrachloride	0.00		0	N.D.	d		
37] Benzene	12.61	78	16358	0.444	ppbv		96
38) Cyclohexane	13.07	84	4321m	0.503	ppbv		
40] 1,2-Dichloropropane	13.80	63	7586	0.496	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

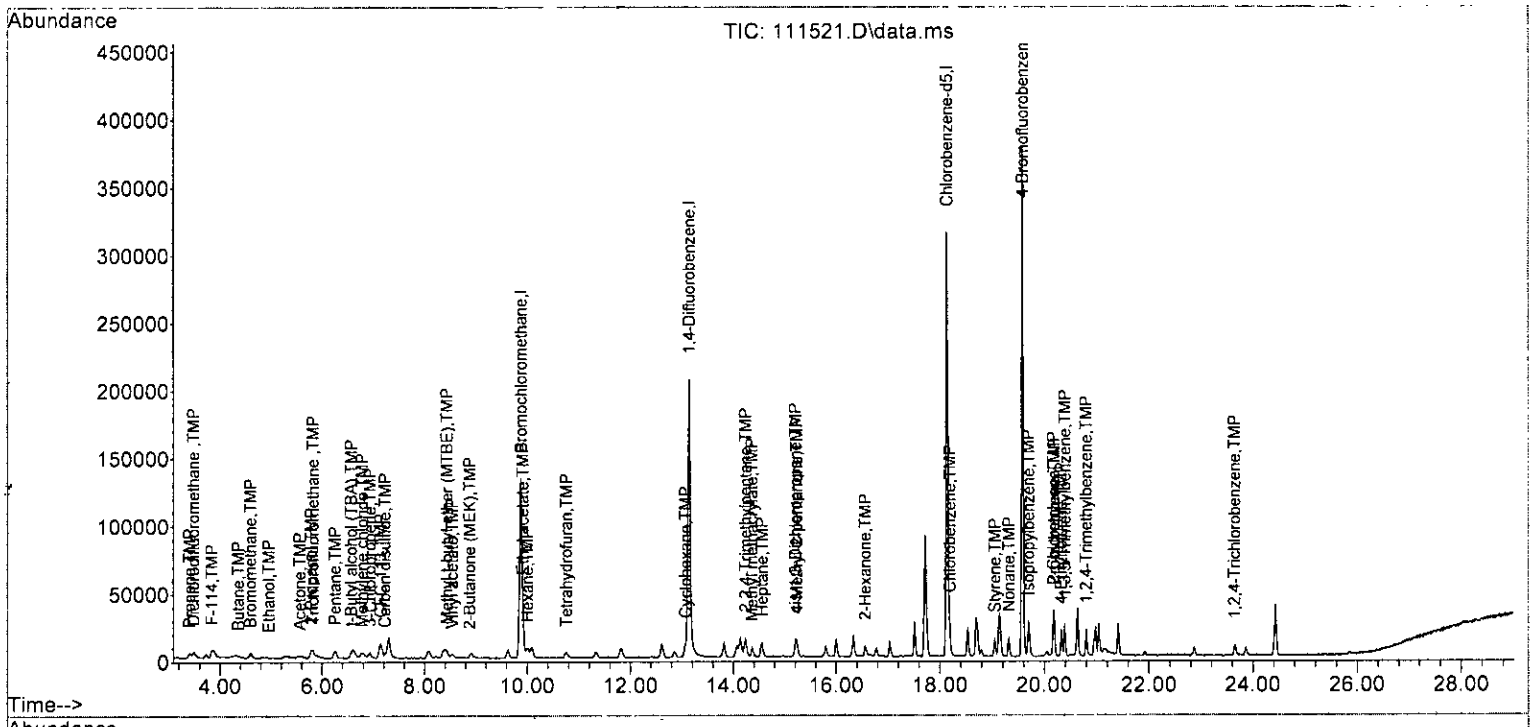
Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

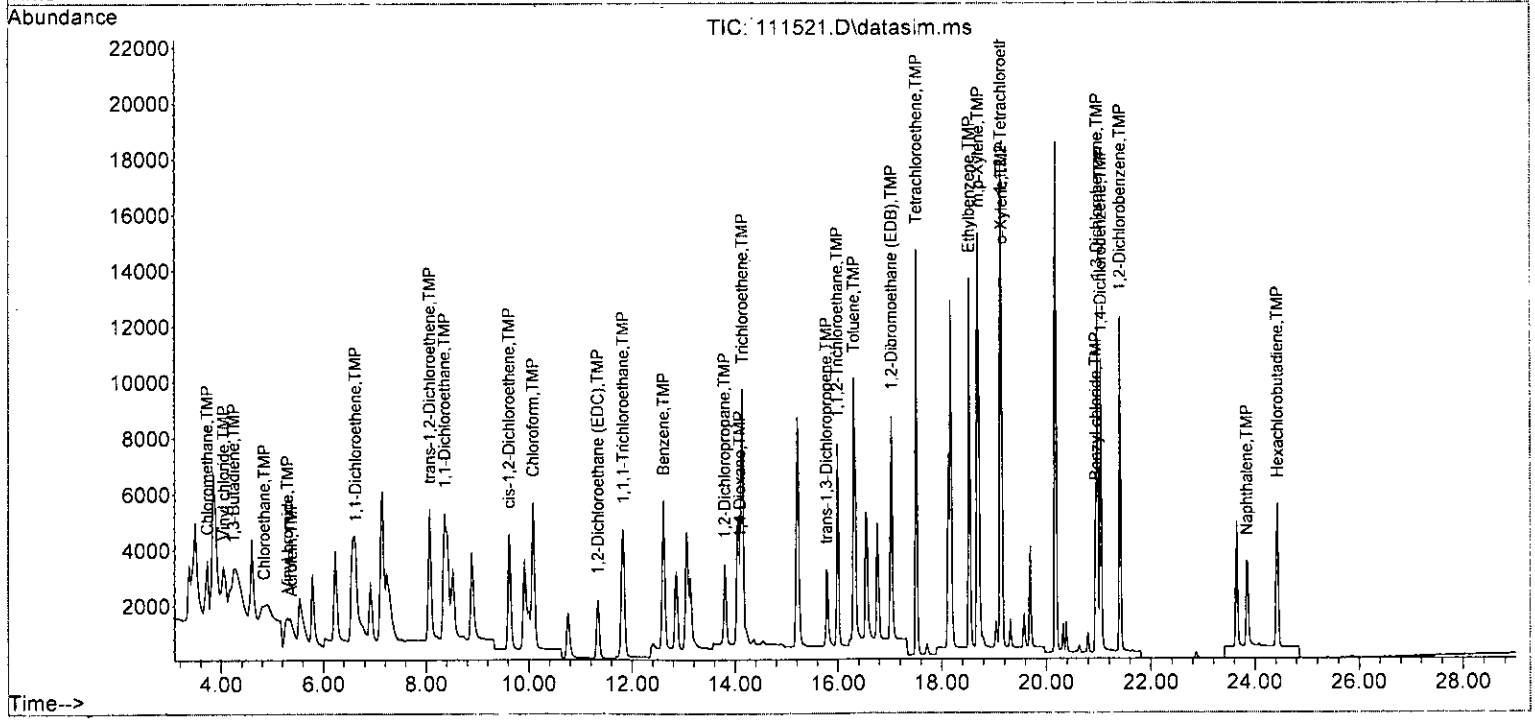
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	3307	0.508	ppbv		97
42) 2,2,4-Trimethylpentane	14.24	57	23406	0.518	ppbv	#	89
43) Methyl methacrylate	14.36	41	6480	0.473	ppbv		93
44) Heptane	14.56	43	8800	0.469	ppbv		94
45) Bromodichloromethane	0.00		0	N.D.	d		
46] Trichloroethene	14.14	95	8035	0.479	ppbv		96
47) cis-1,3-Dichloropropene	15.20	75	8156	0.482	ppbv		94
48) 4-Methyl-2-pentanone	15.23	100	530	0.424	ppbv	#	48
49] trans-1,3-Dichloropropene	15.78	75	7021	0.441	ppbv		83
50] Toluene	16.31	92	9760m	0.489	ppbv		
51] 1,1,2-Trichloroethane	16.00	83	6878m	0.459	ppbv		
52) 2-Hexanone	16.56	43	10310	0.431	ppbv		96
53] Tetrachloroethene	17.52	164	7301	0.528	ppbv		90
54) Dibromochloromethane	0.00		0	N.D.	d		
55] 1,2-Dibromoethane (EDB)	17.04	107	11473	0.521	ppbv		96
57) Chlorobenzene	18.19	112	14186	0.521	ppbv		96
58] Ethylbenzene	18.53	91	20591	0.457	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	15858	0.471	ppbv		93
60) Nonane	19.32	43	8158	0.337	ppbv	#	94
61) Isopropylbenzene	19.70	105	19999	0.452	ppbv		97
62) 2-Chlorotoluene	20.17	126	4873	0.440	ppbv		78
63) Propylbenzene	20.19	91	35474	0.436	ppbv		98
64) 4-Ethyltoluene	20.32	105	14983	0.376	ppbv		99
65] m,p-Xylene	18.70	106	13752	0.879	ppbv		95
66] o-Xylene	19.15	106	6766	0.445	ppbv		99
67) Styrene	19.05	104	9668	0.478	ppbv		94
68) Bromoform	0.00		0	N.D.	d		
70] Benzyl chloride	20.95	91	8022	0.289	ppbv		97
71) 1,3,5-Trimethylbenzene	20.39	105	14022	0.391	ppbv		88
72) 1,2,4-Trimethylbenzene	20.80	105	11406	0.407	ppbv		98
73] 1,3-Dichlorobenzene	20.98	146	11791	0.472	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	10042	0.429	ppbv		97
75] 1,2-Dichlorobenzene	21.41	146	11857m	0.468	ppbv		
76) 1,2,4-Trichlorobenzene	23.64	180	4328	0.305	ppbv		99
77] Naphthalene	23.84	128	8380	0.490	ppbv		97
78] Hexachlorobutadiene	24.44	225	12265	0.475	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.500	0.427	14.6	100	0.00
3	TMP	Dichlorodifluoromethane	0.500	0.467	6.6	107	0.00
4	TMP	Chloromethane	0.500	0.527	-5.4	101	0.00
5	TMP	F-114	0.500	0.522	-4.4	101	-0.04
6	TMP	Vinyl chloride	0.500	0.460	8.0	100	-0.04
7	TMP	1,3-Butadiene	0.500	0.444	11.2	101	-0.04
8	TMP	Butane	0.500	0.474	5.2	100	0.04
9	TMP	Bromomethane	0.500	0.502	-0.4	100	0.00
10	TMP	Chloroethane	0.500	0.509	-1.8	105	0.00
11	TMP	Vinyl bromide	0.500	0.465	7.0	91	-0.02
12	TMP	Ethanol	0.500	0.547	-9.4	100	0.00
13	TMP	Acrolein	0.500	0.467	6.6	98	-0.04
14	TMP	Pentane	0.500	0.512	-2.4	100	0.00
15	TMP	Trichlorofluoromethane	0.500	0.499	0.2	100	-0.02
16	TMP	Acetone	0.500	0.641	-28.2	100	0.00
17	TMP	2-Propanol	0.500	0.490	2.0	100	0.00
18	TMP	1,1-Dichloroethene	0.500	0.464	7.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.500	0.477	4.6	100	-0.03
20	TMP	Methylene chloride	0.500	0.497	0.6	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	0.500	0.481	3.8	100	0.00
22	TMP	3-Chloropropene	0.500	0.455	9.0	100	0.00
23	TMP	CFC-113	0.500	0.500	0.0	100	0.00
24	TMP	Carbon disulfide	0.500	0.452	9.6	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	0.500	0.511	-2.2	100	0.00
26	TMP	Vinyl acetate	0.500	0.386	22.8	100	0.00
27	TMP	1,1-Dichloroethane	0.500	0.468	6.4	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.500	0.467	6.6	100	-0.02
29	TMP	Hexane	0.500	0.459	8.2	100	0.00
30	TMP	Chloroform	0.500	0.479	4.2	100	-0.02
31	TMP	Ethyl acetate	0.500	0.451	9.8	100	0.00
32	TMP	Tetrahydrofuran	0.500	0.459	8.2	100	0.00
33	TMP	2-Butanone (MEK)	0.500	0.493	1.4	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	0.500	0.489	2.2	106	0.00
35	TMP	1,1,1-Trichloroethane	0.500	0.472	5.6	104	0.00
36	TMP	Carbon tetrachloride	0.500	0.000	100.0#	0	-12.86#
37	TMP	Benzene	0.500	0.444	11.2	100	0.00
38	TMP	Cyclohexane	0.500	0.503	-0.6	108	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.500	0.496	0.8	104	0.00
41	TMP	1,4-Dioxane	0.500	0.508	-1.6	100	0.00
42	TMP	2,2,4-Trimethylpentane	0.500	0.518	-3.6	100	0.00
43	TMP	Methyl methacrylate	0.500	0.473	5.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.500	0.469	6.2	100	0.00
45	TMP	Bromodichloromethane	0.500	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	0.500	0.479	4.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.500	0.482	3.6	100	0.00
48	TMP	4-Methyl-2-pentanone	0.500	0.424	15.2	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.500	0.441	11.8	100	0.00
50	TMP	Toluene	0.500	0.489	2.2	102	0.00
51	TMP	1,1,2-Trichloroethane	0.500	0.459	8.2	99	0.00
52	TMP	2-Hexanone	0.500	0.431	13.8	100	0.00
53	TMP	Tetrachloroethene	0.500	0.528	-5.6	100	0.00
54	TMP	Dibromochloromethane	0.500	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.500	0.521	-4.2	108	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.500	0.521	-4.2	100	0.00
58	TMP	Ethylbenzene	0.500	0.457	8.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.500	0.471	5.8	100	0.00
60	TMP	Nonane	0.500	0.337	32.6#	100	0.02
61	TMP	Isopropylbenzene	0.500	0.452	9.6	100	0.00
62	TMP	2-Chlorotoluene	0.500	0.440	12.0	100	0.00
63	TMP	Propylbenzene	0.500	0.436	12.8	100	0.00
64	TMP	4-Ethyltoluene	0.500	0.376	24.8	100	0.00
65	TMP	m,p-Xylene	1.000	0.879	12.1	100	0.00
66	TMP	o-Xylene	0.500	0.445	11.0	100	0.00
67	TMP	Styrene	0.500	0.478	4.4	100	0.00
68	TMP	Bromoform	0.500	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.759	2.4	100	0.00
70	TMP	Benzyl chloride	0.500	0.289	42.2#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	0.500	0.391	21.8	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.500	0.407	18.6	100	0.00
73	TMP	1,3-Dichlorobenzene	0.500	0.472	5.6	100	0.00
74	TMP	1,4-Dichlorobenzene	0.500	0.429	14.2	100	0.00
75	TMP	1,2-Dichlorobenzene	0.500	0.468	6.4	102	0.00
76	TMP	1,2,4-Trichlorobenzene	0.500	0.305	39.0#	100	0.00
77	TMP	Naphthalene	0.500	0.490	2.0	100	0.00
78	TMP	Hexachlorobutadiene	0.500	0.475	5.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.351	13.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	3.851	6.6	107	0.00
4	TMP	Chloromethane	1.882	1.985	-5.5	101	0.00
5	TMP	F-114	4.217	4.401	-4.4	101	-0.04
6	TMP	Vinyl chloride	1.851	1.701	8.1	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.079	11.3	101	-0.04
8	TMP	Butane	2.183	2.071	5.1	100	0.04
9	TMP	Bromomethane	1.847	1.856	-0.5	100	0.00
10	TMP	Chloroethane	0.655	0.666	-1.7	105	0.00
11	TMP	Vinyl bromide	1.609	1.498	6.9	91	-0.02
12	TMP	Ethanol	0.663	0.726	-9.5	100	0.00
13	TMP	Acrolein	0.729	0.680	6.7	98	-0.04
14	TMP	Pentane	2.461	2.519	-2.4	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.775	0.1	100	-0.02
16	TMP	Acetone	0.710	0.910	-28.2	100	0.00
17	TMP	2-Propanol	3.096	3.033	2.0	100	0.00
18	TMP	1,1-Dichloroethene	1.645	1.527	7.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.525	4.6	100	-0.03
20	TMP	Methylene chloride	1.479	1.471	0.5	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.668	2.568	3.7	100	0.00
22	TMP	3-Chloropropene	2.056	1.872	8.9	100	0.00
23	TMP	CFC-113	3.469	3.473	-0.1	100	0.00
24	TMP	Carbon disulfide	5.167	4.668	9.7	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.509	-2.2	100	0.00
26	TMP	Vinyl acetate	3.801	2.934	22.8	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.127	6.4	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.579	6.6	100	-0.02
29	TMP	Hexane	2.068	1.898	8.2	100	0.00
30	TMP	Chloroform	4.060	3.759	7.4	100	-0.02
31	TMP	Ethyl acetate	3.789	3.414	9.9	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.662	8.1	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.611	1.3	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.548	5.2	106	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.159	5.5	104	0.00
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	5.211	8.4	100	0.00
38	TMP	Cyclohexane	1.367	1.377	-0.7	108	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.537	0.7	104	0.00
41	TMP	1,4-Dioxane	0.230	0.234	-1.7	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.657	-3.7	100	0.00
43	TMP	Methyl methacrylate	0.485	0.459	5.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111521.D
Acq On : 16 Nov 2022 7:07 am
Operator : bat
Sample : 0.5 ppbv 67-196B
Misc : T6, 125cc of 1ppbv
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:33:05 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

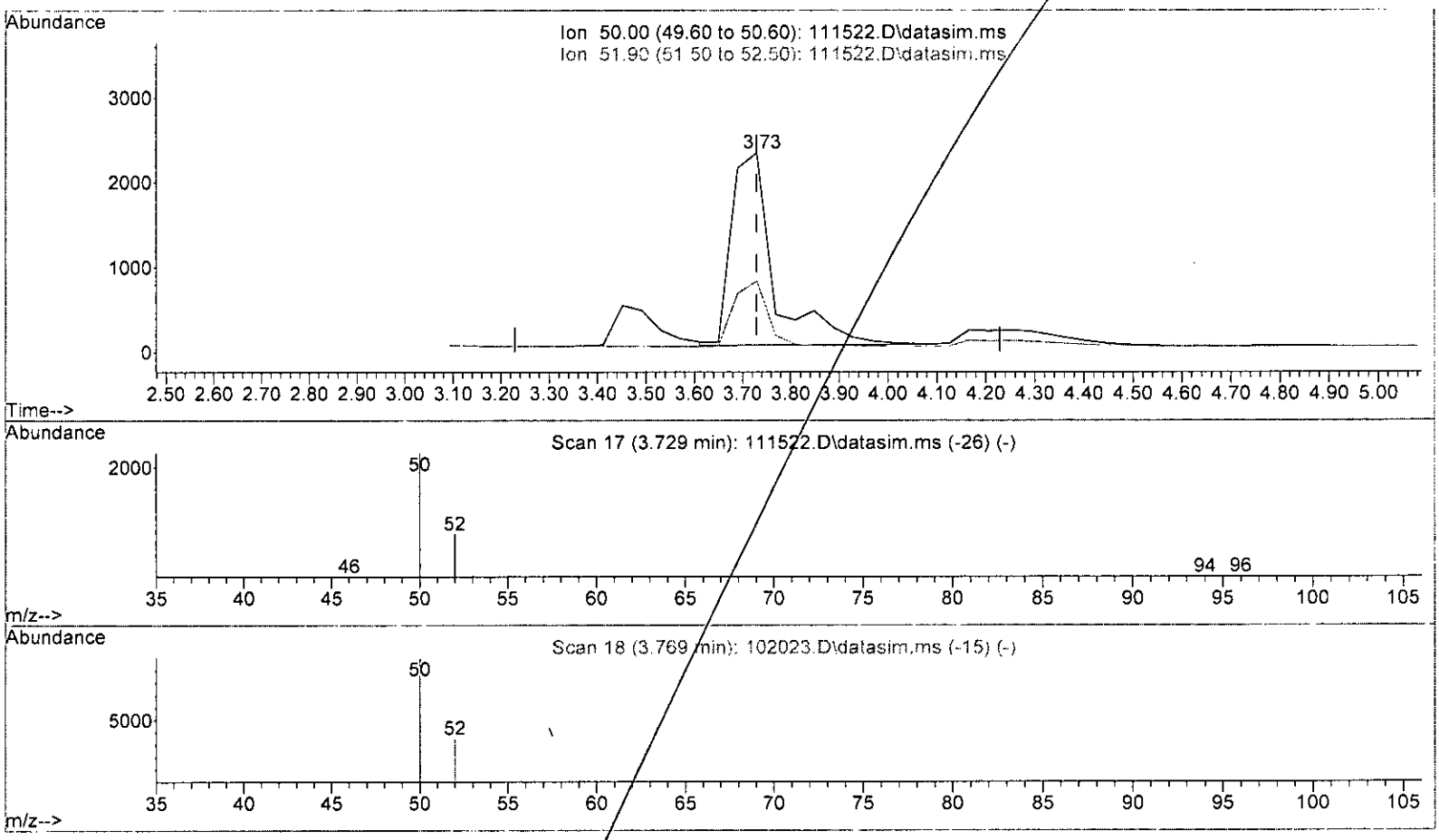
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.623	6.0	100	0.00
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.569	4.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.577	3.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.038	13.6	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.497	11.7	100	0.00
50	TMP	Toluene	0.707	0.691	2.3	102	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.487	11.5	99	0.00
52	TMP	2-Hexanone	0.846	0.730	13.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.517	-5.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.812	1.5	108	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.148	-4.3	100	0.00
58	TMP	Ethylbenzene	1.968	1.667	15.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.283	8.0	100	0.00
60	TMP	Nonane	0.981	0.660	32.7#	100	0.02
61	TMP	Isopropylbenzene	1.792	1.619	9.7	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.394	12.1	100	0.00
63	TMP	Propylbenzene	3.292	2.871	12.8	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.213	24.7	100	0.00
65	TMP	m,p-Xylene	0.633	0.557	12.0	100	0.00
66	TMP	o-Xylene	0.615	0.548	10.9	100	0.00
67	TMP	Styrene	0.819	0.782	4.5	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.676	2.5	100	0.00
70	TMP	Benzyl chloride	0.987	0.649	34.2#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.135	21.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	0.923	26.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.954	5.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.813	14.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	0.960	6.3	102	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.350	44.1#	100	0.00
77	TMP	Naphthalene	1.132	0.678	40.1#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.993	5.0	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 1.190 ppbv

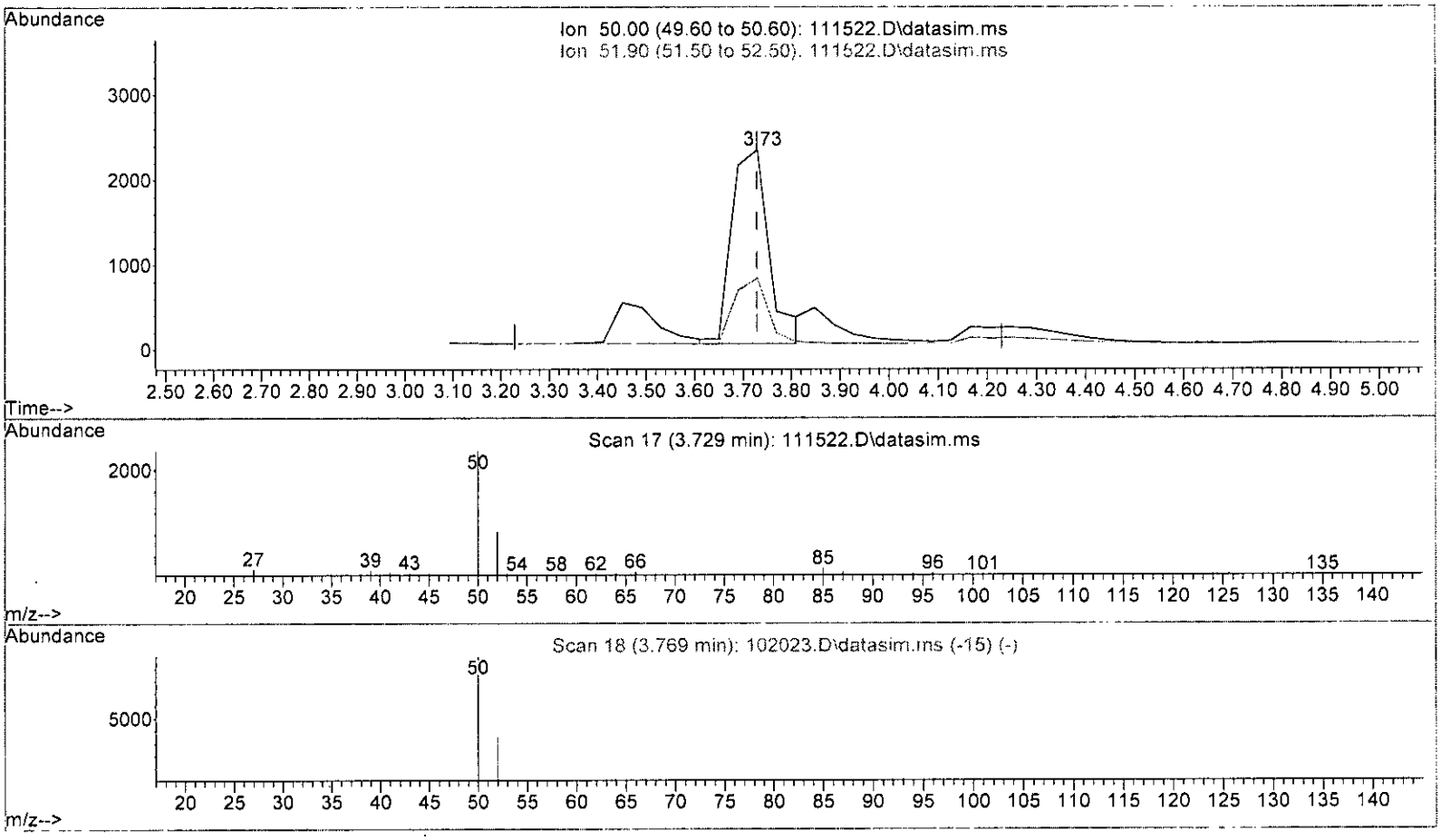
response 13862

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 1.051 ppbv m

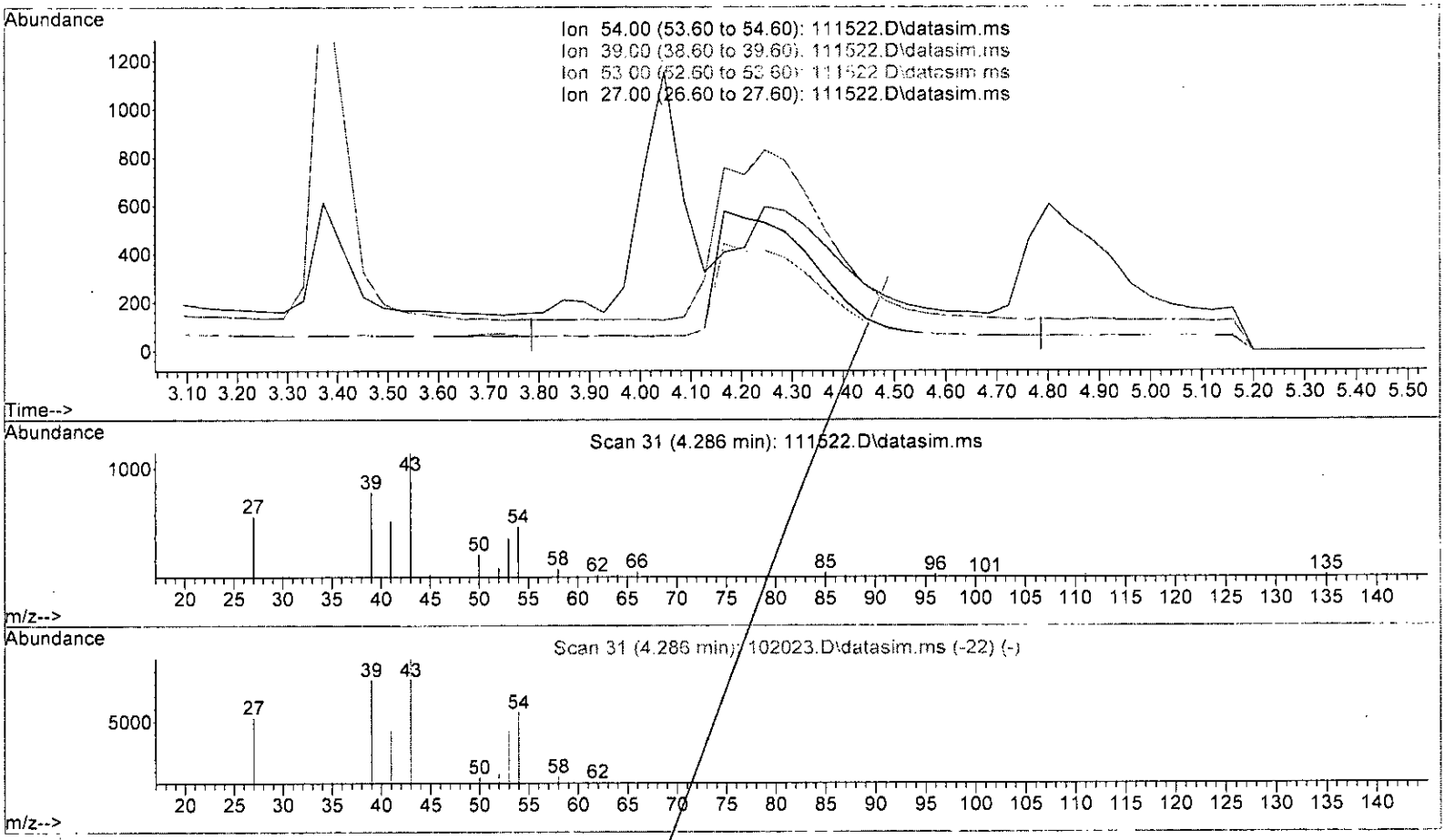
response 12248

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	35.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

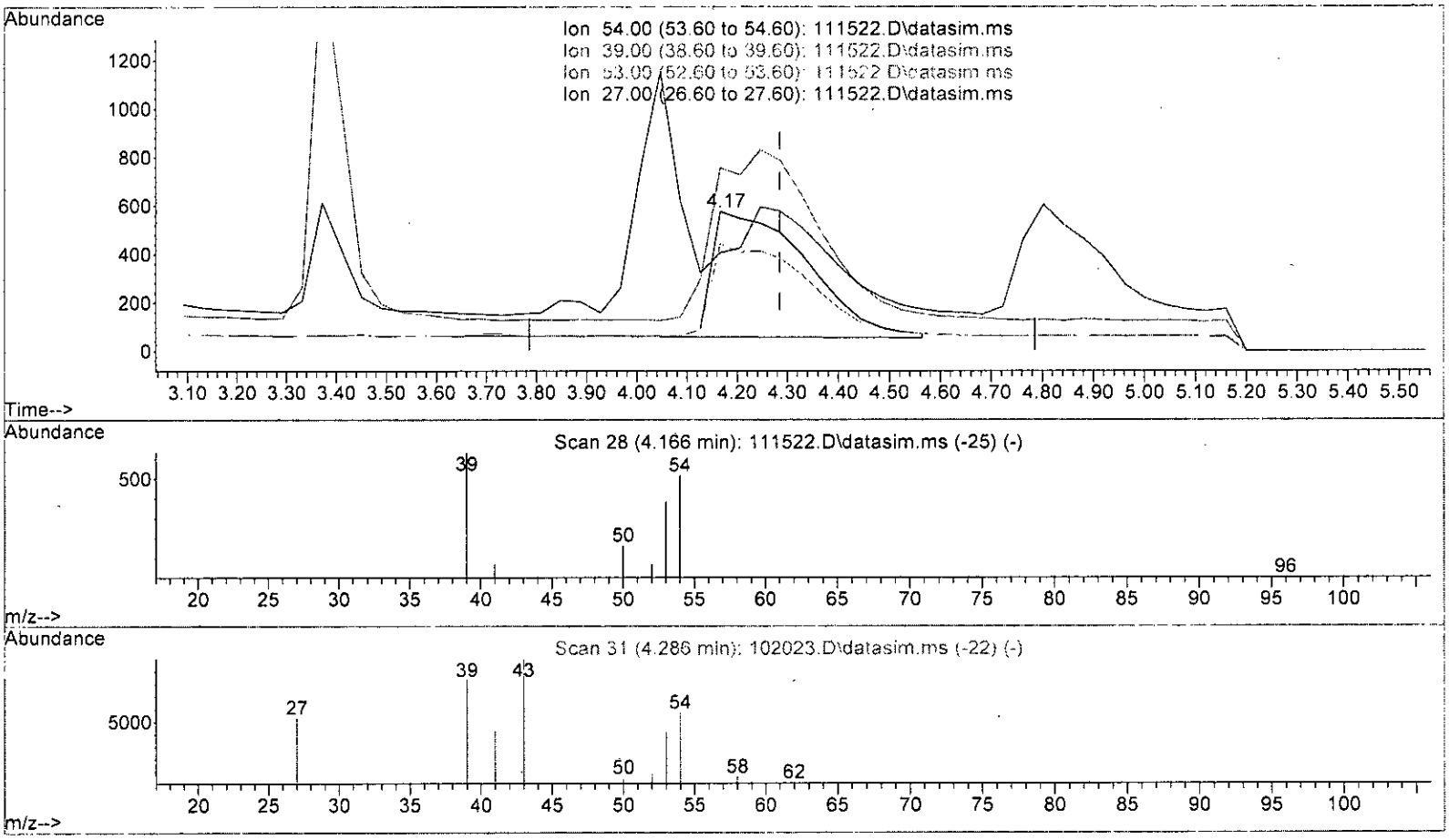
(7) 1,3-Butadiene (TMP)
4.286min (-4.286) 0.000 ppbv
response 0

Ion	Exp%	Act%
54.00	100.00	0.00
39.00	127.60	0.00#
53.00	72.40	0.00#
27.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(7) 1,3-Butadiene (TMP)

4.166min (-0.120) 0.903 ppbv m

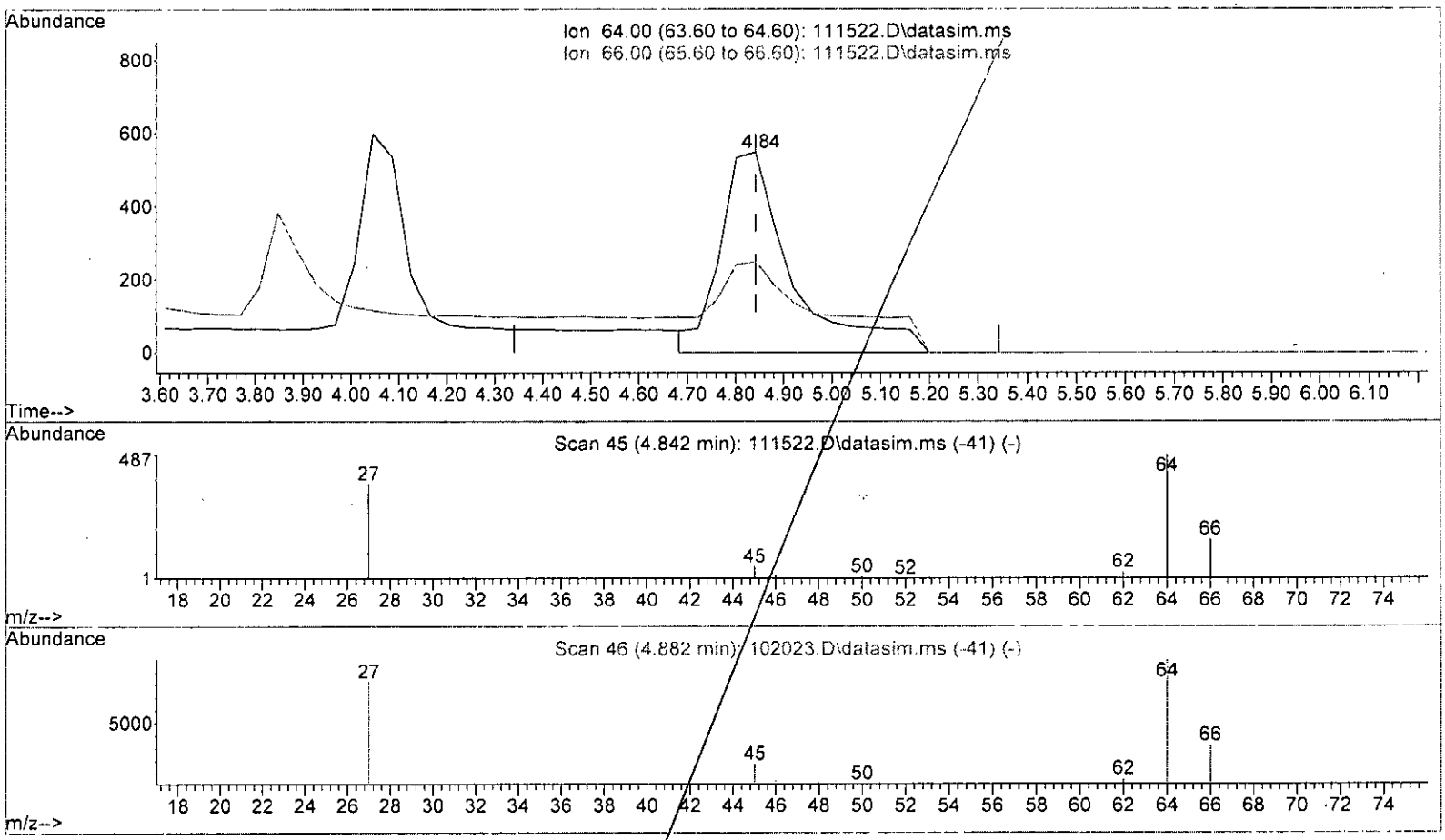
response 6793

Ion	Exp%	Act%
54.00	100.00	100.00
39.00	127.60	131.48
53.00	72.40	76.70
27.00	0.00	70.61#

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

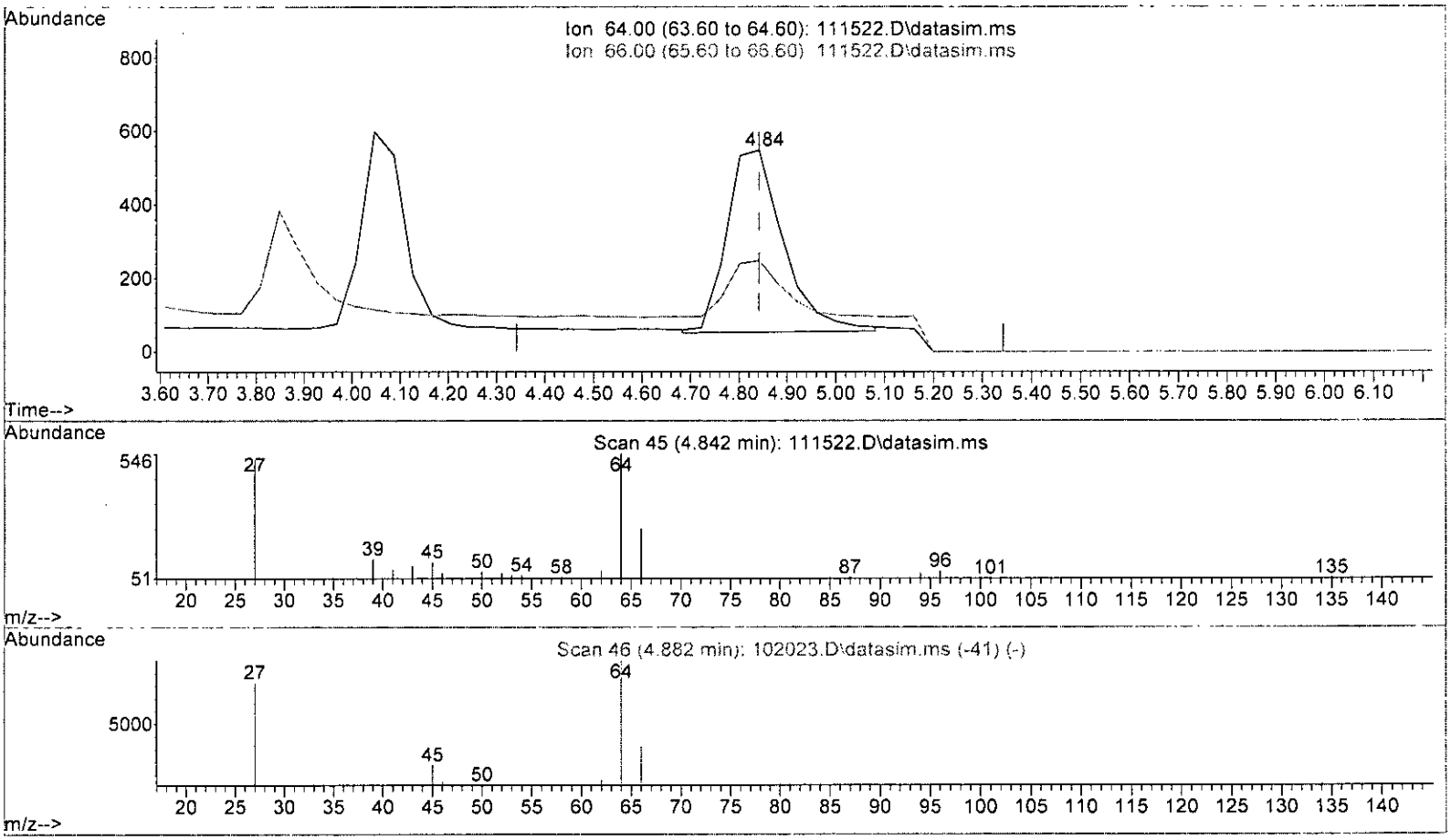
(10) Chloroethane (TMP)
4.842min (-0.000) 1.336 ppbv
response 5411

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	45.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 0.997 ppbv m

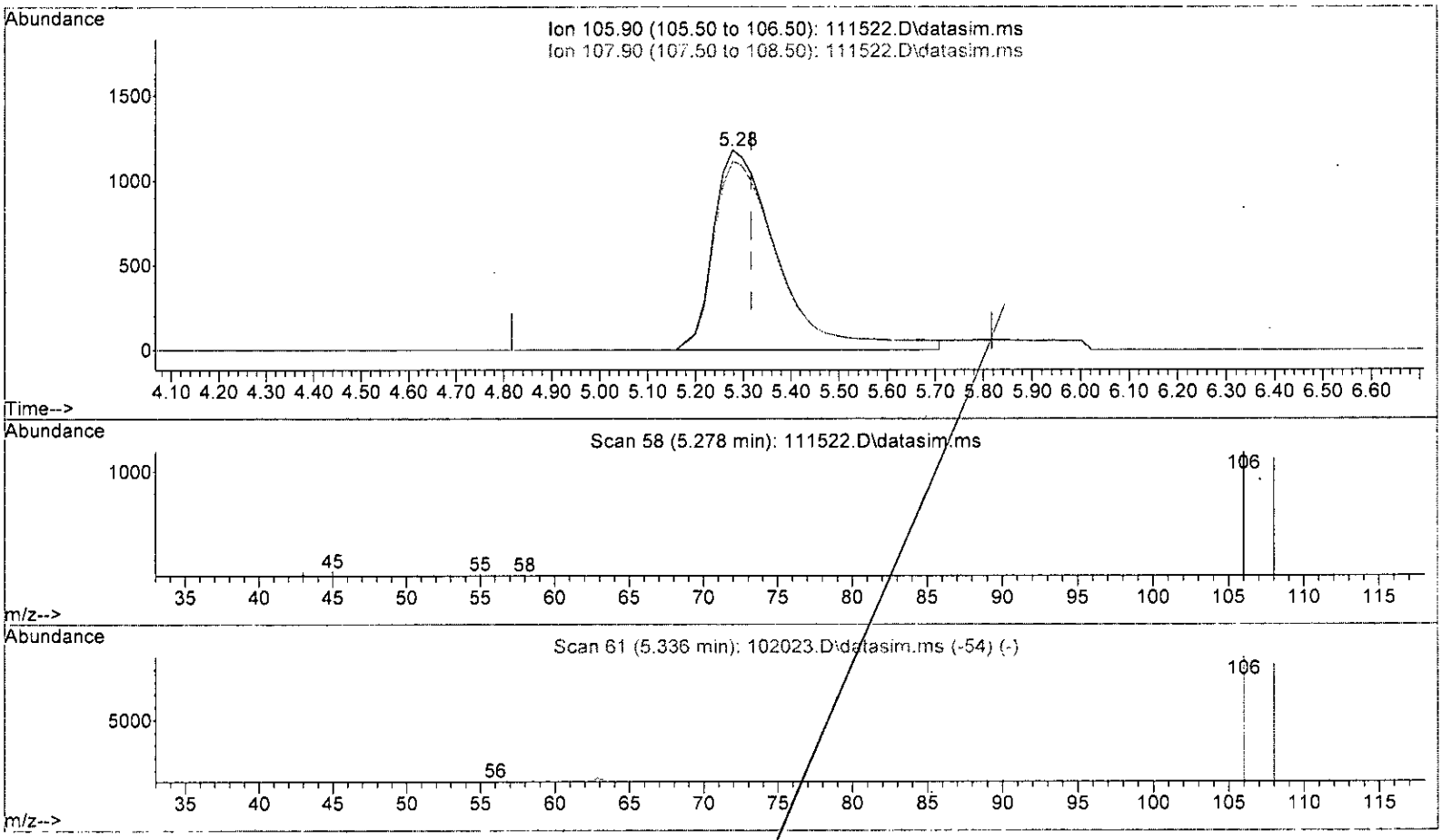
response 4039

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	45.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

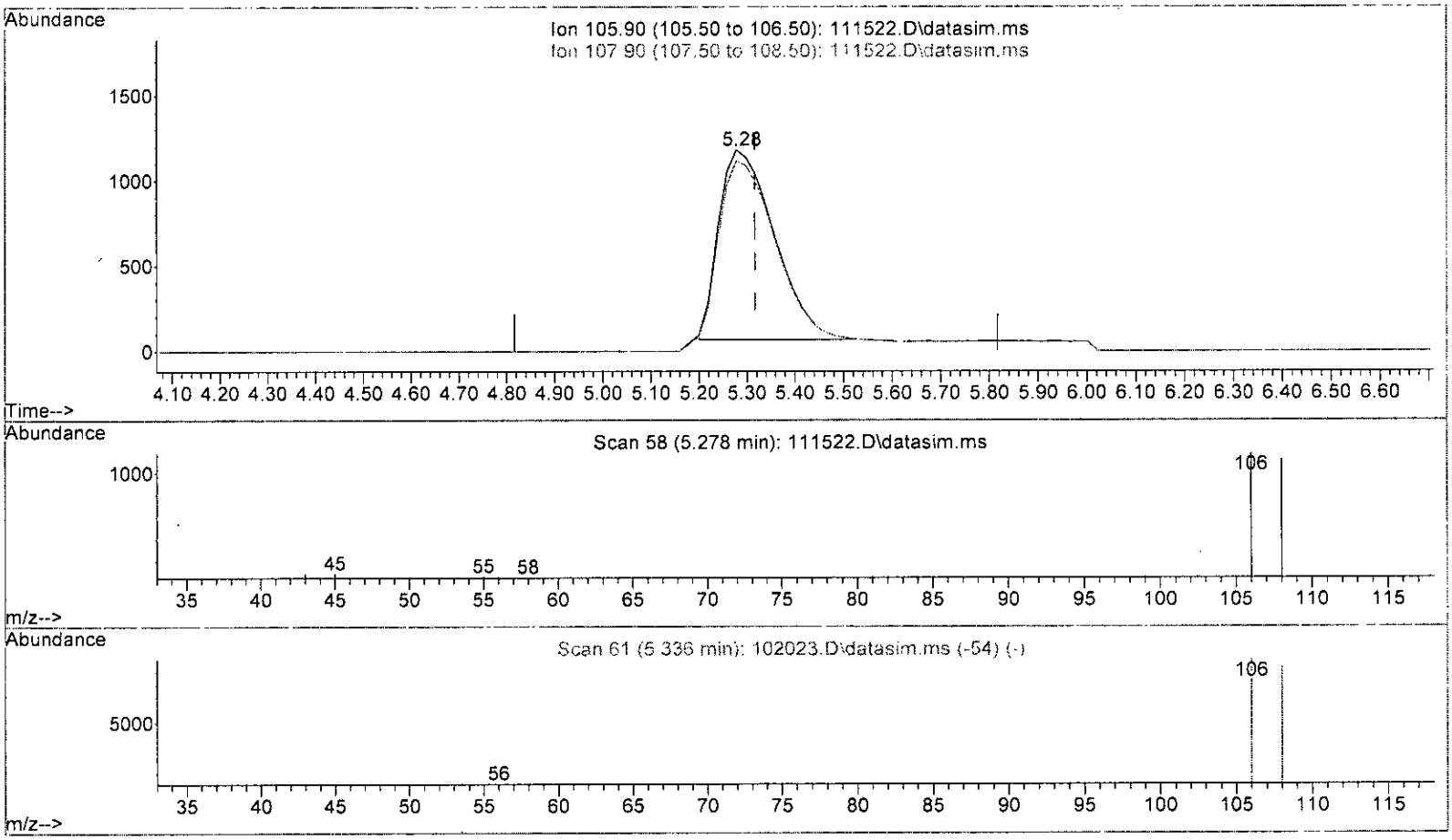
(11) Vinyl bromide (TMP)
5.278min (-0.039) 1.183 ppbv
response 11781

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	95.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(11) Vinyl bromide (TMP)

5.278min (-0.039) 0.894 ppbv m

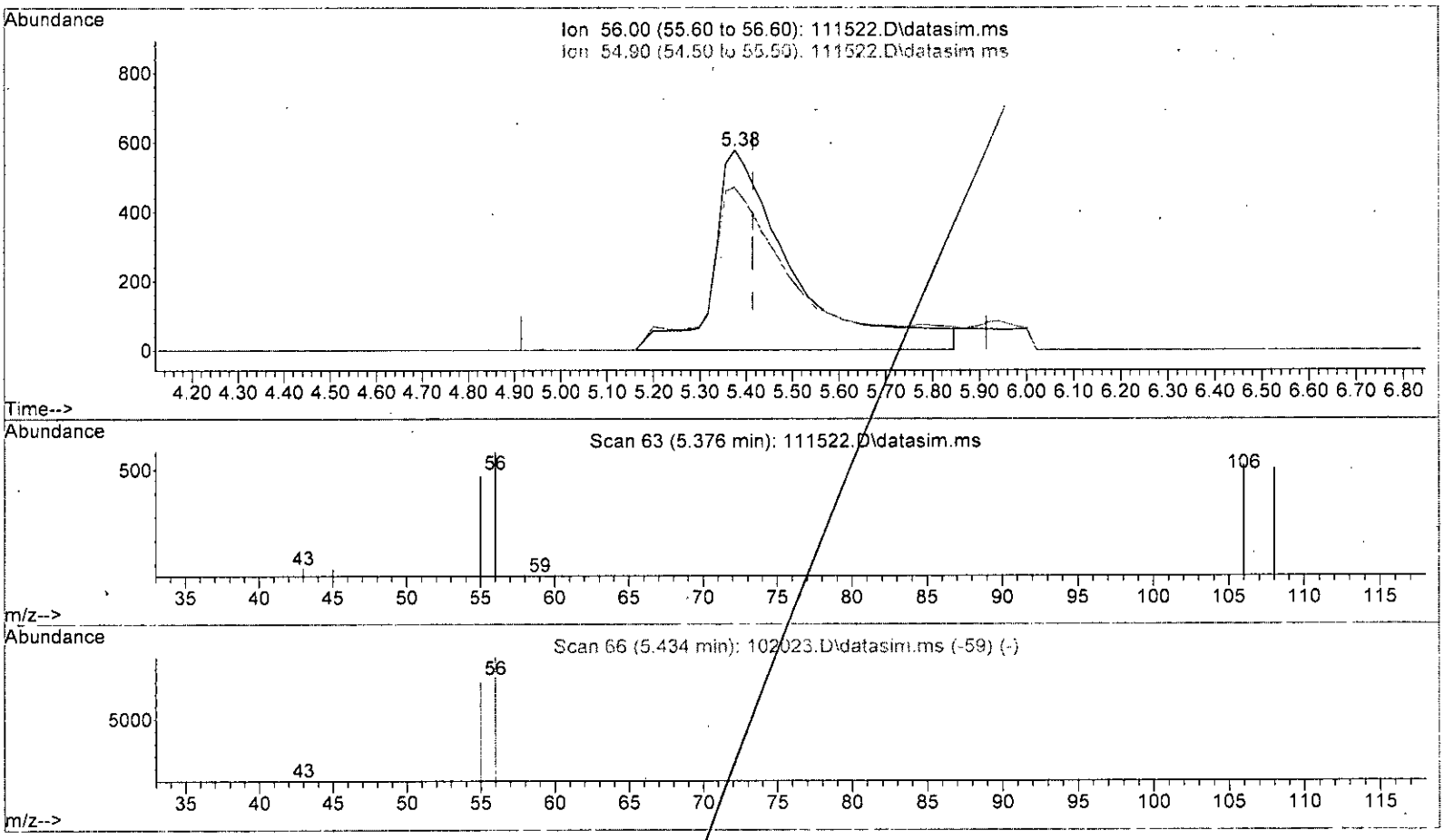
response 8908

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	126.71#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 1.588 ppbv

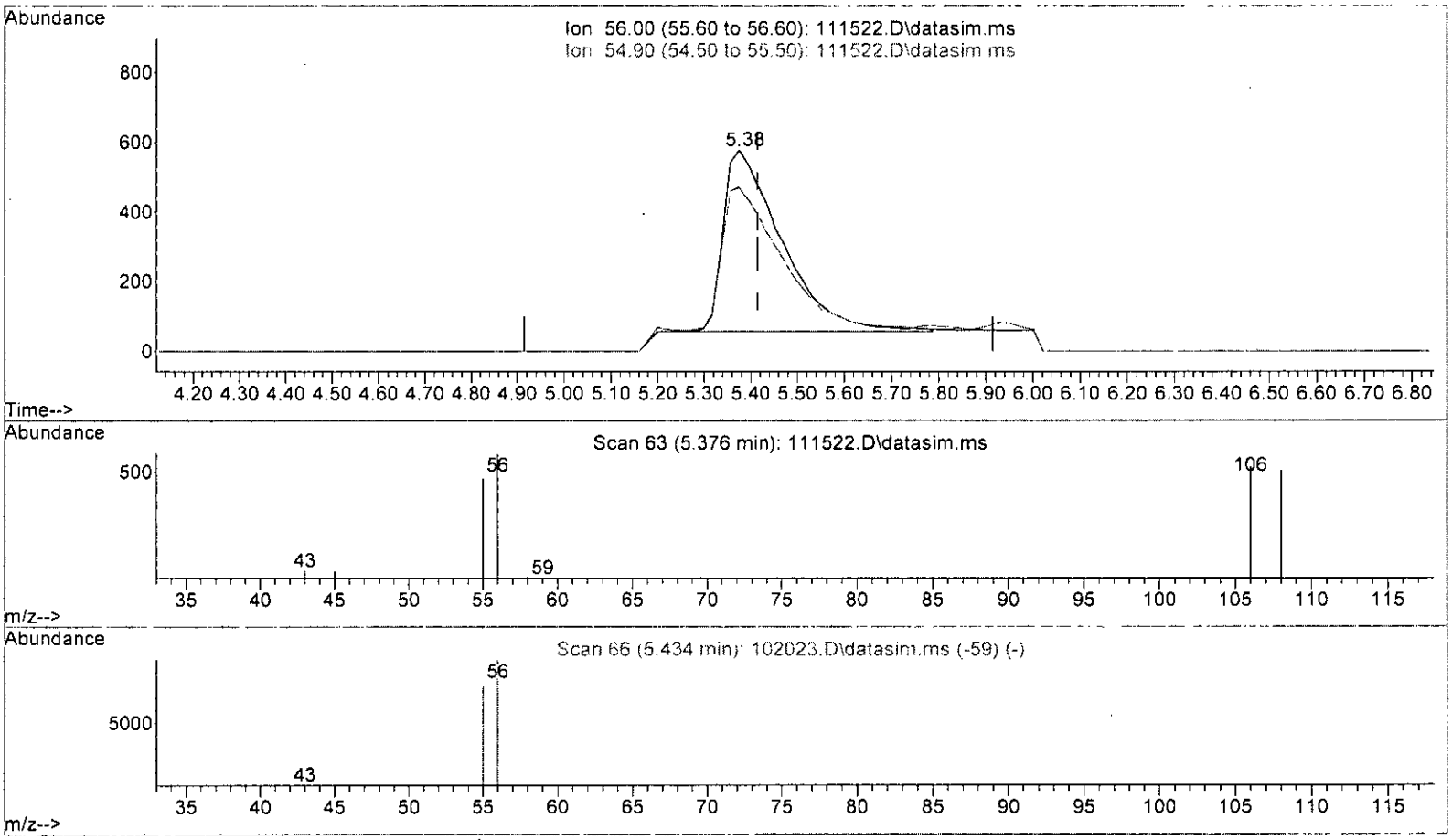
response 7163

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	61.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(13) Acrolein (TMP)

5.376min (-0.039) 1.000 ppbv m

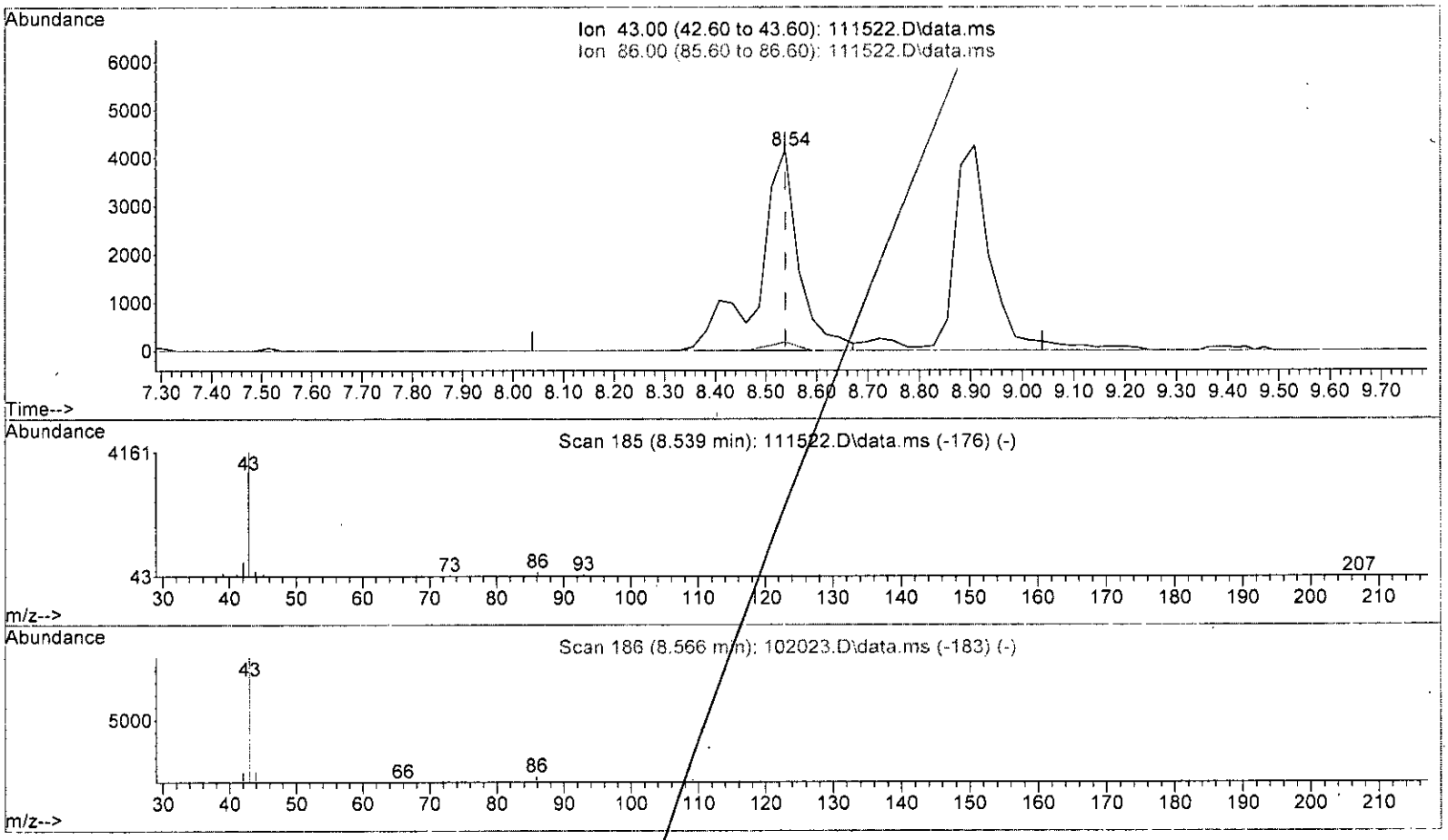
response 4512

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	97.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

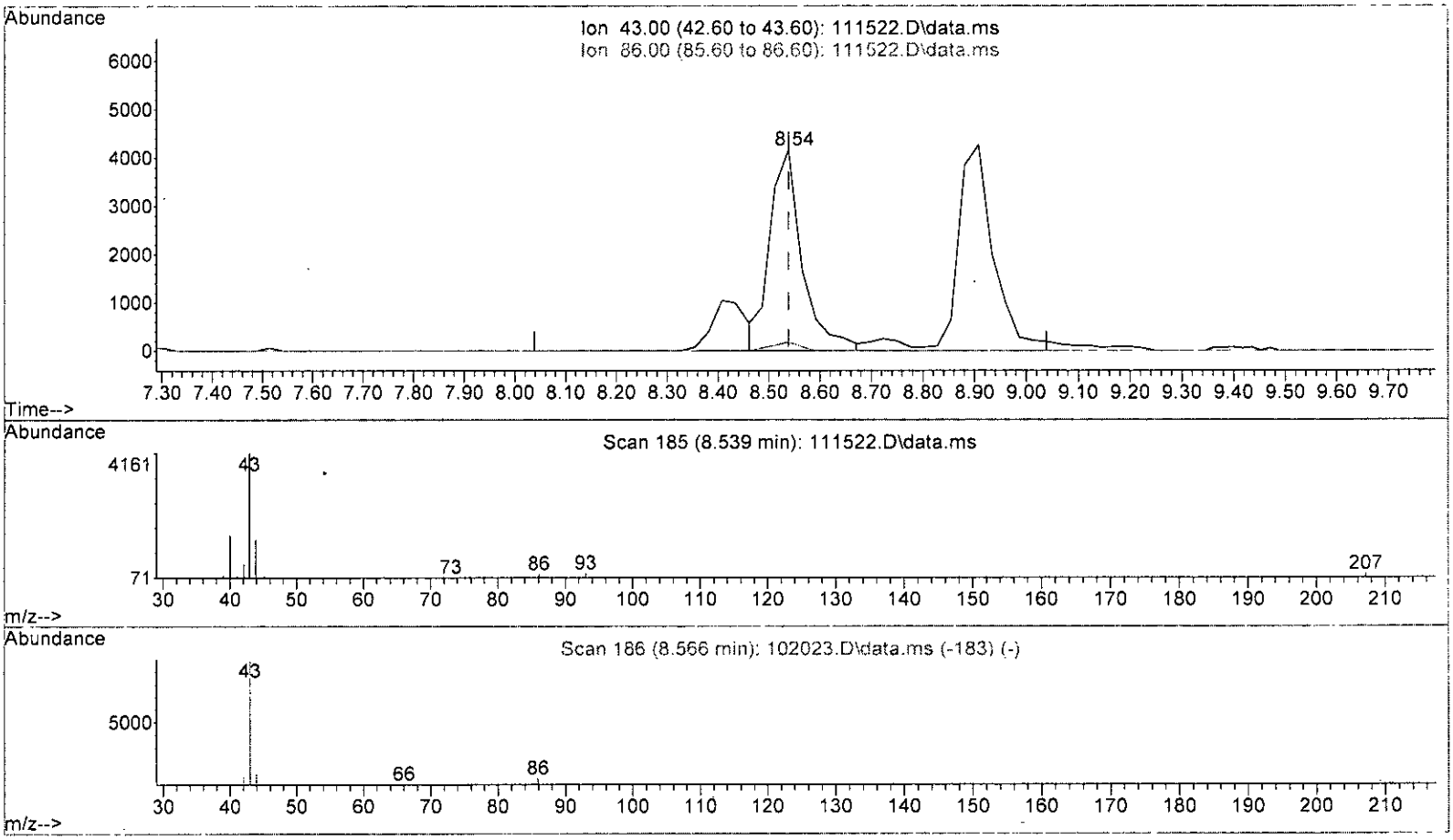
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.976 ppbv
response 22967

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

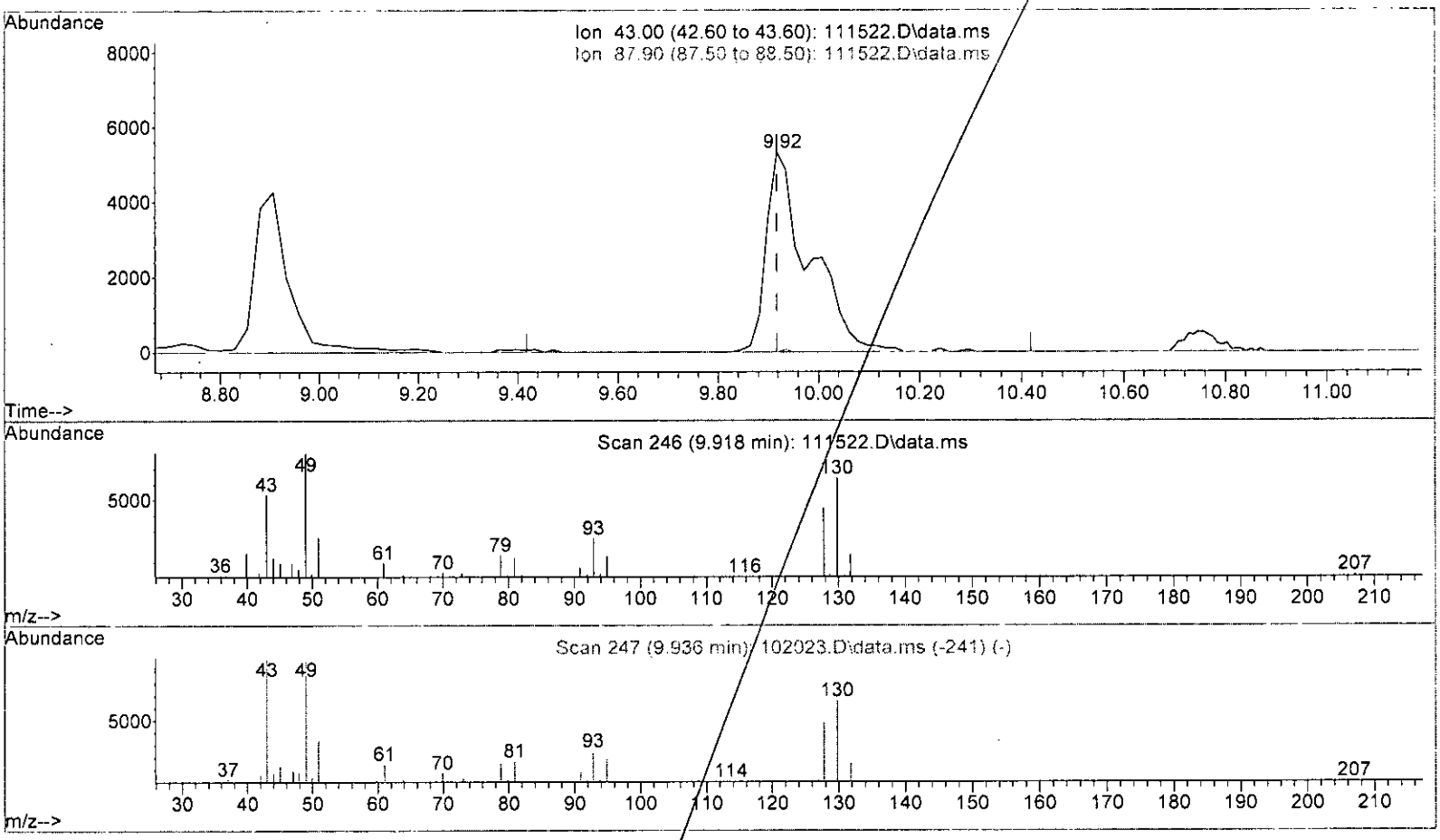
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 0.771 ppbv m
response 18137

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

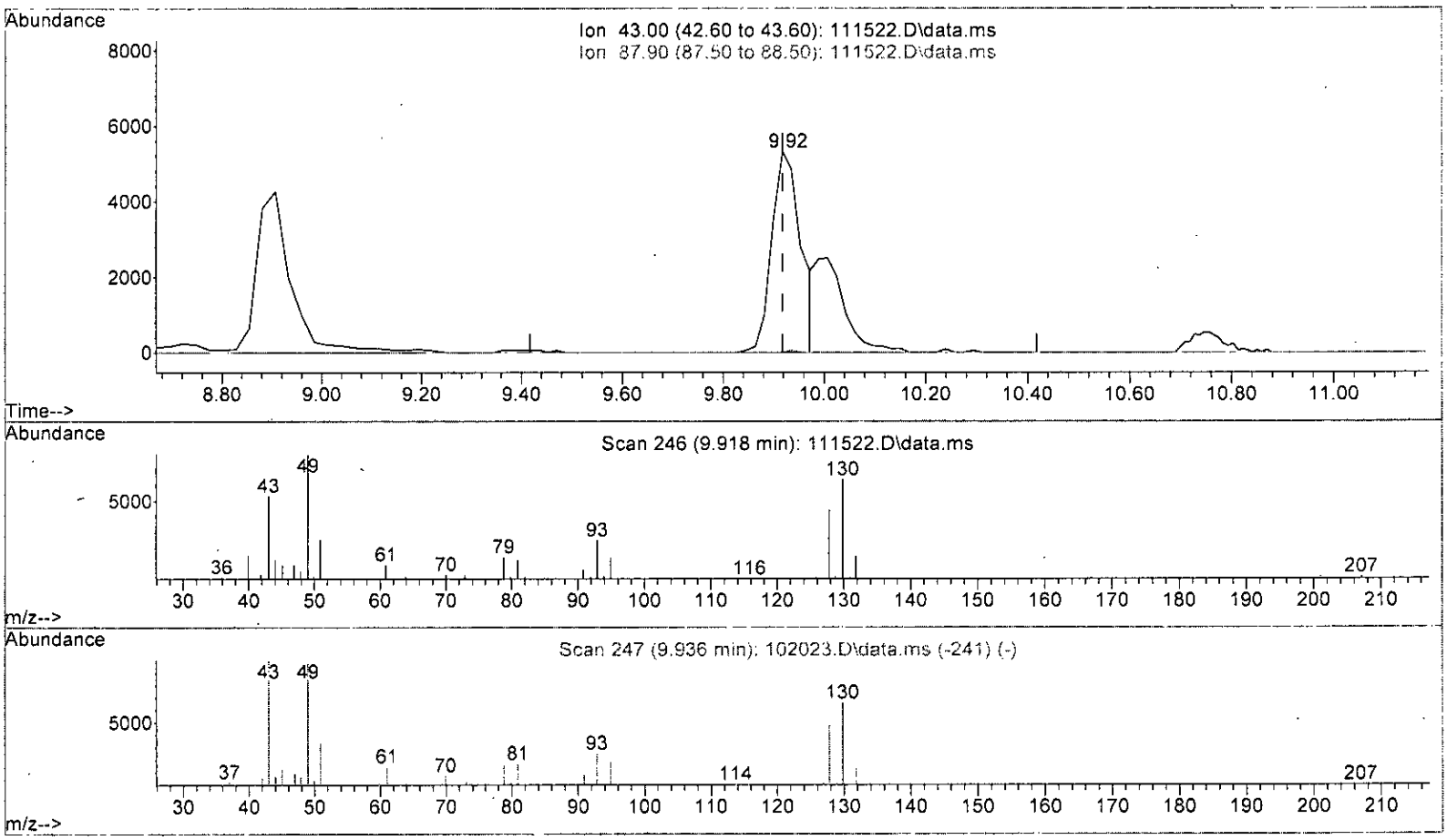
(31) Ethyl acetate (TMP)
9.918min (-0.000) 1.337 ppbv
response 31344

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

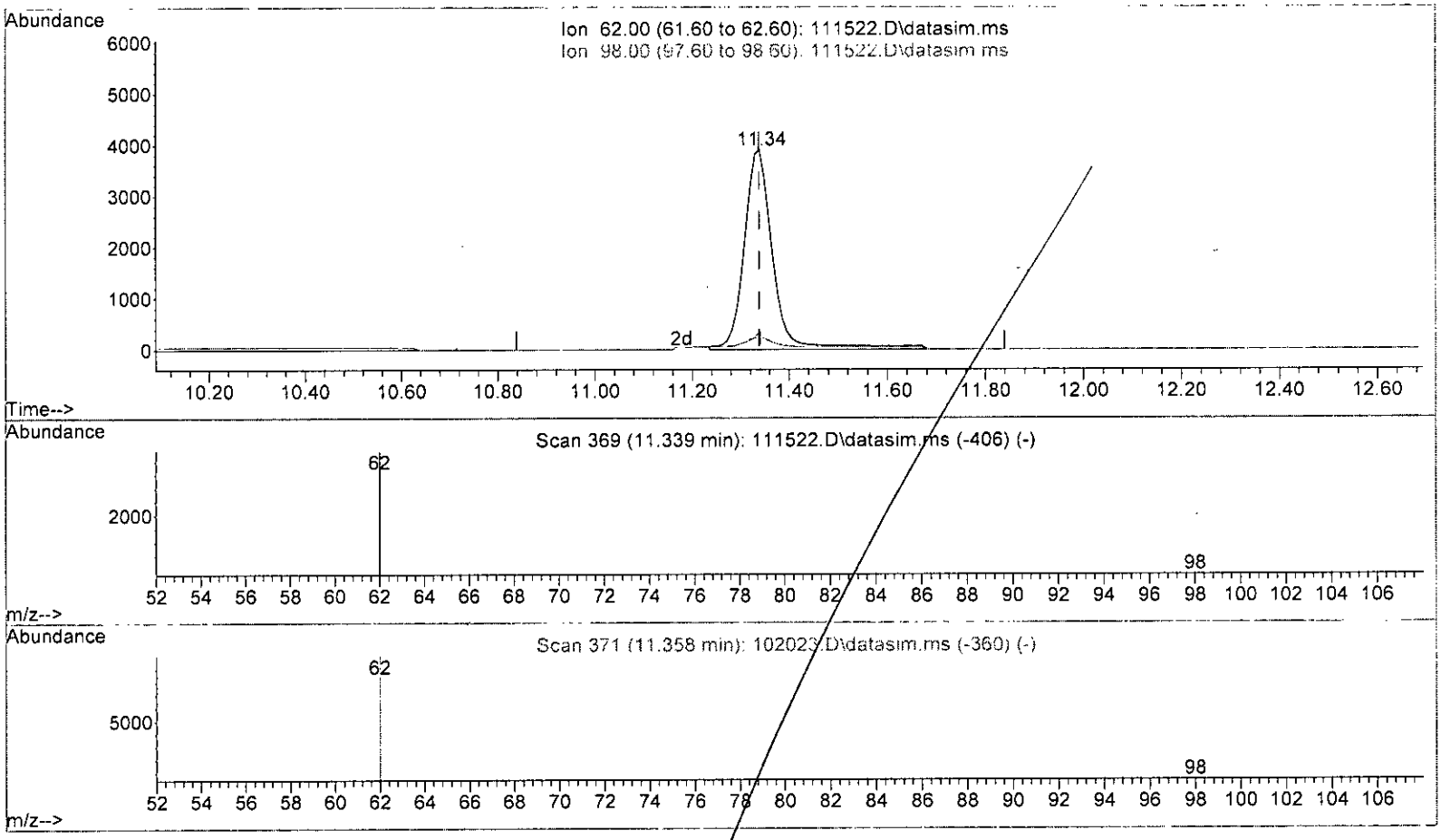
(31) Ethyl acetate (TMP)
9.918min (-0.000) 0.909 ppbv m
response 21319

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 1.011 ppbv

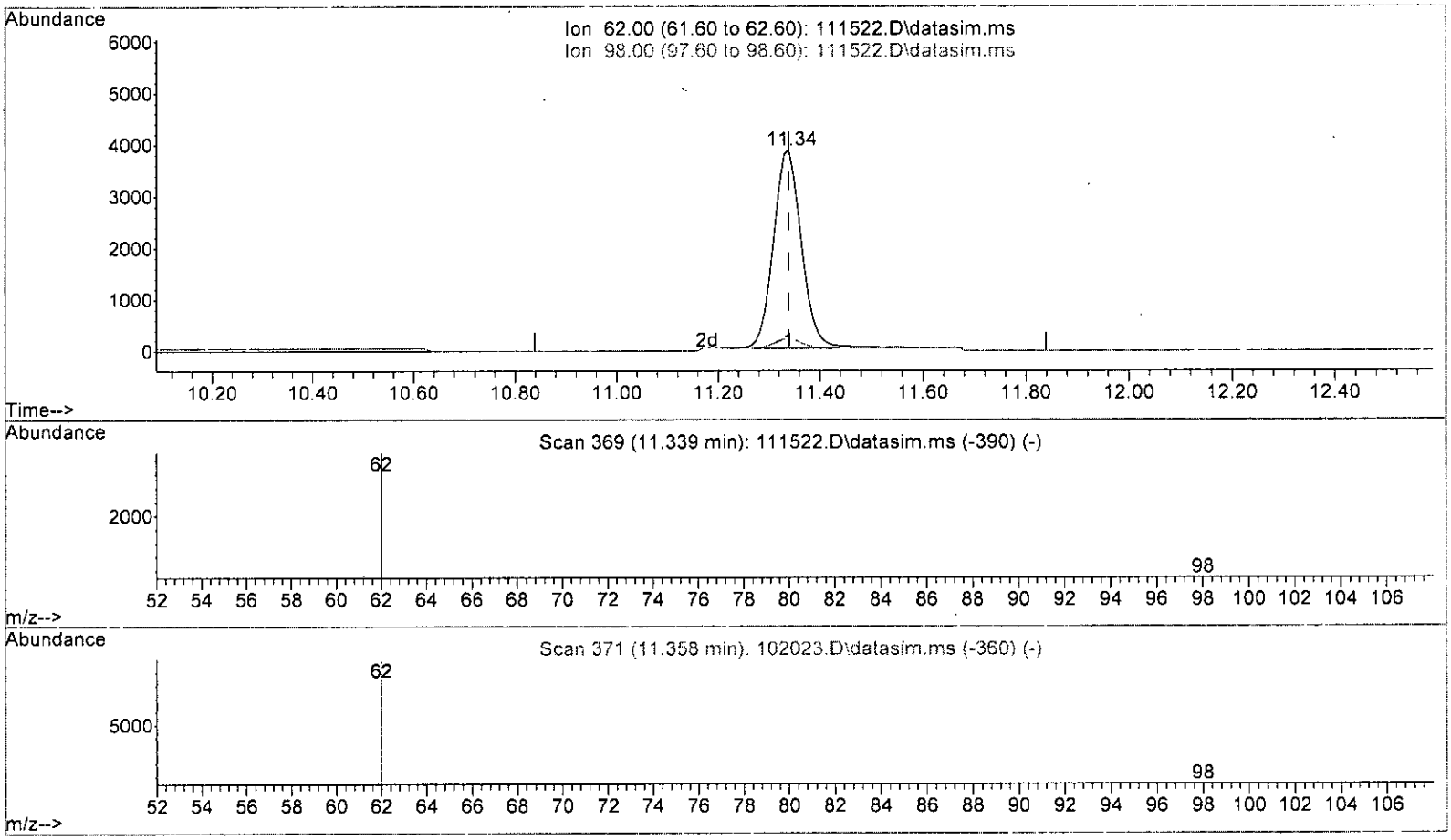
response 16184

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 0.920 ppbv m

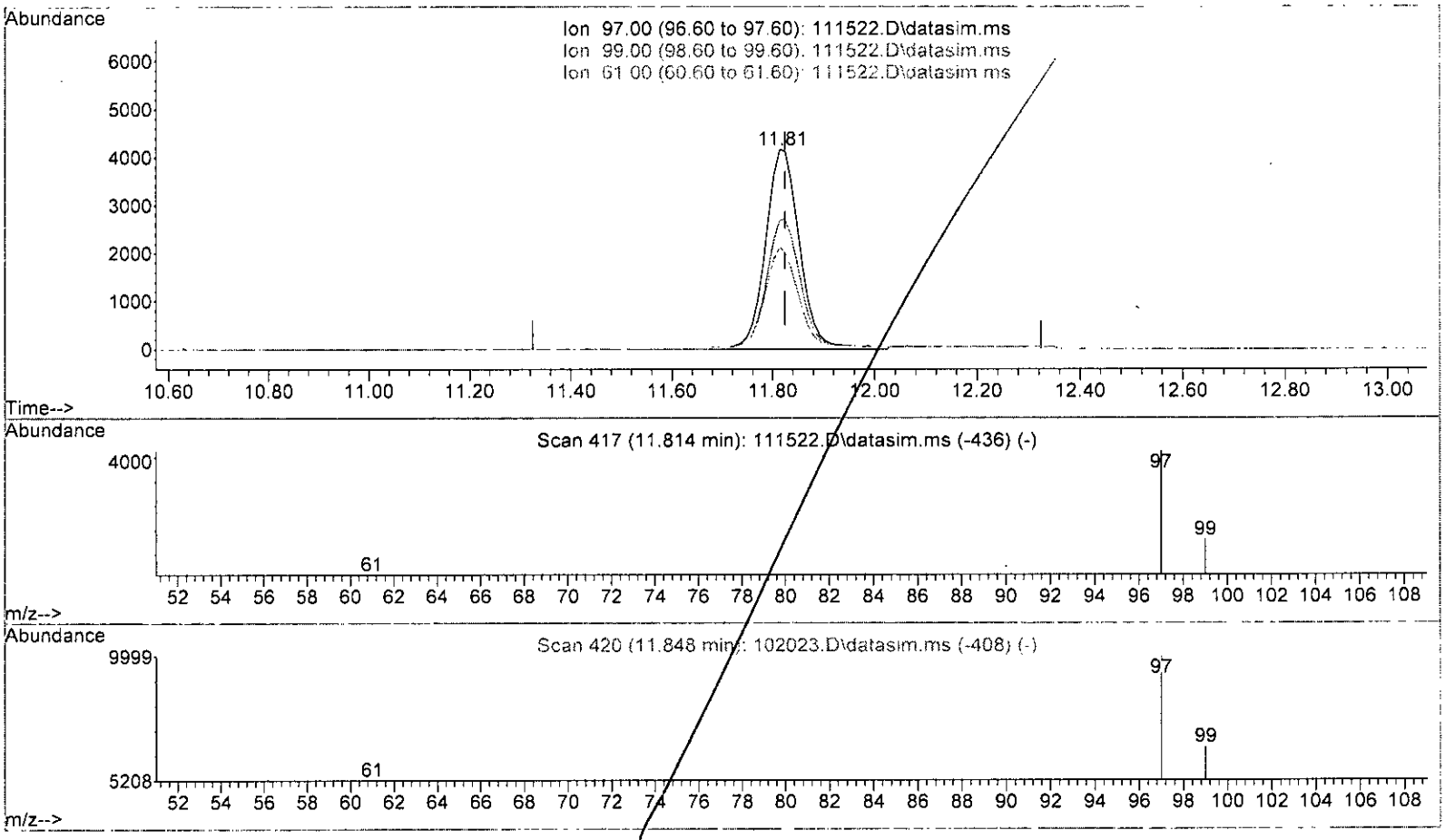
response 14741

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

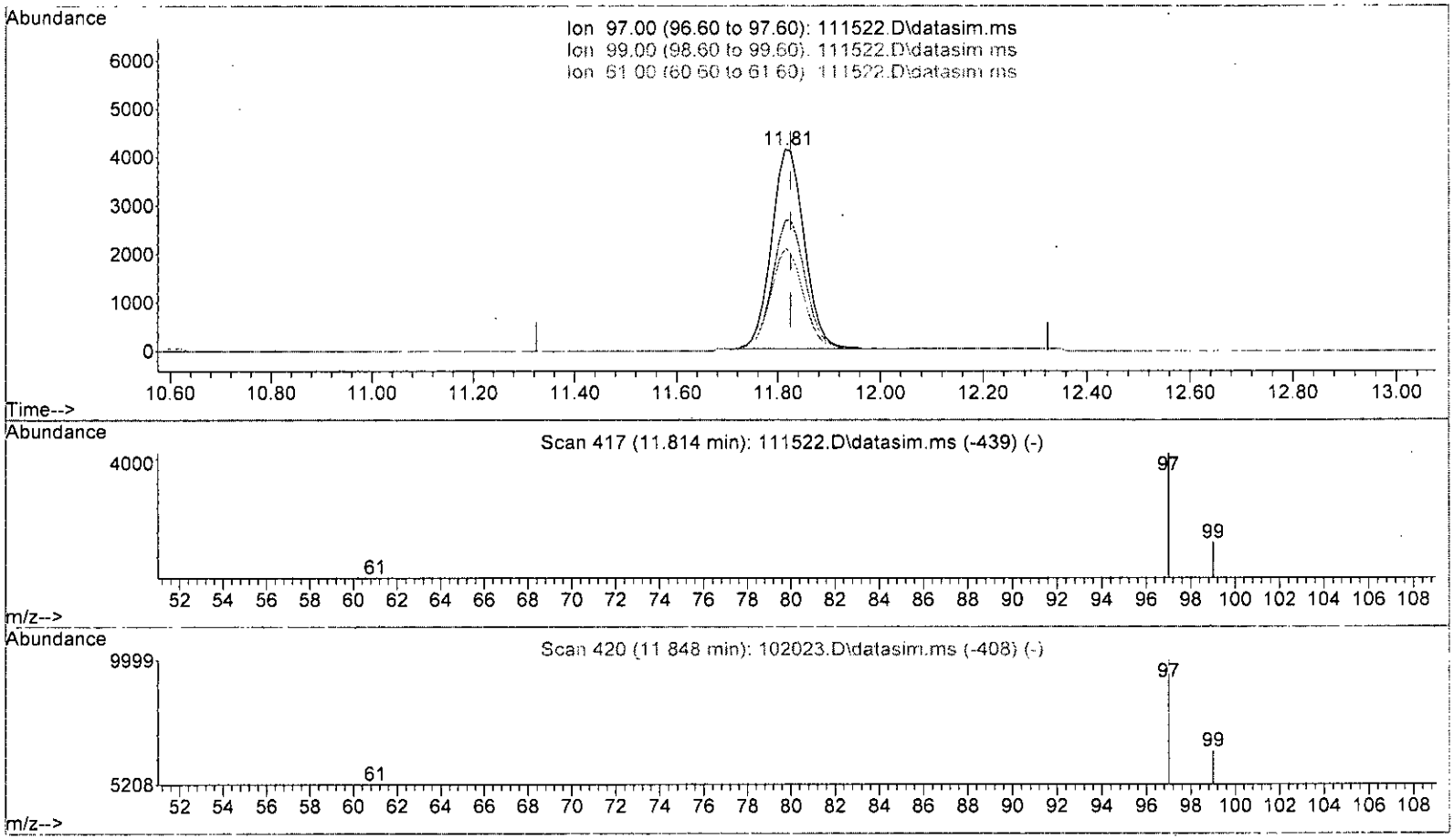
(35) 1,1,1-Trichloroethane (TMP)
11.814min (-0.011) 0.936 ppbv
response 19366

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111522.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.814min (-0.011) 0.897 ppbv m

response 18568

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	51.08
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	61897	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	280612	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	252262	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	173001	9.896	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.00%		
Target Compounds						Qvalue
2) Propene	3.41	41	8476	0.977	ppbv	98
3) Dichlorodifluoromethane	3.49	85	25247	0.989	ppbv	98
4] Chloromethane	3.73	50	12248m	1.051	ppbv	
5) F-114	3.84	85	26770	1.026	ppbv	95
6] Vinyl chloride	4.05	62	10517	0.918	ppbv	100
7] 1,3-Butadiene	4.17	54	6793m	0.903	ppbv	
8) Butane	4.28	43	14646	1.084	ppbv	83
9) Bromomethane	4.60	94	11468	1.003	ppbv	98
10] Chloroethane	4.84	64	4039m	0.997	ppbv	
11] Vinyl bromide	5.28	106	8908m	0.894	ppbv	
12) Ethanol	4.92	45	5034	1.226	ppbv	93
13] Acrolein	5.38	56	4512m	1.000	ppbv	
14) Pentane	6.25	43	14205	0.933	ppbv	91
15) Trichlorofluoromethane	5.82	101	29470	0.996	ppbv	93
16) Acetone	5.53	58	5072	1.153	ppbv #	68
17) 2-Propanol	5.78	45	18341	0.957	ppbv	100
18] 1,1-Dichloroethene	6.63	96	9330	0.916	ppbv	90
19] trans-1,2-Dichloroethene	8.07	96	8953	0.905	ppbv	94
20) Methylene chloride	6.78	84	9604	1.049	ppbv	88
21) t-Butyl alcohol (TBA)	6.57	59	15062	0.912	ppbv #	66
22) 3-Chloropropene	6.94	41	11102	0.872	ppbv	93
23) CFC-113	7.15	101	19415	0.904	ppbv	98
24) Carbon disulfide	7.23	76	28021	0.876	ppbv	95
25) Methyl t-butyl ether (...	8.43	73	20246	0.953	ppbv	100
26) Vinyl acetate	8.54	43	18137m	0.771	ppbv	
27] 1,1-Dichloroethane	8.36	63	18894	0.913	ppbv	99
28] cis-1,2-Dichloroethene	9.62	96	9513	0.909	ppbv	90
29) Hexane	10.01	57	11499	0.898	ppbv	91
30] Chloroform	10.08	83	22481	0.932	ppbv	97
31) Ethyl acetate	9.92	43	21319m	0.909	ppbv	
32) Tetrahydrofuran	10.75	42	10348	0.924	ppbv	99
33) 2-Butanone (MEK)	8.91	72	3944	1.030	ppbv #	82
34] 1,2-Dichloroethane (EDC)	11.34	62	14741m	0.920	ppbv	
35] 1,1,1-Trichloroethane	11.81	97	18568m	0.897	ppbv	
36) Carbon tetrachloride	0.00		0	N.D.	d	
37] Benzene	12.61	78	32378	0.956	ppbv	96
38) Cyclohexane	13.05	84	9050	1.070	ppbv	94
40] 1,2-Dichloropropane	13.80	63	14360	0.945	ppbv	99

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

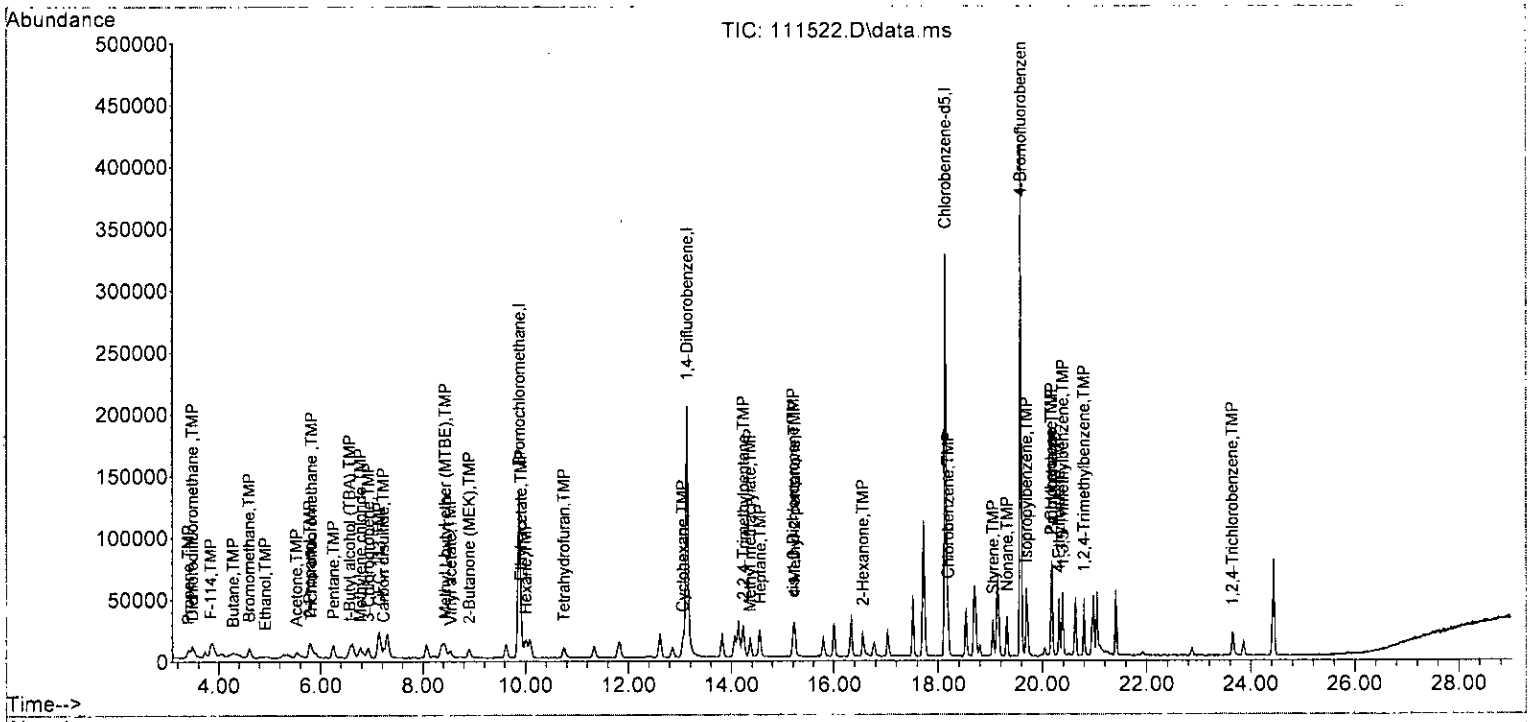
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.09	88	6390	0.989	ppbv	87
42) 2,2,4-Trimethylpentane	14.24	57	41293	0.921	ppbv #	82
43) Methyl methacrylate	14.36	41	13309	0.977	ppbv	97
44) Heptane	14.56	43	17358	0.932	ppbv	98
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.14	95	15584	0.936	ppbv	94
47) cis-1,3-Dichloropropene	15.20	75	15247	0.908	ppbv	94
48) 4-Methyl-2-pentanone	15.23	100	1192	0.960	ppbv #	89
49] trans-1,3-Dichloropropene	15.78	75	13794	0.873	ppbv	83
50] Toluene	16.31	92	20038	1.010	ppbv	97
51] 1,1,2-Trichloroethane	16.00	83	14678	0.998	ppbv	93
52) 2-Hexanone	16.56	43	22201	0.935	ppbv	98
53] Tetrachloroethene	17.52	164	13275	0.966	ppbv	91
54) Dibromochloromethane	0.00		0	N.D.	d	
55] 1,2-Dibromoethane (EDB)	17.04	107	21154	0.976	ppbv	98
57) Chlorobenzene	18.19	112	26451	0.953	ppbv	97
58] Ethylbenzene	18.53	91	41021	0.900	ppbv	96
59] 1,1,2,2-Tetrachloroethane	19.13	83	30649	0.899	ppbv	93
60) Nonane	19.32	43	18435	0.745	ppbv	90
61) Isopropylbenzene	19.70	105	42880	0.949	ppbv	98
62) 2-Chlorotoluene	20.17	126	10476	0.927	ppbv	79
63) Propylbenzene	20.17	91	76426	0.920	ppbv	97
64) 4-Ethyltoluene	20.32	105	32835	0.808	ppbv	99
65] m,p-Xylene	18.70	106	27820	1.742	ppbv	97
66] o-Xylene	19.15	106	13828	0.892	ppbv	99
67) Styrene	19.05	104	17522	0.848	ppbv	99
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.95	91	17786	0.624	ppbv	99
71) 1,3,5-Trimethylbenzene	20.39	105	33183	0.907	ppbv	97
72) 1,2,4-Trimethylbenzene	20.80	105	27377	0.865	ppbv	98
73] 1,3-Dichlorobenzene	20.98	146	23587	0.924	ppbv	99
74] 1,4-Dichlorobenzene	21.05	146	22090	0.925	ppbv	99
75] 1,2-Dichlorobenzene	21.41	146	26013	1.007	ppbv	94
76) 1,2,4-Trichlorobenzene	23.64	180	10416	0.705	ppbv	91
77] Naphthalene	23.84	128	16683	0.935	ppbv	98
78] Hexachlorobutadiene	24.44	225	24044	0.912	ppbv	100

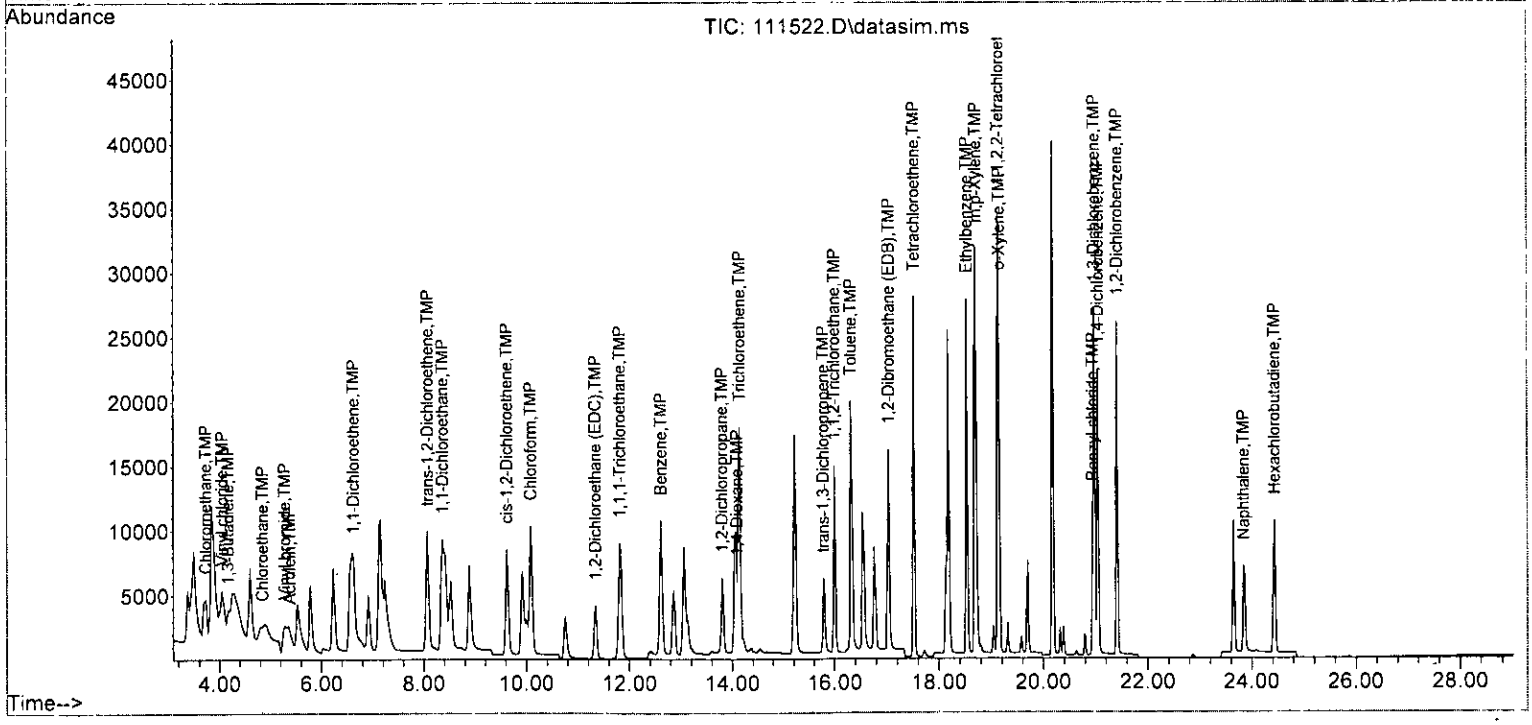
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	1.000	0.977	2.3	100	0.00
3	TMP	Dichlorodifluoromethane	1.000	0.989	1.1	100	0.00
4	TMP	Chloromethane	1.000	1.051	-5.1	102	0.00
5	TMP	F-114	1.000	1.026	-2.6	107	-0.04
6	TMP	Vinyl chloride	1.000	0.918	8.2	100	-0.04
7	TMP	1,3-Butadiene	1.000	0.903	9.7	103	-0.12
8	TMP	Butane	1.000	1.084	-8.4	105	-0.04
9	TMP	Bromomethane	1.000	1.003	-0.3	100	0.00
10	TMP	Chloroethane	1.000	0.997	0.3	102	0.00
11	TMP	Vinyl bromide	1.000	0.894	10.6	97	-0.04
12	TMP	Ethanol	1.000	1.226	-22.6	100	-0.04
13	TMP	Acrolein	1.000	1.000	0.0	101	-0.04
14	TMP	Pentane	1.000	0.933	6.7	100	0.00
15	TMP	Trichlorofluoromethane	1.000	0.996	0.4	100	-0.02
16	TMP	Acetone	1.000	1.153	-15.3	100	-0.04
17	TMP	2-Propanol	1.000	0.957	4.3	100	0.00
18	TMP	1,1-Dichloroethene	1.000	0.916	8.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.000	0.905	9.5	100	-0.03
20	TMP	Methylene chloride	1.000	1.049	-4.9	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	1.000	0.912	8.8	100	0.00
22	TMP	3-Chloropropene	1.000	0.872	12.8	100	0.00
23	TMP	CFC-113	1.000	0.904	9.6	100	0.00
24	TMP	Carbon disulfide	1.000	0.876	12.4	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	1.000	0.953	4.7	100	0.00
26	TMP	Vinyl acetate	1.000	0.771	22.9	100	0.00
27	TMP	1,1-Dichloroethane	1.000	0.913	8.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.000	0.909	9.1	100	-0.02
29	TMP	Hexane	1.000	0.898	10.2	100	0.00
30	TMP	Chloroform	1.000	0.932	6.8	100	-0.02
31	TMP	Ethyl acetate	1.000	0.909	9.1	100	0.00
32	TMP	Tetrahydrofuran	1.000	0.924	7.6	100	0.00
33	TMP	2-Butanone (MEK)	1.000	1.030	-3.0	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	1.000	0.920	8.0	101	0.00
35	TMP	1,1,1-Trichloroethane	1.000	0.897	10.3	100	-0.01
36	TMP	Carbon tetrachloride	1.000	0.000	100.0#	0	-12.86#
37	TMP	Benzene	1.000	0.956	4.4	100	0.00
38	TMP	Cyclohexane	1.000	1.070	-7.0	100	-0.02
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	1.000	0.945	5.5	100	0.00
41	TMP	1,4-Dioxane	1.000	0.989	1.1	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.000	0.921	7.9	100	0.00
43	TMP	Methyl methacrylate	1.000	0.977	2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	1.000	0.932	6.8	100	0.00
45	TMP	Bromodichloromethane	1.000	0.000	100.0#	0	-14.04#
46	TMP	Trichloroethene	1.000	0.936	6.4	100	0.00
47	TMP	cis-1,3-Dichloropropene	1.000	0.908	9.2	100	0.00
48	TMP	4-Methyl-2-pentanone	1.000	0.960	4.0	100	0.00
49	TMP	trans-1,3-Dichloropropene	1.000	0.873	12.7	100	0.00
50	TMP	Toluene	1.000	1.010	-1.0	107	0.00
51	TMP	1,1,2-Trichloroethane	1.000	0.998	0.2	109	0.00
52	TMP	2-Hexanone	1.000	0.935	6.5	100	0.00
53	TMP	Tetrachloroethene	1.000	0.966	3.4	100	0.00
54	TMP	Dibromochloromethane	1.000	0.000	100.0#	0	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	1.000	0.976	2.4	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.000	0.953	4.7	100	0.00
58	TMP	Ethylbenzene	1.000	0.900	10.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.000	0.899	10.1	100	0.00
60	TMP	Nonane	1.000	0.745	25.5	100	0.02
61	TMP	Isopropylbenzene	1.000	0.949	5.1	100	0.00
62	TMP	2-Chlorotoluene	1.000	0.927	7.3	100	0.00
63	TMP	Propylbenzene	1.000	0.920	8.0	100	-0.01
64	TMP	4-Ethyltoluene	1.000	0.808	19.2	100	0.00
65	TMP	m,p-Xylene	2.000	1.742	12.9	100	0.00
66	TMP	o-Xylene	1.000	0.892	10.8	100	0.00
67	TMP	Styrene	1.000	0.848	15.2	100	0.00
68	TMP	Bromoform	1.000	0.000	100.0#	0	-18.80#
69	S	4-Bromofluorobenzene	10.000	9.896	1.0	100	0.00
70	TMP	Benzyl chloride	1.000	0.624	37.6#	103	0.00
71	TMP	1,3,5-Trimethylbenzene	1.000	0.907	9.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.000	0.865	13.5	100	0.00
73	TMP	1,3-Dichlorobenzene	1.000	0.924	7.6	100	0.00
74	TMP	1,4-Dichlorobenzene	1.000	0.925	7.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.000	1.007	-0.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	1.000	0.705	29.5	100	0.00
77	TMP	Naphthalene	1.000	0.935	6.5	100	0.00
78	TMP	Hexachlorobutadiene	1.000	0.912	8.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.369	12.0	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.079	1.1	100	0.00
4	TMP	Chloromethane	1.882	1.979	-5.2	102	0.00
5	TMP	F-114	4.217	4.325	-2.6	107	-0.04
6	TMP	Vinyl chloride	1.851	1.699	8.2	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.097	9.8	103	-0.12
8	TMP	Butane	2.183	2.366	-8.4	105	-0.04
9	TMP	Bromomethane	1.847	1.853	-0.3	100	0.00
10	TMP	Chloroethane	0.655	0.653	0.3	102	0.00
11	TMP	Vinyl bromide	1.609	1.439	10.6	97	-0.04
12	TMP	Ethanol	0.663	0.813	-22.6	100	-0.04
13	TMP	Acrolein	0.729	0.729	0.0	101	-0.04
14	TMP	Pentane	2.461	2.295	6.7	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.761	0.4	100	-0.02
16	TMP	Acetone	0.710	0.819	-15.4	100	-0.04
17	TMP	2-Propanol	3.096	2.963	4.3	100	0.00
18	TMP	1,1-Dichloroethene	1.645	1.507	8.4	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.446	9.5	100	-0.03
20	TMP	Methylene chloride	1.479	1.552	-4.9	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.668	2.433	8.8	100	0.00
22	TMP	3-Chloropropene	2.056	1.794	12.7	100	0.00
23	TMP	CFC-113	3.469	3.137	9.6	100	0.00
24	TMP	Carbon disulfide	5.167	4.527	12.4	100	-0.05
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.271	4.7	100	0.00
26	TMP	Vinyl acetate	3.801	2.930	22.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.052	8.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.537	9.1	100	-0.02
29	TMP	Hexane	2.068	1.858	10.2	100	0.00
30	TMP	Chloroform	4.060	3.632	10.5	100	-0.02
31	TMP	Ethyl acetate	3.789	3.444	9.1	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.672	7.6	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.637	-2.9	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.382	11.4	101	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.000	10.3	100	-0.01
36	TMP	Carbon tetrachloride	3.523	0.000#	100.0#	0#	-12.86#
37	TMP	Benzene	5.688	5.231	8.0	100	0.00
38	TMP	Cyclohexane	1.367	1.462	-6.9	100	-0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.512	5.4	100	0.00
41	TMP	1,4-Dioxane	0.230	0.228	0.9	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.472	7.9	100	0.00
43	TMP	Methyl methacrylate	0.485	0.474	2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111522.D
Acq On : 16 Nov 2022 7:51 am
Operator : bat
Sample : 1.0 ppbv 67-196B
Misc : T6, 250cc of 1ppbv
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:46:00 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

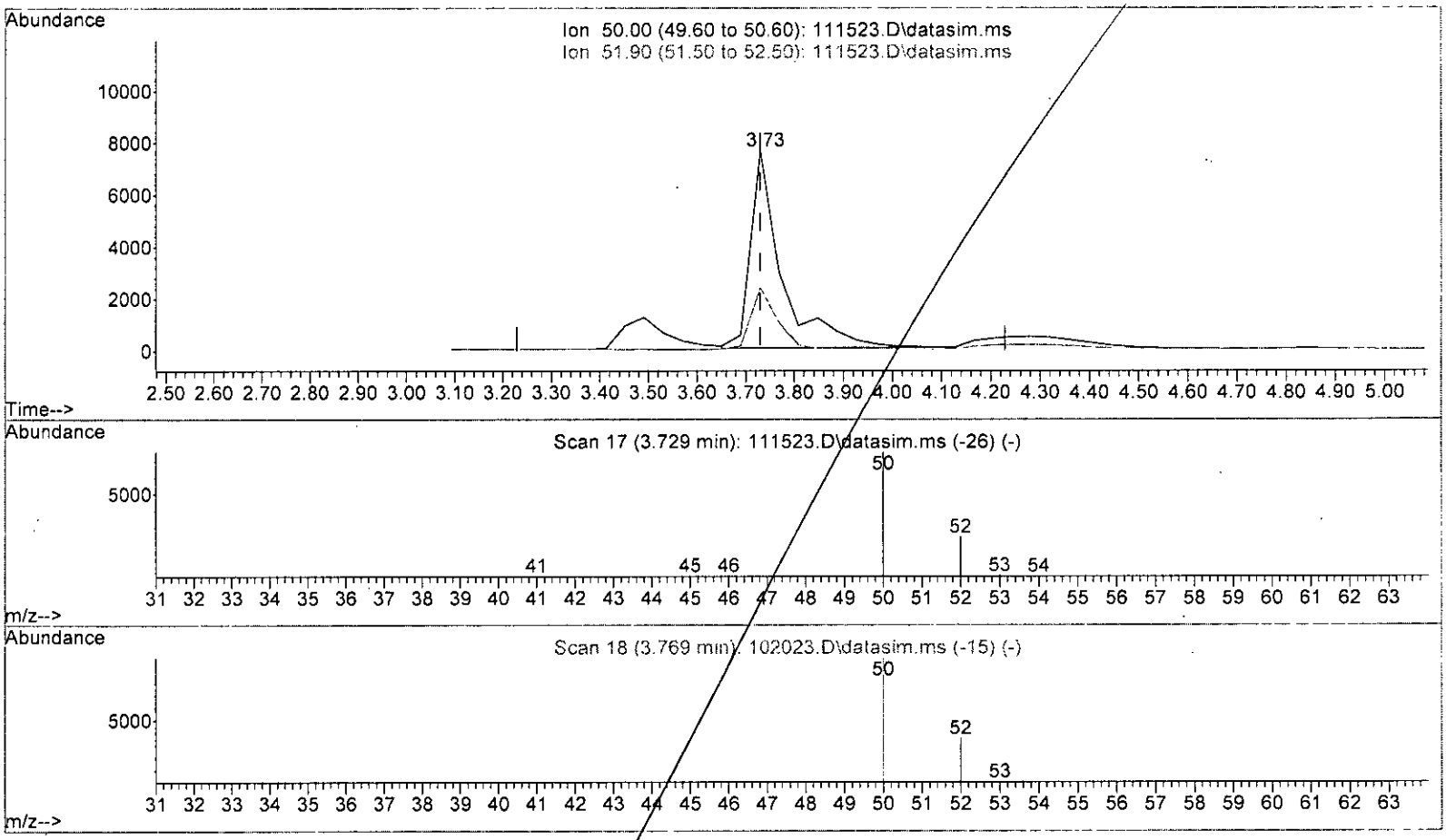
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.619	6.6	100	0.00
45	TMP	Bromodichloromethane	0.850	0.000#	100.0#	0#	-14.04#
46	TMP	Trichloroethene	0.593	0.555	6.4	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.543	9.3	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.042	4.5	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.492	12.6	100	0.00
50	TMP	Toluene	0.707	0.714	-1.0	107	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.523	4.9	109	0.00
52	TMP	2-Hexanone	0.846	0.791	6.5	100	0.00
53	TMP	Tetrachloroethene	0.490	0.473	3.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.000	100.0#	0#	-16.76#
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.754	8.5	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.049	4.7	100	0.00
58	TMP	Ethylbenzene	1.968	1.626	17.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.215	12.8	100	0.00
60	TMP	Nonane	0.981	0.731	25.5	100	0.02
61	TMP	Isopropylbenzene	1.792	1.700	5.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.415	7.4	100	0.00
63	TMP	Propylbenzene	3.292	3.030	8.0	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.302	19.2	100	0.00
65	TMP	m,p-Xylene	0.633	0.551	13.0	100	0.00
66	TMP	o-Xylene	0.615	0.548	10.9	100	0.00
67	TMP	Styrene	0.819	0.695	15.1	100	0.00
68	TMP	Bromoform	1.028	0.000#	100.0#	0#	-18.80#
69	S	4-Bromofluorobenzene	0.693	0.686	1.0	100	0.00
70	TMP	Benzyl chloride	0.987	0.705	28.6	103	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.315	9.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.085	13.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	0.935	7.6	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.876	7.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.031	-0.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.413	34.0#	100	0.00
77	TMP	Naphthalene	1.132	0.661	41.6#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.953	8.8	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

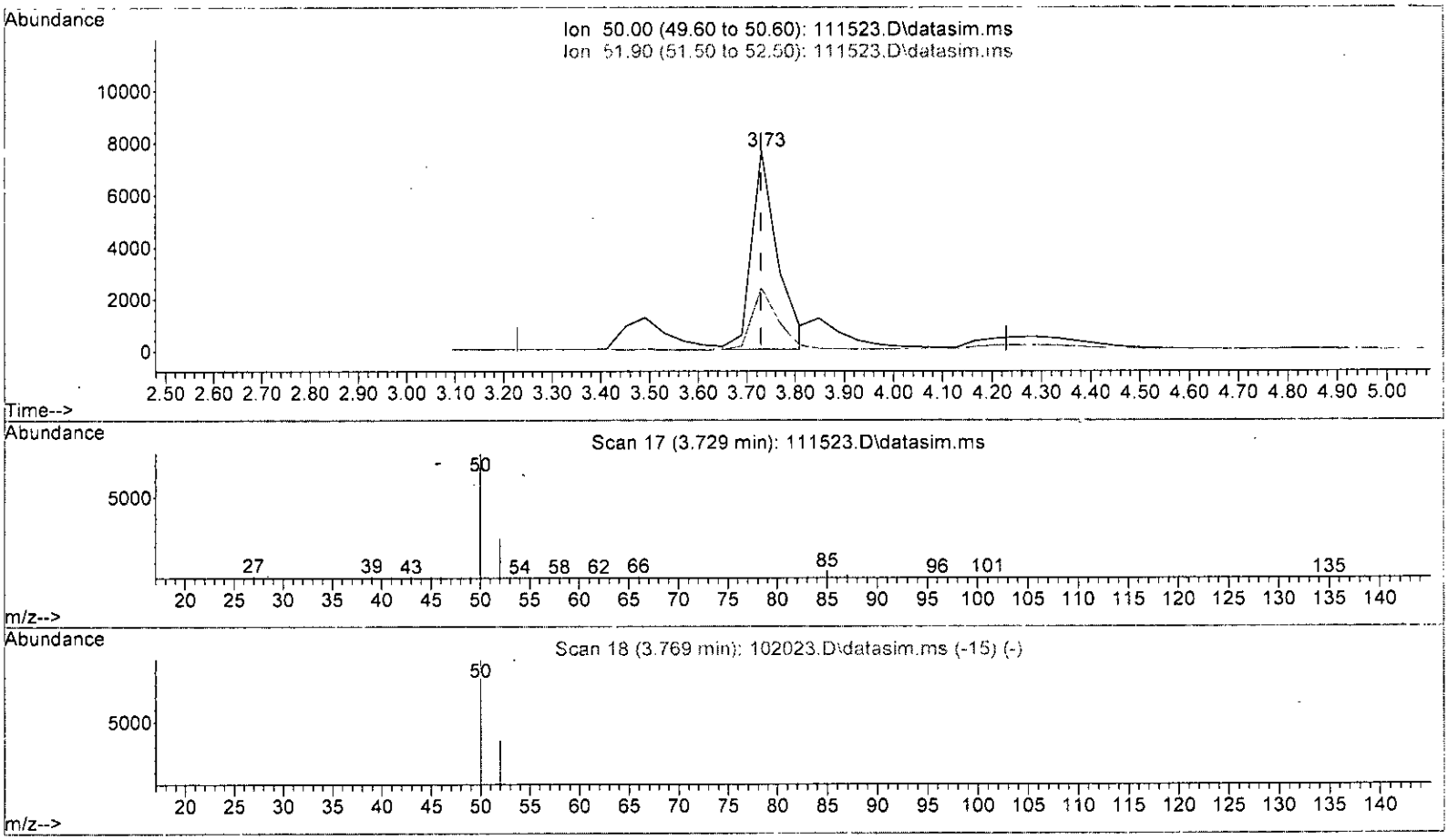
(4) Chloromethane (TMP)
3.729min (+ 0.000) 2.974 ppbv
response 33620

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.536 ppbv m

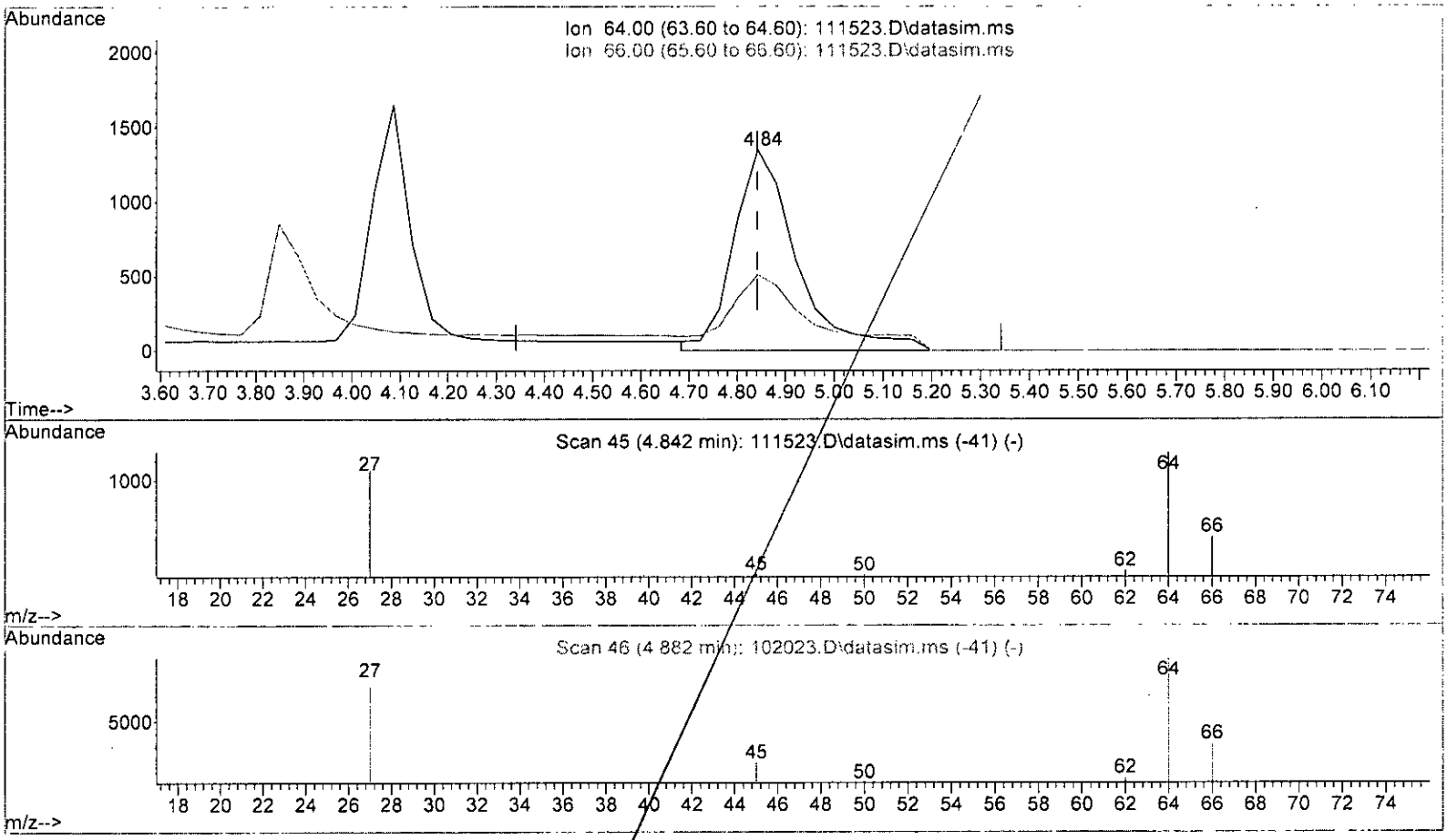
response 28666

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

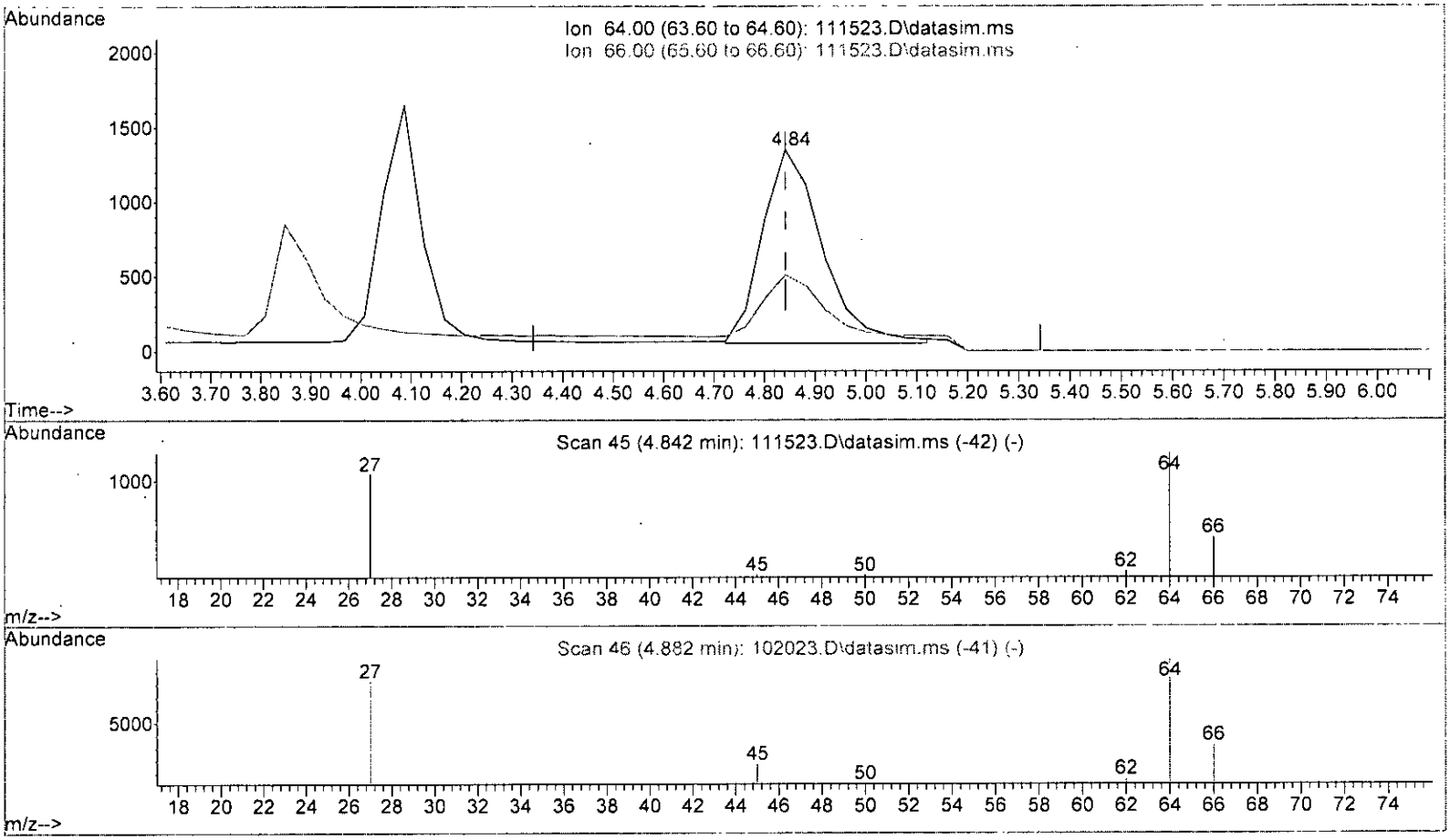
(10) Chloroethane (TMP)
4.842min (+ 0.000) 2.981 ppbv
response 11716

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 2.701 ppbv m

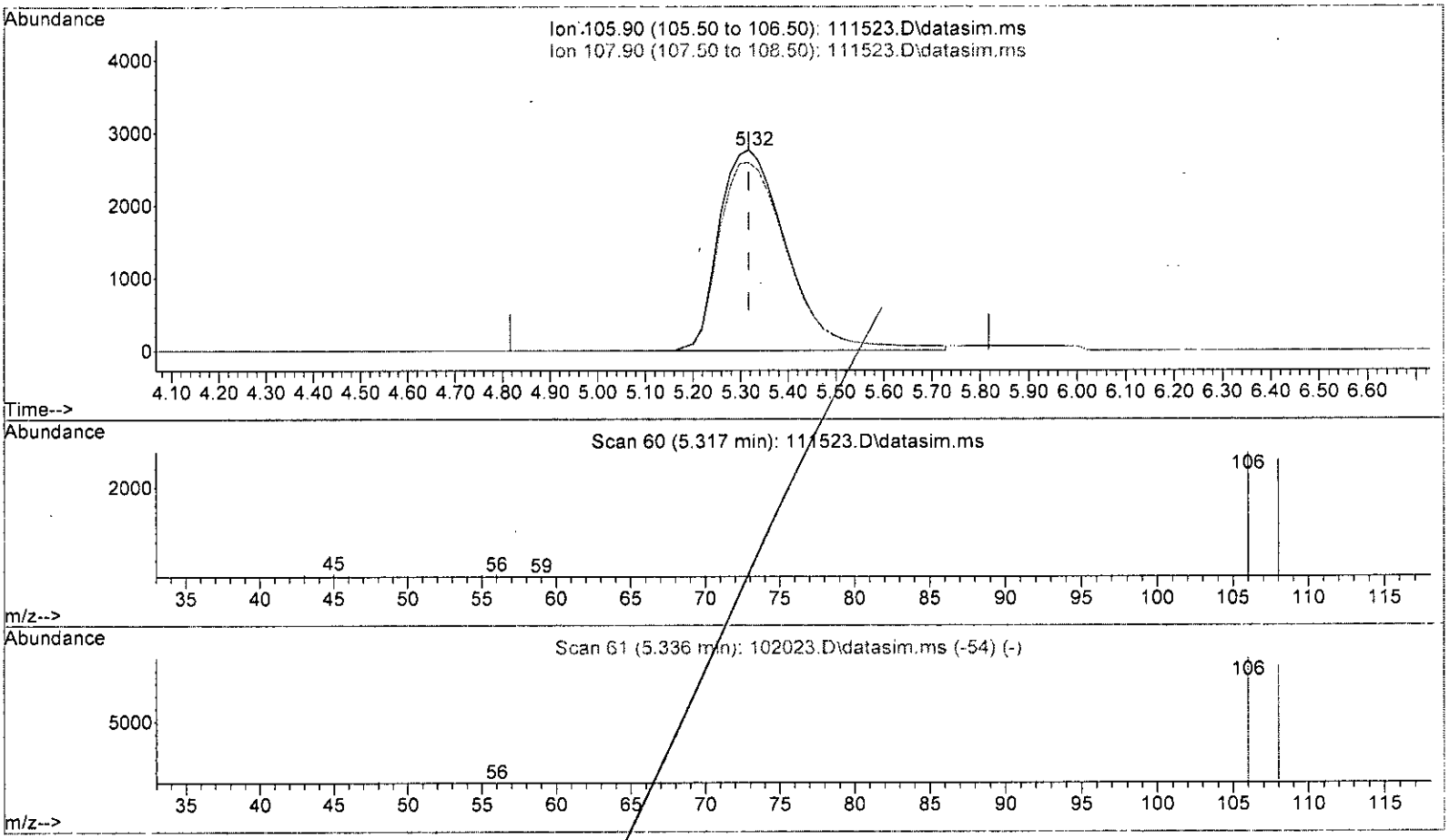
response 10615

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

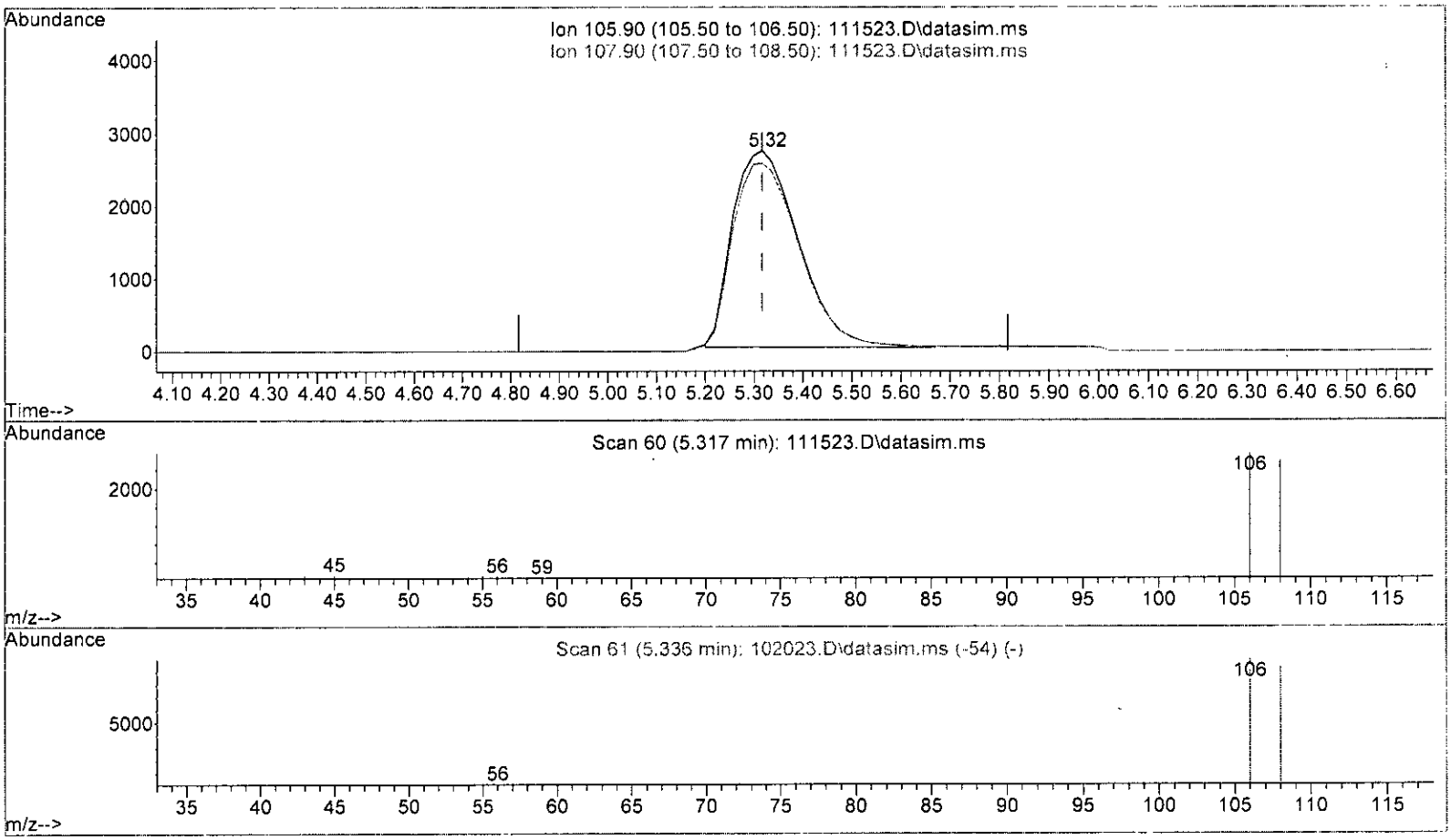
(11) Vinyl bromide (TMP)
5.317min (+ 0.000) 3.023 ppbv
response 29213

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (+ 0.000) 2.623 ppbv m

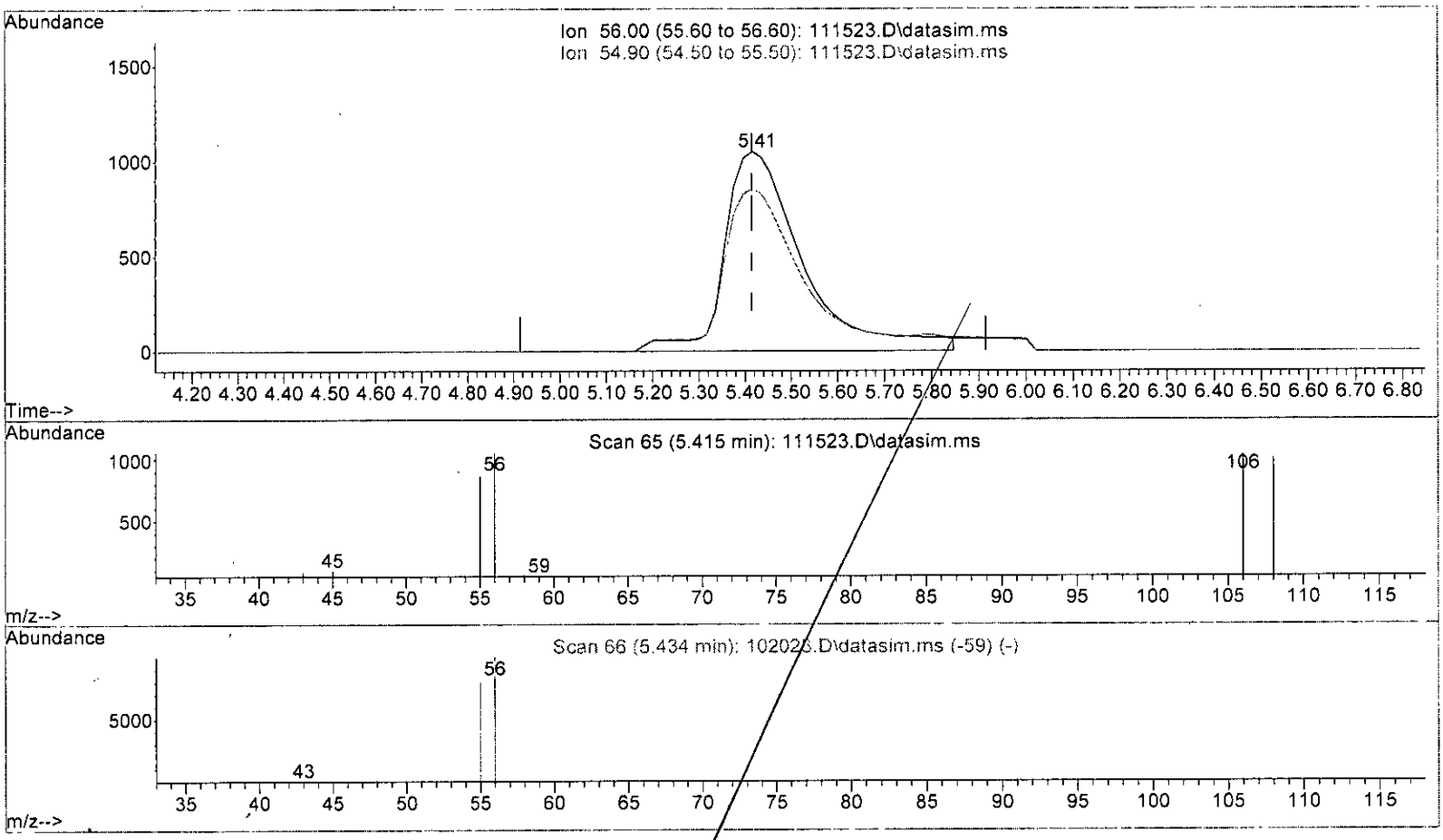
response 25352

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	109.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.973 ppbv

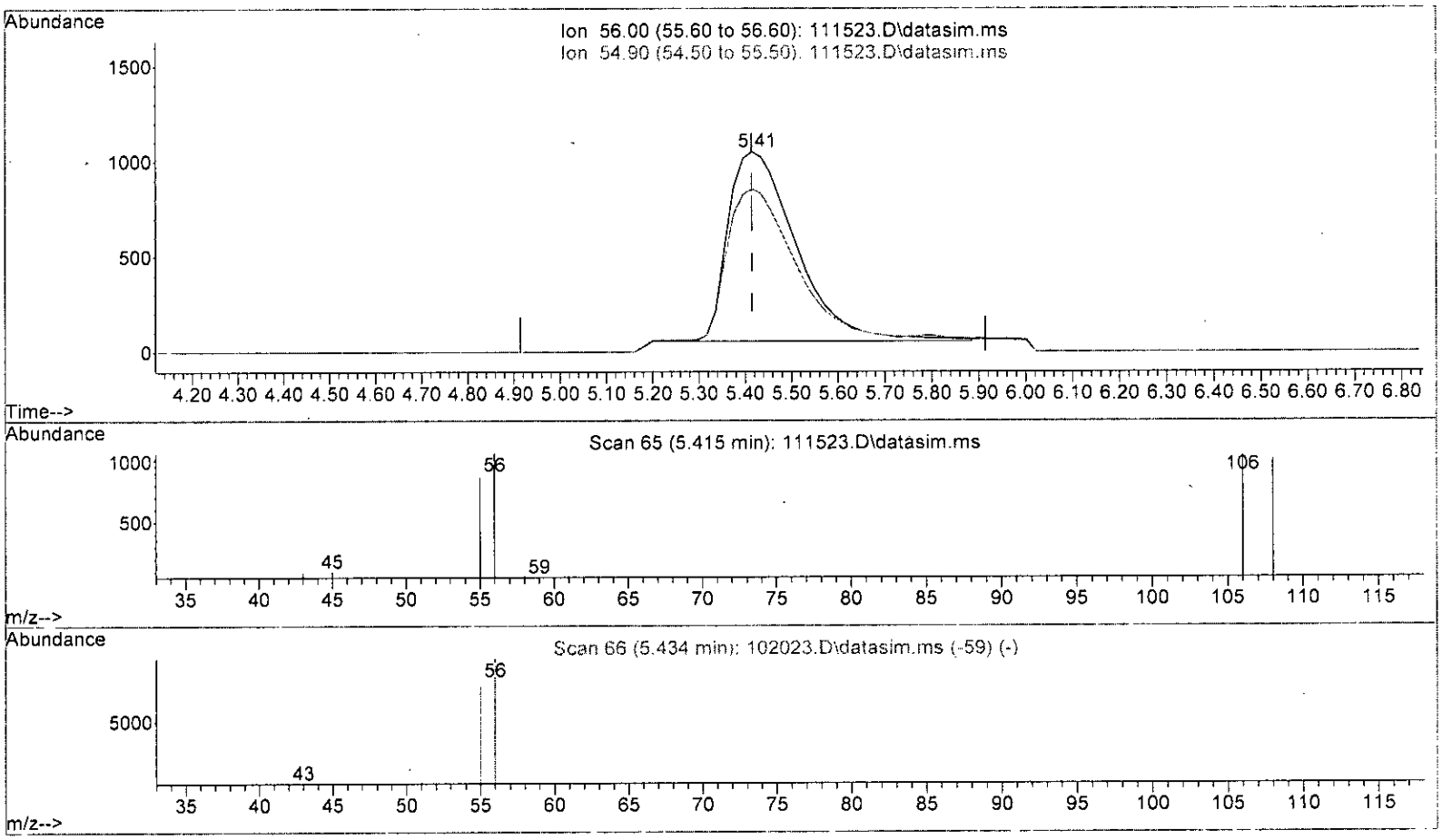
response 13014

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.310 ppbv m

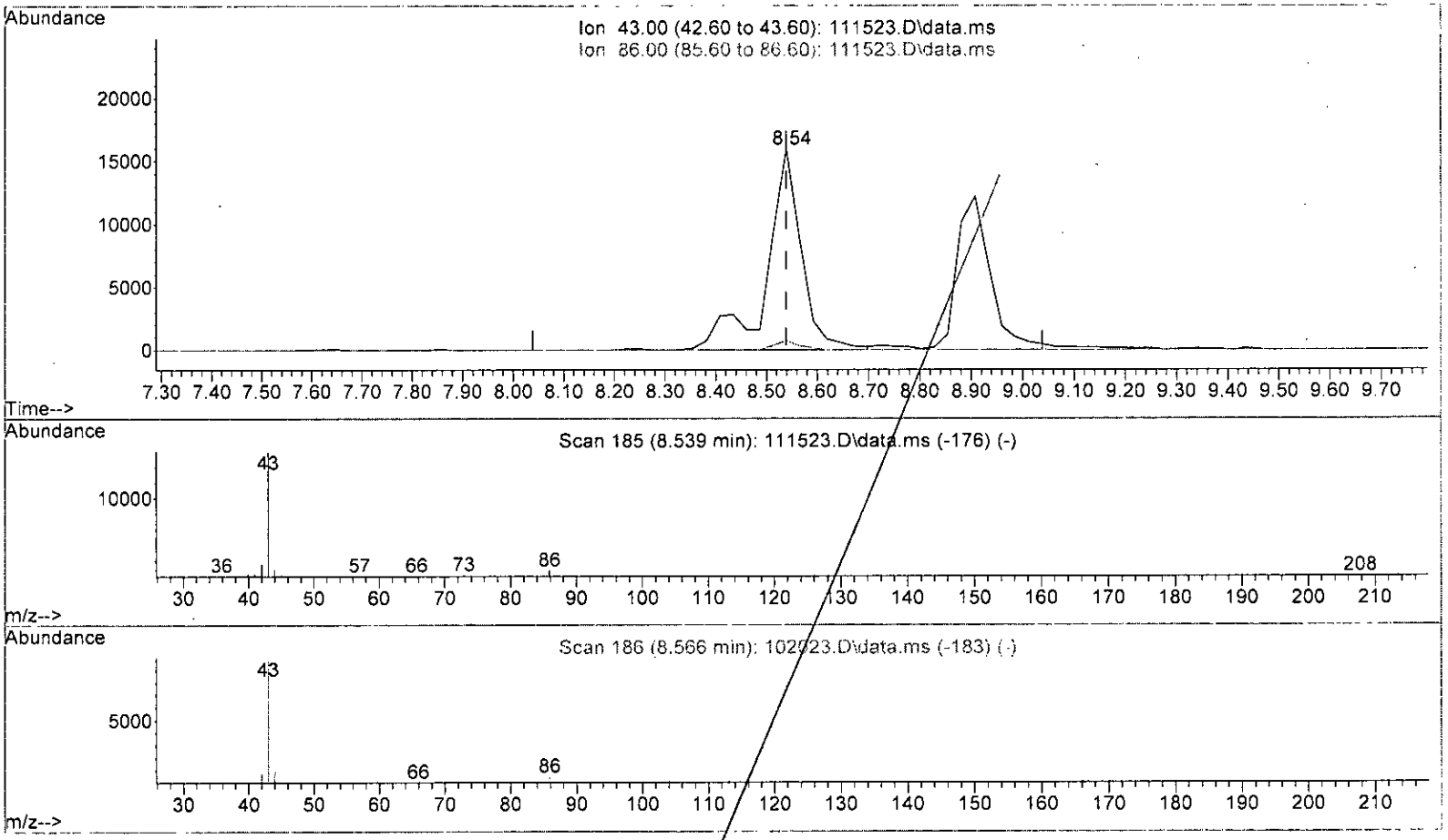
response 10114

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	106.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

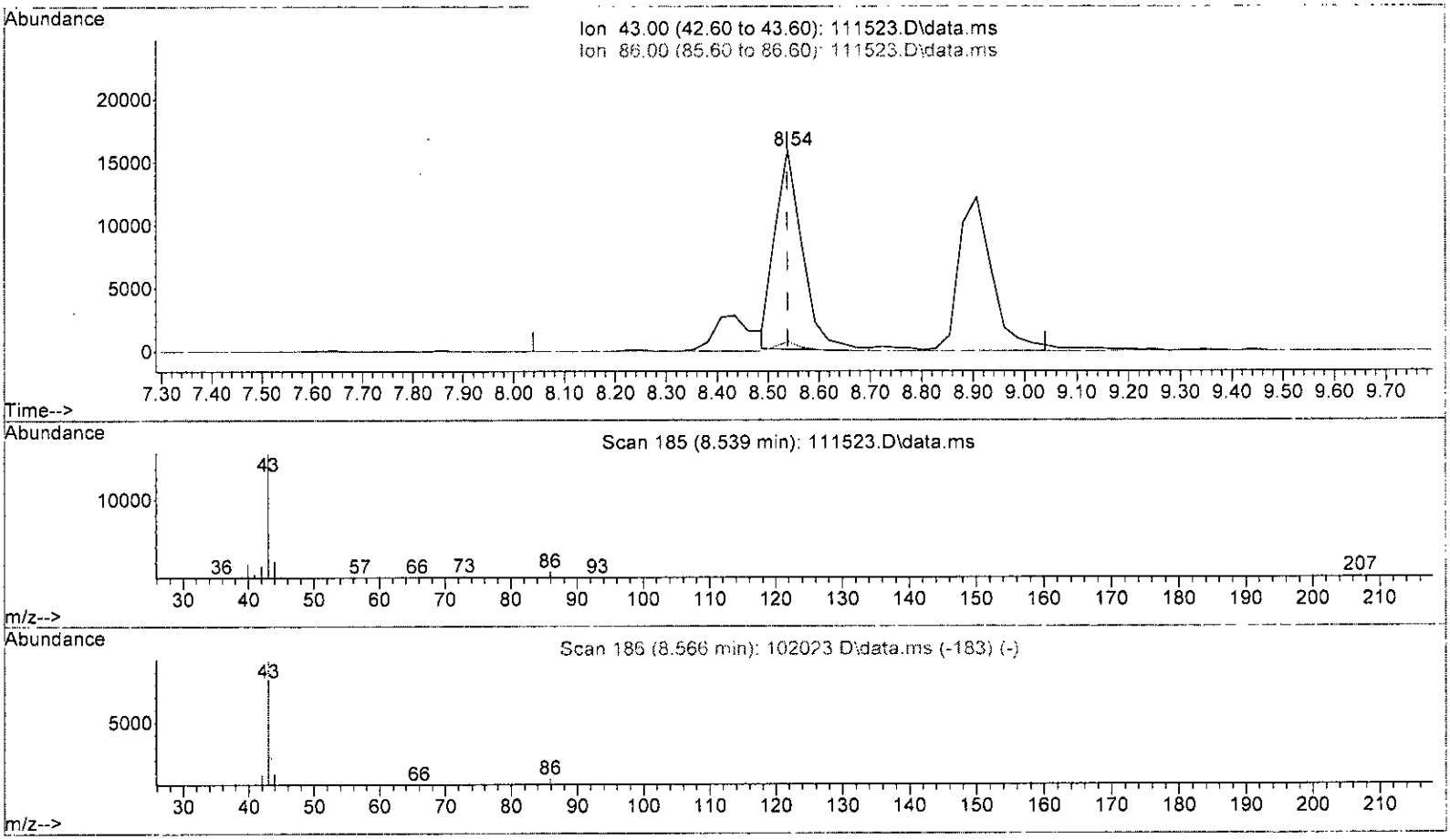
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.292 ppbv
response 75158

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

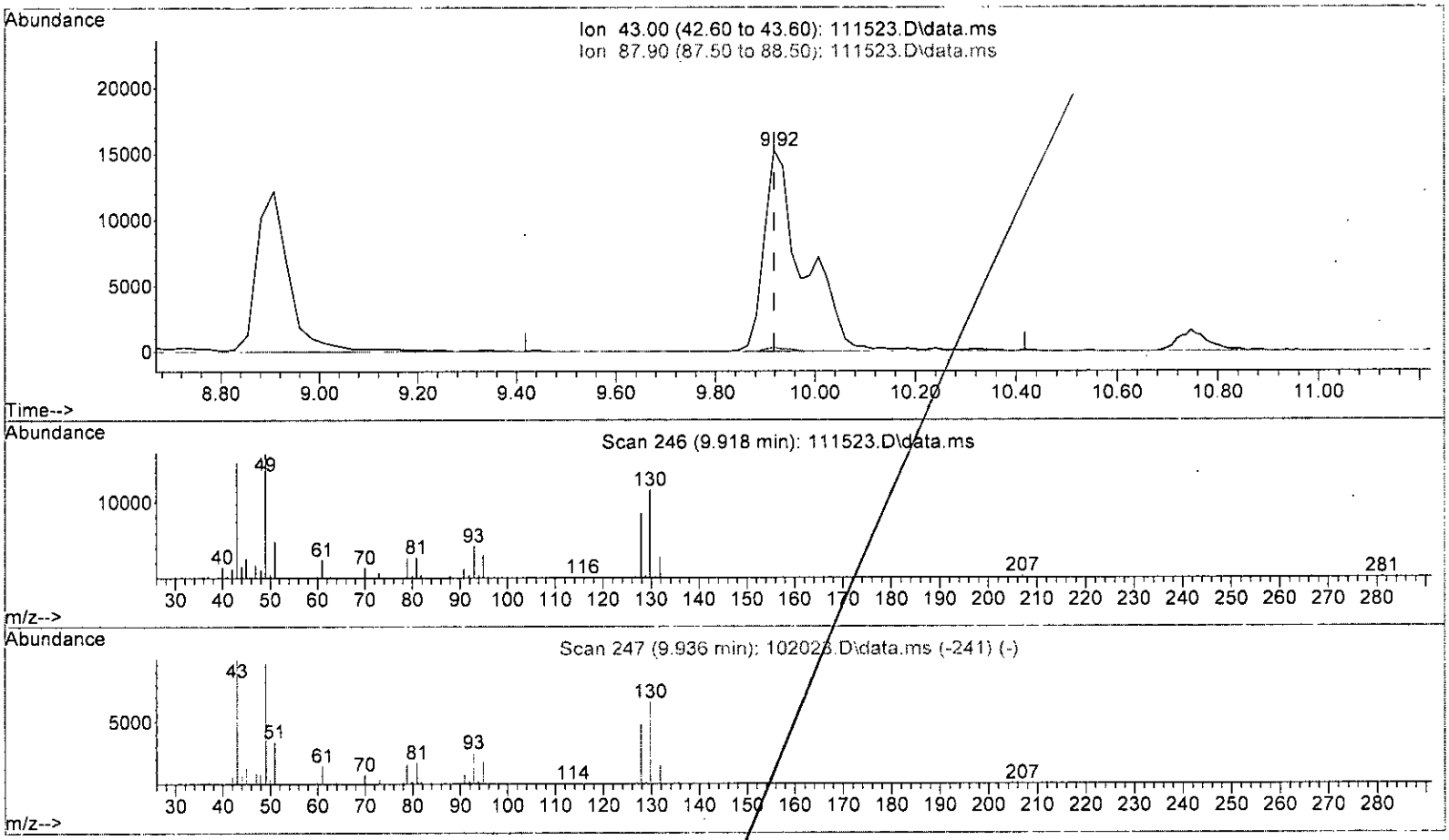
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.584 ppbv m
response 58983

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

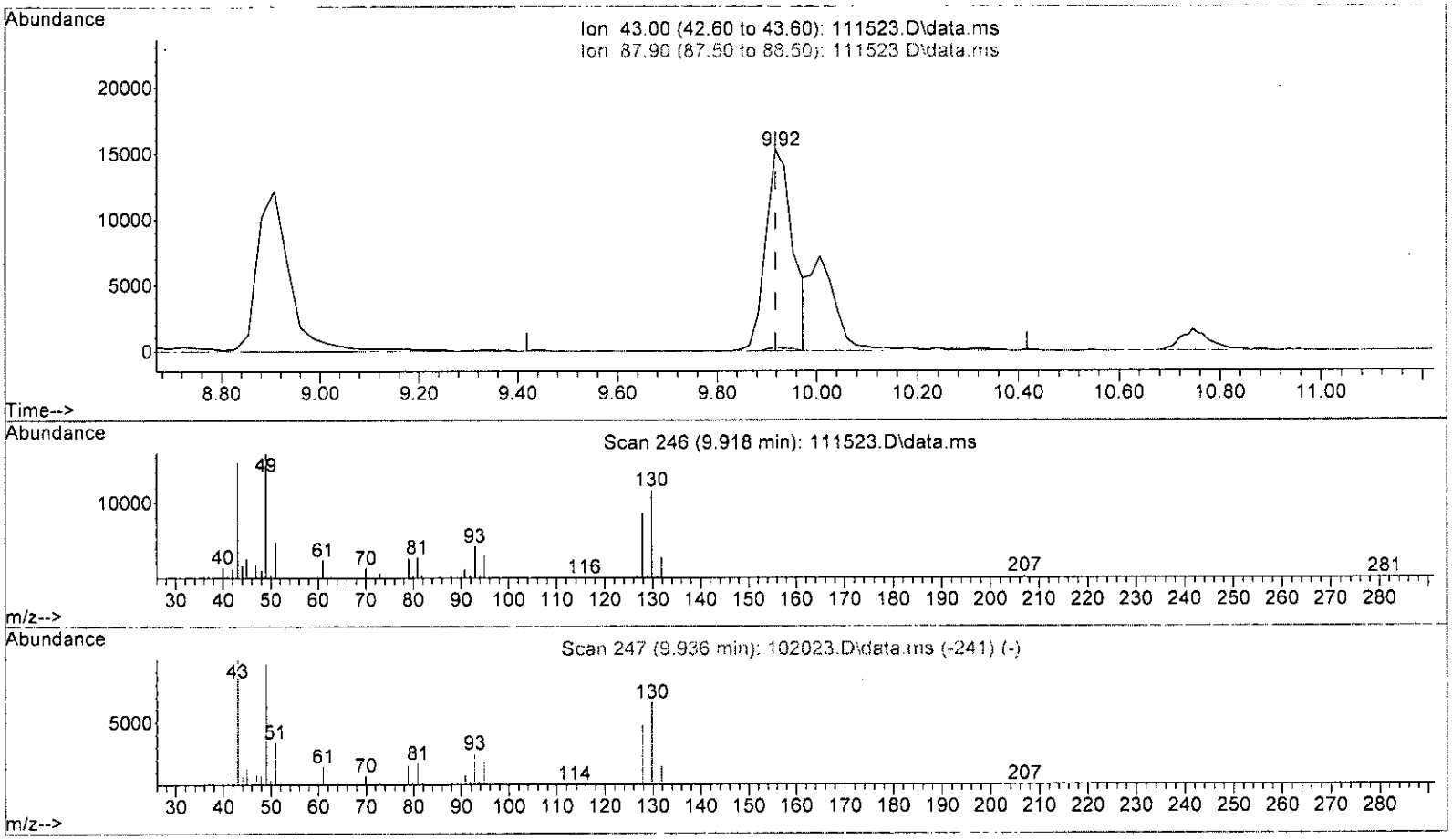
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.705 ppbv
response 84305

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.99#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111523.D\data.ms

(31) Ethyl acetate (TMP)

9.918min (-0.000) 2.576 ppbv m

response 58601

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	60056	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	277968	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	243467	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	181348	10.748	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	21323	2.683	ppbv		92
3) Dichlorodifluoromethane	3.49	85	64998	2.625	ppbv		97
4] Chloromethane	3.73	50	28666m	2.536	ppbv		
5) F-114	3.88	85	65533	2.588	ppbv		91
6] Vinyl chloride	4.09	62	27460	2.471	ppbv		99
7] 1,3-Butadiene	4.29	54	17873	2.447	ppbv	#	92
8) Butane	4.32	43	34653	2.643	ppbv		99
9) Bromomethane	4.60	94	27894	2.515	ppbv		97
10] Chloroethane	4.84	64	10615m	2.701	ppbv		
11] Vinyl bromide	5.32	106	25352m	2.623	ppbv		
12) Ethanol	4.96	45	10811	2.714	ppbv		96
13] Acrolein	5.41	56	10114m	2.310	ppbv		
14) Pentane	6.25	43	39506	2.673	ppbv		99
15) Trichlorofluoromethane	5.84	101	77313	2.692	ppbv		97
16) Acetone	5.57	58	11787	2.763	ppbv	#	64
17) 2-Propanol	5.78	45	47776	2.570	ppbv	#	98
18] 1,1-Dichloroethene	6.63	96	24276	2.457	ppbv		90
19] trans-1,2-Dichloroethene	8.10	96	24299	2.532	ppbv	#	76
20) Methylene chloride	6.80	84	24536	2.763	ppbv		98
21) t-Butyl alcohol (TBA)	6.57	59	39620	2.473	ppbv	#	72
22) 3-Chloropropene	6.94	41	31275	2.533	ppbv	#	88
23) CFC-113	7.15	101	56318	2.703	ppbv		99
24) Carbon disulfide	7.28	76	88234	2.844	ppbv		93
25) Methyl t-butyl ether (...	8.43	73	55056	2.670	ppbv		98
26) Vinyl acetate	8.54	43	58983m	2.584	ppbv		
27] 1,1-Dichloroethane	8.36	63	52610	2.621	ppbv		98
28] cis-1,2-Dichloroethene	9.64	96	25628	2.525	ppbv		98
29) Hexane	10.01	57	31847	2.564	ppbv		86
30] Chloroform	10.10	83	61101	2.649	ppbv		100
31) Ethyl acetate	9.92	43	58601m	2.576	ppbv		
32) Tetrahydrofuran	10.75	42	26759	2.462	ppbv		97
33) 2-Butanone (MEK)	8.91	72	10008	2.693	ppbv	#	88
34] 1,2-Dichloroethane (EDC)	11.34	62	40299	2.620	ppbv		99
35] 1,1,1-Trichloroethane	11.83	97	55317	2.755	ppbv		97
36] Carbon tetrachloride	12.86	117	57033	2.696	ppbv		98
37] Benzene	12.61	78	82709	2.633	ppbv		96
38) Cyclohexane	13.07	84	21838	2.660	ppbv		97
40] 1,2-Dichloropropane	13.80	63	38307	2.545	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

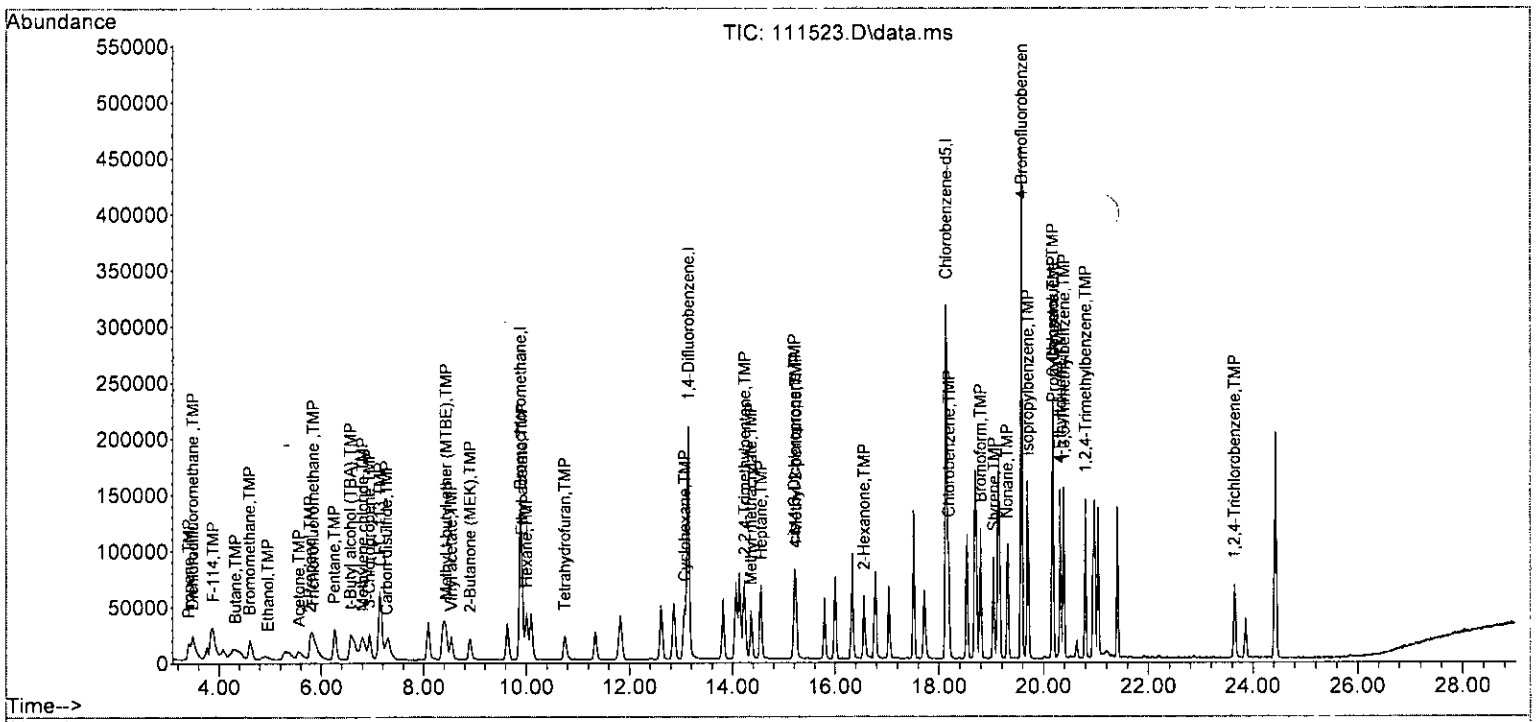
Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

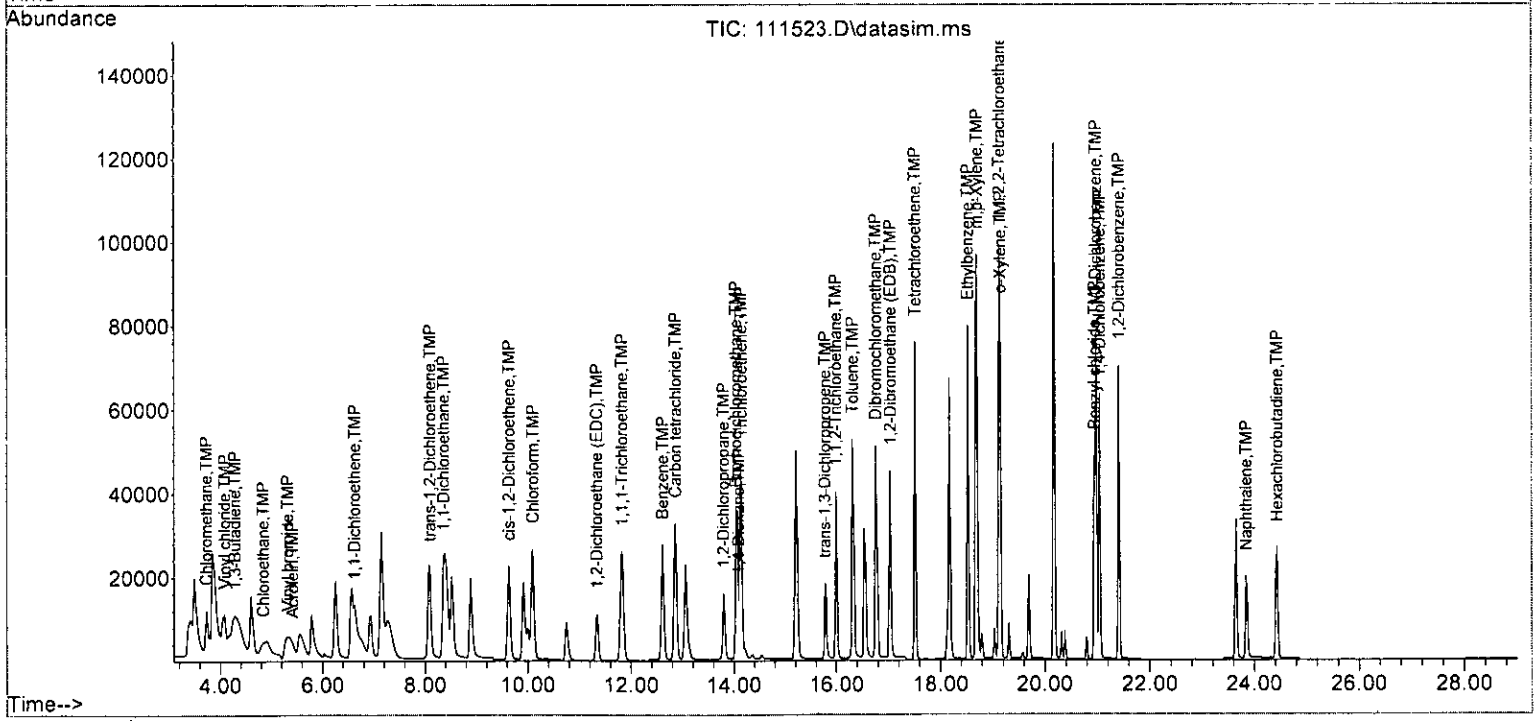
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	15320	2.394	ppbv		80
42) 2,2,4-Trimethylpentane	14.24	57	115958	2.610	ppbv		90
43) Methyl methacrylate	14.36	41	36245	2.687	ppbv		95
44) Heptane	14.56	43	47895	2.597	ppbv		99
45] Bromodichloromethane	14.04	83	63564	2.692	ppbv		100
46] Trichloroethene	14.14	95	40195	2.438	ppbv		95
47) cis-1,3-Dichloropropene	15.20	75	45543	2.737	ppbv		96
48) 4-Methyl-2-pentanone	15.23	100	3158	2.567	ppbv	#	63
49] trans-1,3-Dichloropropene	15.78	75	41889	2.676	ppbv		82
50] Toluene	16.31	92	51083	2.599	ppbv		98
51] 1,1,2-Trichloroethane	16.00	83	38068	2.658	ppbv		93
52) 2-Hexanone	16.56	43	60033	2.552	ppbv		96
53] Tetrachloroethene	17.52	164	35587	2.614	ppbv		91
54] Dibromochloromethane	16.76	129	63104	2.637	ppbv		98
55] 1,2-Dibromoethane (EDB)	17.04	107	55696	2.638	ppbv		97
57) Chlorobenzene	18.19	112	69826	2.605	ppbv		100
58] Ethylbenzene	18.53	91	114645	2.635	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	86666	2.682	ppbv		93
60) Nonane	19.30	43	64182	2.688	ppbv		97
61) Isopropylbenzene	19.70	105	121554	2.786	ppbv		100
62) 2-Chlorotoluene	20.17	126	29823	2.734	ppbv		86
63) Propylbenzene	20.19	91	226210	2.822	ppbv		99
64) 4-Ethyltoluene	20.32	105	102001	2.600	ppbv		98
65] m,p-Xylene	18.70	106	81611	5.293	ppbv		96
66] o-Xylene	19.15	106	40170	2.684	ppbv		99
67) Styrene	19.05	104	52474	2.632	ppbv		100
68) Bromoform	18.80	173	67371	2.691	ppbv		98
70] Benzyl chloride	20.95	91	75836	2.686	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	100545	2.848	ppbv		97
72) 1,2,4-Trimethylbenzene	20.80	105	82752	2.523	ppbv		98
73] 1,3-Dichlorobenzene	20.98	146	67062	2.722	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	61423	2.664	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	67758	2.717	ppbv		94
76) 1,2,4-Trichlorobenzene	23.64	180	33194	2.177	ppbv		93
77] Naphthalene	23.84	128	43756	2.225	ppbv		98
78] Hexachlorobutadiene	24.44	225	64925	2.553	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	2.500	2.683	-7.3	100	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.625	-5.0	100	0.00
4	TMP	Chloromethane	2.500	2.536	-1.4	101	0.00
5	TMP	F-114	2.500	2.588	-3.5	104	0.00
6	TMP	Vinyl chloride	2.500	2.471	1.2	100	0.00
7	TMP	1,3-Butadiene	2.500	2.447	2.1	100	0.00
8	TMP	Butane	2.500	2.643	-5.7	100	0.00
9	TMP	Bromomethane	2.500	2.515	-0.6	100	0.00
10	TMP	Chloroethane	2.500	2.701	-8.0	101	0.00
11	TMP	Vinyl bromide	2.500	2.623	-4.9	99	0.00
12	TMP	Ethanol	2.500	2.714	-8.6	100	0.00
13	TMP	Acrolein	2.500	2.310	7.6	102	0.00
14	TMP	Pentane	2.500	2.673	-6.9	100	0.00
15	TMP	Trichlorofluoromethane	2.500	2.692	-7.7	99	0.00
16	TMP	Acetone	2.500	2.763	-10.5	100	0.00
17	TMP	2-Propanol	2.500	2.570	-2.8	98	0.00
18	TMP	1,1-Dichloroethene	2.500	2.457	1.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.532	-1.3	100	0.00
20	TMP	Methylene chloride	2.500	2.763	-10.5	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.473	1.1	100	0.00
22	TMP	3-Chloropropene	2.500	2.533	-1.3	100	0.00
23	TMP	CFC-113	2.500	2.703	-8.1	100	0.00
24	TMP	Carbon disulfide	2.500	2.844	-13.8	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.670	-6.8	100	0.00
26	TMP	Vinyl acetate	2.500	2.584	-3.4	96	0.00
27	TMP	1,1-Dichloroethane	2.500	2.621	-4.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.525	-1.0	100	0.00
29	TMP	Hexane	2.500	2.564	-2.6	100	0.00
30	TMP	Chloroform	2.500	2.649	-6.0	100	0.00
31	TMP	Ethyl acetate	2.500	2.576	-3.0	101	0.00
32	TMP	Tetrahydrofuran	2.500	2.462	1.5	100	0.00
33	TMP	2-Butanone (MEK)	2.500	2.693	-7.7	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.620	-4.8	100	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.755	-10.2	100	0.00
36	TMP	Carbon tetrachloride	2.500	2.696	-7.8	100	0.00
37	TMP	Benzene	2.500	2.633	-5.3	100	0.00
38	TMP	Cyclohexane	2.500	2.660	-6.4	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	2.500	2.545	-1.8	100	0.00
41	TMP	1,4-Dioxane	2.500	2.394	4.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.610	-4.4	100	0.00
43	TMP	Methyl methacrylate	2.500	2.687	-7.5	100	0.00

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.597	-3.9	100	0.00
45	TMP	Bromodichloromethane	2.500	2.692	-7.7	100	0.00
46	TMP	Trichloroethene	2.500	2.438	2.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.737	-9.5	100	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.567	-2.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.676	-7.0	100	0.00
50	TMP	Toluene	2.500	2.599	-4.0	100	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.658	-6.3	100	0.00
52	TMP	2-Hexanone	2.500	2.552	-2.1	100	0.00
53	TMP	Tetrachloroethene	2.500	2.614	-4.6	100	0.00
54	TMP	Dibromochloromethane	2.500	2.637	-5.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.638	-5.5	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	2.500	2.605	-4.2	100	0.00
58	TMP	Ethylbenzene	2.500	2.635	-5.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.682	-7.3	100	0.00
60	TMP	Nonane	2.500	2.688	-7.5	100	0.00
61	TMP	Isopropylbenzene	2.500	2.786	-11.4	100	0.00
62	TMP	2-Chlorotoluene	2.500	2.734	-9.4	100	0.00
63	TMP	Propylbenzene	2.500	2.822	-12.9	100	0.00
64	TMP	4-Ethyltoluene	2.500	2.600	-4.0	100	0.00
65	TMP	m,p-Xylene	5.000	5.293	-5.9	100	0.00
66	TMP	o-Xylene	2.500	2.684	-7.4	100	0.00
67	TMP	Styrene	2.500	2.632	-5.3	100	0.00
68	TMP	Bromoform	2.500	2.691	-7.6	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.748	-7.5	100	0.00
70	TMP	Benzyl chloride	2.500	2.686	-7.4	101	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.848	-13.9	100	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.523	-0.9	100	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.722	-8.9	100	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.664	-6.6	100	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.717	-8.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.177	12.9	100	0.00
77	TMP	Naphthalene	2.500	2.225	11.0	100	0.00
78	TMP	Hexachlorobutadiene	2.500	2.553	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.420	8.7	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.329	-5.0	100	0.00
4	TMP	Chloromethane	1.882	1.909	-1.4	101	0.00
5	TMP	F-114	4.217	4.365	-3.5	104	0.00
6	TMP	Vinyl chloride	1.851	1.829	1.2	100	0.00
7	TMP	1,3-Butadiene	1.216	1.190	2.1	100	0.00
8	TMP	Butane	2.183	2.308	-5.7	100	0.00
9	TMP	Bromomethane	1.847	1.858	-0.6	100	0.00
10	TMP	Chloroethane	0.655	0.707	-7.9	101	0.00
11	TMP	Vinyl bromide	1.609	1.689	-5.0	99	0.00
12	TMP	Ethanol	0.663	0.720	-8.6	100	0.00
13	TMP	Acrolein	0.729	0.674	7.5	102	0.00
14	TMP	Pentane	2.461	2.631	-6.9	100	0.00
15	TMP	Trichlorofluoromethane	4.781	5.149	-7.7	99	0.00
16	TMP	Acetone	0.710	0.785	-10.6	100	0.00
17	TMP	2-Propanol	3.096	3.182	-2.8	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.617	1.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.618	-1.3	100	0.00
20	TMP	Methylene chloride	1.479	1.634	-10.5	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.639	1.1	100	0.00
22	TMP	3-Chloropropene	2.056	2.083	-1.3	100	0.00
23	TMP	CFC-113	3.469	3.751	-8.1	100	0.00
24	TMP	Carbon disulfide	5.167	5.877	-13.7	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.667	-6.8	100	0.00
26	TMP	Vinyl acetate	3.801	3.929	-3.4	96	0.00
27	TMP	1,1-Dichloroethane	3.342	3.504	-4.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.707	-1.0	100	0.00
29	TMP	Hexane	2.068	2.121	-2.6	100	0.00
30	TMP	Chloroform	4.060	4.070	-0.2	100	0.00
31	TMP	Ethyl acetate	3.789	3.903	-3.0	101	0.00
32	TMP	Tetrahydrofuran	1.809	1.782	1.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.667	-7.8	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.684	0.1	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.684	-10.2	100	0.00
36	TMP	Carbon tetrachloride	3.523	3.799	-7.8	100	0.00
37	TMP	Benzene	5.688	5.509	3.1	100	0.00
38	TMP	Cyclohexane	1.367	1.455	-6.4	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.551	-1.8	100	0.00
41	TMP	1,4-Dioxane	0.230	0.220	4.3	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.669	-4.4	100	0.00
43	TMP	Methyl methacrylate	0.485	0.522	-7.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111523.D
Acq On : 16 Nov 2022 8:25 am
Operator : bat
Sample : 2.5 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:53:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

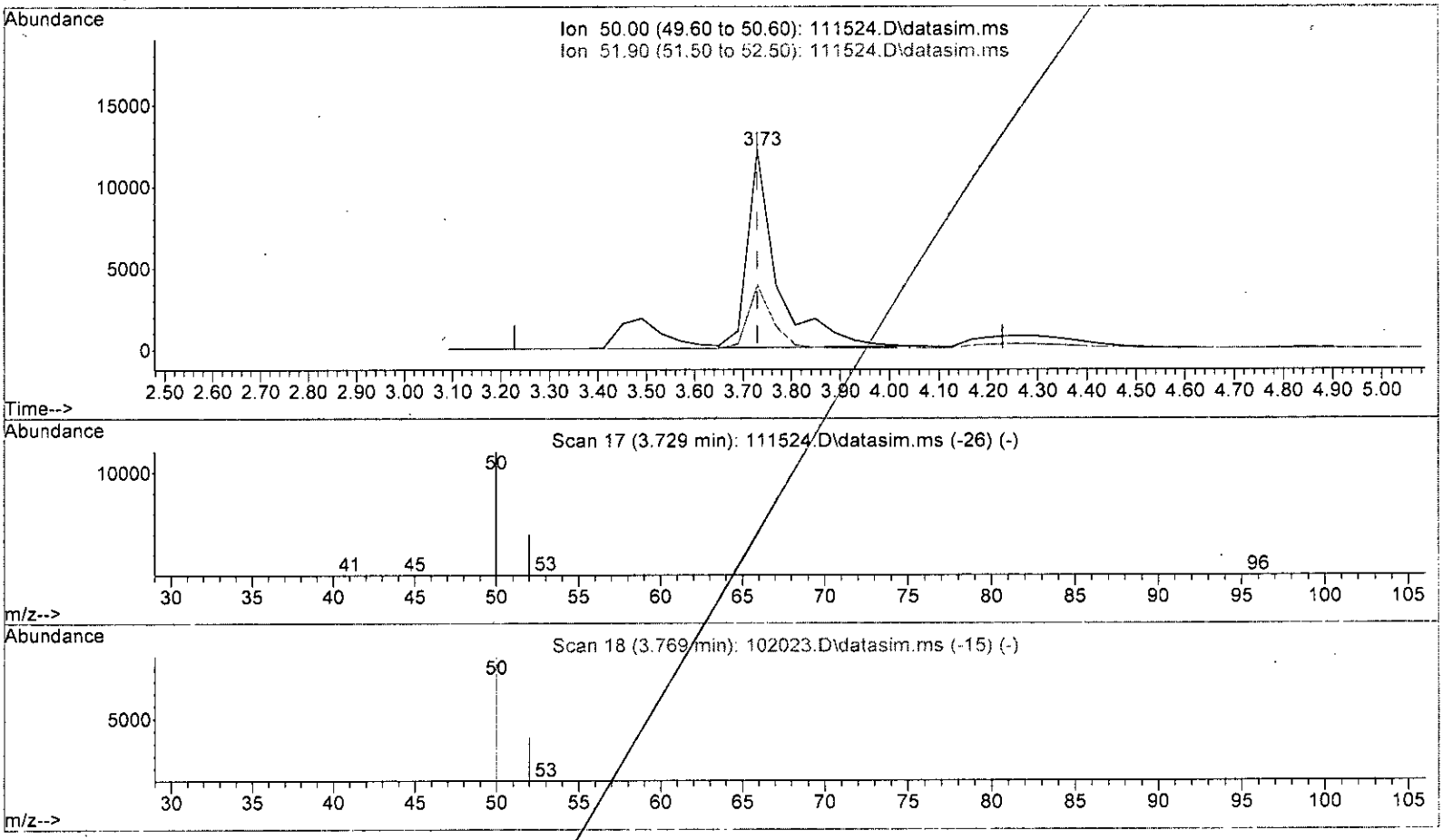
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.689	-3.9	100	0.00
45	TMP	Bromodichloromethane	0.850	0.915	-7.6	100	0.00
46	TMP	Trichloroethene	0.593	0.578	2.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.655	-9.3	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.603	-7.1	100	0.00
50	TMP	Toluene	0.707	0.735	-4.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.548	0.4	100	0.00
52	TMP	2-Hexanone	0.846	0.864	-2.1	100	0.00
53	TMP	Tetrachloroethene	0.490	0.512	-4.5	100	0.00
54	TMP	Dibromochloromethane	0.861	0.908	-5.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.801	2.8	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.147	-4.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.884	4.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.424	-2.2	100	0.00
60	TMP	Nonane	0.981	1.054	-7.4	100	0.00
61	TMP	Isopropylbenzene	1.792	1.997	-11.4	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.490	-9.4	100	0.00
63	TMP	Propylbenzene	3.292	3.716	-12.9	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.676	-4.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.670	-5.8	100	0.00
66	TMP	o-Xylene	0.615	0.660	-7.3	100	0.00
67	TMP	Styrene	0.819	0.862	-5.3	100	0.00
68	TMP	Bromoform	1.028	1.107	-7.7	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.246	-26.2	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.652	-13.9	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.360	-9.1	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.102	-8.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.009	-6.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.113	-8.7	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.545	12.9	100	0.00
77	TMP	Naphthalene	1.132	0.719	36.5#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.067	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 4.481 ppbv

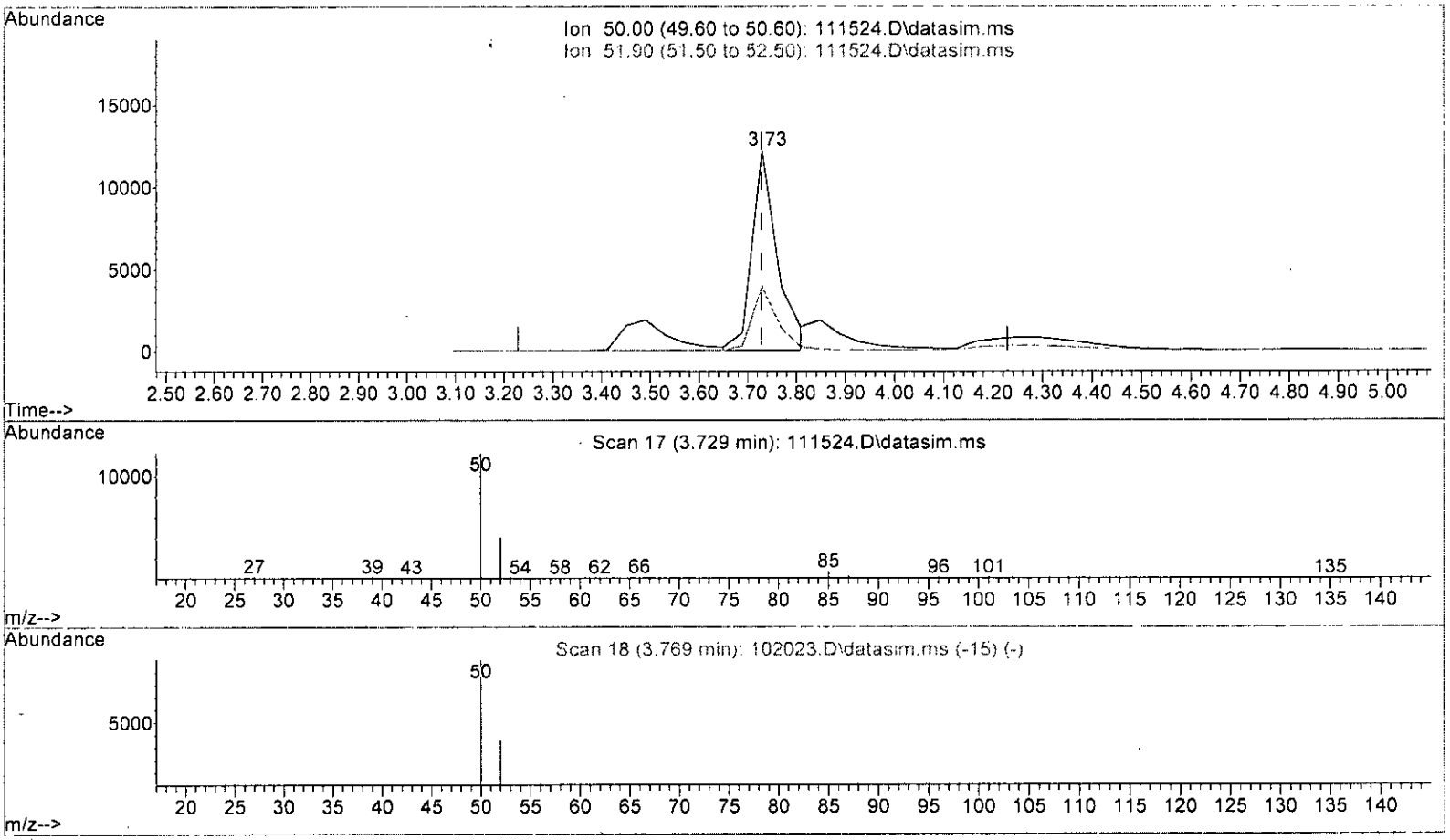
response 51560

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 3.839 ppbv m

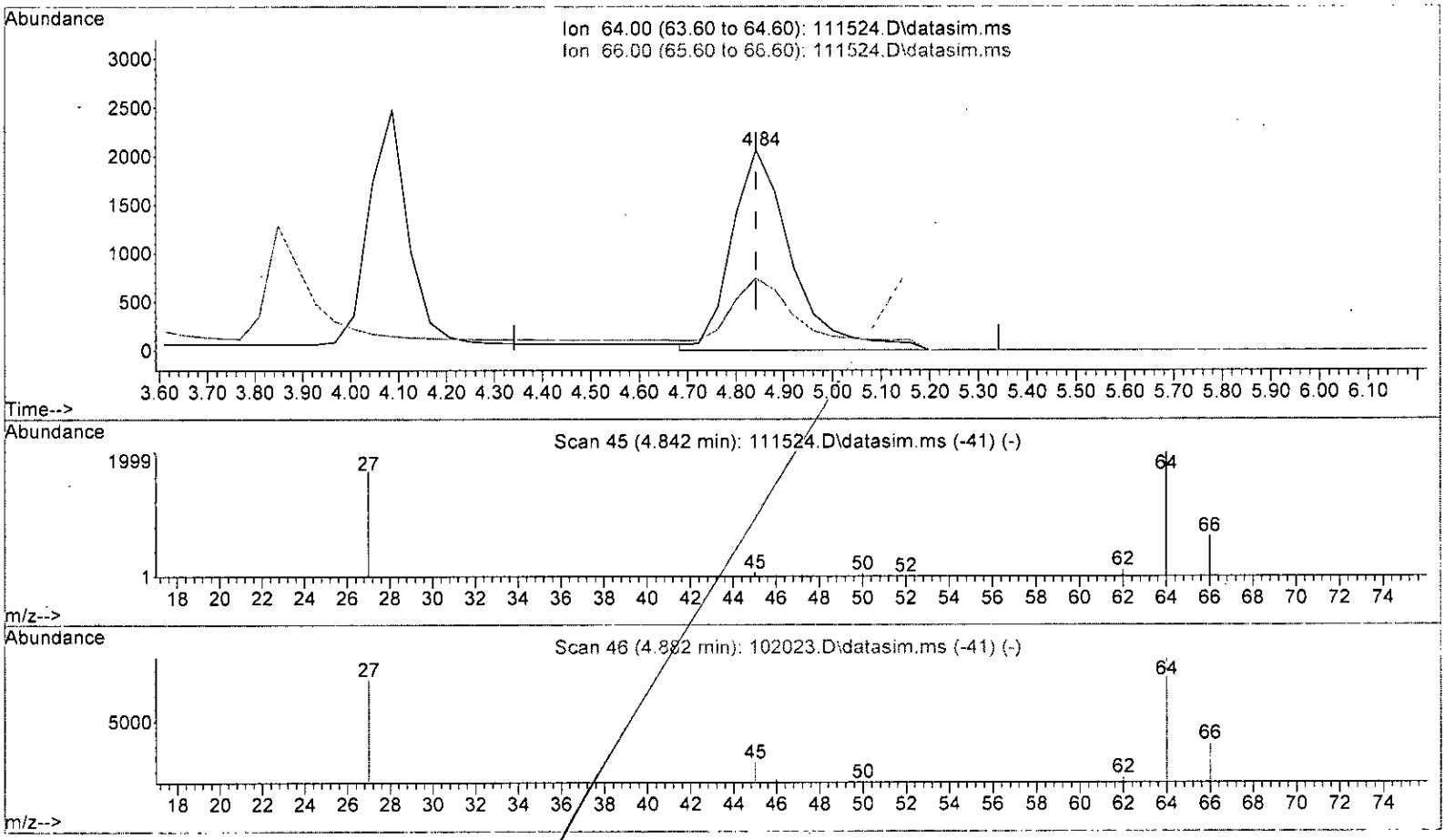
response 44175

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 4.267 ppbv

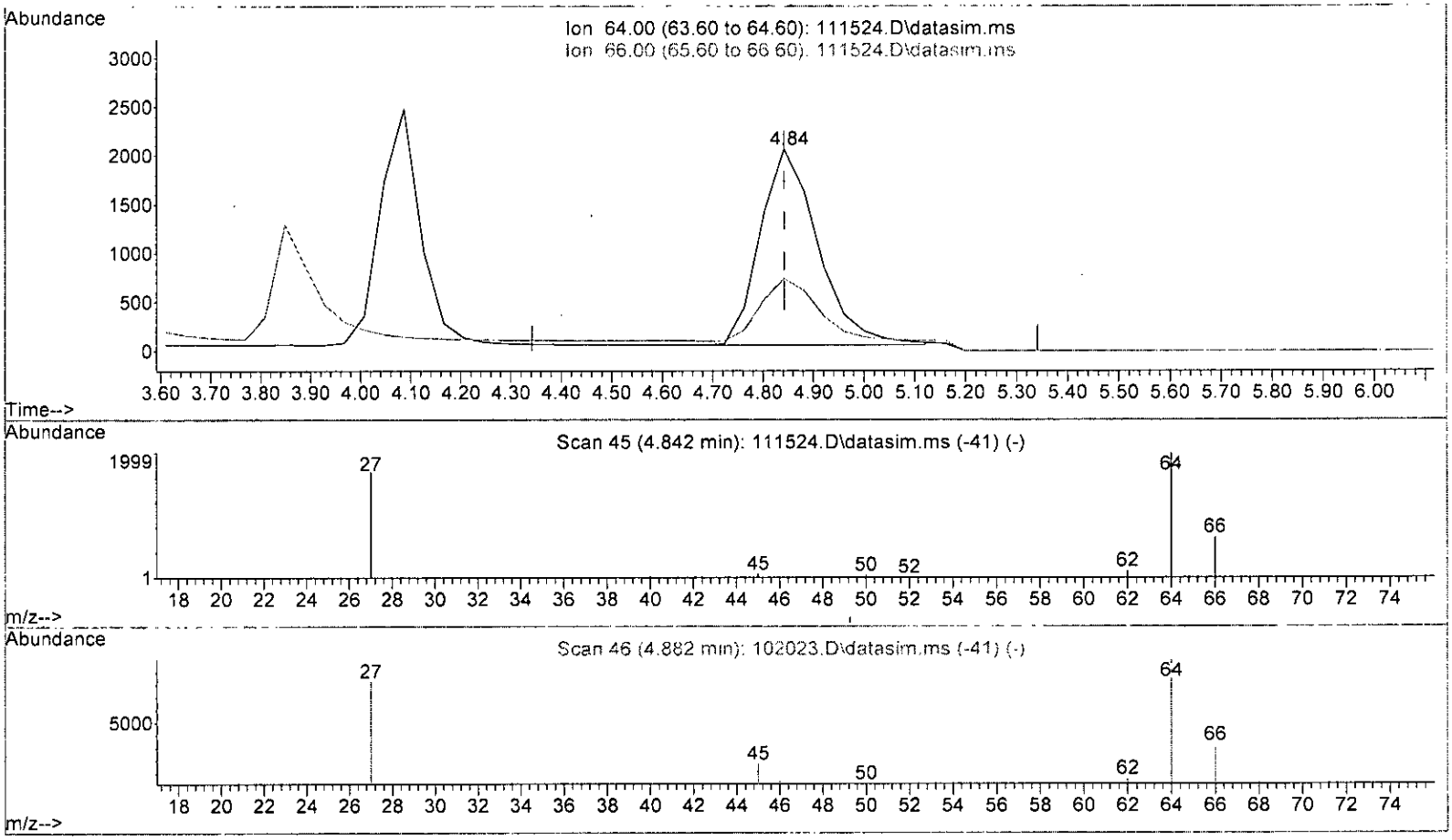
response 17070

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 3.999 ppbv m

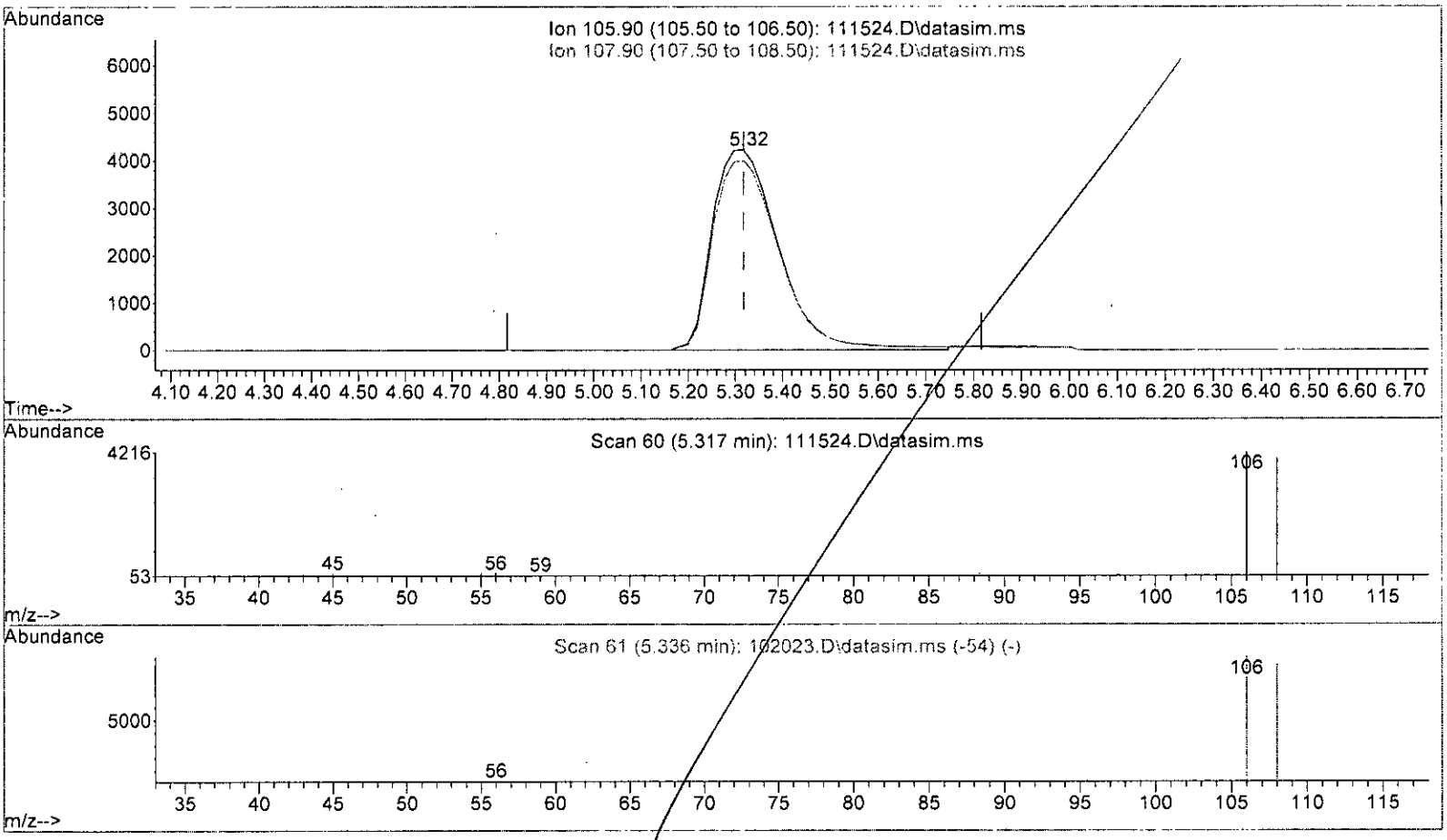
response 16000

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 4.476 ppbv

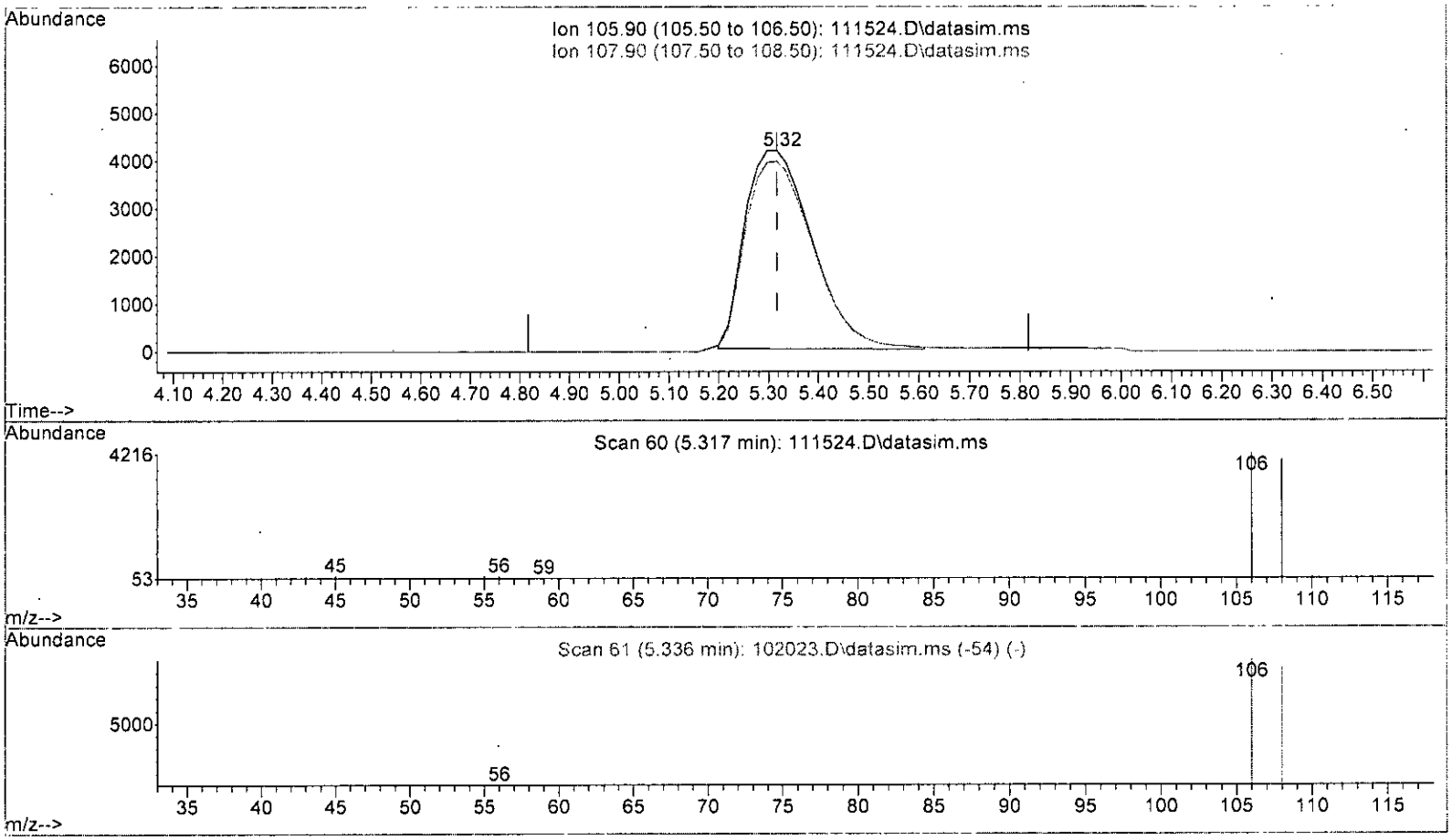
response 44033

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.68
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 3.982 ppbv m

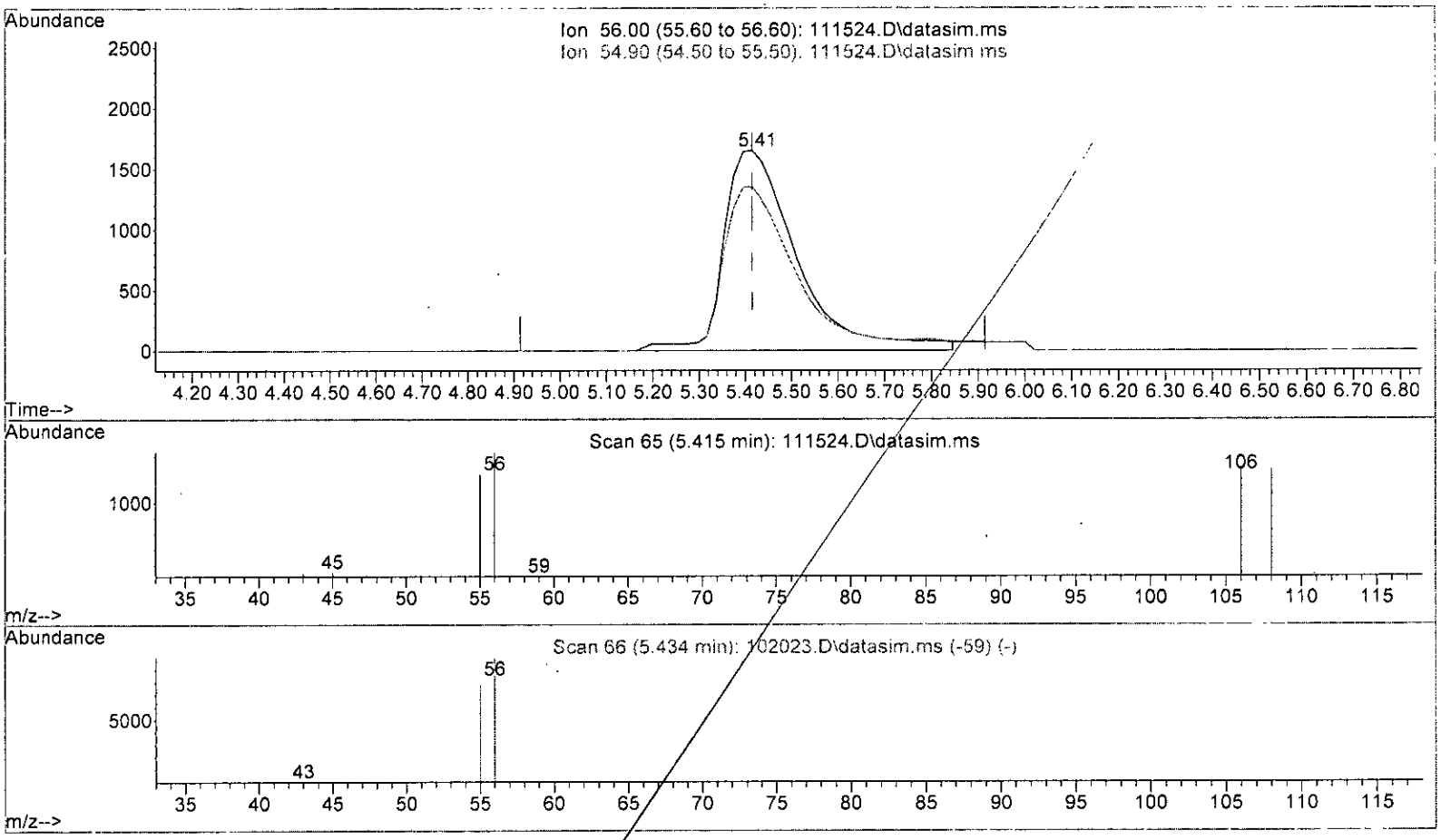
response 39173

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	106.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 4.283 ppbv

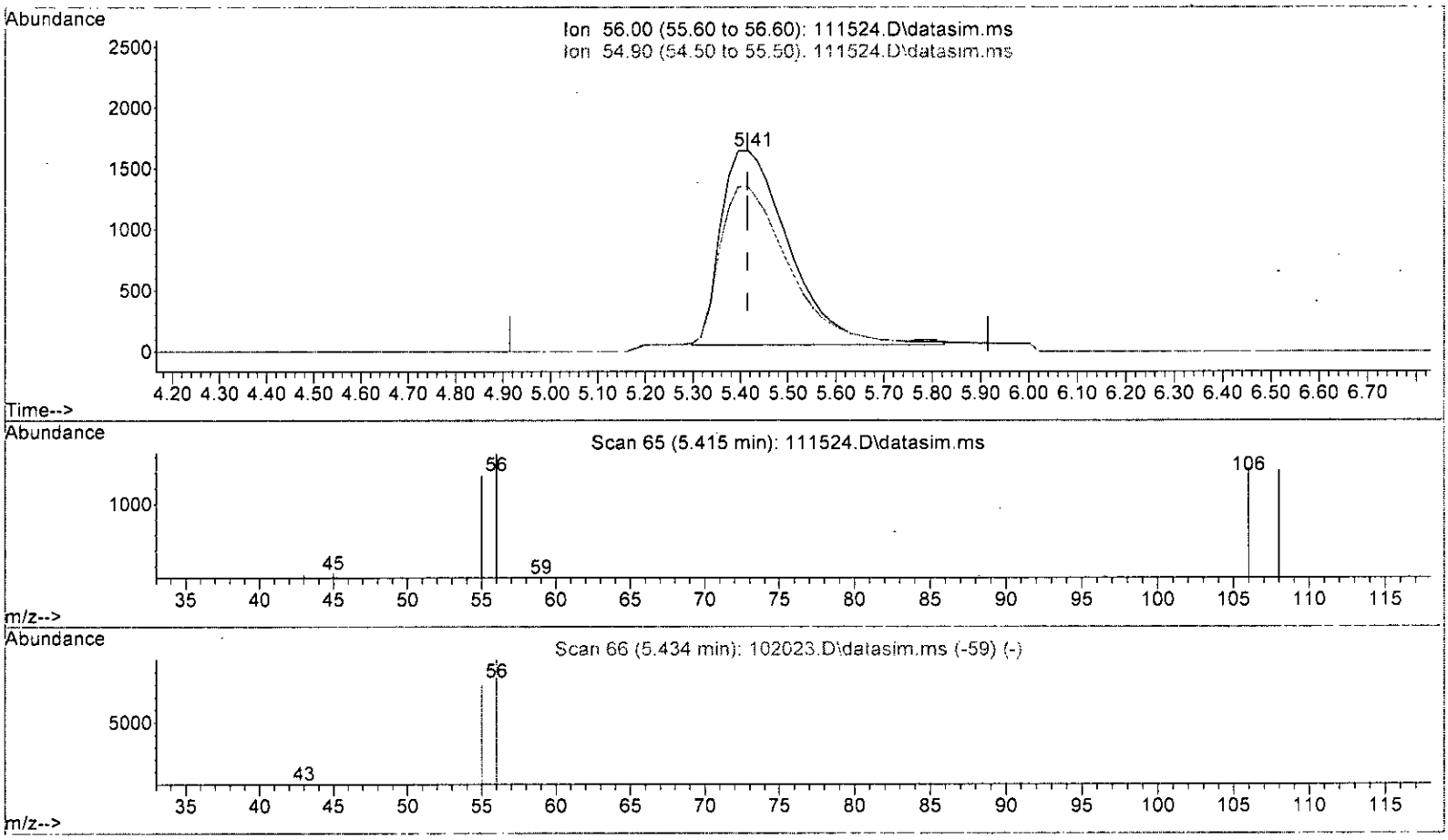
response 19080

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	69.88
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111524.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 3.543 ppbv m

response 15785

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	84.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	61124	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	281759	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	251020	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	183725	10.561	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.60%				
Target Compounds							Qvalue
2) Propene	3.41	41	33189	4.126	ppbv		100
3) Dichlorodifluoromethane	3.48	85	101066	4.011	ppbv		98
4] Chloromethane	3.73	50	44175m	3.839	ppbv		
5) F-114	3.84	85	102348	3.971	ppbv		97
6] Vinyl chloride	4.09	62	42585	3.765	ppbv		98
7] 1,3-Butadiene	4.25	54	27707	3.728	ppbv	#	92
8) Butane	4.36	43	53087	3.979	ppbv		98
9) Bromomethane	4.60	94	41370	3.664	ppbv		99
10] Chloroethane	4.84	64	16000m	3.999	ppbv		
11] Vinyl bromide	5.32	106	39173m	3.982	ppbv		
12) Ethanol	4.96	45	15931	3.930	ppbv		99
13] Acrolein	5.41	56	15785m	3.543	ppbv		
14) Pentane	6.25	43	62202	4.136	ppbv		100
15) Trichlorofluoromethane	5.84	101	118785	4.064	ppbv		96
16) Acetone	5.57	58	15999	3.684	ppbv		100
17) 2-Propanol	5.78	45	73060	3.861	ppbv	#	96
18] 1,1-Dichloroethene	6.63	96	37128	3.692	ppbv		97
19] trans-1,2-Dichloroethene	8.10	96	37324	3.822	ppbv	#	71
20) Methylene chloride	6.80	84	35947	3.977	ppbv		96
21) t-Butyl alcohol (TBA)	6.57	59	65955	4.045	ppbv	#	75
22) 3-Chloropropene	6.94	41	51518	4.099	ppbv		99
23) CFC-113	7.15	101	86782	4.092	ppbv		98
24) Carbon disulfide	7.28	76	131377	4.160	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	83436	3.975	ppbv		99
26) Vinyl acetate	8.54	43	98130	4.224	ppbv		100
27] 1,1-Dichloroethane	8.36	63	80066	3.919	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	39575	3.831	ppbv		98
29) Hexane	10.01	57	51441	4.069	ppbv		99
30] Chloroform	10.08	83	92826	3.992	ppbv		96
31) Ethyl acetate	9.92	43	95307	4.116	ppbv	#	99
32) Tetrahydrofuran	10.74	42	42555	3.848	ppbv		100
33) 2-Butanone (MEK)	8.88	72	15844	4.188	ppbv	#	86
34] 1,2-Dichloroethane (EDC)	11.34	62	62822	4.045	ppbv		100
35] 1,1,1-Trichloroethane	11.83	97	83493	4.085	ppbv		97
36] Carbon tetrachloride	12.86	117	87121	4.046	ppbv		98
37] Benzene	12.61	78	126249	3.997	ppbv		95
38) Cyclohexane	13.07	84	33443	4.002	ppbv		97
40] 1,2-Dichloropropane	13.80	63	59183	3.879	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

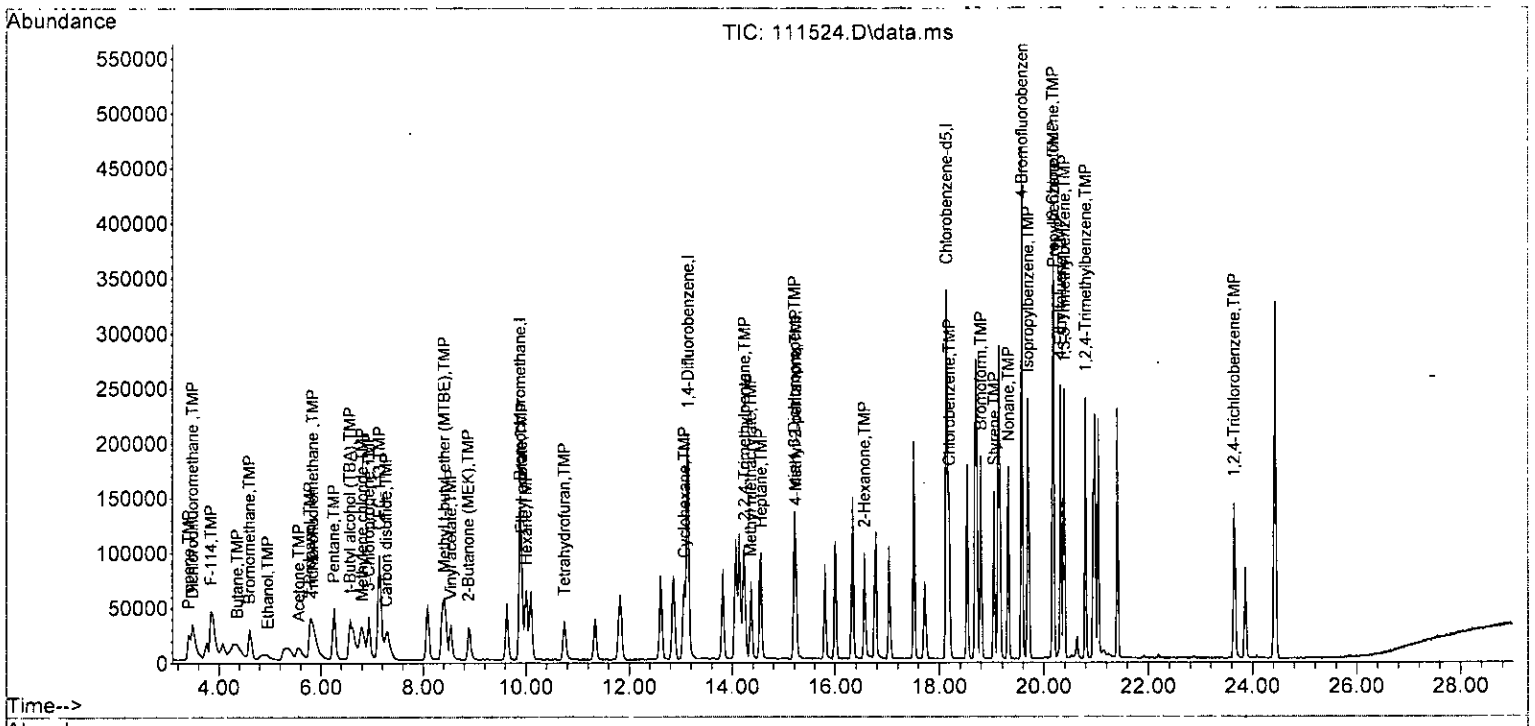
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	24576	3.788	ppbv		74
42) 2,2,4-Trimethylpentane	14.24	57	181987	4.041	ppbv		95
43) Methyl methacrylate	14.36	41	55200	4.037	ppbv		99
44) Heptane	14.56	43	74628	3.992	ppbv		97
45] Bromodichloromethane	14.04	83	97853	4.088	ppbv		100
46] Trichloroethene	14.14	95	61647	3.689	ppbv		93
47) cis-1,3-Dichloropropene	15.20	75	71047	4.212	ppbv		96
48) 4-Methyl-2-pentanone	15.23	100	5072	4.068	ppbv	#	95
49] trans-1,3-Dichloropropene	15.78	75	66217	4.173	ppbv		82
50] Toluene	16.31	92	78968	3.964	ppbv		96
51] 1,1,2-Trichloroethane	16.00	83	58159	4.058	ppbv		92
52) 2-Hexanone	16.56	43	97830	4.103	ppbv		97
53] Tetrachloroethene	17.52	164	53751	3.895	ppbv		91
54] Dibromochloromethane	16.76	129	99446	4.100	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	84835	4.008	ppbv		99
57) Chlorobenzene	18.19	112	107291	3.883	ppbv		98
58] Ethylbenzene	18.53	91	179483	4.024	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.13	83	133481	4.056	ppbv		93
60) Nonane	19.32	43	107897	4.383	ppbv		97
61) Isopropylbenzene	19.70	105	184276	4.097	ppbv		97
62) 2-Chlorotoluene	20.17	126	46312	4.118	ppbv		94
63) Propylbenzene	20.19	91	365253	4.420	ppbv		100
64) 4-Ethyltoluene	20.32	105	170650	4.219	ppbv		99
65] m,p-Xylene	18.70	106	130610	8.217	ppbv		96
66] o-Xylene	19.15	106	63741	4.130	ppbv		98
67) Styrene	19.05	104	88372	4.299	ppbv		97
68) Bromoform	18.80	173	105040	4.069	ppbv		100
70] Benzyl chloride	20.95	91	125613	4.233	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	160871	4.420	ppbv		100
72) 1,2,4-Trimethylbenzene	20.80	105	139629	4.021	ppbv		97
73] 1,3-Dichlorobenzene	20.98	146	109547	4.313	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	101668	4.278	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	108878	4.235	ppbv		93
76) 1,2,4-Trichlorobenzene	23.64	180	69458	4.076	ppbv		98
77] Naphthalene	23.84	128	99098	4.075	ppbv		98
78] Hexachlorobutadiene	24.44	225	105314	4.016	ppbv		100

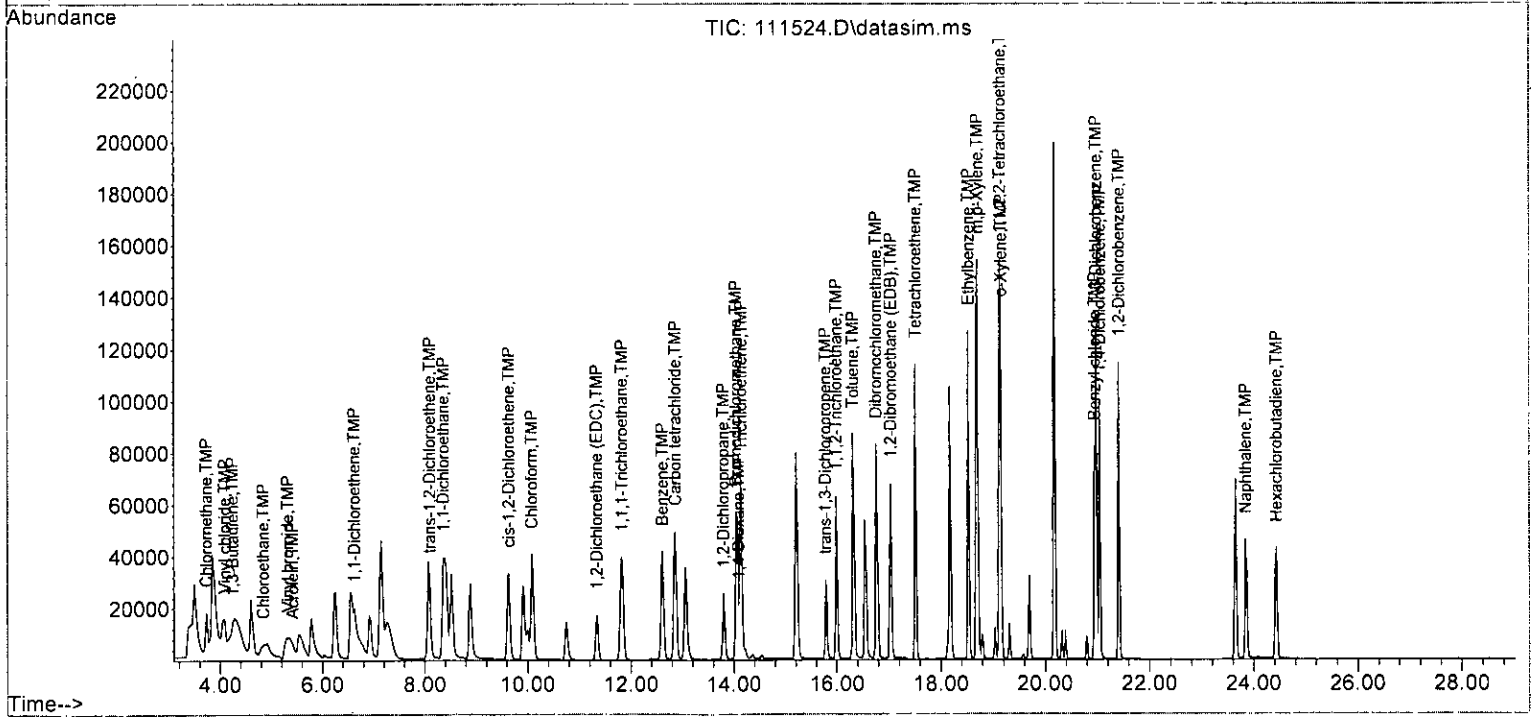
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	4.000	4.126	-3.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.000	4.011	-0.3	100	0.00
4	TMP	Chloromethane	4.000	3.839	4.0	100	0.00
5	TMP	F-114	4.000	3.971	0.7	105	-0.04
6	TMP	Vinyl chloride	4.000	3.765	5.9	100	0.00
7	TMP	1,3-Butadiene	4.000	3.728	6.8	100	-0.04
8	TMP	Butane	4.000	3.979	0.5	101	0.04
9	TMP	Bromomethane	4.000	3.664	8.4	100	0.00
10	TMP	Chloroethane	4.000	3.999	0.0	101	0.00
11	TMP	Vinyl bromide	4.000	3.982	0.4	101	0.00
12	TMP	Ethanol	4.000	3.930	1.7	100	0.00
13	TMP	Acrolein	4.000	3.543	11.4	100	0.00
14	TMP	Pentane	4.000	4.136	-3.4	100	0.00
15	TMP	Trichlorofluoromethane	4.000	4.064	-1.6	100	0.00
16	TMP	Acetone	4.000	3.684	7.9	100	0.00
17	TMP	2-Propanol	4.000	3.861	3.5	98	0.00
18	TMP	1,1-Dichloroethene	4.000	3.692	7.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	4.000	3.822	4.4	100	0.00
20	TMP	Methylene chloride	4.000	3.977	0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	4.000	4.045	-1.1	100	0.00
22	TMP	3-Chloropropene	4.000	4.099	-2.5	100	0.00
23	TMP	CFC-113	4.000	4.092	-2.3	100	0.00
24	TMP	Carbon disulfide	4.000	4.160	-4.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	4.000	3.975	0.6	100	-0.03
26	TMP	Vinyl acetate	4.000	4.224	-5.6	100	0.00
27	TMP	1,1-Dichloroethane	4.000	3.919	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	4.000	3.831	4.2	100	0.00
29	TMP	Hexane	4.000	4.069	-1.7	100	0.00
30	TMP	Chloroform	4.000	3.992	0.2	100	-0.02
31	TMP	Ethyl acetate	4.000	4.116	-2.9	100	0.00
32	TMP	Tetrahydrofuran	4.000	3.848	3.8	100	-0.01
33	TMP	2-Butanone (MEK)	4.000	4.188	-4.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	4.000	4.045	-1.1	100	0.00
35	TMP	1,1,1-Trichloroethane	4.000	4.085	-2.1	100	0.00
36	TMP	Carbon tetrachloride	4.000	4.046	-1.2	100	0.00
37	TMP	Benzene	4.000	3.997	0.1	100	0.00
38	TMP	Cyclohexane	4.000	4.002	-0.0	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	4.000	3.879	3.0	100	0.00
41	TMP	1,4-Dioxane	4.000	3.788	5.3	100	0.00
42	TMP	2,2,4-Trimethylpentane	4.000	4.041	-1.0	100	0.00
43	TMP	Methyl methacrylate	4.000	4.037	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	4.000	3.992	0.2	100	0.00
45	TMP	Bromodichloromethane	4.000	4.088	-2.2	100	0.00
46	TMP	Trichloroethene	4.000	3.689	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	4.000	4.212	-5.3	100	0.00
48	TMP	4-Methyl-2-pentanone	4.000	4.068	-1.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	4.000	4.173	-4.3	100	0.00
50	TMP	Toluene	4.000	3.964	0.9	100	0.00
51	TMP	1,1,2-Trichloroethane	4.000	4.058	-1.4	100	0.00
52	TMP	2-Hexanone	4.000	4.103	-2.6	100	0.00
53	TMP	Tetrachloroethene	4.000	3.895	2.6	100	0.00
54	TMP	Dibromochloromethane	4.000	4.100	-2.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	4.000	4.008	-0.2	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	4.000	3.883	2.9	100	0.00
58	TMP	Ethylbenzene	4.000	4.024	-0.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	4.000	4.056	-1.4	100	0.00
60	TMP	Nonane	4.000	4.383	-9.6	100	0.02
61	TMP	Isopropylbenzene	4.000	4.097	-2.4	100	0.00
62	TMP	2-Chlorotoluene	4.000	4.118	-3.0	100	0.00
63	TMP	Propylbenzene	4.000	4.420	-10.5	100	0.00
64	TMP	4-Ethyltoluene	4.000	4.219	-5.5	100	0.00
65	TMP	m,p-Xylene	8.000	8.217	-2.7	100	0.00
66	TMP	o-Xylene	4.000	4.130	-3.2	100	0.00
67	TMP	Styrene	4.000	4.299	-7.5	100	0.00
68	TMP	Bromoform	4.000	4.069	-1.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.561	-5.6	100	0.00
70	TMP	Benzyl chloride	4.000	4.233	-5.8	101	0.00
71	TMP	1,3,5-Trimethylbenzene	4.000	4.420	-10.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	4.000	4.021	-0.5	100	0.00
73	TMP	1,3-Dichlorobenzene	4.000	4.313	-7.8	100	0.00
74	TMP	1,4-Dichlorobenzene	4.000	4.278	-6.9	100	0.00
75	TMP	1,2-Dichlorobenzene	4.000	4.235	-5.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	4.000	4.076	-1.9	100	0.00
77	TMP	Naphthalene	4.000	4.075	-1.9	100	0.00
78	TMP	Hexachlorobutadiene	4.000	4.016	-0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.357	12.8	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.134	-0.3	100	0.00
4	TMP	Chloromethane	1.882	1.807	4.0	100	0.00
5	TMP	F-114	4.217	4.186	0.7	105	-0.04
6	TMP	Vinyl chloride	1.851	1.742	5.9	100	0.00
7	TMP	1,3-Butadiene	1.216	1.133	6.8	100	-0.04
8	TMP	Butane	2.183	2.171	0.5	101	0.04
9	TMP	Bromomethane	1.847	1.692	8.4	100	0.00
10	TMP	Chloroethane	0.655	0.654	0.2	101	0.00
11	TMP	Vinyl bromide	1.609	1.602	0.4	101	0.00
12	TMP	Ethanol	0.663	0.652	1.7	100	0.00
13	TMP	Acrolein	0.729	0.646	11.4	100	0.00
14	TMP	Pentane	2.461	2.544	-3.4	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.858	-1.6	100	0.00
16	TMP	Acetone	0.710	0.654	7.9	100	0.00
17	TMP	2-Propanol	3.096	2.988	3.5	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.519	7.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.527	4.4	100	0.00
20	TMP	Methylene chloride	1.479	1.470	0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.698	-1.1	100	0.00
22	TMP	3-Chloropropene	2.056	2.107	-2.5	100	0.00
23	TMP	CFC-113	3.469	3.549	-2.3	100	0.00
24	TMP	Carbon disulfide	5.167	5.373	-4.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.413	0.6	100	-0.03
26	TMP	Vinyl acetate	3.801	4.014	-5.6	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.275	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.619	4.2	100	0.00
29	TMP	Hexane	2.068	2.104	-1.7	100	0.00
30	TMP	Chloroform	4.060	3.797	6.5	100	-0.02
31	TMP	Ethyl acetate	3.789	3.898	-2.9	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.741	3.8	100	-0.01
33	TMP	2-Butanone (MEK)	0.619	0.648	-4.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.569	4.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.415	-2.2	100	0.00
36	TMP	Carbon tetrachloride	3.523	3.563	-1.1	100	0.00
37	TMP	Benzene	5.688	5.164	9.2	100	0.00
38	TMP	Cyclohexane	1.367	1.368	-0.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.525	3.0	100	0.00
41	TMP	1,4-Dioxane	0.230	0.218	5.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.615	-1.1	100	0.00
43	TMP	Methyl methacrylate	0.485	0.490	-1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111524.D
Acq On : 16 Nov 2022 9:00 am
Operator : bat
Sample : 4.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:57:26 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

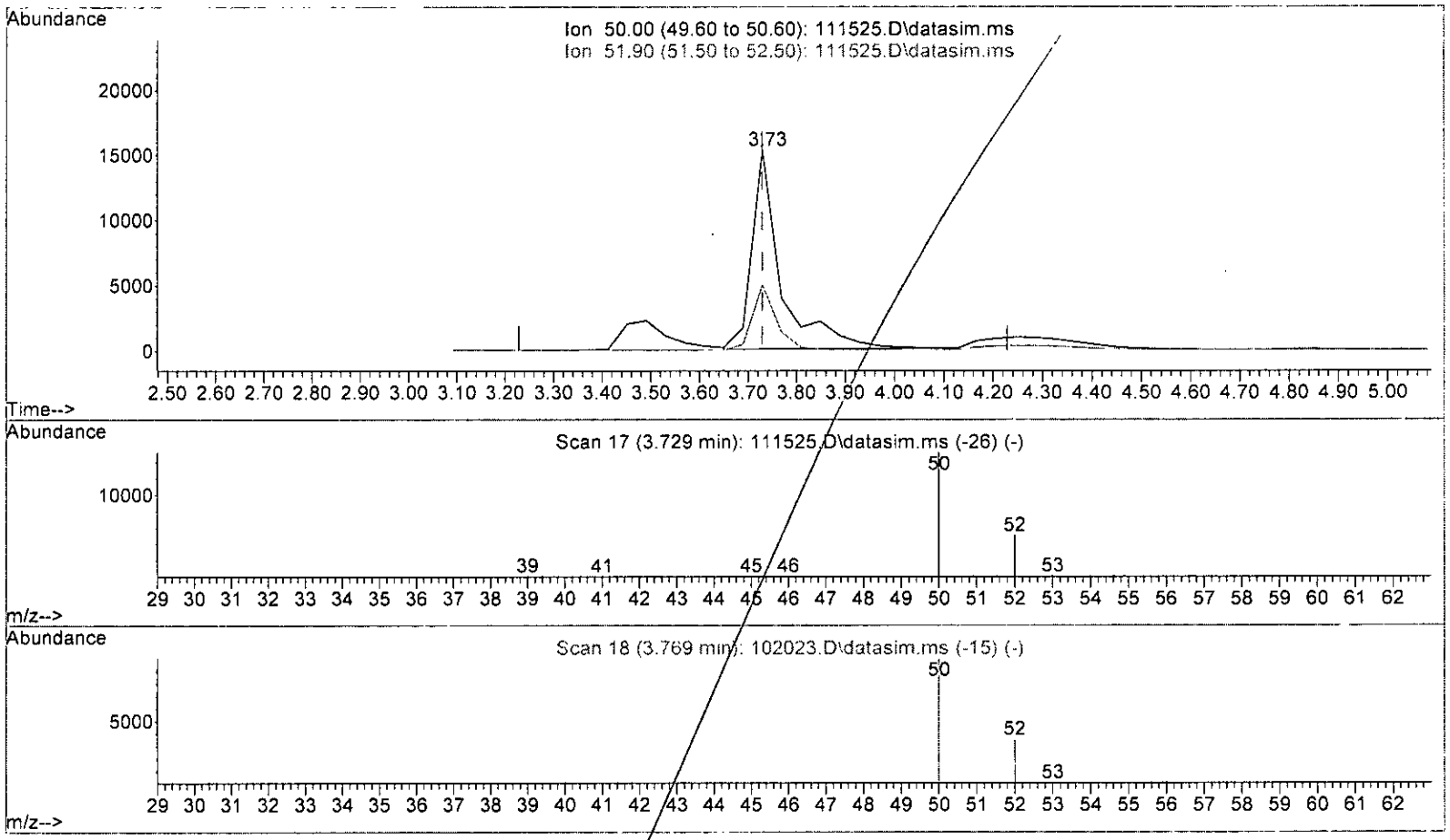
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.662	0.2	100	0.00
45	TMP	Bromodichloromethane	0.850	0.868	-2.1	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.630	-5.2	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.588	-4.4	100	0.00
50	TMP	Toluene	0.707	0.701	0.8	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.516	6.2	100	0.00
52	TMP	2-Hexanone	0.846	0.868	-2.6	100	0.00
53	TMP	Tetrachloroethene	0.490	0.477	2.7	100	0.00
54	TMP	Dibromochloromethane	0.861	0.882	-2.4	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.753	8.6	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.069	2.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.788	9.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.329	4.7	100	0.00
60	TMP	Nonane	0.981	1.075	-9.6	100	0.02
61	TMP	Isopropylbenzene	1.792	1.835	-2.4	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.461	-2.9	100	0.00
63	TMP	Propylbenzene	3.292	3.638	-10.5	100	0.00
64	TMP	4-Ethyltoluene	1.611	1.700	-5.5	100	0.00
65	TMP	m,p-Xylene	0.633	0.650	-2.7	100	0.00
66	TMP	o-Xylene	0.615	0.635	-3.3	100	0.00
67	TMP	Styrene	0.819	0.880	-7.4	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.732	-5.6	100	0.00
70	TMP	Benzyl chloride	0.987	1.251	-26.7	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.602	-10.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.391	-11.5	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.091	-7.8	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.013	-7.0	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.084	-5.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.692	-10.5	100	0.00
77	TMP	Naphthalene	1.132	0.987	12.8	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.049	-0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 5.489 ppbv

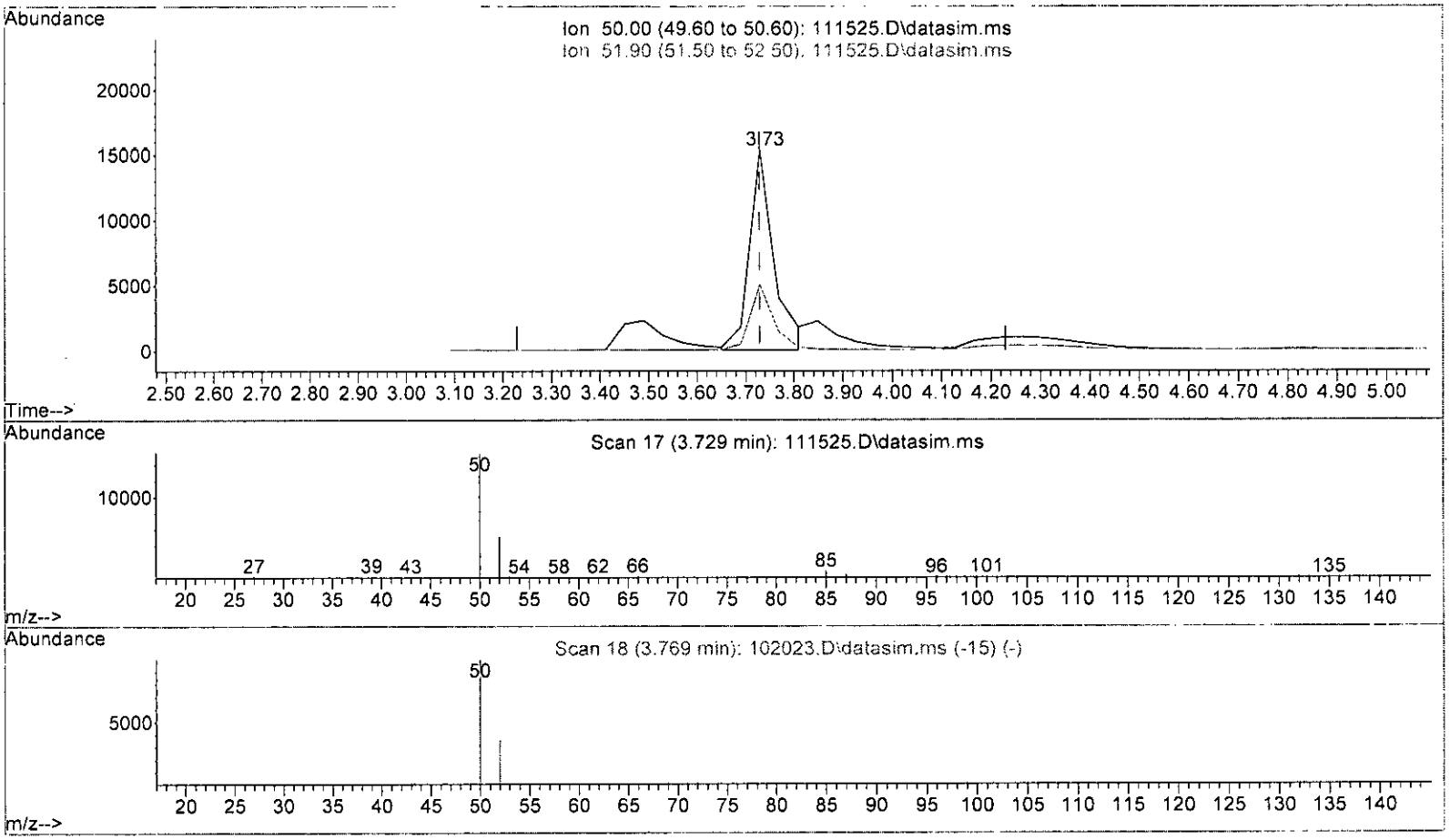
response 63014

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 4.721 ppbv m

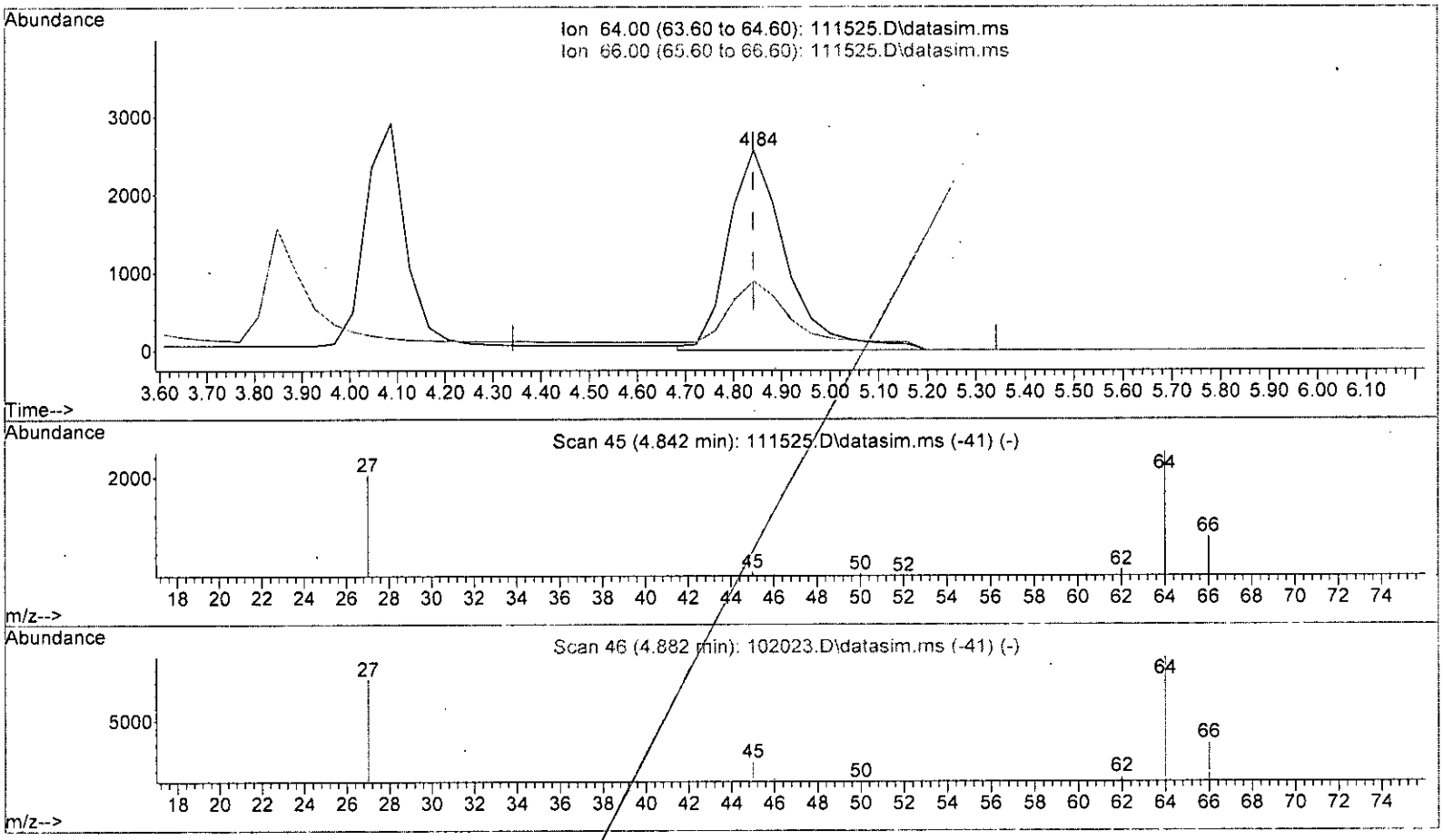
response 54199

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 5.142 ppbv

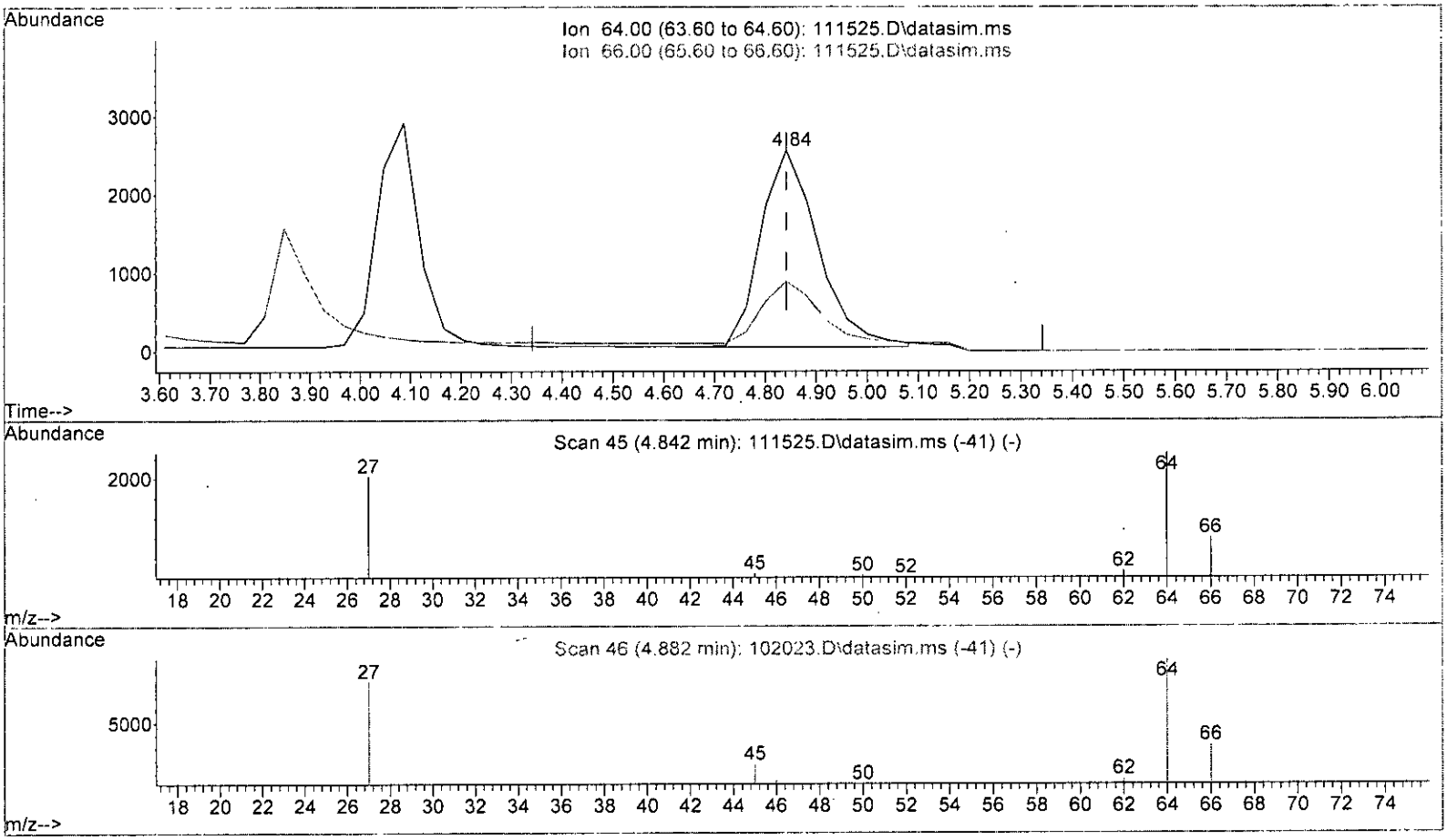
response 20522

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 4.928 ppbv m

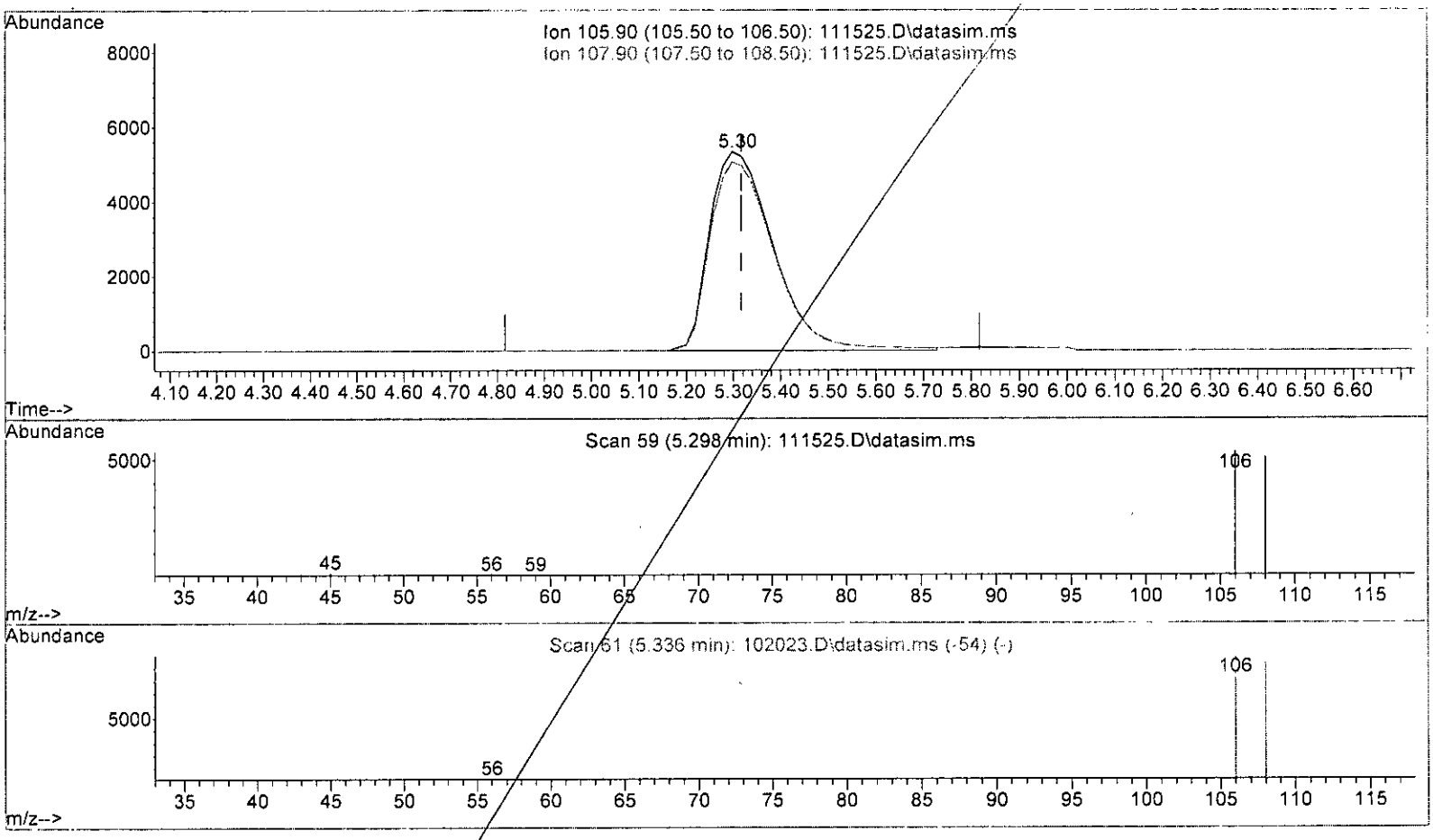
response 19668

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(11) Vinyl bromide (TMP)

5.298min (-0.019) 5.443 ppbv

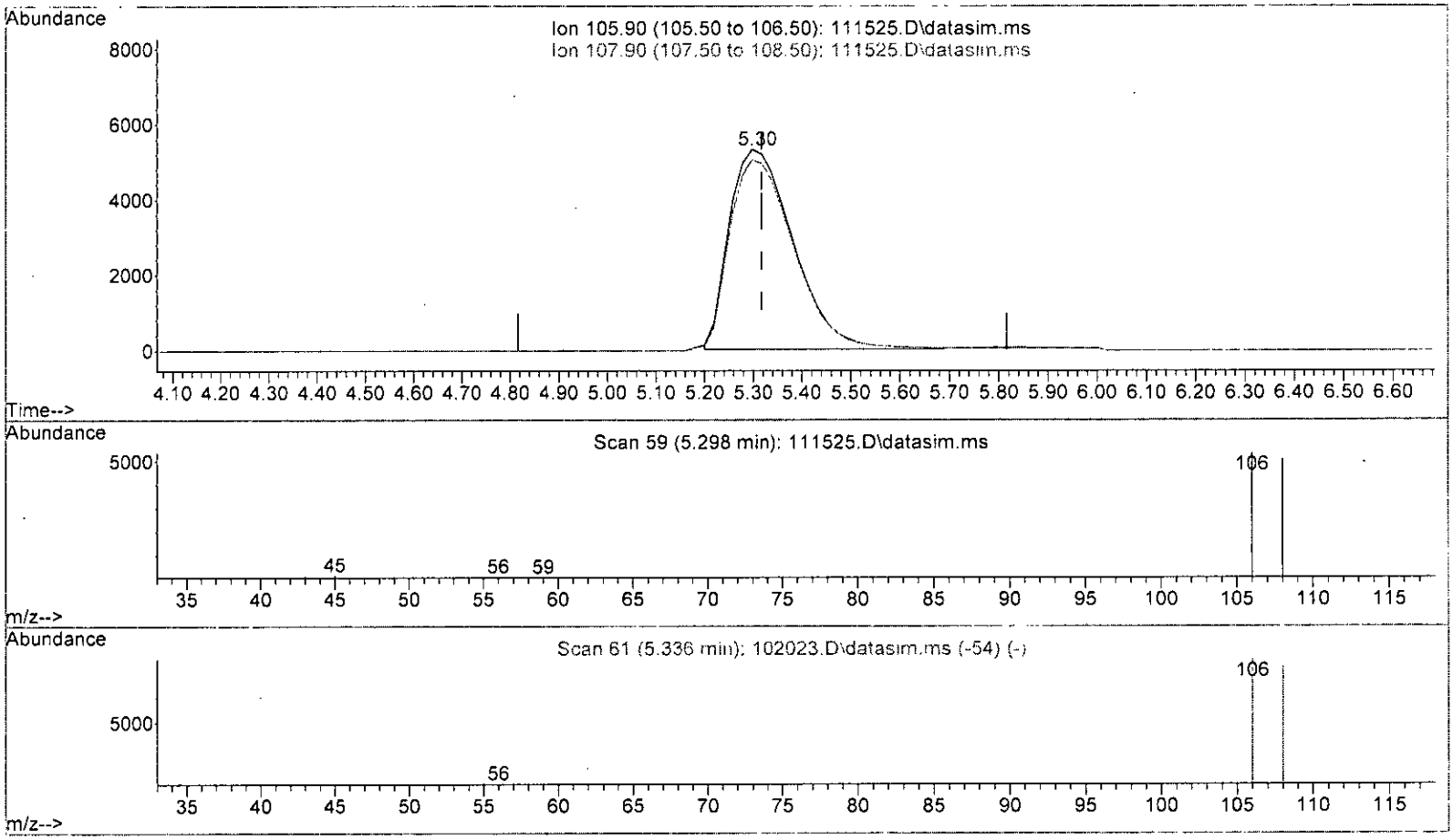
response 53420

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.86
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(11) Vinyl bromide (TMP)

5.298min (-0.019) 4.925 ppbv m

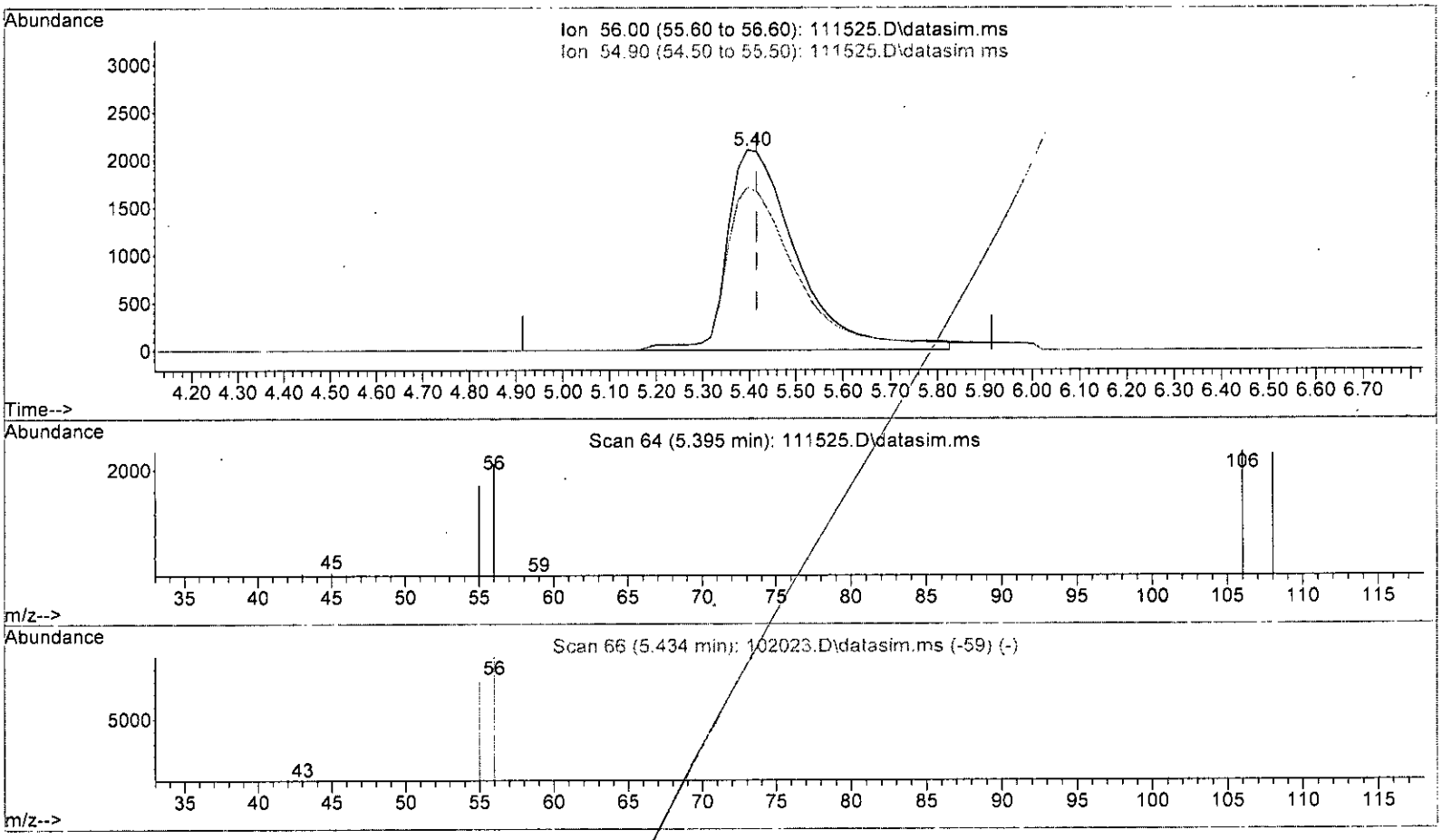
response 48337

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	104.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 5.182 ppbv

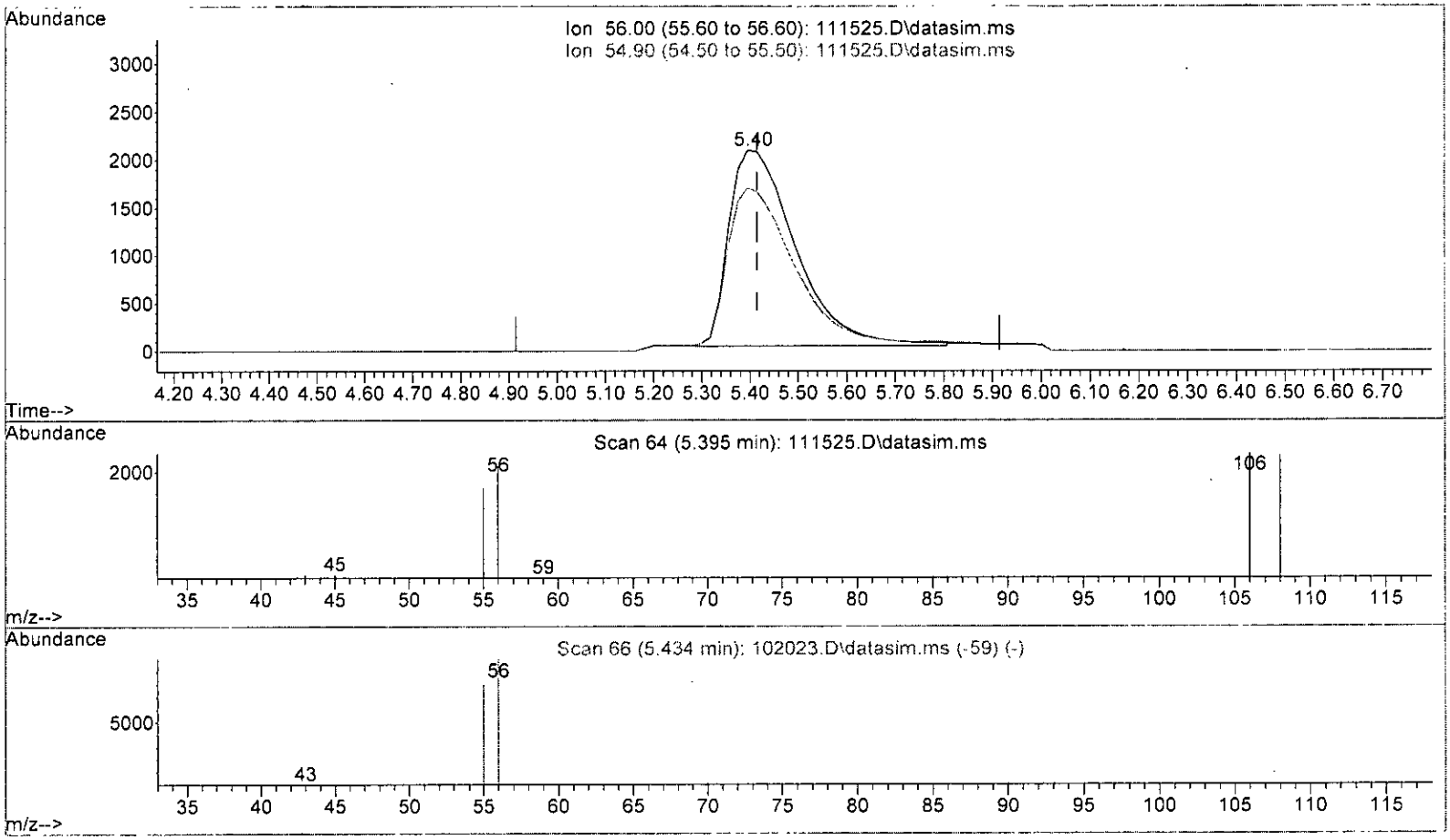
response 23034

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	70.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111525.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 4.427 ppbv m

response 19678

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	60983	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	276283	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	244337	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	182039	10.751	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	41138	5.122	ppbv		91
3) Dichlorodifluoromethane	3.49	85	123681	4.920	ppbv		99
4] Chloromethane	3.73	50	54199m	4.721	ppbv		
5) F-114	3.84	85	123062	4.785	ppbv		98
6] Vinyl chloride	4.09	62	52067	4.614	ppbv		98
7] 1,3-Butadiene	4.25	54	34424	4.642	ppbv	#	93
8) Butane	4.32	43	67886	5.100	ppbv		99
9) Bromomethane	4.60	94	50664	4.498	ppbv		99
10] Chloroethane	4.84	64	19668m	4.928	ppbv		
11] Vinyl bromide	5.30	106	48337m	4.925	ppbv		
12) Ethanol	4.96	45	17741	4.387	ppbv		96
13] Acrolein	5.40	56	19678m	4.427	ppbv		
14) Pentane	6.25	43	73820	4.919	ppbv		98
15) Trichlorofluoromethane	5.84	101	143109	4.908	ppbv		97
16) Acetone	5.57	58	19212	4.434	ppbv	#	80
17) 2-Propanol	5.78	45	91063	4.823	ppbv		98
18] 1,1-Dichloroethene	6.63	96	45669	4.552	ppbv		98
19] trans-1,2-Dichloroethene	8.10	96	45685	4.688	ppbv	#	69
20) Methylene chloride	6.80	84	45366	5.030	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	83643	5.141	ppbv	#	78
22) 3-Chloropropene	6.94	41	66905	5.336	ppbv		99
23) CFC-113	7.15	101	102655	4.852	ppbv		97
24) Carbon disulfide	7.28	76	162349	5.153	ppbv		96
25) Methyl t-butyl ether (...	8.41	73	102603	4.900	ppbv		96
26) Vinyl acetate	8.54	43	121623	5.247	ppbv		97
27] 1,1-Dichloroethane	8.36	63	98087	4.812	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	48427	4.699	ppbv		97
29) Hexane	10.01	57	62850	4.983	ppbv		92
30] Chloroform	10.08	83	113492	4.923	ppbv		96
31) Ethyl acetate	9.92	43	117638	5.092	ppbv		99
32) Tetrahydrofuran	10.74	42	53194	4.821	ppbv		100
33) 2-Butanone (MEK)	8.88	72	19398	5.140	ppbv	#	93
34] 1,2-Dichloroethane (EDC)	11.34	62	76451	4.958	ppbv		100
35] 1,1,1-Trichloroethane	11.81	97	102962	5.050	ppbv		98
36] Carbon tetrachloride	12.86	117	106309	4.949	ppbv		97
37] Benzene	12.61	78	153957	4.914	ppbv		95
38) Cyclohexane	13.07	84	40106	4.811	ppbv		97
40] 1,2-Dichloropropane	13.80	63	72152	4.823	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

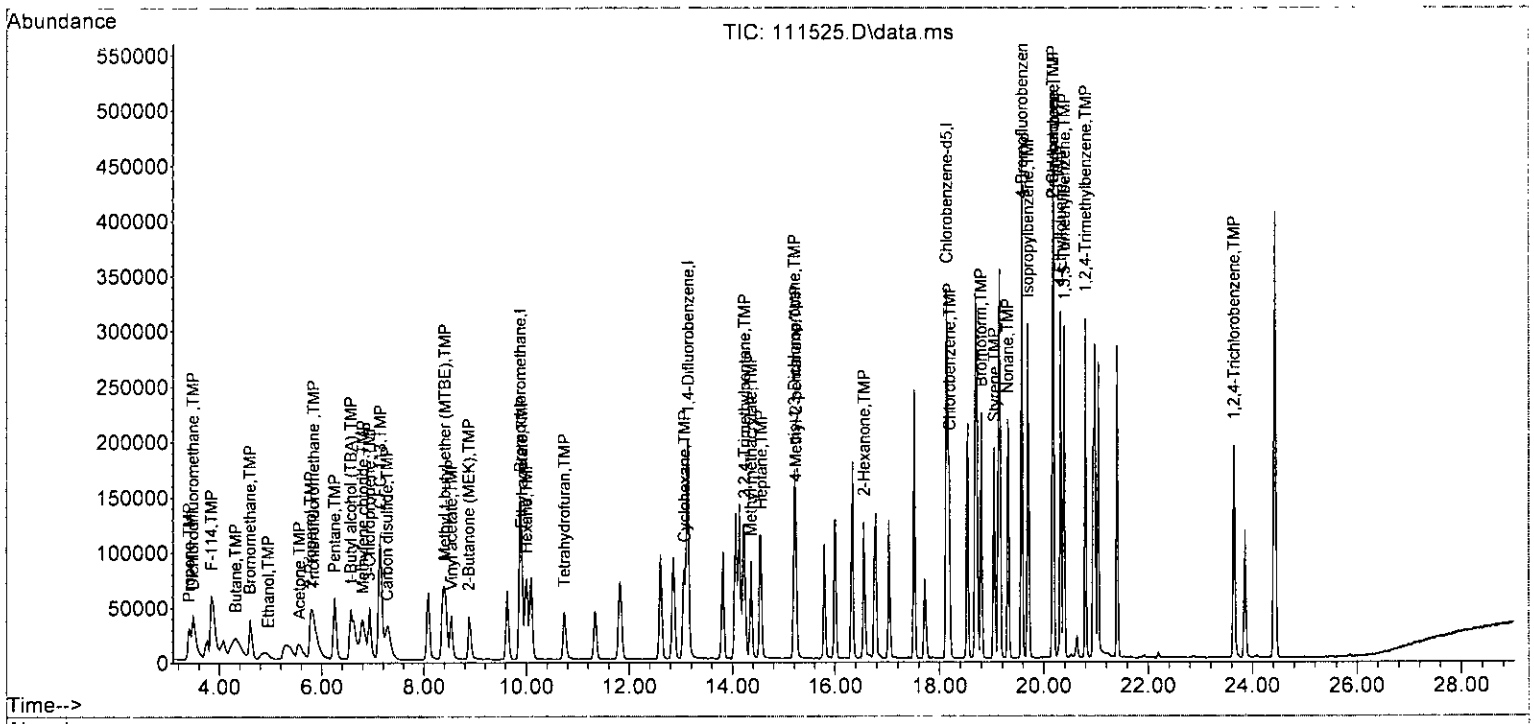
Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

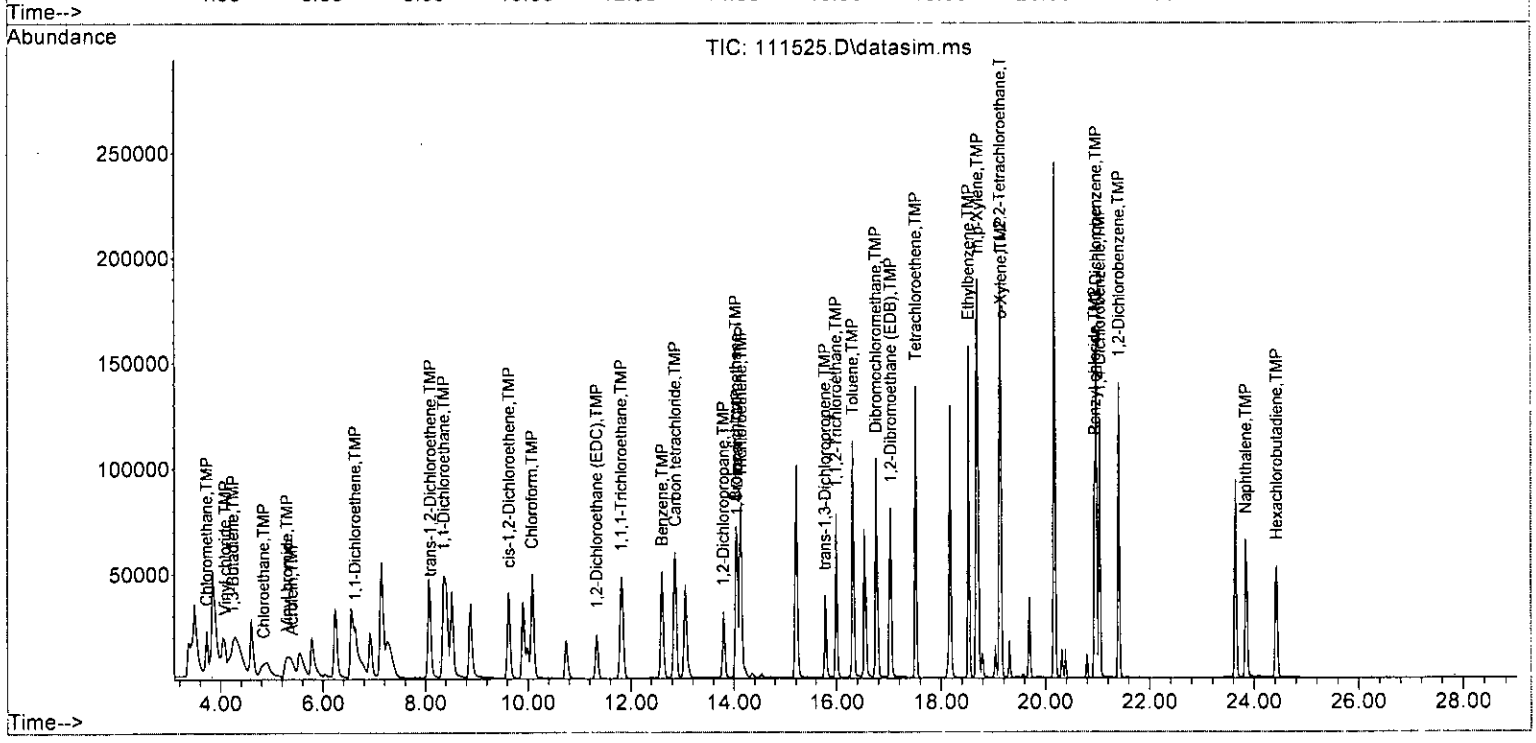
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	30557	4.803	ppbv		88
42) 2,2,4-Trimethylpentane	14.24	57	224195	5.077	ppbv		96
43) Methyl methacrylate	14.36	41	66849	4.986	ppbv		97
44) Heptane	14.56	43	95586	5.215	ppbv		99
45] Bromodichloromethane	14.04	83	119739	5.101	ppbv		99
46] Trichloroethene	14.14	95	75582	4.612	ppbv		91
47) cis-1,3-Dichloropropene	15.20	75	89766	5.427	ppbv		97
48) 4-Methyl-2-pentanone	15.23	100	6253	5.114	ppbv	#	96
49] trans-1,3-Dichloropropene	15.78	75	81515	5.239	ppbv		84
50] Toluene	16.31	92	96765	4.954	ppbv		95
51] 1,1,2-Trichloroethane	16.00	83	70313	5.048	ppbv		91
52) 2-Hexanone	16.56	43	122607	5.244	ppbv		95
53] Tetrachloroethene	17.52	164	71945	5.316	ppbv		92
54] Dibromochloromethane	16.76	129	121070	5.091	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	104659	5.086	ppbv		100
57) Chlorobenzene	18.19	112	133240	4.954	ppbv		97
58] Ethylbenzene	18.53	91	222923	5.156	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	161620	5.092	ppbv		92
60) Nonane	19.30	43	132738	5.540	ppbv		100
61) Isopropylbenzene	19.70	105	232200	5.303	ppbv		100
62) 2-Chlorotoluene	20.17	126	58276	5.324	ppbv		89
63) Propylbenzene	20.17	91	449296	5.586	ppbv		98
64) 4-Ethyltoluene	20.32	105	214541	5.449	ppbv		100
65] m,p-Xylene	18.70	106	162637	10.511	ppbv		95
66] o-Xylene	19.15	106	78349	5.216	ppbv		98
67) Styrene	19.05	104	107940	5.394	ppbv		98
68) Bromoform	18.80	173	127834	5.087	ppbv		100
70] Benzyl chloride	20.95	91	157683	5.383	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	199336	5.626	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	178302	5.189	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	135650	5.486	ppbv		98
74] 1,4-Dichlorobenzene	21.05	146	126517	5.469	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	135159	5.401	ppbv		93
76) 1,2,4-Trichlorobenzene	23.64	180	94340	5.395	ppbv		99
77] Naphthalene	23.84	128	141473	5.351	ppbv		99
78] Hexachlorobutadiene	24.44	225	129729	5.083	ppbv		100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
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InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	5.000	5.122	-2.4	100	0.00
3	TMP	Dichlorodifluoromethane	5.000	4.920	1.6	100	0.00
4	TMP	Chloromethane	5.000	4.721	5.6	100	0.00
5	TMP	F-114	5.000	4.785	4.3	100	-0.04
6	TMP	Vinyl chloride	5.000	4.614	7.7	100	0.00
7	TMP	1,3-Butadiene	5.000	4.642	7.2	100	-0.04
8	TMP	Butane	5.000	5.100	-2.0	101	0.00
9	TMP	Bromomethane	5.000	4.498	10.0	100	0.00
10	TMP	Chloroethane	5.000	4.928	1.4	101	0.00
11	TMP	Vinyl bromide	5.000	4.925	1.5	102	-0.02
12	TMP	Ethanol	5.000	4.387	12.3	100	0.00
13	TMP	Acrolein	5.000	4.427	11.5	101	-0.02
14	TMP	Pentane	5.000	4.919	1.6	100	0.00
15	TMP	Trichlorofluoromethane	5.000	4.908	1.8	99	0.00
16	TMP	Acetone	5.000	4.434	11.3	100	0.00
17	TMP	2-Propanol	5.000	4.823	3.5	99	0.00
18	TMP	1,1-Dichloroethene	5.000	4.552	9.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	5.000	4.688	6.2	100	0.00
20	TMP	Methylene chloride	5.000	5.030	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	5.000	5.141	-2.8	100	0.00
22	TMP	3-Chloropropene	5.000	5.336	-6.7	100	0.00
23	TMP	CFC-113	5.000	4.852	3.0	100	0.00
24	TMP	Carbon disulfide	5.000	5.153	-3.1	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	5.000	4.900	2.0	100	-0.03
26	TMP	Vinyl acetate	5.000	5.247	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	5.000	4.812	3.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	5.000	4.699	6.0	100	0.00
29	TMP	Hexane	5.000	4.983	0.3	100	0.00
30	TMP	Chloroform	5.000	4.923	1.5	100	-0.02
31	TMP	Ethyl acetate	5.000	5.092	-1.8	100	0.00
32	TMP	Tetrahydrofuran	5.000	4.821	3.6	100	0.00
33	TMP	2-Butanone (MEK)	5.000	5.140	-2.8	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	5.000	4.958	0.8	100	0.00
35	TMP	1,1,1-Trichloroethane	5.000	5.050	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	5.000	4.949	1.0	100	0.00
37	TMP	Benzene	5.000	4.914	1.7	100	0.00
38	TMP	Cyclohexane	5.000	4.811	3.8	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	5.000	4.823	3.5	100	0.00
41	TMP	1,4-Dioxane	5.000	4.803	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	5.000	5.077	-1.5	100	0.00
43	TMP	Methyl methacrylate	5.000	4.986	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	5.000	5.215	-4.3	100	0.00
45	TMP	Bromodichloromethane	5.000	5.101	-2.0	100	0.00
46	TMP	Trichloroethene	5.000	4.612	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	5.000	5.427	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	5.000	5.114	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	5.000	5.239	-4.8	100	0.00
50	TMP	Toluene	5.000	4.954	0.9	100	0.00
51	TMP	1,1,2-Trichloroethane	5.000	5.048	-1.0	100	0.00
52	TMP	2-Hexanone	5.000	5.244	-4.9	100	0.00
53	TMP	Tetrachloroethene	5.000	5.316	-6.3	100	0.00
54	TMP	Dibromochloromethane	5.000	5.091	-1.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	5.000	5.086	-1.7	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	5.000	4.954	0.9	100	0.00
58	TMP	Ethylbenzene	5.000	5.156	-3.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	5.000	5.092	-1.8	100	0.00
60	TMP	Nonane	5.000	5.540	-10.8	100	0.00
61	TMP	Isopropylbenzene	5.000	5.303	-6.1	100	0.00
62	TMP	2-Chlorotoluene	5.000	5.324	-6.5	100	0.00
63	TMP	Propylbenzene	5.000	5.586	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	5.000	5.449	-9.0	100	0.00
65	TMP	m,p-Xylene	10.000	10.511	-5.1	100	0.00
66	TMP	o-Xylene	5.000	5.216	-4.3	100	0.00
67	TMP	Styrene	5.000	5.394	-7.9	100	0.00
68	TMP	Bromoform	5.000	5.087	-1.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.751	-7.5	100	0.00
70	TMP	Benzyl chloride	5.000	5.383	-7.7	101	0.00
71	TMP	1,3,5-Trimethylbenzene	5.000	5.626	-12.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	5.000	5.189	-3.8	100	0.00
73	TMP	1,3-Dichlorobenzene	5.000	5.486	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	5.000	5.469	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	5.000	5.401	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	5.000	5.395	-7.9	100	0.00
77	TMP	Naphthalene	5.000	5.351	-7.0	100	0.00
78	TMP	Hexachlorobutadiene	5.000	5.083	-1.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.349	13.3	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.056	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.778	5.5	100	0.00
5	TMP	F-114	4.217	4.036	4.3	100	-0.04
6	TMP	Vinyl chloride	1.851	1.708	7.7	100	0.00
7	TMP	1,3-Butadiene	1.216	1.129	7.2	100	-0.04
8	TMP	Butane	2.183	2.226	-2.0	101	0.00
9	TMP	Bromomethane	1.847	1.662	10.0	100	0.00
10	TMP	Chloroethane	0.655	0.645	1.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.585	1.5	102	-0.02
12	TMP	Ethanol	0.663	0.582	12.2	100	0.00
13	TMP	Acrolein	0.729	0.645	11.5	101	-0.02
14	TMP	Pentane	2.461	2.421	1.6	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.693	1.8	99	0.00
16	TMP	Acetone	0.710	0.630	11.3	100	0.00
17	TMP	2-Propanol	3.096	2.987	3.5	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.498	8.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.498	6.3	100	0.00
20	TMP	Methylene chloride	1.479	1.488	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.743	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.194	-6.7	100	0.00
23	TMP	CFC-113	3.469	3.367	2.9	100	0.00
24	TMP	Carbon disulfide	5.167	5.324	-3.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.365	2.0	100	-0.03
26	TMP	Vinyl acetate	3.801	3.989	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.217	3.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.588	6.0	100	0.00
29	TMP	Hexane	2.068	2.061	0.3	100	0.00
30	TMP	Chloroform	4.060	3.722	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.858	-1.8	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.745	3.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.636	-2.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.507	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.377	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.487	1.0	100	0.00
37	TMP	Benzene	5.688	5.049	11.2	100	0.00
38	TMP	Cyclohexane	1.367	1.315	3.8	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.522	3.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.221	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.623	-1.6	100	0.00
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.692	-4.4	100	0.00
45	TMP	Bromodichloromethane	0.850	0.867	-2.0	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.650	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.590	-4.8	100	0.00
50	TMP	Toluene	0.707	0.700	1.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.509	7.5	100	0.00
52	TMP	2-Hexanone	0.846	0.888	-5.0	100	0.00
53	TMP	Tetrachloroethene	0.490	0.521	-6.3	100	0.00
54	TMP	Dibromochloromethane	0.861	0.876	-1.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.758	8.0	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.091	0.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.825	7.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.323	5.1	100	0.00
60	TMP	Nonane	0.981	1.087	-10.8	100	0.00
61	TMP	Isopropylbenzene	1.792	1.901	-6.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.477	-6.5	100	0.00
63	TMP	Propylbenzene	3.292	3.678	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.756	-9.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.666	-5.2	100	0.00
66	TMP	o-Xylene	0.615	0.641	-4.2	100	0.00
67	TMP	Styrene	0.819	0.884	-7.9	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.291	-30.8#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.632	-12.6	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.459	-17.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.110	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.036	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.106	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.772	-23.3	100	0.00
77	TMP	Naphthalene	1.132	1.158	-2.3	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.062	-1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.349	13.3	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.056	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.778	5.5	100	0.00
5	TMP	F-114	4.217	4.036	4.3	100	-0.04
6	TMP	Vinyl chloride	1.851	1.708	7.7	100	0.00
7	TMP	1,3-Butadiene	1.216	1.129	7.2	100	-0.04
8	TMP	Butane	2.183	2.226	-2.0	101	0.00
9	TMP	Bromomethane	1.847	1.662	10.0	100	0.00
10	TMP	Chloroethane	0.655	0.645	1.5	101	0.00
11	TMP	Vinyl bromide	1.609	1.585	1.5	102	-0.02
12	TMP	Ethanol	0.663	0.582	12.2	100	0.00
13	TMP	Acrolein	0.729	0.645	11.5	101	-0.02
14	TMP	Pentane	2.461	2.421	1.6	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.693	1.8	99	0.00
16	TMP	Acetone	0.710	0.630	11.3	100	0.00
17	TMP	2-Propanol	3.096	2.987	3.5	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.498	8.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.498	6.3	100	0.00
20	TMP	Methylene chloride	1.479	1.488	-0.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.743	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.194	-6.7	100	0.00
23	TMP	CFC-113	3.469	3.367	2.9	100	0.00
24	TMP	Carbon disulfide	5.167	5.324	-3.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.365	2.0	100	-0.03
26	TMP	Vinyl acetate	3.801	3.989	-4.9	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.217	3.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.588	6.0	100	0.00
29	TMP	Hexane	2.068	2.061	0.3	100	0.00
30	TMP	Chloroform	4.060	3.722	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.858	-1.8	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.745	3.5	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.636	-2.7	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.507	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.377	-1.0	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.487	1.0	100	0.00
37	TMP	Benzene	5.688	5.049	11.2	100	0.00
38	TMP	Cyclohexane	1.367	1.315	3.8	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.522	3.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.221	3.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.623	-1.6	100	0.00
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111525.D
Acq On : 16 Nov 2022 9:34 am
Operator : bat
Sample : 5.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 14:59:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

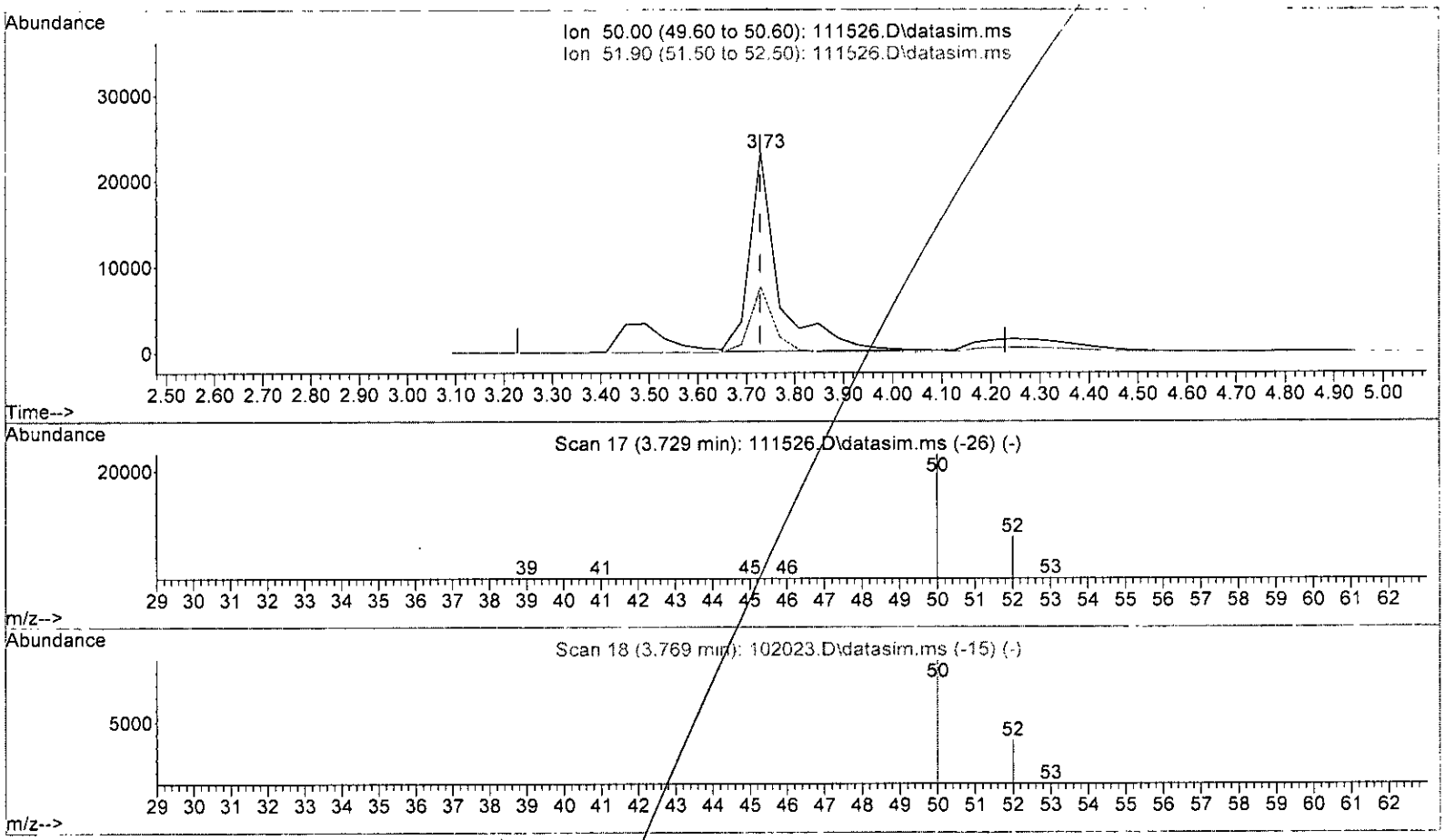
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.692	-4.4	100	0.00
45	TMP	Bromodichloromethane	0.850	0.867	-2.0	100	0.00
46	TMP	Trichloroethene	0.593	0.547	7.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.650	-8.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.590	-4.8	100	0.00
50	TMP	Toluene	0.707	0.700	1.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.509	7.5	100	0.00
52	TMP	2-Hexanone	0.846	0.888	-5.0	100	0.00
53	TMP	Tetrachloroethene	0.490	0.521	-6.3	100	0.00
54	TMP	Dibromochloromethane	0.861	0.876	-1.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.758	8.0	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.091	0.9	100	0.00
58	TMP	Ethylbenzene	1.968	1.825	7.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.323	5.1	100	0.00
60	TMP	Nonane	0.981	1.087	-10.8	100	0.00
61	TMP	Isopropylbenzene	1.792	1.901	-6.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.477	-6.5	100	0.00
63	TMP	Propylbenzene	3.292	3.678	-11.7	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.756	-9.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.666	-5.2	100	0.00
66	TMP	o-Xylene	0.615	0.641	-4.2	100	0.00
67	TMP	Styrene	0.819	0.884	-7.9	100	0.00
68	TMP	Bromoform	1.028	1.046	-1.8	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.745	-7.5	100	0.00
70	TMP	Benzyl chloride	0.987	1.291	-30.8#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.632	-12.6	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.459	-17.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.110	-9.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.036	-9.4	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.106	-8.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.772	-23.3	100	0.00
77	TMP	Naphthalene	1.132	1.158	-2.3	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.062	-1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 8.804 ppbv

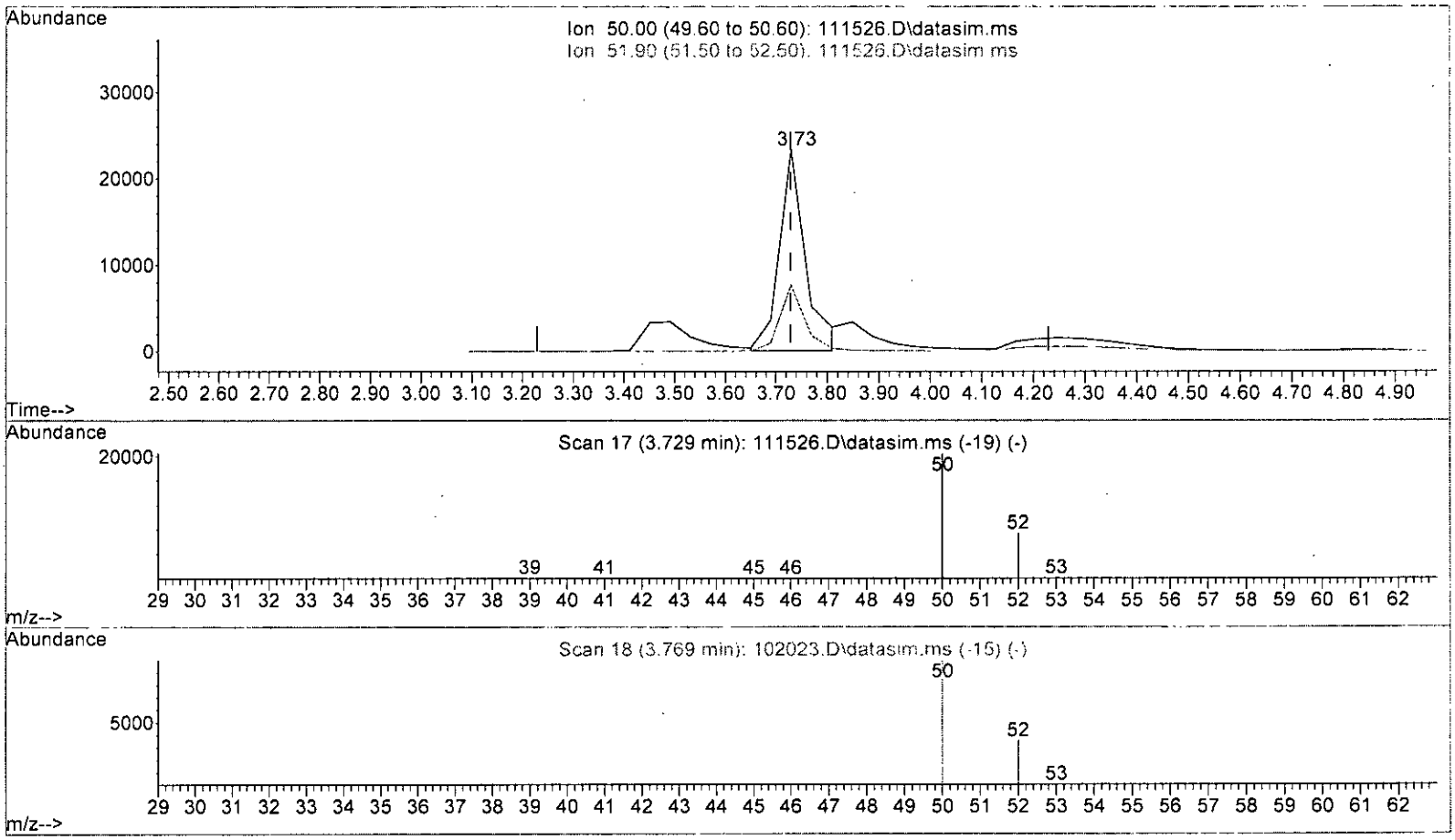
response 95954

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 7.590 ppbv m

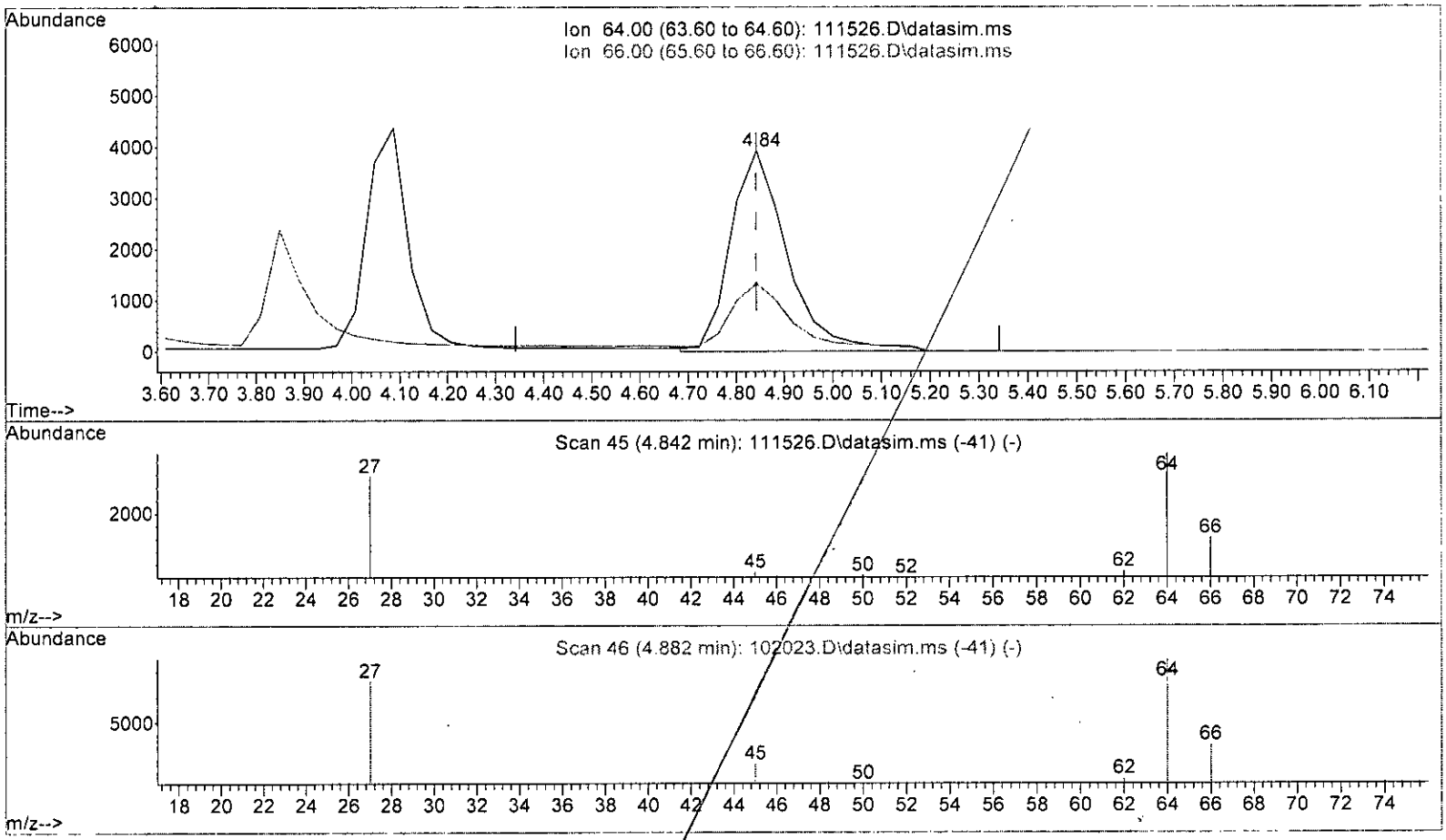
response 82724

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 8.117 ppbv

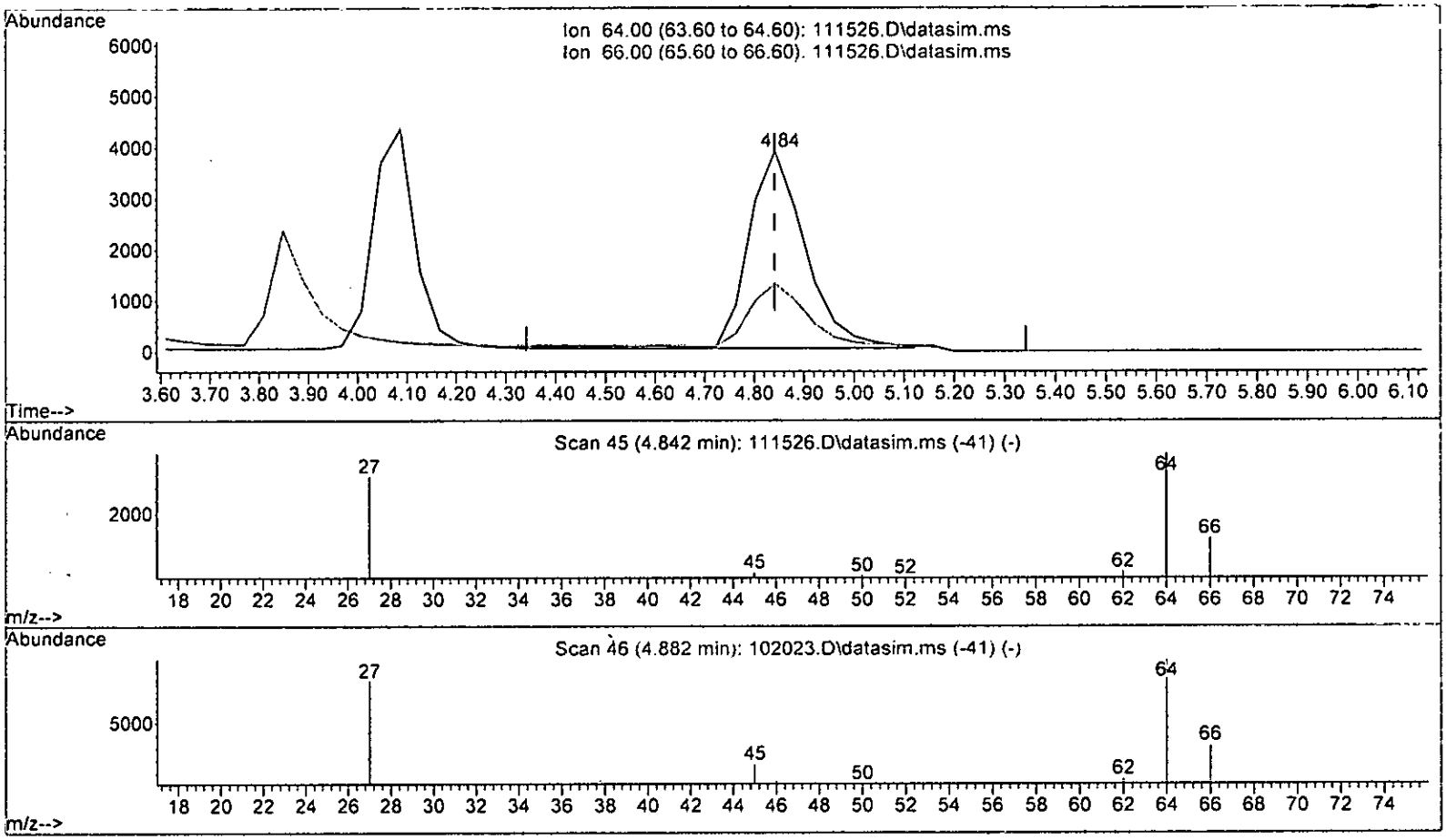
response 30758

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

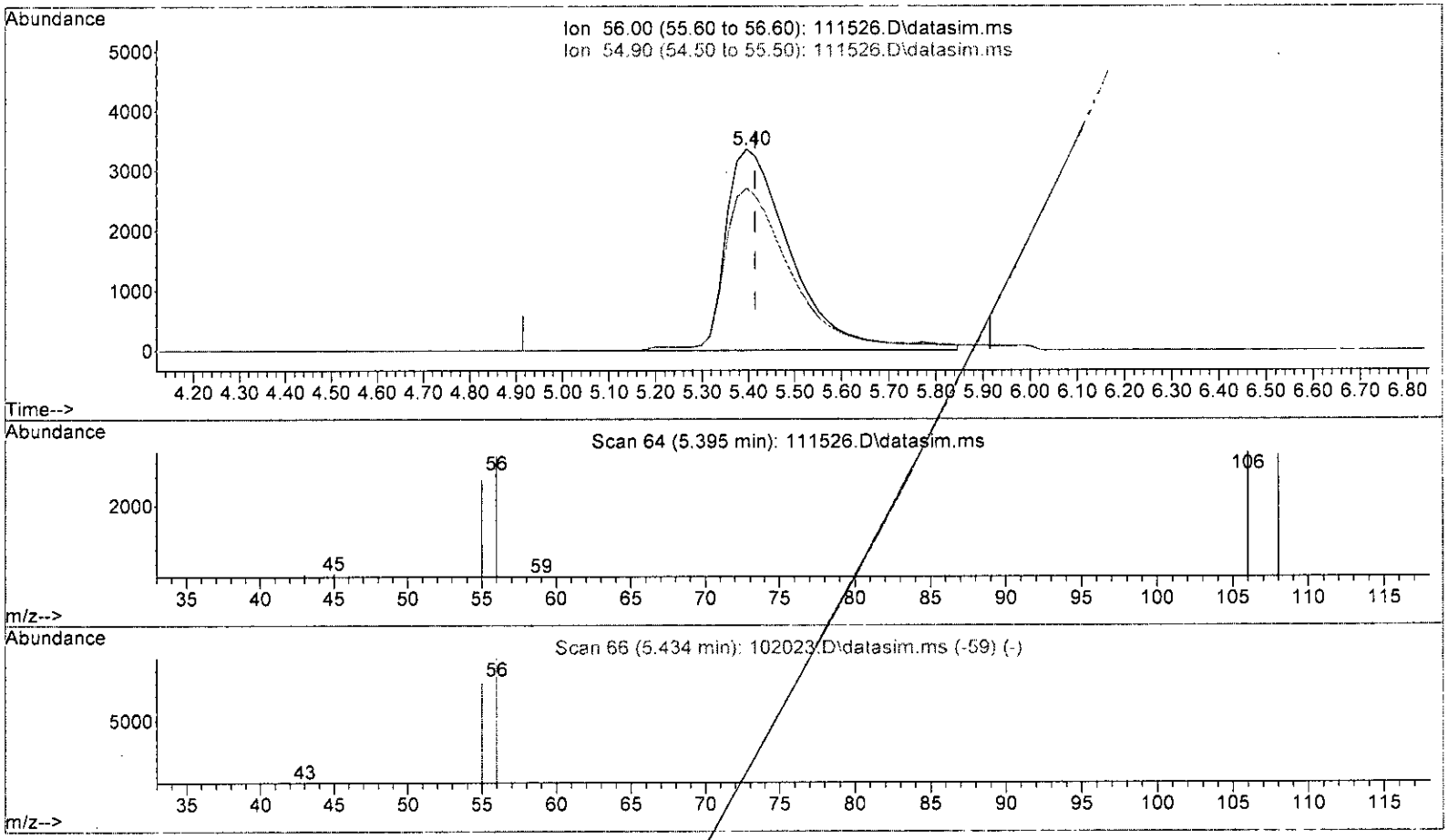
(10) Chloroethane (TMP)
4.842min (+ 0.000) 7.938 ppbv m
response 30082

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 8.220 ppbv

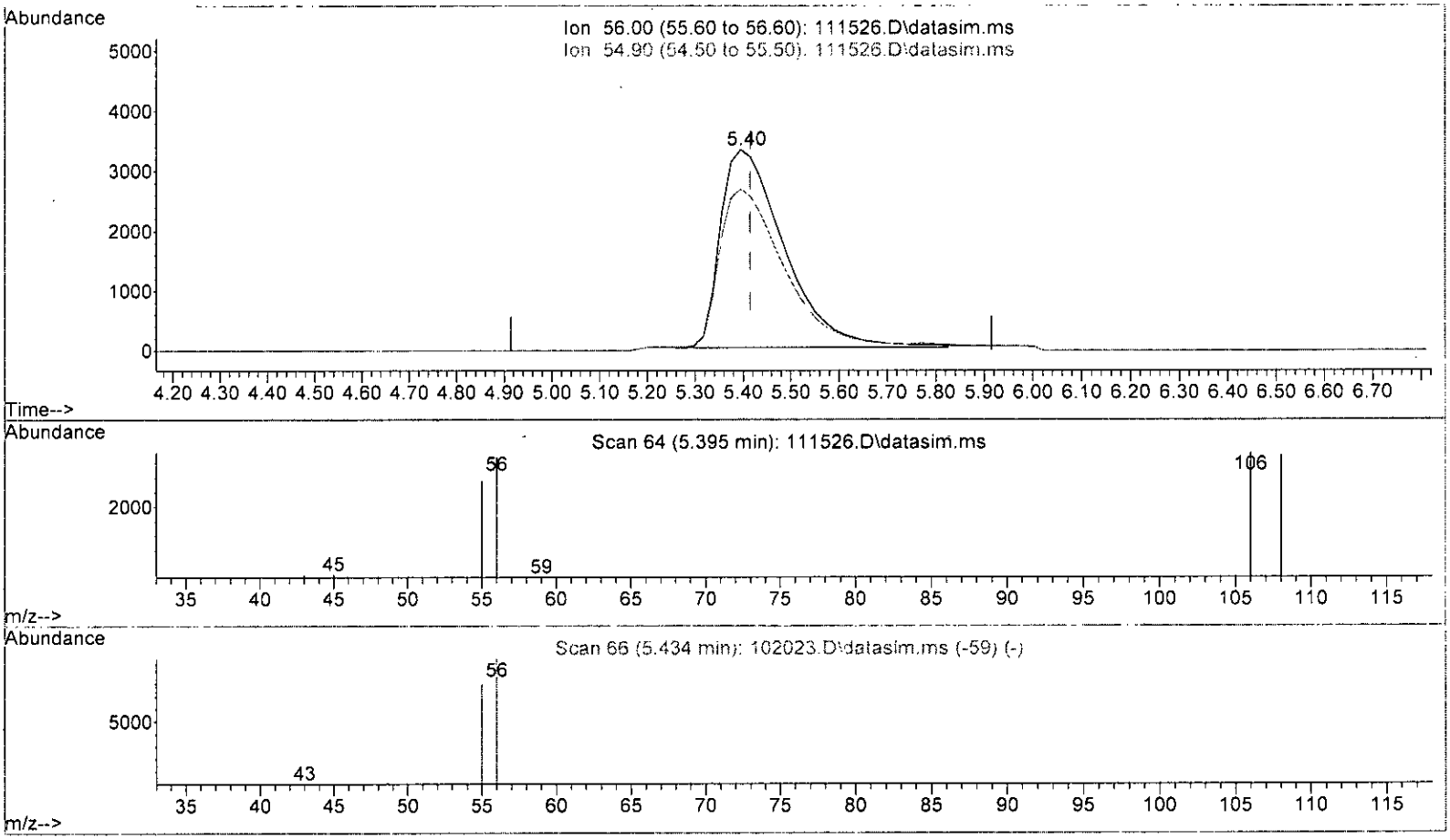
response 34689

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111526.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 7.257 ppbv m

response 30626

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	92.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	57898	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	276532	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	249716	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184609	10.668	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.70%				
Target Compounds							Qvalue
2) Propene	3.41	41	60607	7.880	ppbv		90
3) Dichlorodifluoromethane	3.49	85	194773	8.160	ppbv		99
4] Chloromethane	3.73	50	82724m	7.590	ppbv		
5) F-114	3.84	85	189665	7.768	ppbv		99
6] Vinyl chloride	4.09	62	80482	7.512	ppbv		98
7] 1,3-Butadiene	4.25	54	54000	7.670	ppbv	#	94
8) Butane	4.32	43	99785	7.896	ppbv		98
9) Bromomethane	4.60	94	78745	7.363	ppbv		100
10] Chloroethane	4.84	64	30082m	7.938	ppbv		
11] Vinyl bromide	5.30	106	81586	8.756	ppbv		99
12) Ethanol	4.92	45	27496	7.161	ppbv		99
13] Acrolein	5.40	56	30626m	7.257	ppbv		
14) Pentane	6.25	43	115932	8.137	ppbv		100
15) Trichlorofluoromethane	5.84	101	219943	7.945	ppbv		96
16) Acetone	5.53	58	29407	7.149	ppbv	#	82
17) 2-Propanol	5.78	45	145706	8.129	ppbv		98
18] 1,1-Dichloroethene	6.63	96	69577	7.304	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	70087	7.576	ppbv		87
20) Methylene chloride	6.80	84	67913	7.932	ppbv		97
21) t-Butyl alcohol (TBA)	6.57	59	126997	8.222	ppbv	#	78
22) 3-Chloropropene	6.94	41	100017	8.401	ppbv		98
23) CFC-113	7.15	101	156633	7.798	ppbv		99
24) Carbon disulfide	7.25	76	242981	8.122	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	162580	8.178	ppbv		98
26) Vinyl acetate	8.54	43	191921	8.721	ppbv		99
27] 1,1-Dichloroethane	8.36	63	149826	7.742	ppbv		100
28] cis-1,2-Dichloroethene	9.64	96	74328	7.596	ppbv		95
29) Hexane	10.01	57	102225	8.537	ppbv		100
30] Chloroform	10.08	83	172350	8.045	ppbv		97
31) Ethyl acetate	9.92	43	181174	8.260	ppbv		99
32) Tetrahydrofuran	10.73	42	82156	7.842	ppbv		100
33) 2-Butanone (MEK)	8.88	72	28610	7.984	ppbv	#	93
34] 1,2-Dichloroethane (EDC)	11.34	62	116150	8.064	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	155431	8.029	ppbv		98
36] Carbon tetrachloride	12.86	117	162195	7.953	ppbv		97
37] Benzene	12.61	78	236754	8.082	ppbv		94
38) Cyclohexane	13.07	84	62880	7.945	ppbv		99
40] 1,2-Dichloropropane	13.80	63	110626	7.389	ppbv		99

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

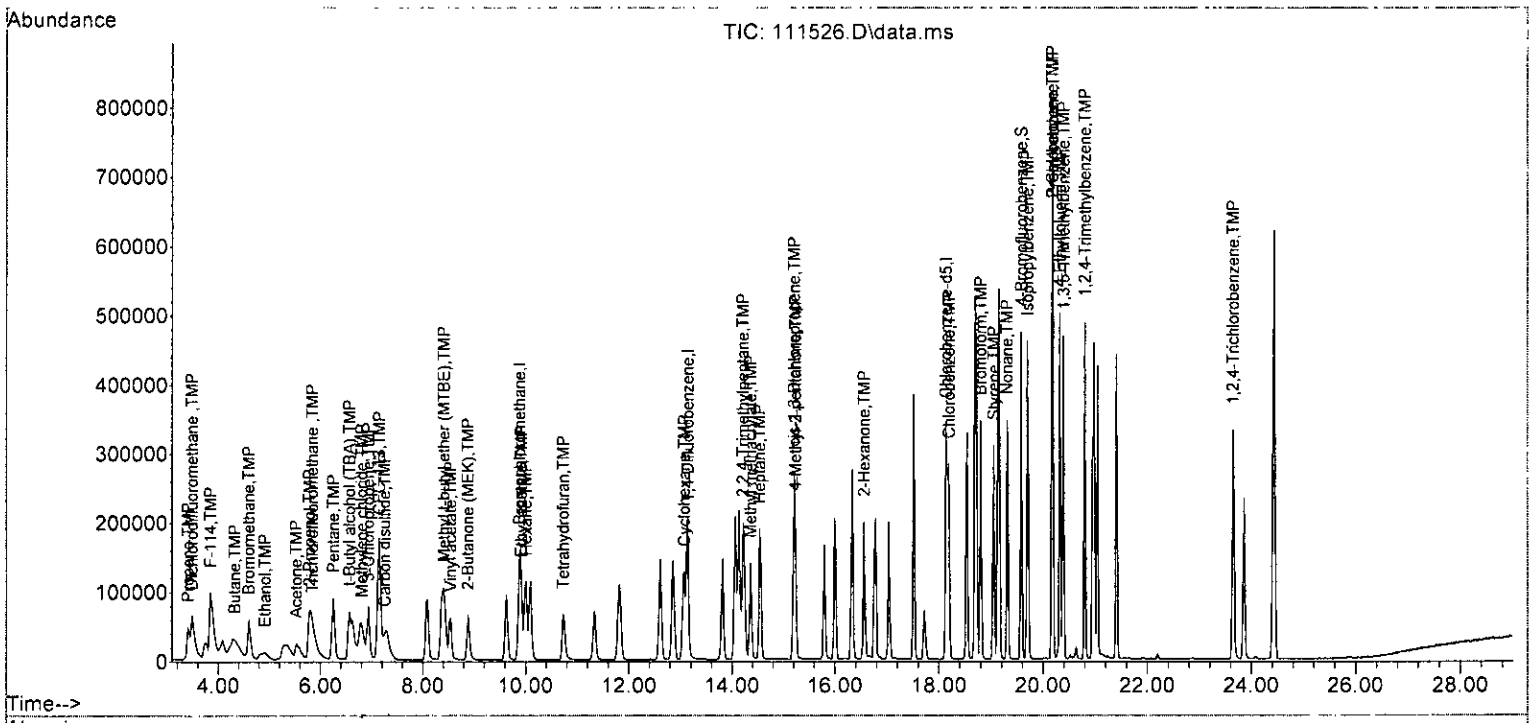
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	47661	7.485	ppbv		96
42) 2,2,4-Trimethylpentane	14.21	57	352715	7.980	ppbv		95
43) Methyl methacrylate	14.36	41	106611	7.945	ppbv		99
44) Heptane	14.53	43	148087	8.072	ppbv		99
45] Bromodichloromethane	14.04	83	182777	7.780	ppbv		98
46] Trichloroethene	14.14	95	114292	6.968	ppbv		89
47) cis-1,3-Dichloropropene	15.20	75	136023	8.216	ppbv		99
48) 4-Methyl-2-pentanone	15.23	100	10309	8.424	ppbv	#	91
49] trans-1,3-Dichloropropene	15.78	75	128251	8.236	ppbv		84
50] Toluene	16.31	92	149046	7.623	ppbv		94
51] 1,1,2-Trichloroethane	16.00	83	107175	7.887	ppbv		90
52) 2-Hexanone	16.56	43	190304	8.132	ppbv		100
53] Tetrachloroethene	17.52	164	99097	7.316	ppbv		94
54] Dibromochloromethane	16.76	129	186526	7.836	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	158882	7.885	ppbv		100
57) Chlorobenzene	18.19	112	206369	7.507	ppbv		99
58] Ethylbenzene	18.53	91	346285	7.913	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	247900	7.830	ppbv		91
60) Nonane	19.30	43	213529	8.720	ppbv		99
61) Isopropylbenzene	19.70	105	357839	7.997	ppbv		99
62) 2-Chlorotoluene	20.17	126	88909	7.947	ppbv		96
63) Propylbenzene	20.17	91	708723	8.621	ppbv		100
64) 4-Ethyltoluene	20.32	105	344349	8.558	ppbv		100
65] m,p-Xylene	18.70	106	254241	16.077	ppbv		94
66] o-Xylene	19.15	106	121142	7.891	ppbv		97
67) Styrene	19.05	104	175394	8.577	ppbv		99
68) Bromoform	18.80	173	197351	7.685	ppbv		99
70] Benzyl chloride	20.95	91	255045	8.233	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	311808	8.612	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	292011	8.027	ppbv		99
73] 1,3-Dichlorobenzene	20.98	146	212478	8.409	ppbv		97
74] 1,4-Dichlorobenzene	21.05	146	200868	8.495	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	211087	8.253	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	162307	8.193	ppbv		97
77] Naphthalene	23.84	128	279810	8.318	ppbv		99
78] Hexachlorobutadiene	24.44	225	201399	7.721	ppbv		100

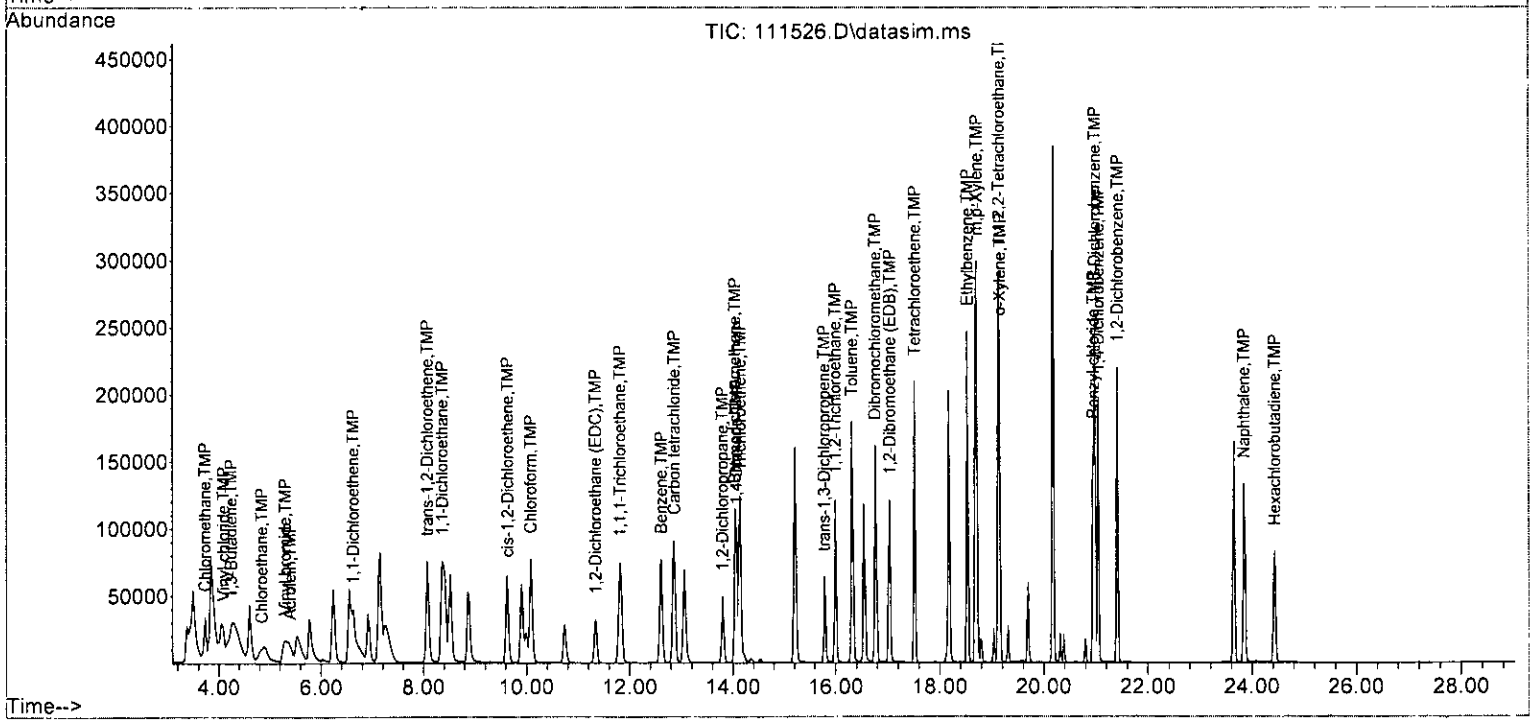
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	8.000	7.880	1.5	100	0.00
3	TMP	Dichlorodifluoromethane	8.000	8.160	-2.0	100	0.00
4	TMP	Chloromethane	8.000	7.590	5.1	100	0.00
5	TMP	F-114	8.000	7.768	2.9	101	-0.04
6	TMP	Vinyl chloride	8.000	7.512	6.1	100	0.00
7	TMP	1,3-Butadiene	8.000	7.670	4.1	100	-0.04
8	TMP	Butane	8.000	7.896	1.3	101	0.00
9	TMP	Bromomethane	8.000	7.363	8.0	100	0.00
10	TMP	Chloroethane	8.000	7.938	0.8	101	0.00
11	TMP	Vinyl bromide	8.000	8.756	-9.5	100	-0.02
12	TMP	Ethanol	8.000	7.161	10.5	100	-0.04
13	TMP	Acrolein	8.000	7.257	9.3	102	-0.02
14	TMP	Pentane	8.000	8.137	-1.7	100	0.00
15	TMP	Trichlorofluoromethane	8.000	7.945	0.7	100	0.00
16	TMP	Acetone	8.000	7.149	10.6	100	-0.04
17	TMP	2-Propanol	8.000	8.129	-1.6	98	0.00
18	TMP	1,1-Dichloroethene	8.000	7.304	8.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	8.000	7.576	5.3	100	-0.03
20	TMP	Methylene chloride	8.000	7.932	0.8	100	0.00
21	TMP	t-Butyl alcohol (TBA)	8.000	8.222	-2.8	100	0.00
22	TMP	3-Chloropropene	8.000	8.401	-5.0	100	0.00
23	TMP	CFC-113	8.000	7.798	2.5	100	0.00
24	TMP	Carbon disulfide	8.000	8.122	-1.5	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	8.000	8.178	-2.2	100	-0.03
26	TMP	Vinyl acetate	8.000	8.721	-9.0	100	0.00
27	TMP	1,1-Dichloroethane	8.000	7.742	3.2	100	0.00
28	TMP	cis-1,2-Dichloroethene	8.000	7.596	5.0	100	0.00
29	TMP	Hexane	8.000	8.537	-6.7	100	0.00
30	TMP	Chloroform	8.000	8.045	-0.6	100	-0.02
31	TMP	Ethyl acetate	8.000	8.260	-3.2	100	0.00
32	TMP	Tetrahydrofuran	8.000	7.842	2.0	100	-0.02
33	TMP	2-Butanone (MEK)	8.000	7.984	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	8.000	8.064	-0.8	100	0.00
35	TMP	1,1,1-Trichloroethane	8.000	8.029	-0.4	100	-0.01
36	TMP	Carbon tetrachloride	8.000	7.953	0.6	100	0.00
37	TMP	Benzene	8.000	8.082	-1.0	100	0.00
38	TMP	Cyclohexane	8.000	7.945	0.7	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	8.000	7.389	7.6	100	0.00
41	TMP	1,4-Dioxane	8.000	7.485	6.4	100	-0.02
42	TMP	2,2,4-Trimethylpentane	8.000	7.980	0.2	100	-0.02
43	TMP	Methyl methacrylate	8.000	7.945	0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	8.000	8.072	-0.9	100	-0.02
45	TMP	Bromodichloromethane	8.000	7.780	2.7	100	0.00
46	TMP	Trichloroethene	8.000	6.968	12.9	100	0.00
47	TMP	cis-1,3-Dichloropropene	8.000	8.216	-2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	8.000	8.424	-5.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	8.000	8.236	-3.0	100	0.00
50	TMP	Toluene	8.000	7.623	4.7	100	0.00
51	TMP	1,1,2-Trichloroethane	8.000	7.887	1.4	100	0.00
52	TMP	2-Hexanone	8.000	8.132	-1.6	100	0.00
53	TMP	Tetrachloroethene	8.000	7.316	8.6	100	0.00
54	TMP	Dibromochloromethane	8.000	7.836	2.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	8.000	7.885	1.4	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	8.000	7.507	6.2	100	0.00
58	TMP	Ethylbenzene	8.000	7.913	1.1	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	8.000	7.830	2.1	100	0.00
60	TMP	Nonane	8.000	8.720	-9.0	100	0.00
61	TMP	Isopropylbenzene	8.000	7.997	0.0	100	0.00
62	TMP	2-Chlorotoluene	8.000	7.947	0.7	100	0.00
63	TMP	Propylbenzene	8.000	8.621	-7.8	100	-0.01
64	TMP	4-Ethyltoluene	8.000	8.558	-7.0	100	0.00
65	TMP	m,p-Xylene	16.000	16.077	-0.5	100	0.00
66	TMP	o-Xylene	8.000	7.891	1.4	100	0.00
67	TMP	Styrene	8.000	8.577	-7.2	100	0.00
68	TMP	Bromoform	8.000	7.685	3.9	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.668	-6.7	100	0.00
70	TMP	Benzyl chloride	8.000	8.233	-2.9	101	0.00
71	TMP	1,3,5-Trimethylbenzene	8.000	8.612	-7.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	8.000	8.027	-0.3	100	0.00
73	TMP	1,3-Dichlorobenzene	8.000	8.409	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	8.000	8.495	-6.2	100	0.00
75	TMP	1,2-Dichlorobenzene	8.000	8.253	-3.2	100	0.00
76	TMP	1,2,4-Trichlorobenzene	8.000	8.193	-2.4	100	0.00
77	TMP	Naphthalene	8.000	8.318	-4.0	100	0.00
78	TMP	Hexachlorobutadiene	8.000	7.721	3.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.308	15.9	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.205	-2.0	100	0.00
4	TMP	Chloromethane	1.882	1.786	5.1	100	0.00
5	TMP	F-114	4.217	4.095	2.9	101	-0.04
6	TMP	Vinyl chloride	1.851	1.738	6.1	100	0.00
7	TMP	1,3-Butadiene	1.216	1.166	4.1	100	-0.04
8	TMP	Butane	2.183	2.154	1.3	101	0.00
9	TMP	Bromomethane	1.847	1.700	8.0	100	0.00
10	TMP	Chloroethane	0.655	0.649	0.9	101	0.00
11	TMP	Vinyl bromide	1.609	1.761	-9.4	100	-0.02
12	TMP	Ethanol	0.663	0.594	10.4	100	-0.04
13	TMP	Acrolein	0.729	0.661	9.3	102	-0.02
14	TMP	Pentane	2.461	2.503	-1.7	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.749	0.7	100	0.00
16	TMP	Acetone	0.710	0.635	10.6	100	-0.04
17	TMP	2-Propanol	3.096	3.146	-1.6	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.502	8.7	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.513	5.3	100	-0.03
20	TMP	Methylene chloride	1.479	1.466	0.9	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.742	-2.8	100	0.00
22	TMP	3-Chloropropene	2.056	2.159	-5.0	100	0.00
23	TMP	CFC-113	3.469	3.382	2.5	100	0.00
24	TMP	Carbon disulfide	5.167	5.246	-1.5	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.510	-2.2	100	-0.03
26	TMP	Vinyl acetate	3.801	4.144	-9.0	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.235	3.2	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.605	5.0	100	0.00
29	TMP	Hexane	2.068	2.207	-6.7	100	0.00
30	TMP	Chloroform	4.060	3.721	8.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.911	-3.2	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.774	1.9	100	-0.02
33	TMP	2-Butanone (MEK)	0.619	0.618	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.508	6.7	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.356	-0.4	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.502	0.6	100	0.00
37	TMP	Benzene	5.688	5.111	10.1	100	0.00
38	TMP	Cyclohexane	1.367	1.358	0.7	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.541	0.500	7.6	100	0.00
41	TMP	1,4-Dioxane	0.230	0.215	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.594	0.3	100	-0.02
43	TMP	Methyl methacrylate	0.485	0.482	0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111526.D
Acq On : 16 Nov 2022 10:10 am
Operator : bat
Sample : 8.0 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:10:39 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

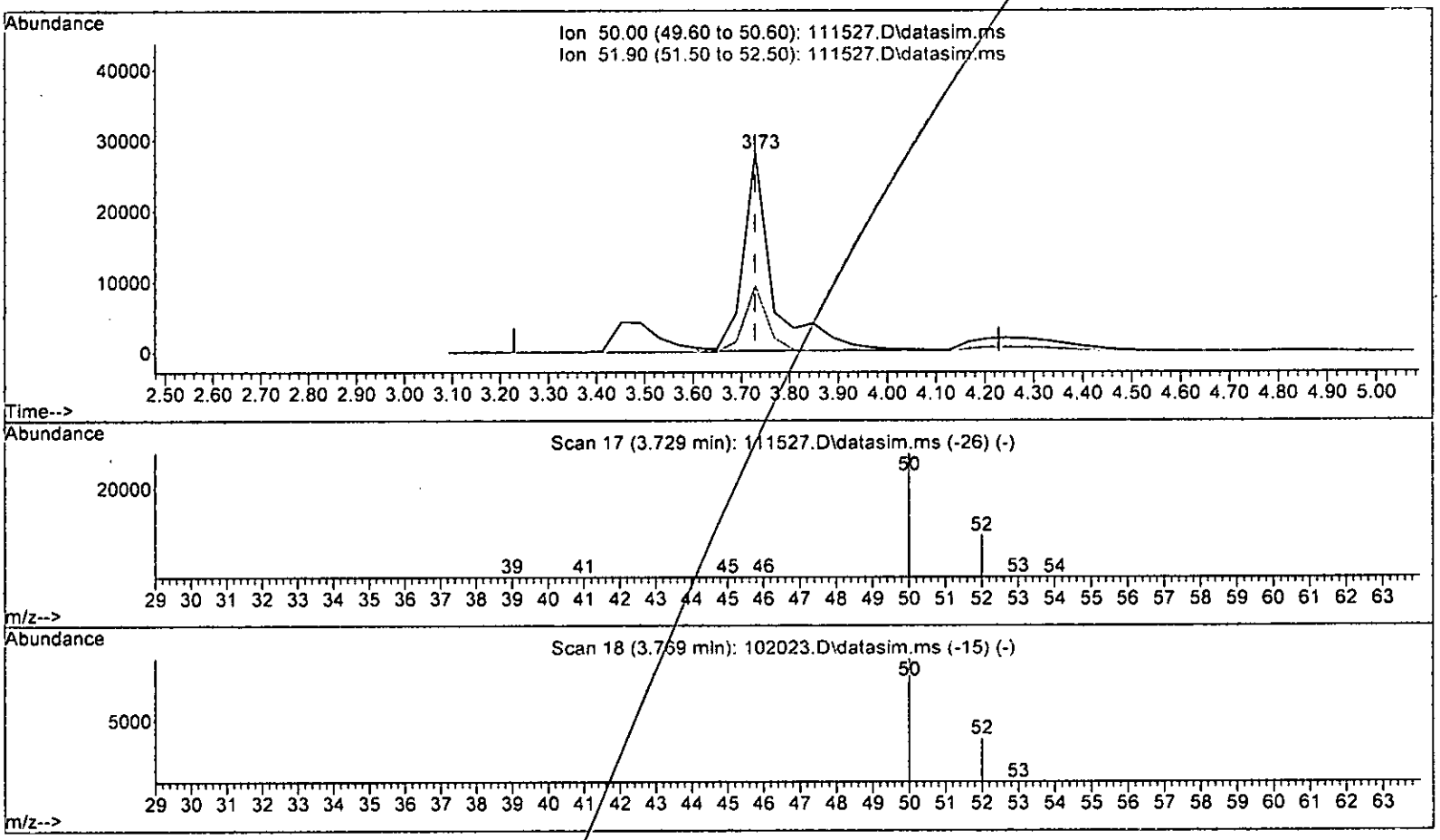
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.669	-0.9	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.826	2.8	100	0.00
46	TMP	Trichloroethene	0.593	0.517	12.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.615	-2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.047	-6.8	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.580	-3.0	100	0.00
50	TMP	Toluene	0.707	0.674	4.7	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.484	12.0	100	0.00
52	TMP	2-Hexanone	0.846	0.860	-1.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.448	8.6	100	0.00
54	TMP	Dibromochloromethane	0.861	0.843	2.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.718	12.9	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.033	6.2	100	0.00
58	TMP	Ethylbenzene	1.968	1.733	11.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.241	11.0	100	0.00
60	TMP	Nonane	0.981	1.069	-9.0	100	0.00
61	TMP	Isopropylbenzene	1.792	1.791	0.1	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.445	0.7	100	0.00
63	TMP	Propylbenzene	3.292	3.548	-7.8	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.724	-7.0	100	0.00
65	TMP	m,p-Xylene	0.633	0.636	-0.5	100	0.00
66	TMP	o-Xylene	0.615	0.606	1.5	100	0.00
67	TMP	Styrene	0.819	0.878	-7.2	100	0.00
68	TMP	Bromoform	1.028	0.988	3.9	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.739	-6.6	100	0.00
70	TMP	Benzyl chloride	0.987	1.277	-29.4	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.561	-7.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.462	-17.2	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.064	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.005	-6.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.057	-3.2	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.812	-29.7	100	0.00
77	TMP	Naphthalene	1.132	1.401	-23.8	100	0.00
78	TMP	Hexachlorobutadiene	1.045	1.008	3.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 10.787 ppbv

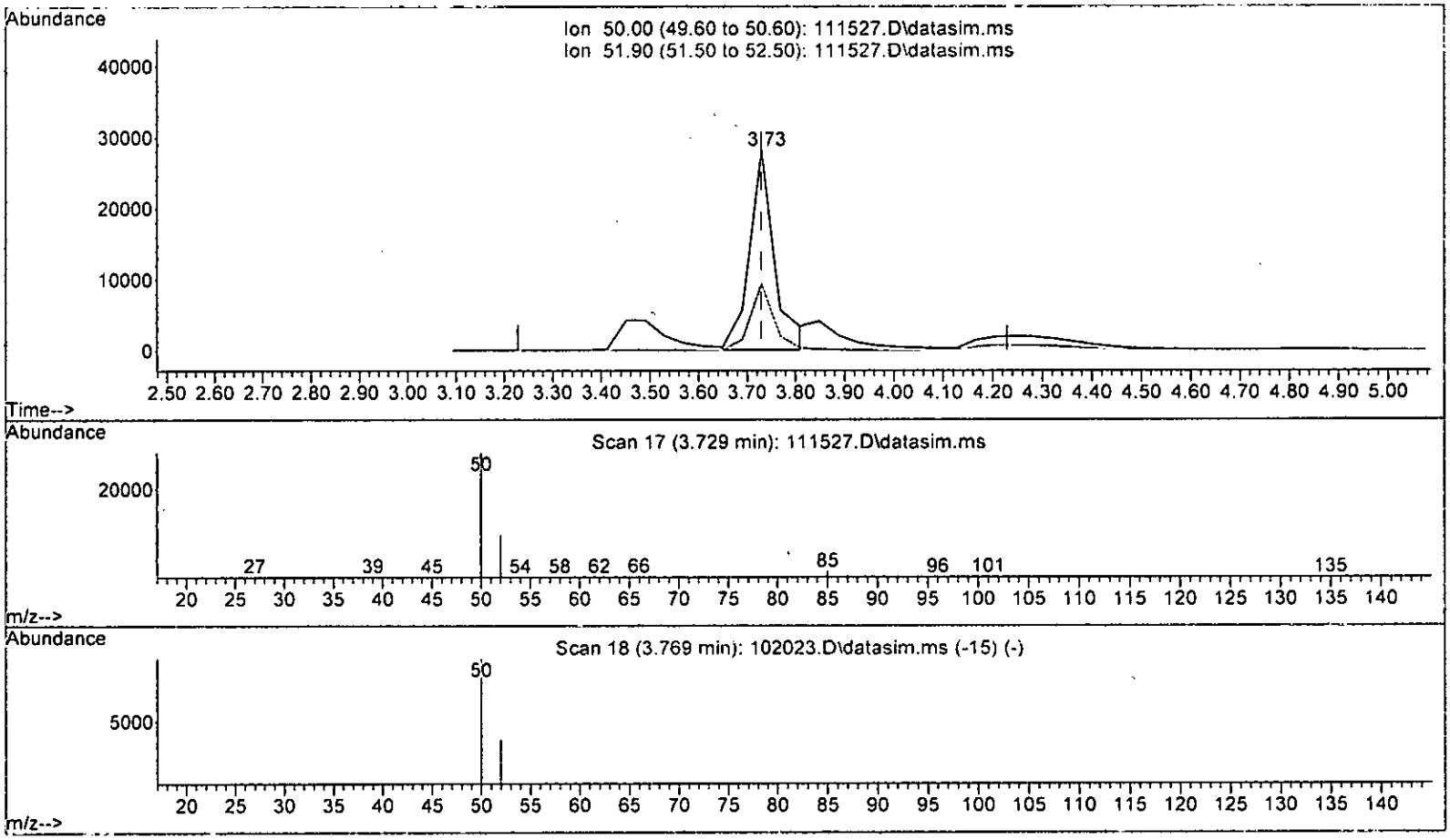
response 118499

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 9.259 ppbv m

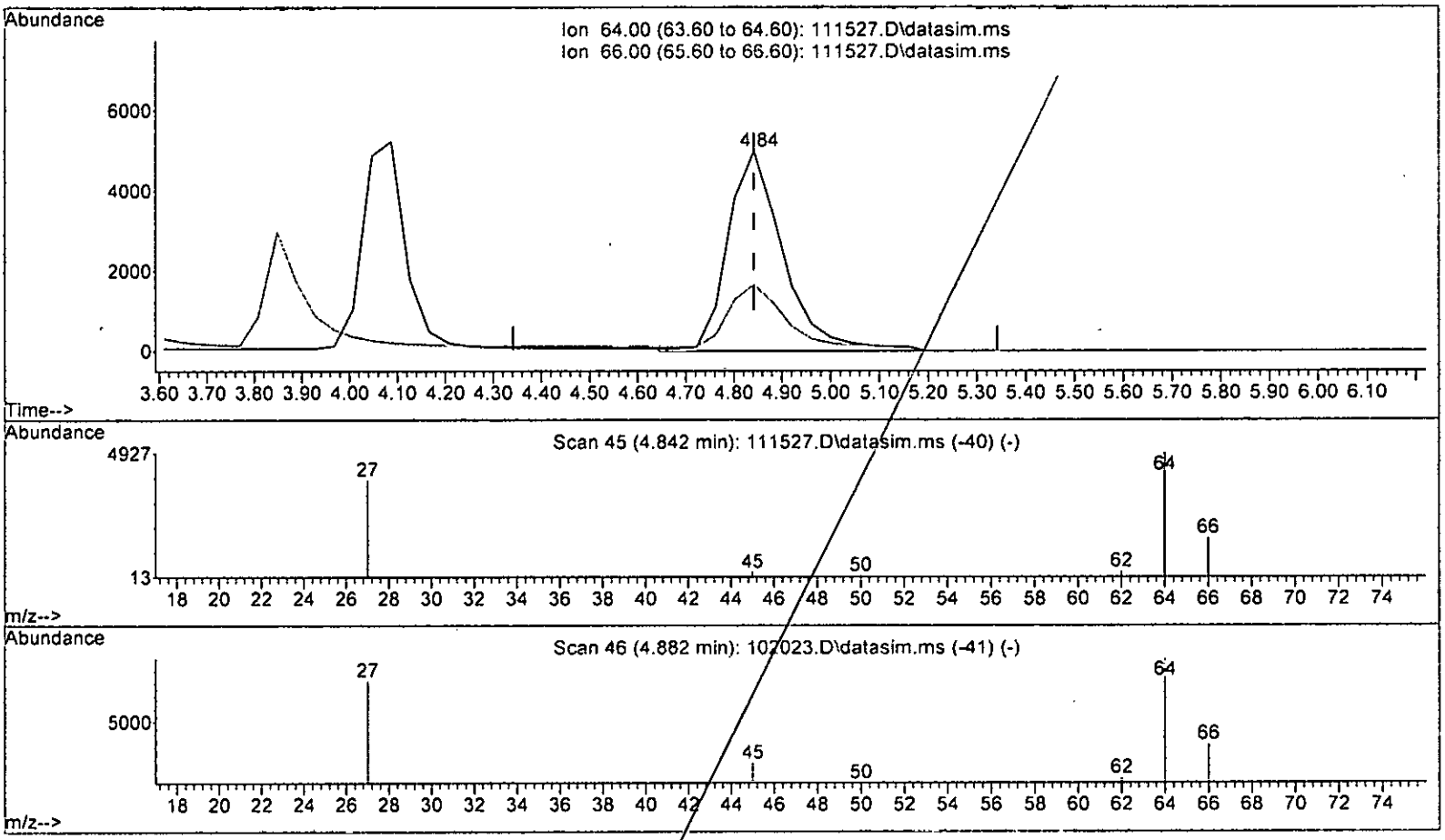
response 101714

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 10.042 ppbv

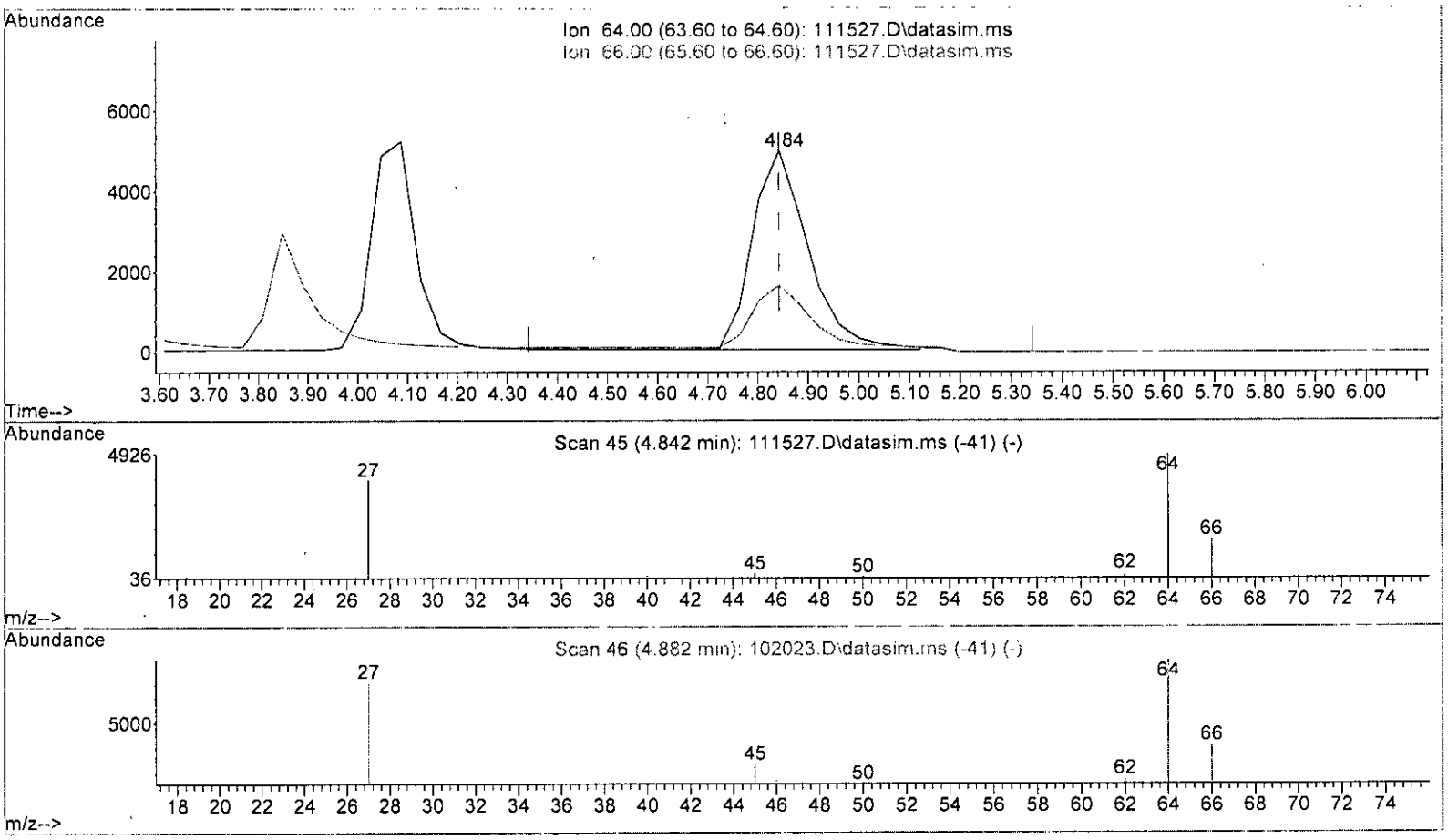
response 38357

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 9.932 ppbv m

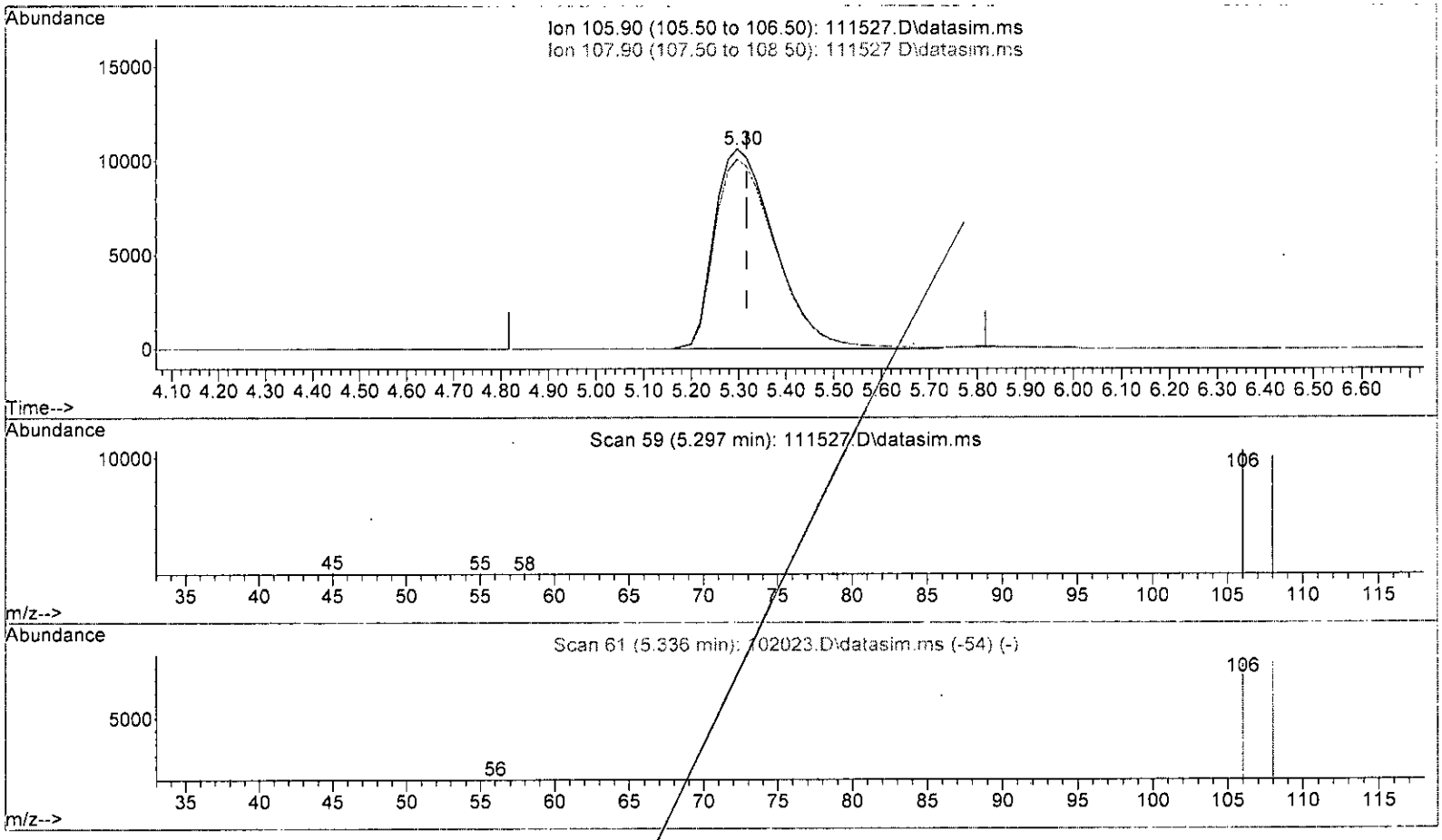
response 37934

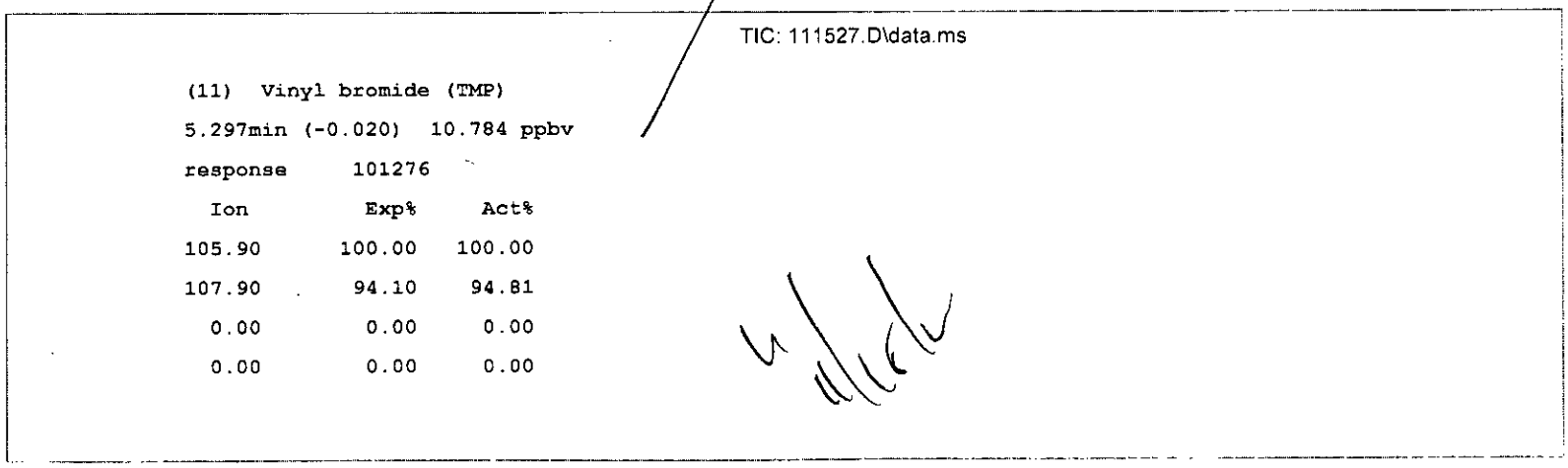
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





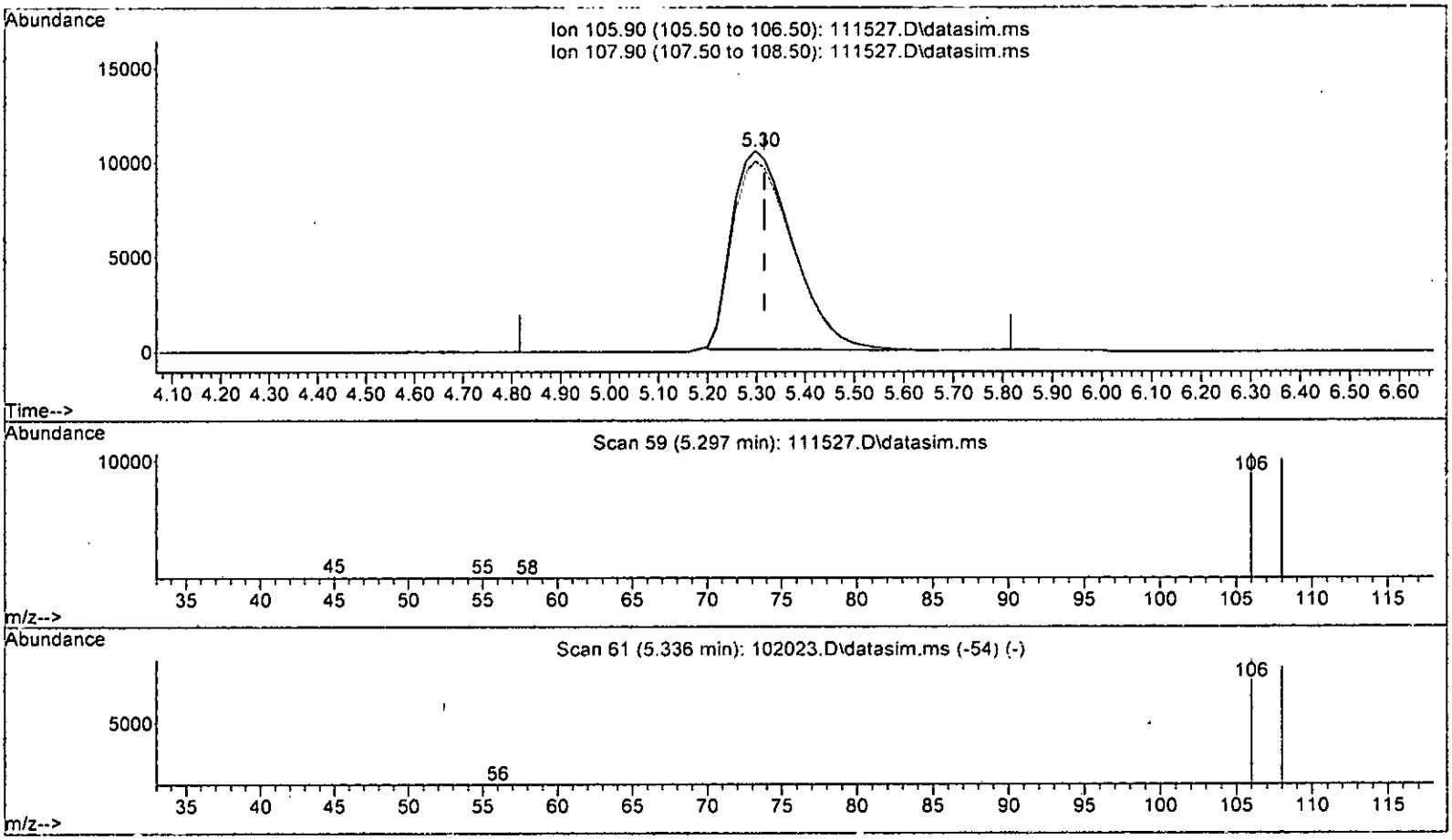
(11) Vinyl bromide (TMP)
5.297min (-0.020) 10.784 ppbv
response 101276

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.81
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (-0.020) 9.705 ppbv m

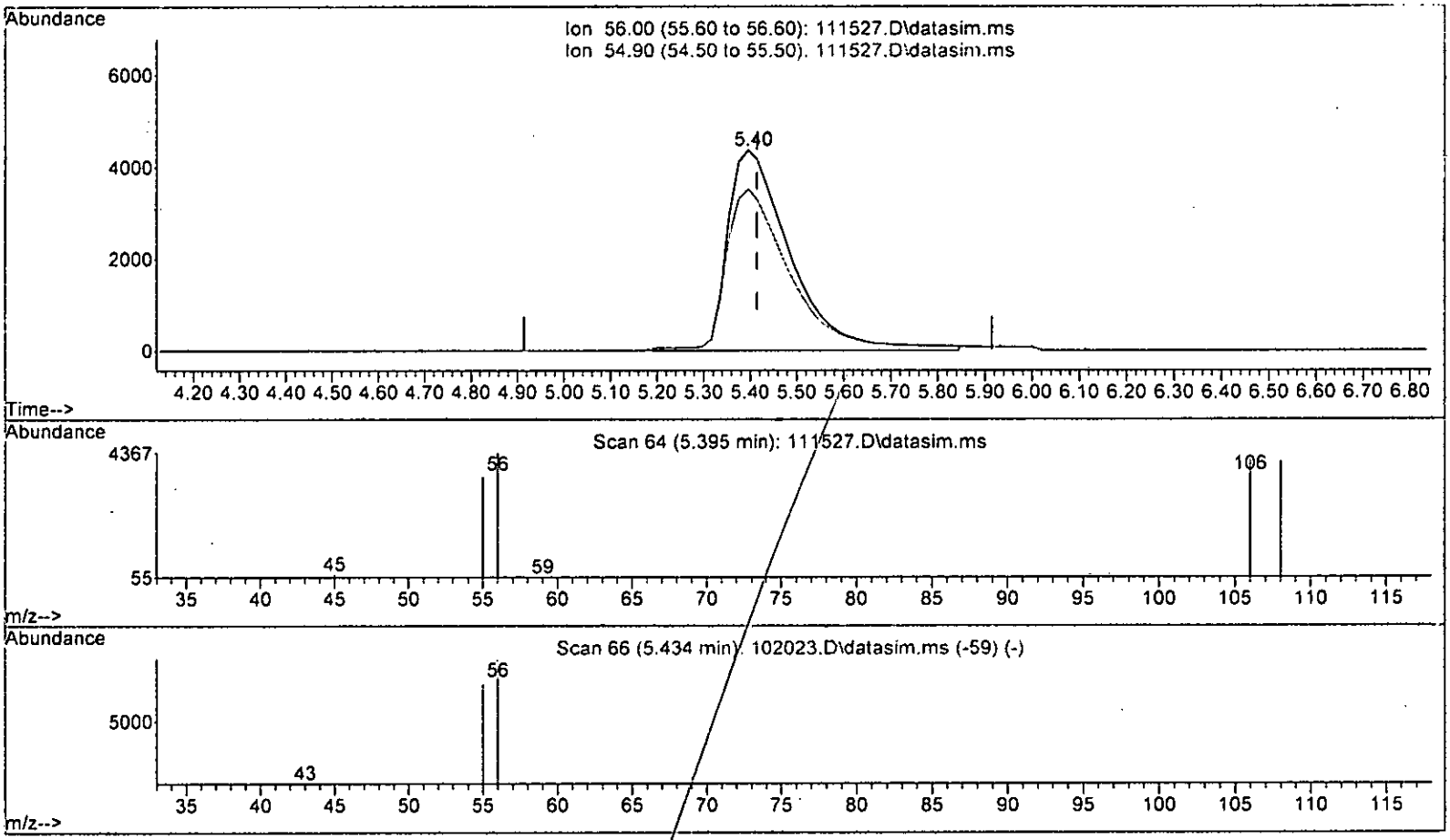
response 91145

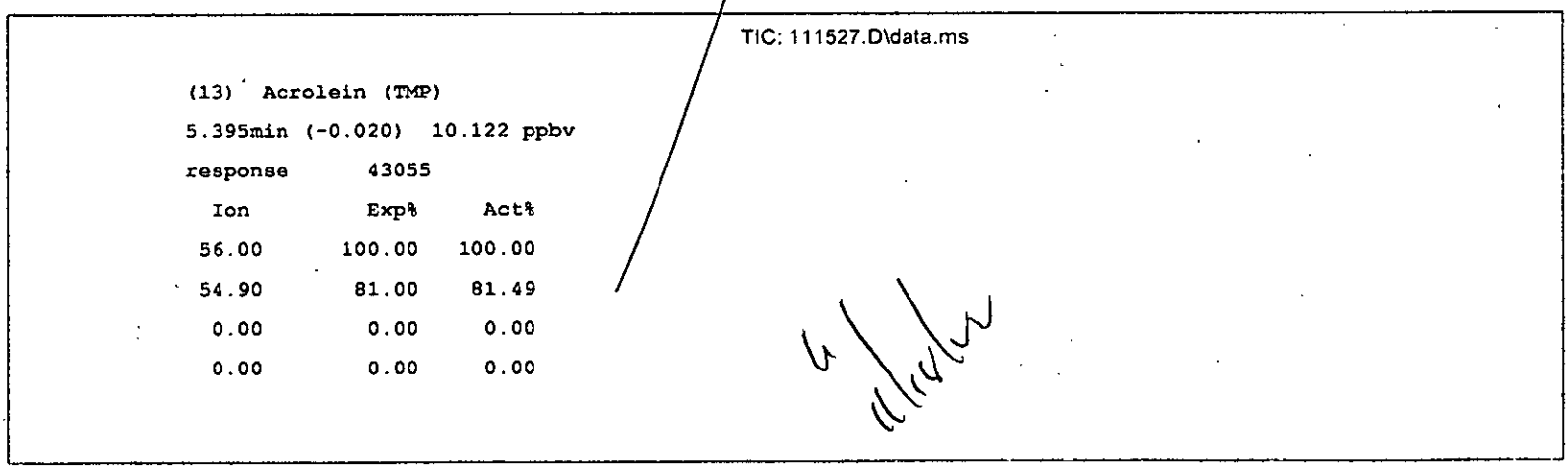
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	105.35
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.395min (-0.020) 10.122 ppbv

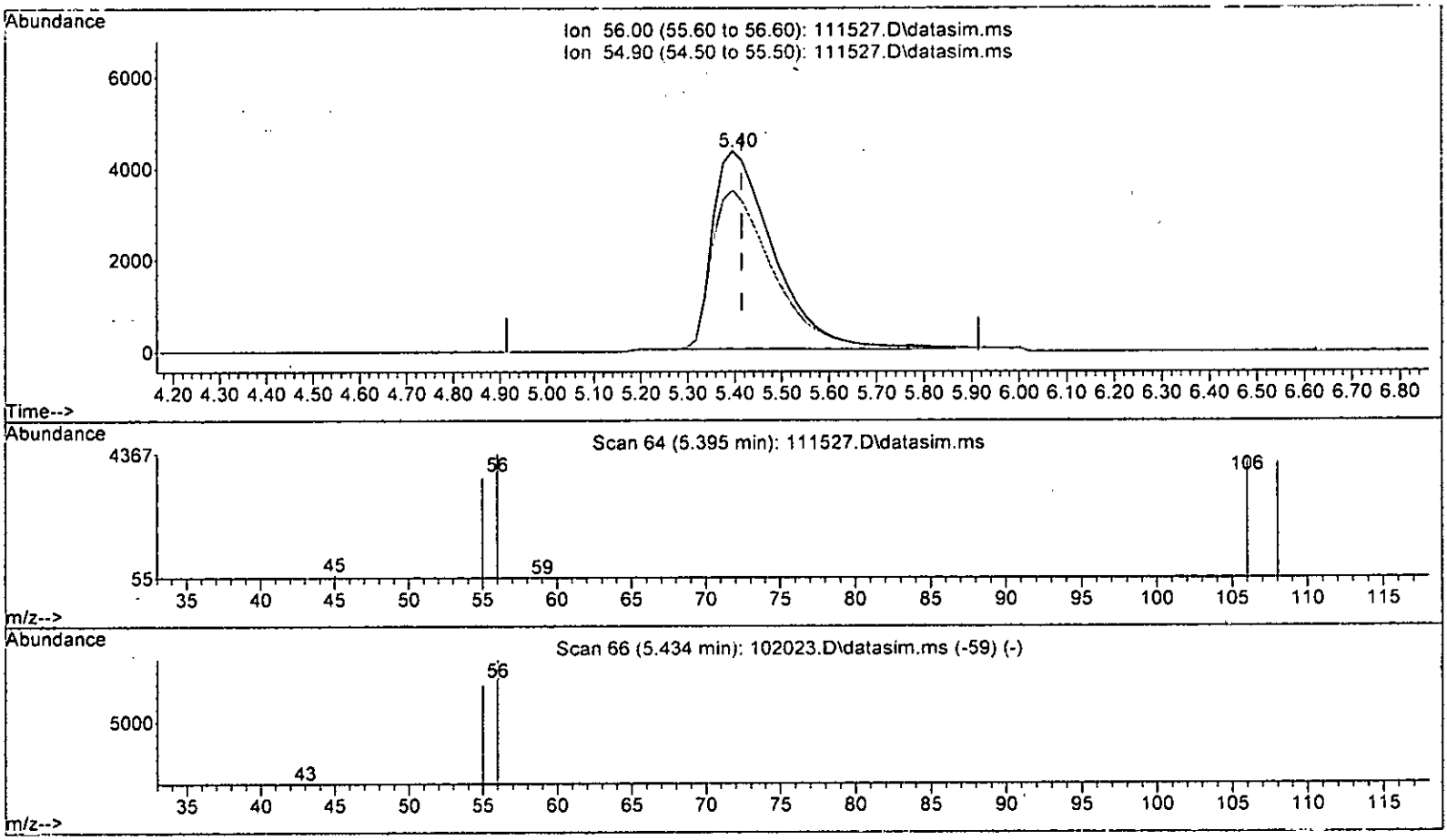
response 43055

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111527.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 9.059 ppbv m

response 38532

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	91.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	58357	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	276208	10.000	ppbv		-0.02
56) Chlorobenzene-d5	18.13	117	247864	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184316	10.730	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.30%				
Target Compounds							Qvalue
2) Propene	3.41	41	79041	10.097	ppbv		98
3) Dichlorodifluoromethane	3.49	85	240719	10.006	ppbv		99
4] Chloromethane	3.73	50	101714m	9.259	ppbv		
5) F-114	3.84	85	231743	9.417	ppbv		97
6] Vinyl chloride	4.09	62	100443	9.301	ppbv		98
7] 1,3-Butadiene	4.25	54	67722	9.543	ppbv	#	95
8) Butane	4.32	43	128132	10.059	ppbv		100
9) Bromomethane	4.60	94	99986	9.276	ppbv		96
10] Chloroethane	4.84	64	37934m	9.932	ppbv		
11] Vinyl bromide	5.30	106	91145m	9.705	ppbv		
12) Ethanol	4.92	45	32558	8.413	ppbv		92
13] Acrolein	5.40	56	38532m	9.059	ppbv		
14) Pentane	6.25	43	142420	9.918	ppbv		97
15) Trichlorofluoromethane	5.82	101	267583	9.590	ppbv		98
16) Acetone	5.53	58	36911	8.903	ppbv		99
17) 2-Propanol	5.78	45	184321	10.202	ppbv		100
18] 1,1-Dichloroethene	6.63	96	86513	9.010	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	87383	9.371	ppbv		89
20) Methylene chloride	6.80	84	80765	9.358	ppbv		97
21) t-Butyl alcohol (TBA)	6.57	59	160818	10.330	ppbv	#	77
22) 3-Chloropropene	6.94	41	124548	10.380	ppbv		99
23) CFC-113	7.15	101	199138	9.836	ppbv		98
24) Carbon disulfide	7.25	76	302857	10.044	ppbv		96
25) Methyl t-butyl ether (...	8.41	73	204898	10.225	ppbv		97
26) Vinyl acetate	8.54	43	242603	10.937	ppbv		99
27] 1,1-Dichloroethane	8.36	63	185442	9.507	ppbv		100
28] cis-1,2-Dichloroethene	9.64	96	92706	9.400	ppbv		96
29) Hexane	10.01	57	124929	10.352	ppbv		97
30] Chloroform	10.08	83	213310	10.013	ppbv		96
31) Ethyl acetate	9.92	43	230833	10.441	ppbv		99
32) Tetrahydrofuran	10.74	42	116277	11.012	ppbv		94
33) 2-Butanone (MEK)	8.88	72	36075	9.988	ppbv	#	91
34] 1,2-Dichloroethane (EDC)	11.34	62	143645	9.996	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	192631	9.873	ppbv		98
36] Carbon tetrachloride	12.86	117	200993	9.777	ppbv		97
37] Benzene	12.61	78	294312	10.048	ppbv		94
38) Cyclohexane	13.07	84	79676	9.988	ppbv		99
40] 1,2-Dichloropropane	13.80	63	136722	9.142	ppbv		98

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

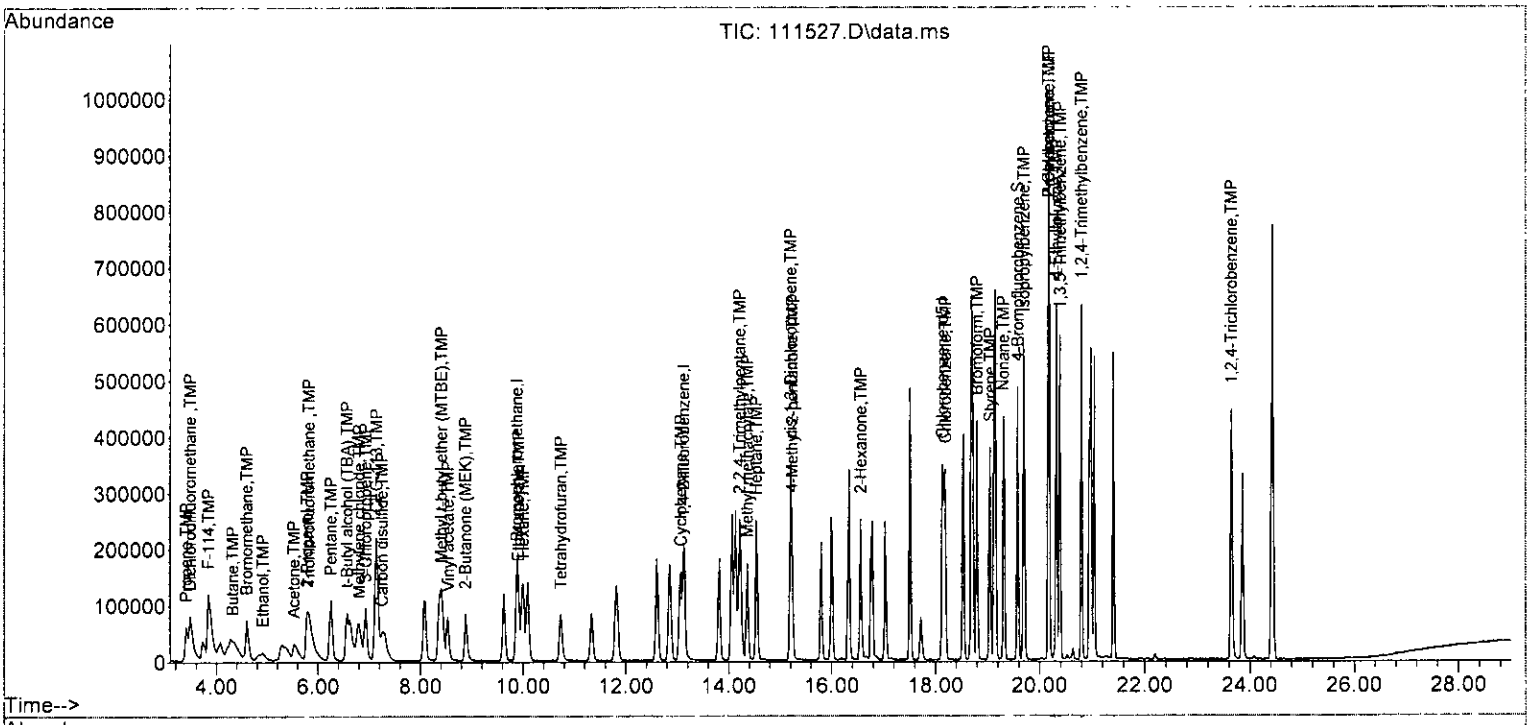
Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

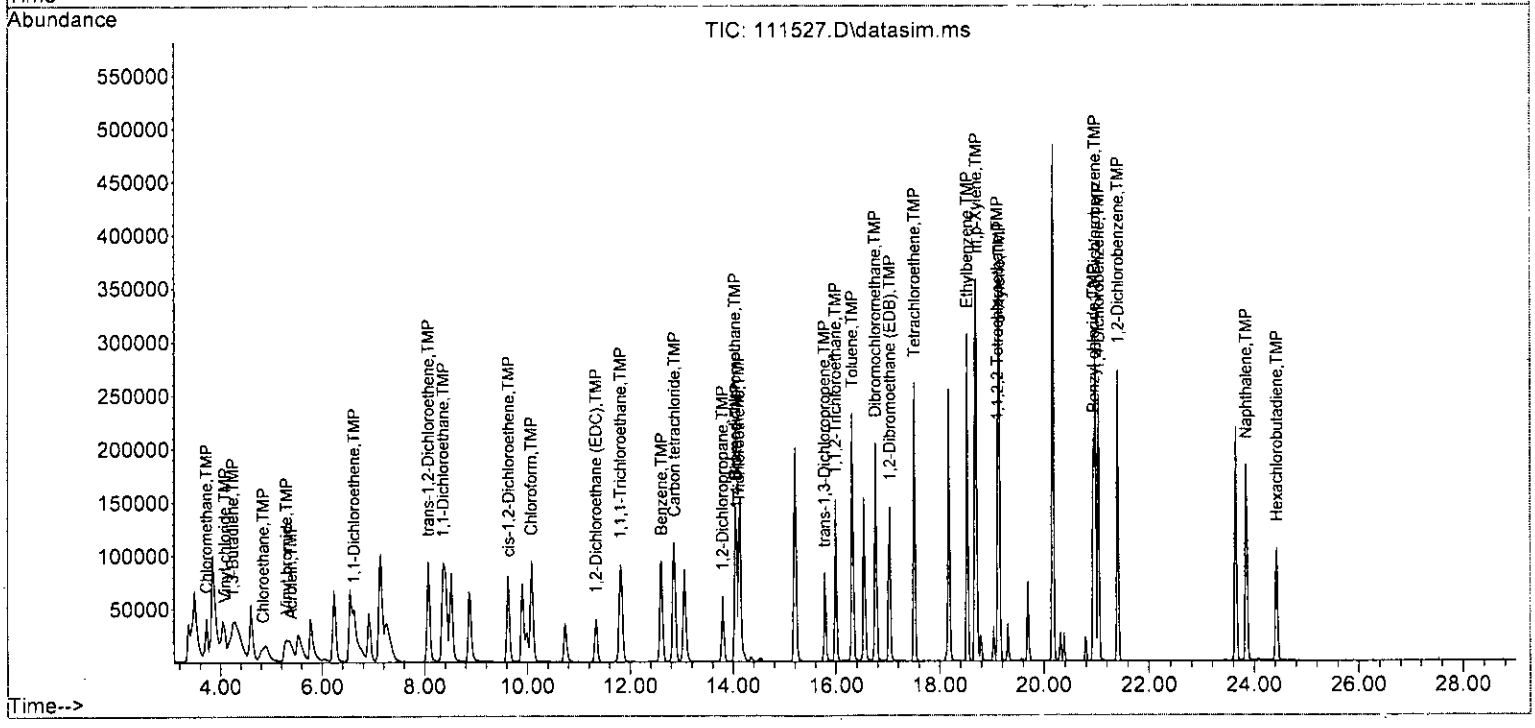
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.07	88	59845	9.410	ppbv	100
42) 2,2,4-Trimethylpentane	14.21	57	438752	9.938	ppbv	97
43) Methyl methacrylate	14.36	41	133782	9.981	ppbv	99
44) Heptane	14.53	43	187312	10.222	ppbv	99
45] Bromodichloromethane	14.04	83	227972	9.715	ppbv	98
46] Trichloroethene	14.12	95	141937	8.664	ppbv	79
47) cis-1,3-Dichloropropene	15.20	75	170395	10.304	ppbv	97
48) 4-Methyl-2-pentanone	15.23	100	13009	10.643	ppbv	98
49] trans-1,3-Dichloropropene	15.78	75	160242	10.302	ppbv	85
50] Toluene	16.31	92	186659	9.558	ppbv	92
51] 1,1,2-Trichloroethane	16.00	83	132436	9.943	ppbv	89
52) 2-Hexanone	16.56	43	247060	10.570	ppbv	96
53] Tetrachloroethene	17.52	164	122486	9.054	ppbv	94
54] Dibromochloromethane	16.76	129	231346	9.730	ppbv	99
55] 1,2-Dibromoethane (EDB)	17.04	107	196013	9.896	ppbv	99
57) Chlorobenzene	18.19	112	255317	9.357	ppbv	99
58] Ethylbenzene	18.53	91	426962	9.898	ppbv	95
59] 1,1,2,2-Tetrachloroethane	19.11	83	304544	9.870	ppbv	91
60) Nonane	19.30	43	268093	11.029	ppbv	99
61) Isopropylbenzene	19.70	105	451414	10.164	ppbv	99
62) 2-Chlorotoluene	20.17	126	112000	10.086	ppbv	94
63) Propylbenzene	20.17	91	884876	10.845	ppbv	99
64) 4-Ethyltoluene	20.32	105	433350	10.851	ppbv	100
65] m,p-Xylene	18.70	106	313361	19.964	ppbv	93
66] o-Xylene	19.15	106	151434	9.937	ppbv	96
67) Styrene	19.05	104	225490	11.109	ppbv	98
68) Bromoform	18.80	173	246216	9.659	ppbv	100
70] Benzyl chloride	20.95	91	321804	10.225	ppbv	100
71) 1,3,5-Trimethylbenzene	20.39	105	389136	10.828	ppbv	99
72) 1,2,4-Trimethylbenzene	20.80	105	369703	10.011	ppbv	100
73] 1,3-Dichlorobenzene	20.98	146	264406	10.542	ppbv	98
74] 1,4-Dichlorobenzene	21.05	146	250616	10.679	ppbv	97
75] 1,2-Dichlorobenzene	21.41	146	262786	10.351	ppbv	93
76) 1,2,4-Trichlorobenzene	23.64	180	220084	10.392	ppbv	99
77] Naphthalene	23.84	128	389489	10.305	ppbv	99
78] Hexachlorobutadiene	24.44	225	247274	9.551	ppbv	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	10.000	10.097	-1.0	100	0.00
3	TMP	Dichlorodifluoromethane	10.000	10.006	-0.1	100	0.00
4	TMP	Chloromethane	10.000	9.259	7.4	100	0.00
5	TMP	F-114	10.000	9.417	5.8	102	-0.04
6	TMP	Vinyl chloride	10.000	9.301	7.0	100	0.00
7	TMP	1,3-Butadiene	10.000	9.543	4.6	100	-0.04
8	TMP	Butane	10.000	10.059	-0.6	100	0.00
9	TMP	Bromomethane	10.000	9.276	7.2	100	0.00
10	TMP	Chloroethane	10.000	9.932	0.7	101	0.00
11	TMP	Vinyl bromide	10.000	9.705	2.9	100	-0.02
12	TMP	Ethanol	10.000	8.413	15.9	100	-0.04
13	TMP	Acrolein	10.000	9.059	9.4	100	-0.02
14	TMP	Pentane	10.000	9.918	0.8	100	0.00
15	TMP	Trichlorofluoromethane	10.000	9.590	4.1	99	-0.02
16	TMP	Acetone	10.000	8.903	11.0	100	-0.04
17	TMP	2-Propanol	10.000	10.202	-2.0	99	0.00
18	TMP	1,1-Dichloroethene	10.000	9.010	9.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	10.000	9.371	6.3	100	-0.03
20	TMP	Methylene chloride	10.000	9.358	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	10.000	10.330	-3.3	100	0.00
22	TMP	3-Chloropropene	10.000	10.380	-3.8	100	0.00
23	TMP	CFC-113	10.000	9.836	1.6	100	0.00
24	TMP	Carbon disulfide	10.000	10.044	-0.4	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	10.000	10.225	-2.2	100	-0.03
26	TMP	Vinyl acetate	10.000	10.937	-9.4	100	0.00
27	TMP	1,1-Dichloroethane	10.000	9.507	4.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	10.000	9.400	6.0	100	0.00
29	TMP	Hexane	10.000	10.352	-3.5	100	0.00
30	TMP	Chloroform	10.000	10.013	-0.1	100	-0.02
31	TMP	Ethyl acetate	10.000	10.441	-4.4	100	0.00
32	TMP	Tetrahydrofuran	10.000	11.012	-10.1	100	0.00
33	TMP	2-Butanone (MEK)	10.000	9.988	0.1	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	10.000	9.996	0.0	100	0.00
35	TMP	1,1,1-Trichloroethane	10.000	9.873	1.3	100	-0.01
36	TMP	Carbon tetrachloride	10.000	9.777	2.2	100	0.00
37	TMP	Benzene	10.000	10.048	-0.5	100	0.00
38	TMP	Cyclohexane	10.000	9.988	0.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	10.000	9.142	8.6	100	0.00
41	TMP	1,4-Dioxane	10.000	9.410	5.9	100	-0.02
42	TMP	2,2,4-Trimethylpentane	10.000	9.938	0.6	100	-0.03
43	TMP	Methyl methacrylate	10.000	9.981	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	10.000	10.222	-2.2	100	-0.02
45	TMP	Bromodichloromethane	10.000	9.715	2.9	100	0.00
46	TMP	Trichloroethene	10.000	8.664	13.4	100	-0.02
47	TMP	cis-1,3-Dichloropropene	10.000	10.304	-3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	10.000	10.643	-6.4	100	0.00
49	TMP	trans-1,3-Dichloropropene	10.000	10.302	-3.0	100	0.00
50	TMP	Toluene	10.000	9.558	4.4	100	0.00
51	TMP	1,1,2-Trichloroethane	10.000	9.943	0.6	100	0.00
52	TMP	2-Hexanone	10.000	10.570	-5.7	100	0.00
53	TMP	Tetrachloroethene	10.000	9.054	9.5	100	0.00
54	TMP	Dibromochloromethane	10.000	9.730	2.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	10.000	9.896	1.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	10.000	9.357	6.4	100	0.00
58	TMP	Ethylbenzene	10.000	9.898	1.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	10.000	9.870	1.3	100	-0.02
60	TMP	Nonane	10.000	11.029	-10.3	100	0.00
61	TMP	Isopropylbenzene	10.000	10.164	-1.6	100	0.00
62	TMP	2-Chlorotoluene	10.000	10.086	-0.9	100	0.00
63	TMP	Propylbenzene	10.000	10.845	-8.5	100	-0.01
64	TMP	4-Ethyltoluene	10.000	10.851	-8.5	100	0.00
65	TMP	m,p-Xylene	20.000	19.964	0.2	100	0.00
66	TMP	o-Xylene	10.000	9.937	0.6	100	0.00
67	TMP	Styrene	10.000	11.109	-11.1	100	0.00
68	TMP	Bromoform	10.000	9.659	3.4	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.730	-7.3	100	0.00
70	TMP	Benzyl chloride	10.000	10.225	-2.2	101	0.00
71	TMP	1,3,5-Trimethylbenzene	10.000	10.828	-8.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	10.000	10.011	-0.1	100	0.00
73	TMP	1,3-Dichlorobenzene	10.000	10.542	-5.4	100	0.00
74	TMP	1,4-Dichlorobenzene	10.000	10.679	-6.8	100	0.00
75	TMP	1,2-Dichlorobenzene	10.000	10.351	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	10.000	10.392	-3.9	100	0.00
77	TMP	Naphthalene	10.000	10.305	-3.0	100	0.00
78	TMP	Hexachlorobutadiene	10.000	9.551	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.354	13.0	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.125	-0.0	100	0.00
4	TMP	Chloromethane	1.882	1.743	7.4	100	0.00
5	TMP	F-114	4.217	3.971	5.8	102	-0.04
6	TMP	Vinyl chloride	1.851	1.721	7.0	100	0.00
7	TMP	1,3-Butadiene	1.216	1.160	4.6	100	-0.04
8	TMP	Butane	2.183	2.196	-0.6	100	0.00
9	TMP	Bromomethane	1.847	1.713	7.3	100	0.00
10	TMP	Chloroethane	0.655	0.650	0.8	101	0.00
11	TMP	Vinyl bromide	1.609	1.562	2.9	100	-0.02
12	TMP	Ethanol	0.663	0.558	15.8	100	-0.04
13	TMP	Acrolein	0.729	0.660	9.5	100	-0.02
14	TMP	Pentane	2.461	2.440	0.9	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.585	4.1	99	-0.02
16	TMP	Acetone	0.710	0.633	10.8	100	-0.04
17	TMP	2-Propanol	3.096	3.159	-2.0	99	0.00
18	TMP	1,1-Dichloroethene	1.645	1.482	9.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.497	6.3	100	-0.03
20	TMP	Methylene chloride	1.479	1.384	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.756	-3.3	100	0.00
22	TMP	3-Chloropropene	2.056	2.134	-3.8	100	0.00
23	TMP	CFC-113	3.469	3.412	1.6	100	0.00
24	TMP	Carbon disulfide	5.167	5.190	-0.4	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.511	-2.2	100	-0.03
26	TMP	Vinyl acetate	3.801	4.157	-9.4	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.178	4.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.589	6.0	100	0.00
29	TMP	Hexane	2.068	2.141	-3.5	100	0.00
30	TMP	Chloroform	4.060	3.655	10.0	100	-0.02
31	TMP	Ethyl acetate	3.789	3.956	-4.4	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.993	-10.2	100	0.00
33	TMP	2-Butanone (MEK)	0.619	0.618	0.2	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.461	8.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.301	1.3	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.444	2.2	100	0.00
37	TMP	Benzene	5.688	5.043	11.3	100	0.00
38	TMP	Cyclohexane	1.367	1.365	0.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	0.541	0.495	8.5	100	0.00
41	TMP	1,4-Dioxane	0.230	0.217	5.7	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.588	0.6	100	-0.03
43	TMP	Methyl methacrylate	0.485	0.484	0.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111527.D
Acq On : 16 Nov 2022 10:46 am
Operator : bat
Sample : 10 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:14:51 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

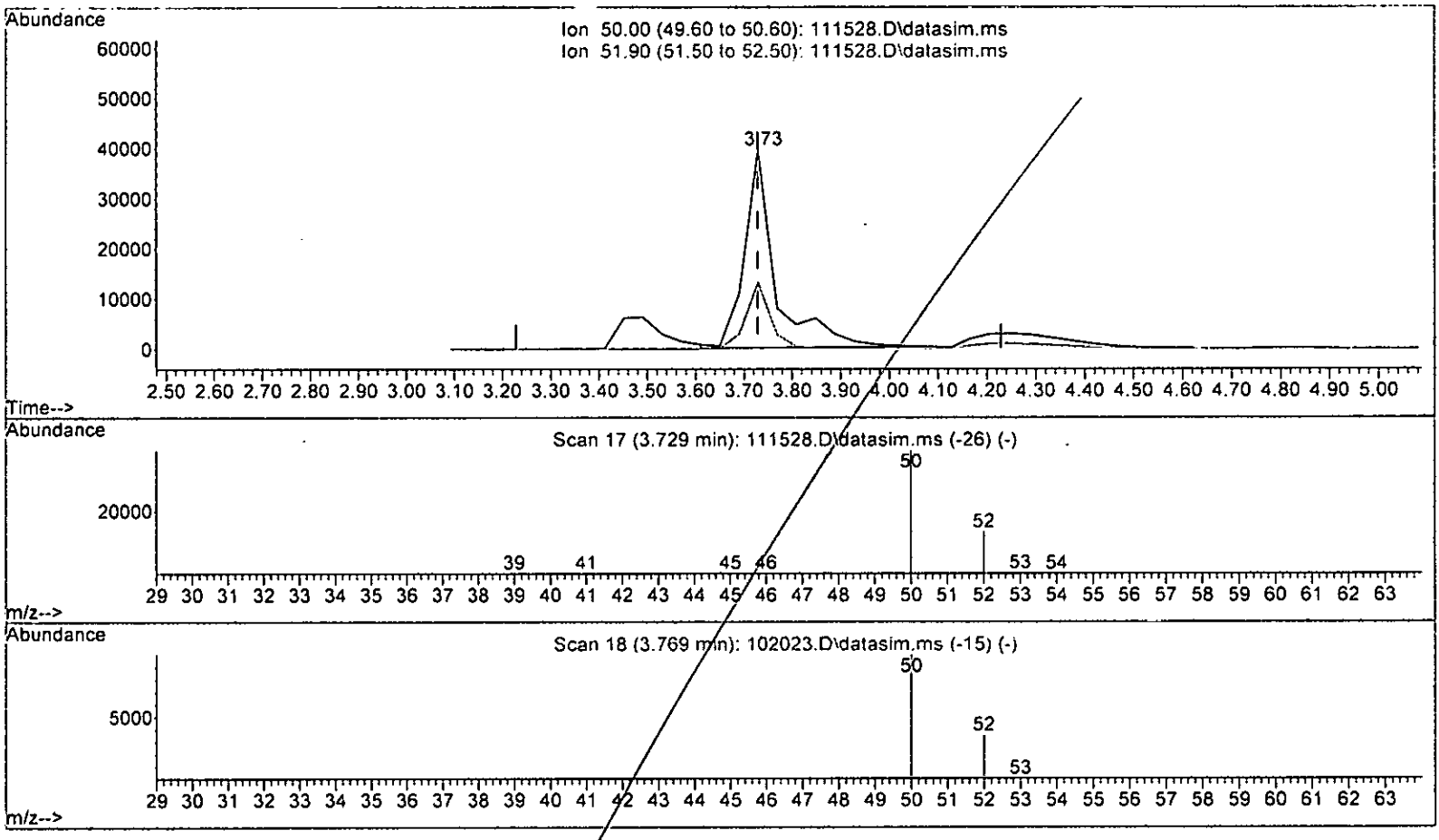
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.678	-2.3	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.825	2.9	100	0.00
46	TMP	Trichloroethene	0.593	0.514	13.3	100	-0.02
47	TMP	cis-1,3-Dichloropropene	0.599	0.617	-3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.047	-6.8	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.580	-3.0	100	0.00
50	TMP	Toluene	0.707	0.676	4.4	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.479	12.9	100	0.00
52	TMP	2-Hexanone	0.846	0.894	-5.7	100	0.00
53	TMP	Tetrachloroethene	0.490	0.443	9.6	100	0.00
54	TMP	Dibromochloromethane	0.861	0.838	2.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.710	13.8	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.030	6.4	100	0.00
58	TMP	Ethylbenzene	1.968	1.723	12.4	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.229	11.8	100	-0.02
60	TMP	Nonane	0.981	1.082	-10.3	100	0.00
61	TMP	Isopropylbenzene	1.792	1.821	-1.6	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.452	-0.9	100	0.00
63	TMP	Propylbenzene	3.292	3.570	-8.4	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.748	-8.5	100	0.00
65	TMP	m,p-Xylene	0.633	0.632	0.2	100	0.00
66	TMP	o-Xylene	0.615	0.611	0.7	100	0.00
67	TMP	Styrene	0.819	0.910	-11.1	100	0.00
68	TMP	Bromoform	1.028	0.993	3.4	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.744	-7.4	100	0.00
70	TMP	Benzyl chloride	0.987	1.298	-31.5#	101	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.570	-8.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.492	-19.6	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.067	-5.4	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.011	-6.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.060	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.888	-41.9#	100	0.00
77	TMP	Naphthalene	1.132	1.571	-38.8#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

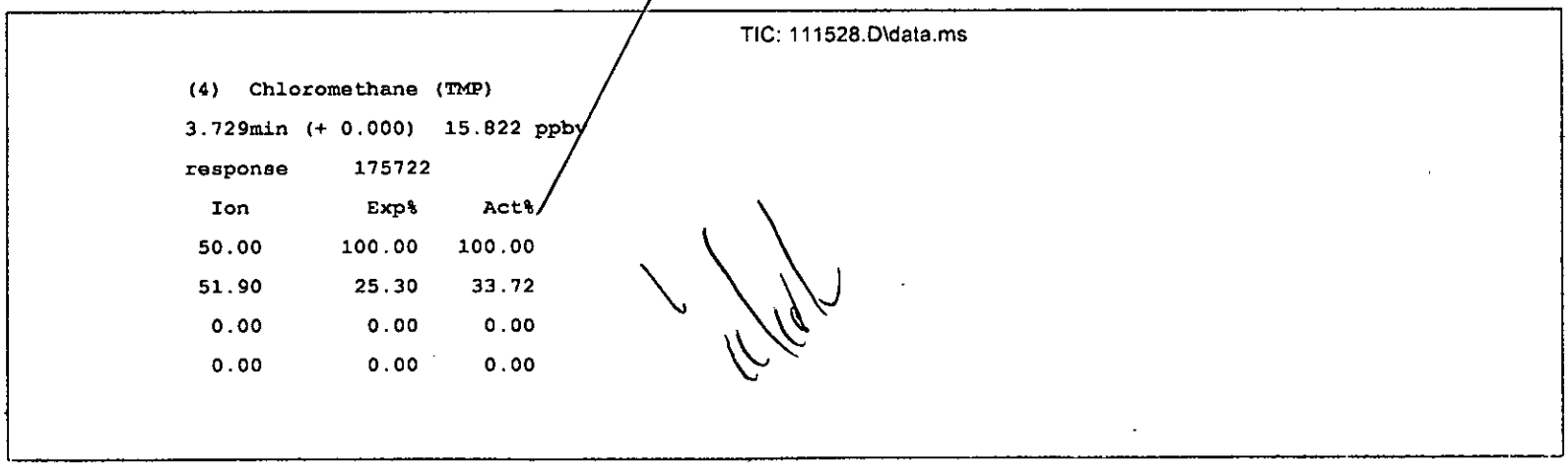
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.729min (+ 0.000) 15.822 ppbv

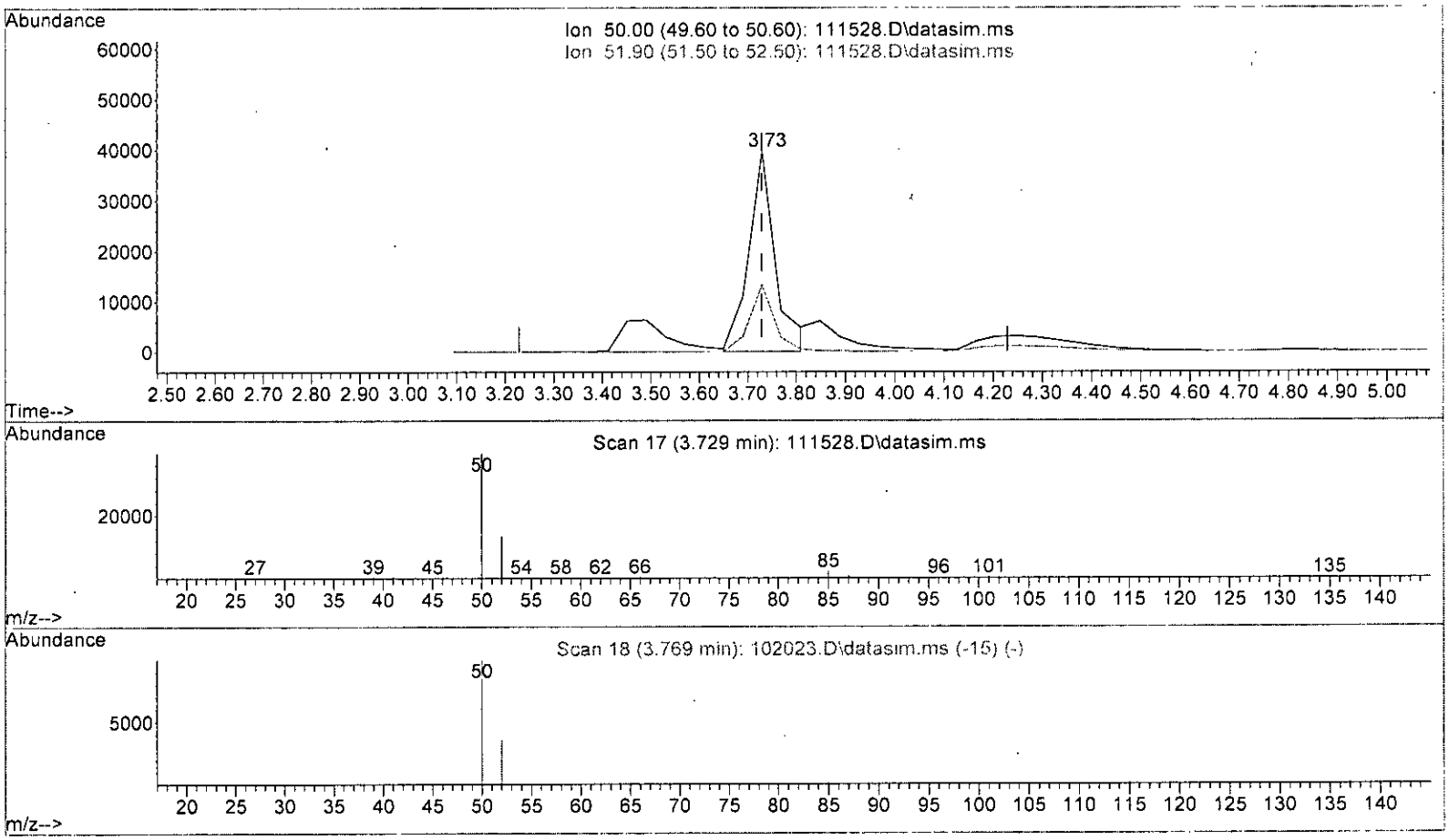
response 175722

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111528.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 13.595 ppbv m

response 150990

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	33.53
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	58999	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	278765	10.000	ppbv		-0.02
56) Chlorobenzene-d5	18.13	117	247324	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	193296	11.278	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	119081	14.708	ppbv		97
3) Dichlorodifluoromethane	3.49	85	359082	14.763	ppbv		99
4] Chloromethane	3.73	50	150990m	13.595	ppbv		
5) F-114	3.84	85	351475	14.127	ppbv		99
6] Vinyl chloride	4.05	62	148970	13.644	ppbv		99
7] 1,3-Butadiene	4.25	54	102296	14.259	ppbv	#	96
8) Butane	4.32	43	191657	14.882	ppbv		99
9) Bromomethane	4.60	94	146095	13.406	ppbv		97
10] Chloroethane	4.84	64	55733	14.433	ppbv		98
11] Vinyl bromide	5.30	106	149440	15.739	ppbv		99
12) Ethanol	4.92	45	58514	14.955	ppbv		100
13] Acrolein	5.40	56	58433	13.588	ppbv		99
14) Pentane	6.25	43	206303	14.211	ppbv		99
15) Trichlorofluoromethane	5.82	101	397811	14.102	ppbv		100
16) Acetone	5.53	58	54612	13.029	ppbv		92
17) 2-Propanol	5.78	45	269801	14.771	ppbv		100
18] 1,1-Dichloroethene	6.63	96	127304	13.115	ppbv		97
19] trans-1,2-Dichloroethene	8.07	96	128944	13.678	ppbv		94
20) Methylene chloride	6.80	84	120892	13.856	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	244526	15.535	ppbv	#	79
22) 3-Chloropropene	6.94	41	188878	15.570	ppbv		98
23) CFC-113	7.15	101	289544	14.145	ppbv		98
24) Carbon disulfide	7.25	76	453954	14.892	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	300742	14.845	ppbv		98
26) Vinyl acetate	8.54	43	368654	16.439	ppbv		99
27] 1,1-Dichloroethane	8.36	63	272963	13.842	ppbv		100
28] cis-1,2-Dichloroethene	9.62	96	136919	13.732	ppbv		86
29) Hexane	9.99	57	190651	15.625	ppbv		96
30] Chloroform	10.08	83	311416	14.974	ppbv		98
31) Ethyl acetate	9.92	43	349665	15.643	ppbv		99
32) Tetrahydrofuran	10.73	42	175763	16.464	ppbv		92
33) 2-Butanone (MEK)	8.88	72	54432	14.907	ppbv	#	89
34] 1,2-Dichloroethane (EDC)	11.34	62	211556	14.954	ppbv		99
35] 1,1,1-Trichloroethane	11.81	97	282594	14.326	ppbv		98
36] Carbon tetrachloride	12.86	117	295682	14.227	ppbv		96
37] Benzene	12.61	78	434213	14.934	ppbv		94
38) Cyclohexane	13.07	84	118410	14.682	ppbv		98
40] 1,2-Dichloropropane	13.80	63	201812	13.371	ppbv		98

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

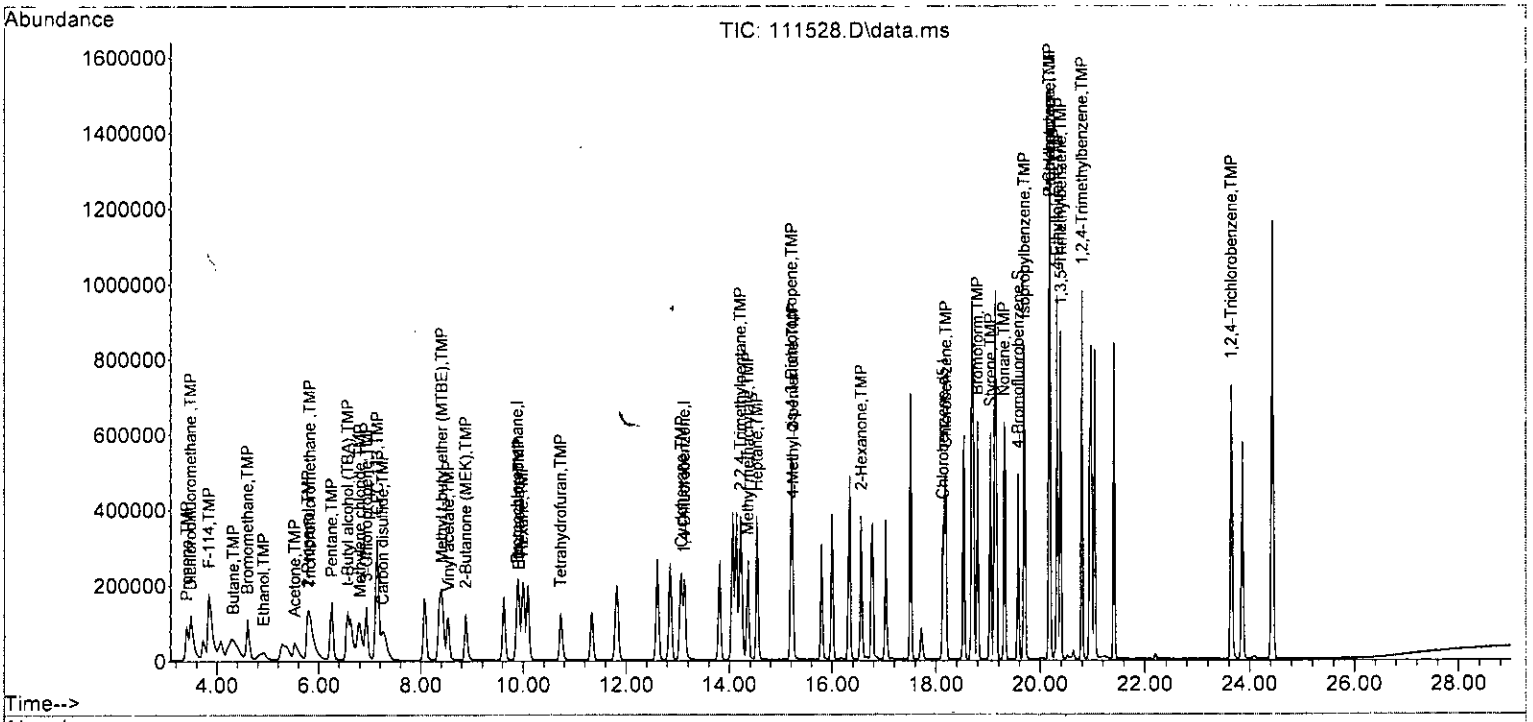
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.07	88	89988	14.019	ppbv		96
42) 2,2,4-Trimethylpentane	14.21	57	656524	14.734	ppbv		97
43) Methyl methacrylate	14.36	41	203939	15.076	ppbv		100
44) Heptane	14.53	43	282353	15.267	ppbv		99
45] Bromodichloromethane	14.04	83	332802	14.052	ppbv		97
46] Trichloroethene	14.12	95	209252	12.656	ppbv		78
47) cis-1,3-Dichloropropene	15.20	75	252568	15.133	ppbv		98
48) 4-Methyl-2-pentanone	15.23	100	18663	15.128	ppbv	#	94
49] trans-1,3-Dichloropropene	15.78	75	241740	15.399	ppbv		85
50] Toluene	16.31	92	277732	14.091	ppbv		90
51] 1,1,2-Trichloroethane	16.00	83	192766	15.049	ppbv		87
52) 2-Hexanone	16.56	43	365792	15.506	ppbv		97
53] Tetrachloroethene	17.52	164	178050	13.040	ppbv		95
54] Dibromochloromethane	16.76	129	341786	14.243	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	287988	15.020	ppbv		98
57) Chlorobenzene	18.19	112	374572	13.758	ppbv		99
58] Ethylbenzene	18.53	91	636030	15.041	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.13	83	443331	15.117	ppbv		91
60) Nonane	19.30	43	405196	16.706	ppbv		99
61) Isopropylbenzene	19.70	105	665976	15.027	ppbv		100
62) 2-Chlorotoluene	20.17	126	166677	15.042	ppbv		94
63) Propylbenzene	20.17	91	1313928	16.138	ppbv		99
64) 4-Ethyltoluene	20.32	105	657585	16.501	ppbv		100
65] m,p-Xylene	18.70	106	467929	29.877	ppbv		93
66] o-Xylene	19.15	106	224701	14.777	ppbv		96
67) Styrene	19.05	104	342860	16.927	ppbv		97
68) Bromoform	18.80	173	367235	14.438	ppbv		100
70] Benzyl chloride	20.95	91	494550	14.939	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	583256	16.264	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	579681	14.930	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	394442	15.761	ppbv		97
74] 1,4-Dichlorobenzene	21.05	146	379907	16.223	ppbv		97
75] 1,2-Dichlorobenzene	21.41	146	393119	15.518	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	352765	14.658	ppbv		99
77] Naphthalene	23.84	128	680136	14.479	ppbv		99
78] Hexachlorobutadiene	24.44	225	370230	14.331	ppbv		100

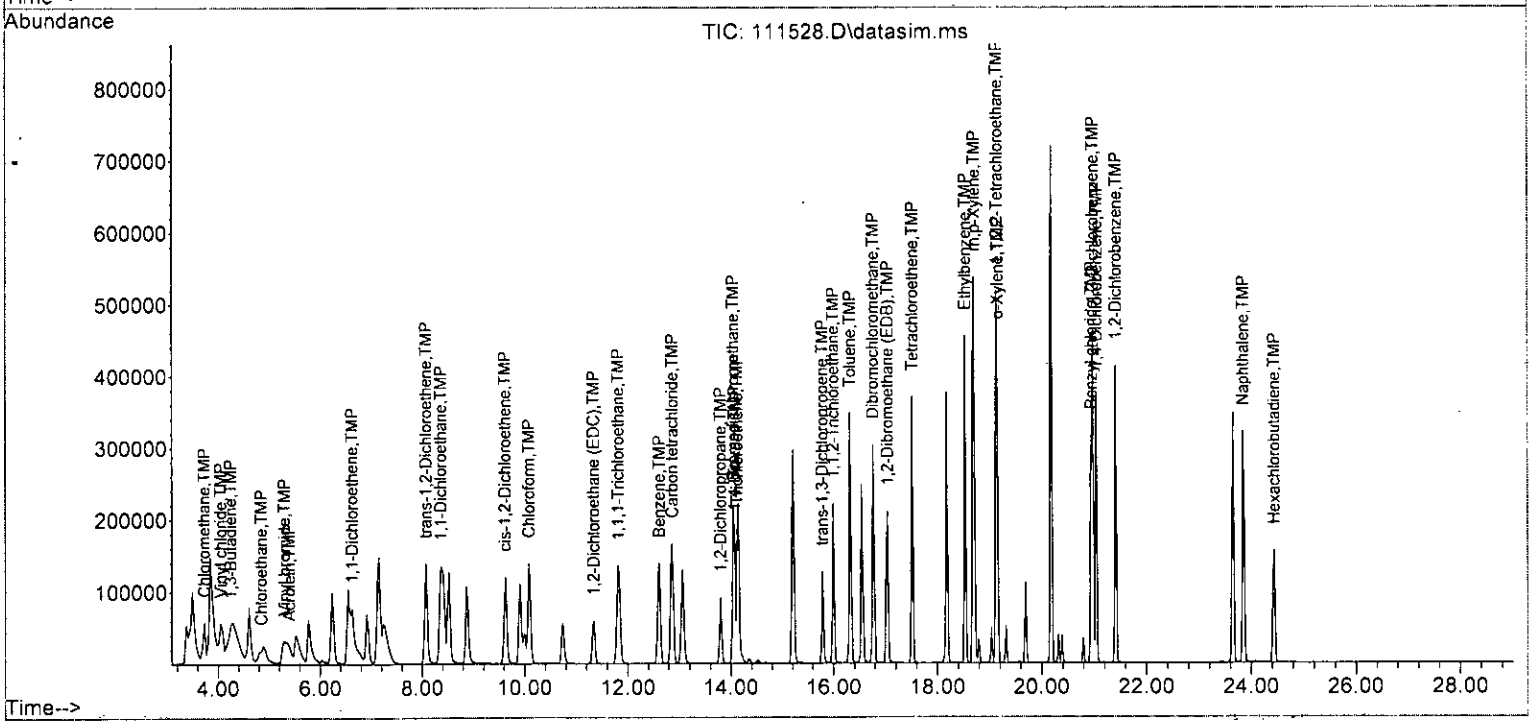
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	15.000	14.708	1.9	100	0.00
3	TMP	Dichlorodifluoromethane	15.000	14.763	1.6	100	0.00
4	TMP	Chloromethane	15.000	13.595	9.4	100	0.00
5	TMP	F-114	15.000	14.127	5.8	103	-0.04
6	TMP	Vinyl chloride	15.000	13.644	9.0	100	-0.04
7	TMP	1,3-Butadiene	15.000	14.259	4.9	100	-0.04
8	TMP	Butane	15.000	14.882	0.8	101	0.00
9	TMP	Bromomethane	15.000	13.406	10.6	100	0.00
10	TMP	Chloroethane	15.000	14.433	3.8	101	0.00
11	TMP	Vinyl bromide	15.000	15.739	-4.9	110	-0.02
12	TMP	Ethanol	15.000	14.955	0.3	100	-0.04
13	TMP	Acrolein	15.000	13.588	9.4	100	-0.02
14	TMP	Pentane	15.000	14.211	5.3	100	0.00
15	TMP	Trichlorofluoromethane	15.000	14.102	6.0	99	-0.02
16	TMP	Acetone	15.000	13.029	13.1	100	-0.04
17	TMP	2-Propanol	15.000	14.771	1.5	98	0.00
18	TMP	1,1-Dichloroethene	15.000	13.115	12.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	15.000	13.678	8.8	100	-0.03
20	TMP	Methylene chloride	15.000	13.856	7.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	15.000	15.535	-3.6	100	0.00
22	TMP	3-Chloropropene	15.000	15.570	-3.8	100	0.00
23	TMP	CFC-113	15.000	14.145	5.7	100	0.00
24	TMP	Carbon disulfide	15.000	14.892	0.7	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	15.000	14.845	1.0	100	-0.03
26	TMP	Vinyl acetate	15.000	16.439	-9.6	100	0.00
27	TMP	1,1-Dichloroethane	15.000	13.842	7.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	15.000	13.732	8.5	100	-0.02
29	TMP	Hexane	15.000	15.625	-4.2	100	-0.02
30	TMP	Chloroform	15.000	14.974	0.2	100	-0.02
31	TMP	Ethyl acetate	15.000	15.643	-4.3	100	0.00
32	TMP	Tetrahydrofuran	15.000	16.464	-9.8	100	-0.02
33	TMP	2-Butanone (MEK)	15.000	14.907	0.6	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	15.000	14.954	0.3	100	0.00
35	TMP	1,1,1-Trichloroethane	15.000	14.326	4.5	100	-0.01
36	TMP	Carbon tetrachloride	15.000	14.227	5.2	100	0.00
37	TMP	Benzene	15.000	14.934	0.4	100	0.00
38	TMP	Cyclohexane	15.000	14.682	2.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	15.000	13.371	10.9	100	0.00
41	TMP	1,4-Dioxane	15.000	14.019	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	15.000	14.734	1.8	100	-0.03
43	TMP	Methyl methacrylate	15.000	15.076	-0.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	15.000	15.267	-1.8	100	-0.02
45	TMP	Bromodichloromethane	15.000	14.052	6.3	100	0.00
46	TMP	Trichloroethene	15.000	12.656	15.6	100	-0.02
47	TMP	cis-1,3-Dichloropropene	15.000	15.133	-0.9	100	0.00
48	TMP	4-Methyl-2-pentanone	15.000	15.128	-0.9	100	0.00
49	TMP	trans-1,3-Dichloropropene	15.000	15.399	-2.7	100	0.00
50	TMP	Toluene	15.000	14.091	6.1	100	0.00
51	TMP	1,1,2-Trichloroethane	15.000	15.049	-0.3	100	0.00
52	TMP	2-Hexanone	15.000	15.506	-3.4	100	0.00
53	TMP	Tetrachloroethene	15.000	13.040	13.1	100	0.00
54	TMP	Dibromochloromethane	15.000	14.243	5.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	15.000	15.020	-0.1	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	15.000	13.758	8.3	100	0.00
58	TMP	Ethylbenzene	15.000	15.041	-0.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	15.000	15.117	-0.8	100	0.00
60	TMP	Nonane	15.000	16.706	-11.4	100	0.00
61	TMP	Isopropylbenzene	15.000	15.027	-0.2	100	0.00
62	TMP	2-Chlorotoluene	15.000	15.042	-0.3	100	0.00
63	TMP	Propylbenzene	15.000	16.138	-7.6	100	-0.01
64	TMP	4-Ethyltoluene	15.000	16.501	-10.0	100	0.00
65	TMP	m,p-Xylene	30.000	29.877	0.4	100	0.00
66	TMP	o-Xylene	15.000	14.777	1.5	100	0.00
67	TMP	Styrene	15.000	16.927	-12.8	100	0.00
68	TMP	Bromoform	15.000	14.438	3.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	11.278	-12.8	100	0.00
70	TMP	Benzyl chloride	15.000	14.939	0.4	102	0.00
71	TMP	1,3,5-Trimethylbenzene	15.000	16.264	-8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	15.000	14.930	0.5	100	0.00
73	TMP	1,3-Dichlorobenzene	15.000	15.761	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	15.000	16.223	-8.2	100	0.00
75	TMP	1,2-Dichlorobenzene	15.000	15.518	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	15.000	14.658	2.3	100	0.00
77	TMP	Naphthalene	15.000	14.479	3.5	100	0.00
78	TMP	Hexachlorobutadiene	15.000	14.331	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.556	1.346	13.5	100	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.057	1.6	100	0.00
4	TMP	Chloromethane	1.882	1.706	9.4	100	0.00
5	TMP	F-114	4.217	3.972	5.8	103	-0.04
6	TMP	Vinyl chloride	1.851	1.683	9.1	100	-0.04
7	TMP	1,3-Butadiene	1.216	1.156	4.9	100	-0.04
8	TMP	Butane	2.183	2.166	0.8	101	0.00
9	TMP	Bromomethane	1.847	1.651	10.6	100	0.00
10	TMP	Chloroethane	0.655	0.630	3.8	101	0.00
11	TMP	Vinyl bromide	1.609	1.689	-5.0	110	-0.02
12	TMP	Ethanol	0.663	0.661	0.3	100	-0.04
13	TMP	Acrolein	0.729	0.660	9.5	100	-0.02
14	TMP	Pentane	2.461	2.331	5.3	100	0.00
15	TMP	Trichlorofluoromethane	4.781	4.495	6.0	99	-0.02
16	TMP	Acetone	0.710	0.617	13.1	100	-0.04
17	TMP	2-Propanol	3.096	3.049	1.5	98	0.00
18	TMP	1,1-Dichloroethene	1.645	1.438	12.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.457	8.8	100	-0.03
20	TMP	Methylene chloride	1.479	1.366	7.6	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.763	-3.6	100	0.00
22	TMP	3-Chloropropene	2.056	2.134	-3.8	100	0.00
23	TMP	CFC-113	3.469	3.272	5.7	100	0.00
24	TMP	Carbon disulfide	5.167	5.130	0.7	100	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.398	1.0	100	-0.03
26	TMP	Vinyl acetate	3.801	4.166	-9.6	100	0.00
27	TMP	1,1-Dichloroethane	3.342	3.084	7.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.547	8.5	100	-0.02
29	TMP	Hexane	2.068	2.154	-4.2	100	-0.02
30	TMP	Chloroform	4.060	3.519	13.3	100	-0.02
31	TMP	Ethyl acetate	3.789	3.951	-4.3	100	0.00
32	TMP	Tetrahydrofuran	1.809	1.986	-9.8	100	-0.02
33	TMP	2-Butanone (MEK)	0.619	0.615	0.6	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.391	11.0	100	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.193	4.5	100	-0.01
36	TMP	Carbon tetrachloride	3.523	3.341	5.2	100	0.00
37	TMP	Benzene	5.688	4.906	13.7	100	0.00
38	TMP	Cyclohexane	1.367	1.338	2.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.02
40	TMP	1,2-Dichloropropane	0.541	0.483	10.7	100	0.00
41	TMP	1,4-Dioxane	0.230	0.215	6.5	100	-0.02
42	TMP	2,2,4-Trimethylpentane	1.598	1.570	1.8	100	-0.03
43	TMP	Methyl methacrylate	0.485	0.488	-0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111528.D
Acq On : 16 Nov 2022 11:25 am
Operator : bat
Sample : 15 ppbv 67-196a
Misc : cal line, 25cc of 25ppbv
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:17:35 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

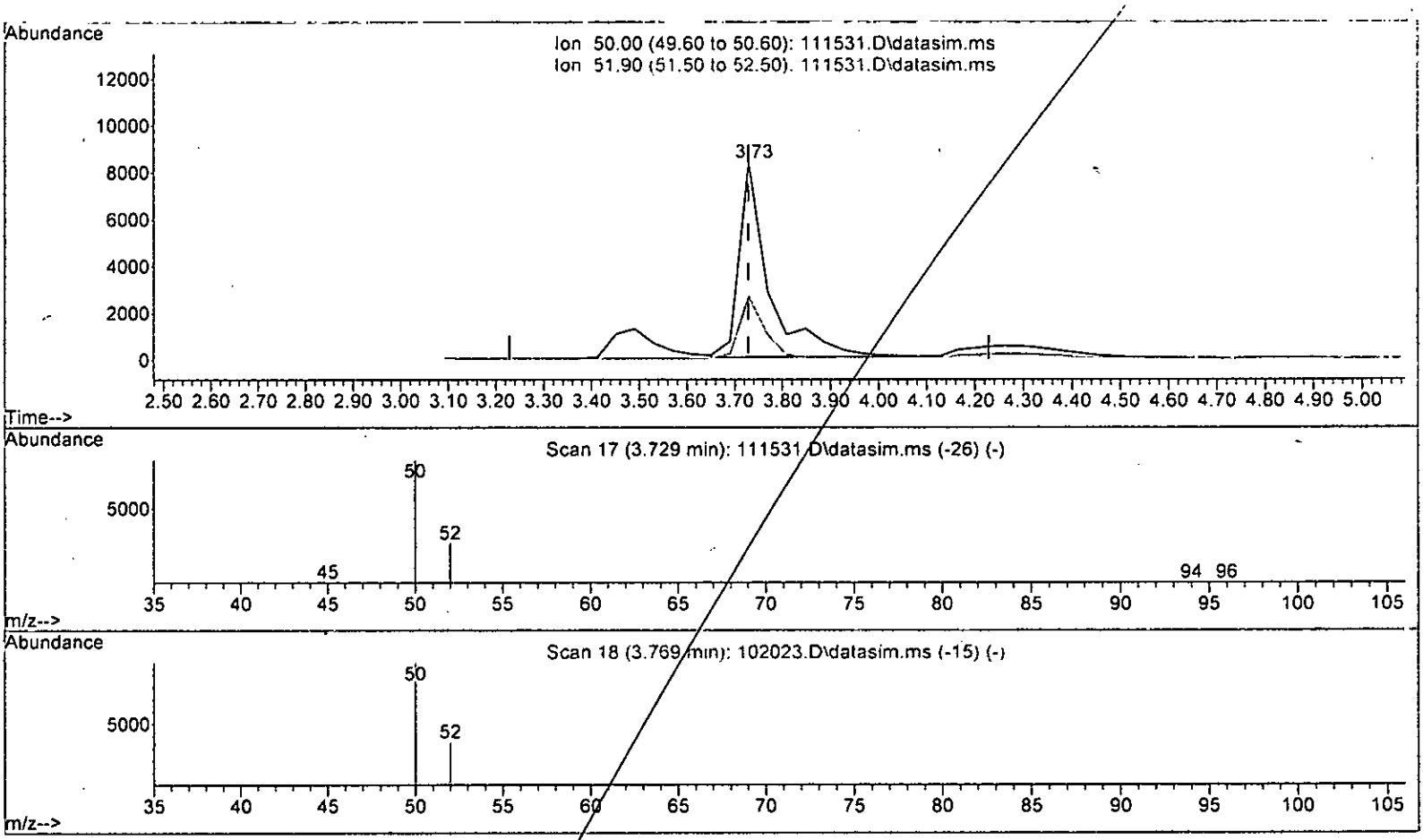
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.675	-1.8	100	-0.02
45	TMP	Bromodichloromethane	0.850	0.796	6.4	100	0.00
46	TMP	Trichloroethene	0.593	0.500	15.7	100	-0.02
47	TMP	cis-1,3-Dichloropropene	0.599	0.604	-0.8	100	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.045	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.578	-2.7	100	0.00
50	TMP	Toluene	0.707	0.664	6.1	100	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.461	16.2	100	0.00
52	TMP	2-Hexanone	0.846	0.875	-3.4	100	0.00
53	TMP	Tetrachloroethene	0.490	0.426	13.1	100	0.00
54	TMP	Dibromochloromethane	0.861	0.817	5.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.689	16.4	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.101	1.010	8.3	100	0.00
58	TMP	Ethylbenzene	1.968	1.714	12.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.195	14.3	100	0.00
60	TMP	Nonane	0.981	1.092	-11.3	100	0.00
61	TMP	Isopropylbenzene	1.792	1.795	-0.2	100	0.00
62	TMP	2-Chlorotoluene	0.448	0.449	-0.2	100	0.00
63	TMP	Propylbenzene	3.292	3.542	-7.6	100	-0.01
64	TMP	4-Ethyltoluene	1.611	1.773	-10.1	100	0.00
65	TMP	m,p-Xylene	0.633	0.631	0.3	100	0.00
66	TMP	o-Xylene	0.615	0.606	1.5	100	0.00
67	TMP	Styrene	0.819	0.924	-12.8	100	0.00
68	TMP	Bromoform	1.028	0.990	3.7	100	0.00
69	S	4-Bromofluorobenzene	0.693	0.782	-12.8	100	0.00
70	TMP	Benzyl chloride	0.987	1.333	-35.1#	102	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.572	-8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.563	-25.3	100	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.063	-5.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.024	-8.1	100	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.060	-3.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.951	-51.9#	100	0.00
77	TMP	Naphthalene	1.132	1.833	-61.9#	100	0.00
78	TMP	Hexachlorobutadiene	1.045	0.998	4.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 3.080 ppbv

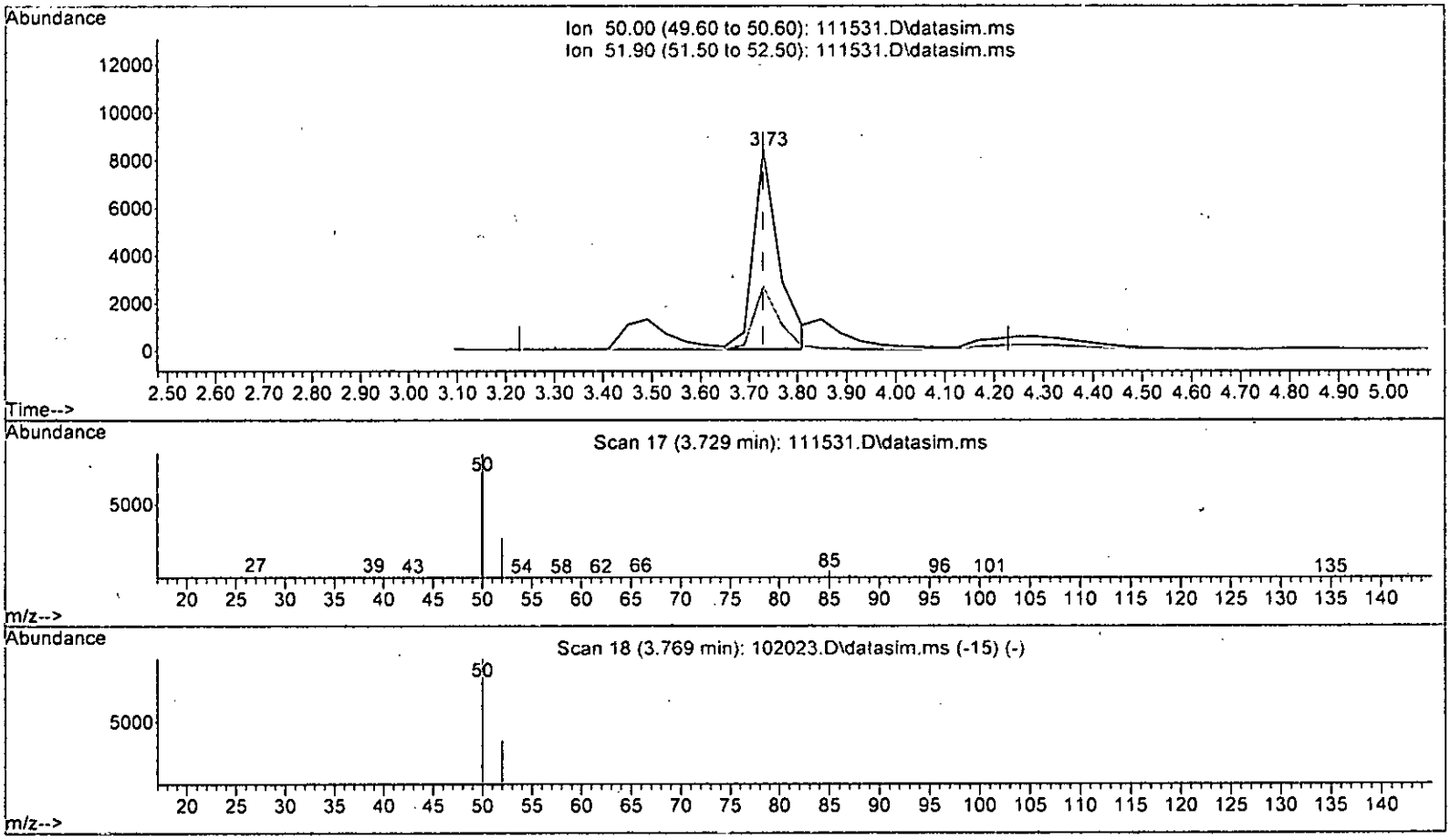
response 35937

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.87
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.642 ppbv m

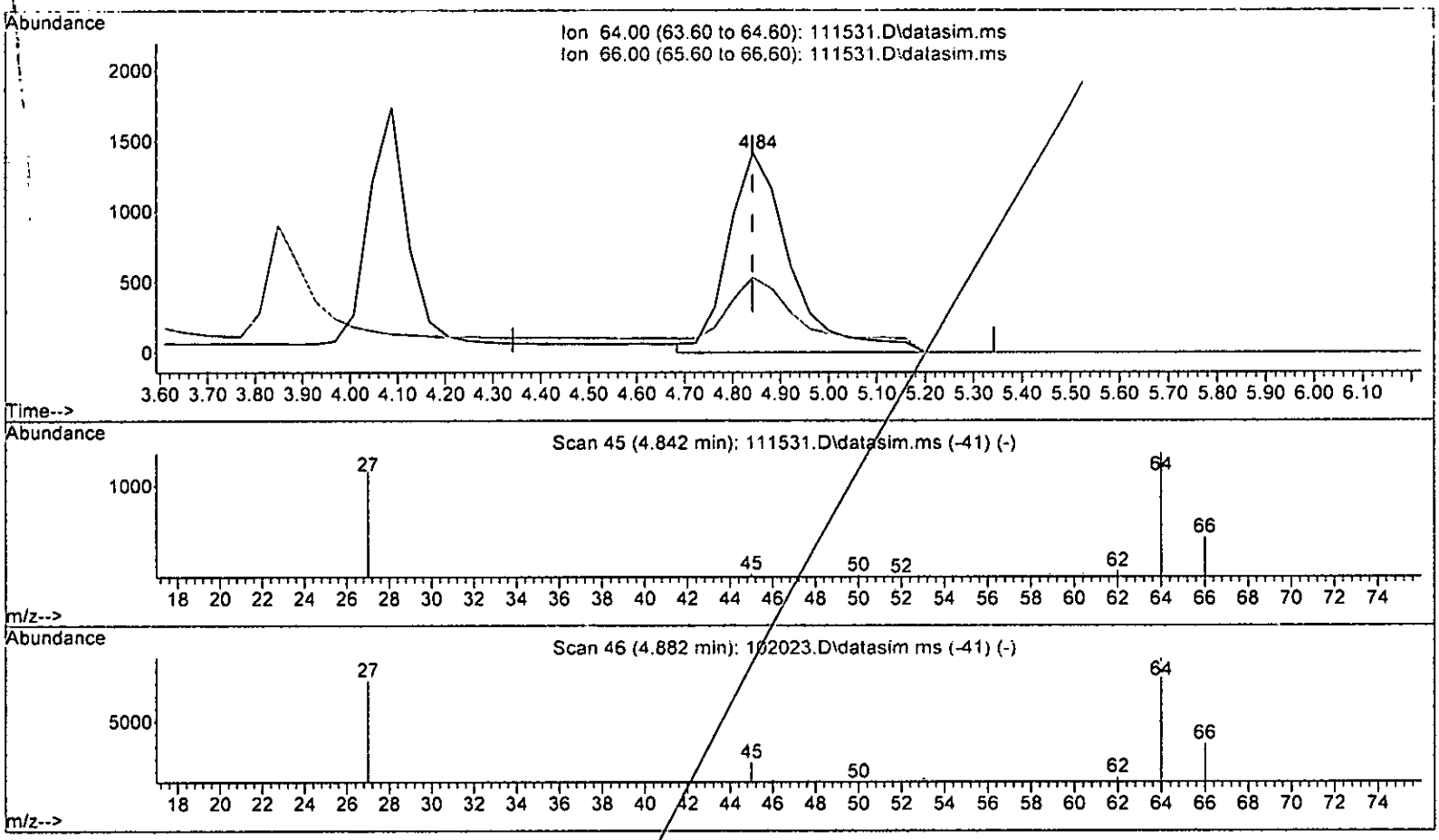
response 30819

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 3.021 ppbv

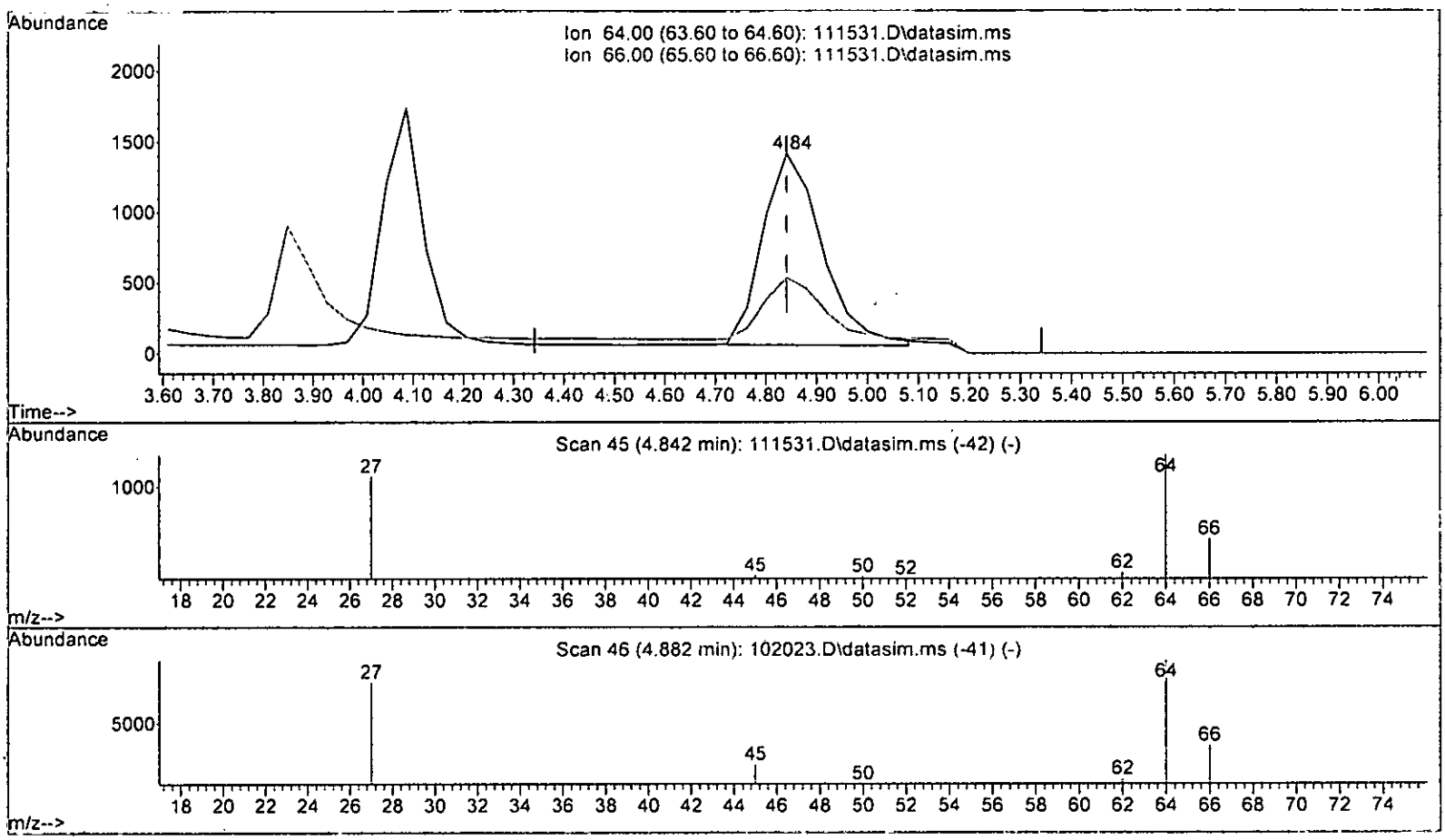
response 12254

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.000) 2.703 ppbv m

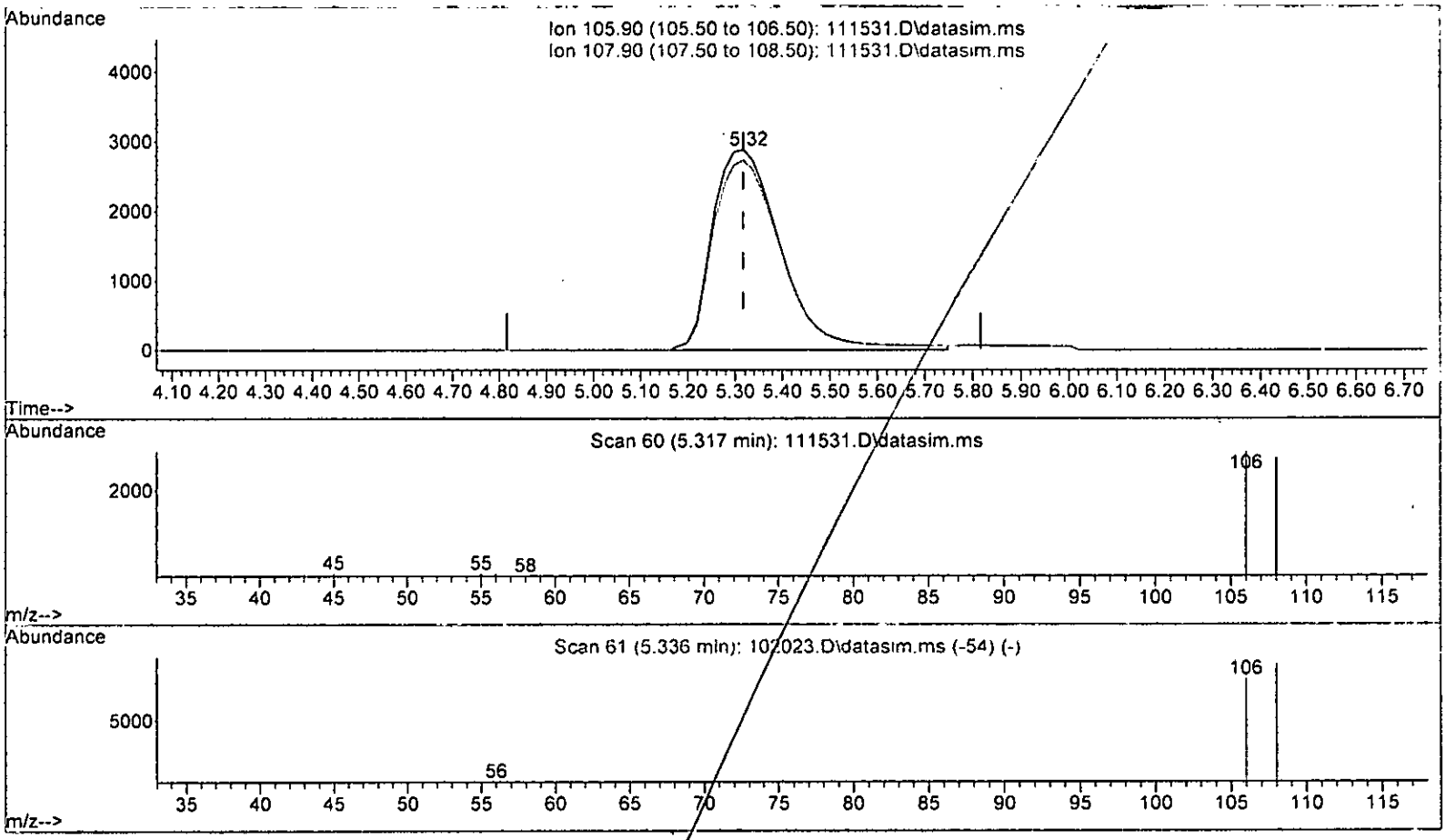
response 10966

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	37.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

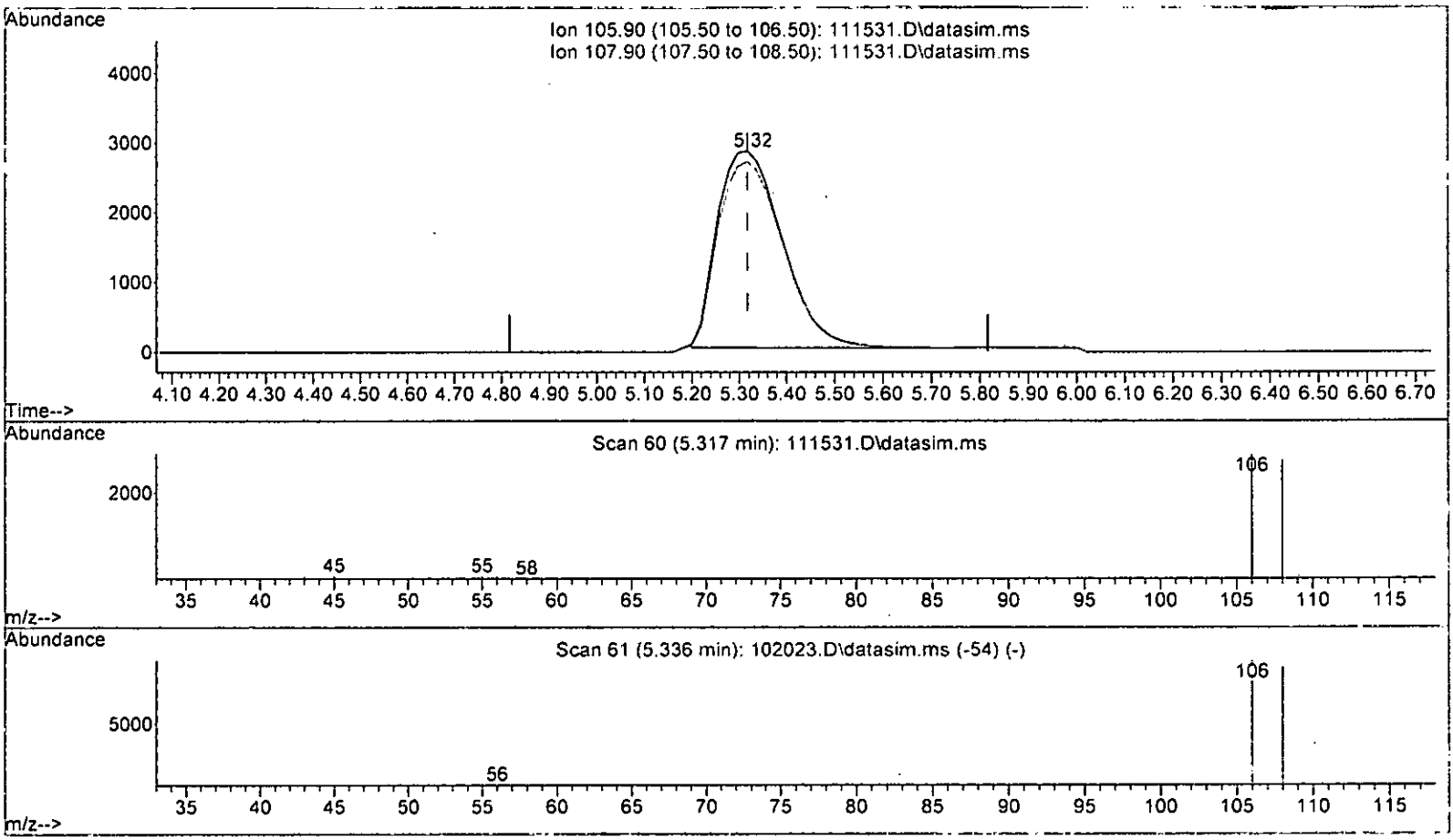
(11) Vinyl bromide (TMP)
5.317min (+ 0.000) 3.103 ppbv
response 30951

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (+ 0.000) 2.701 ppbv m

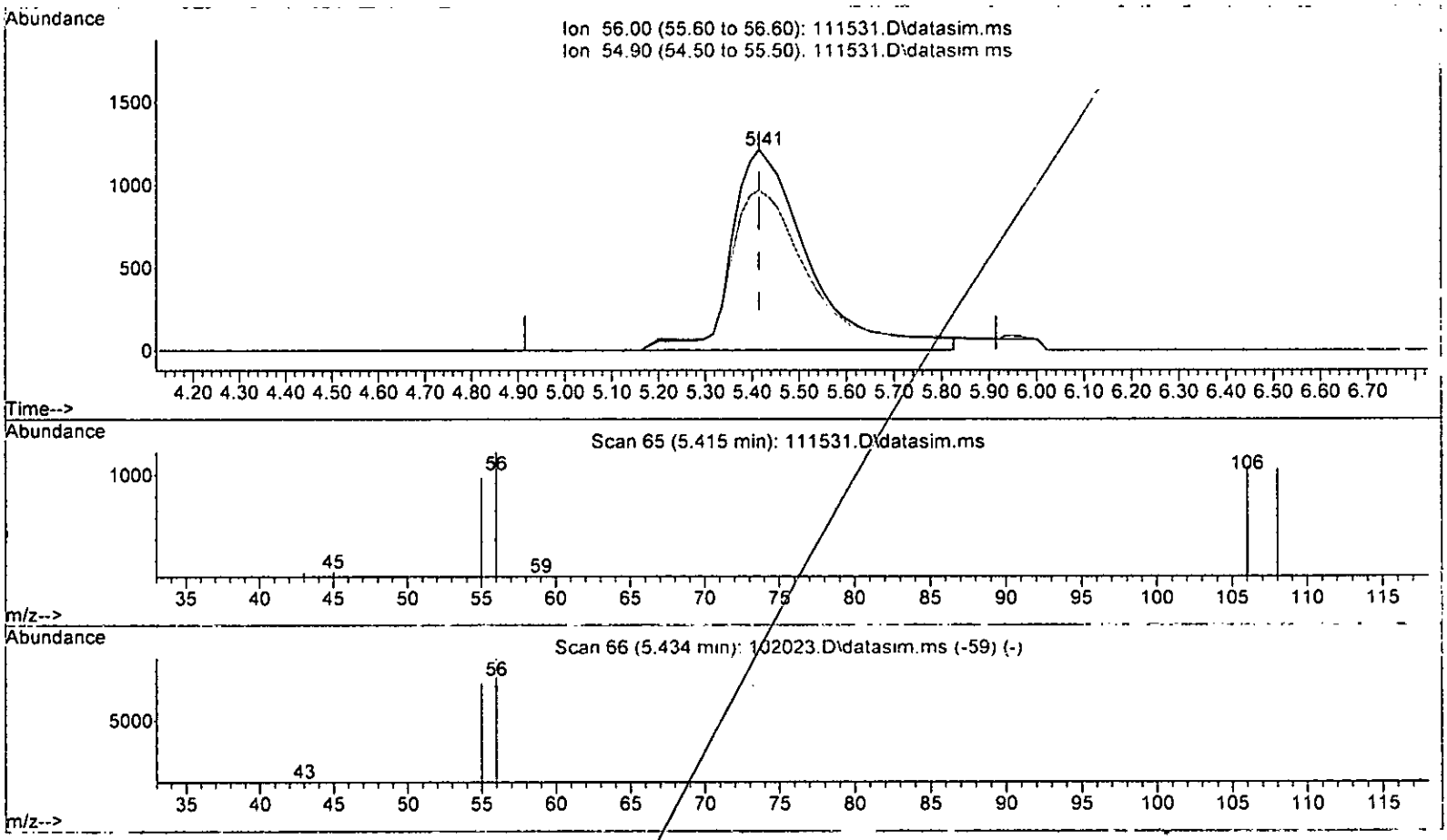
response 26943

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	108.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 3.208 ppbv

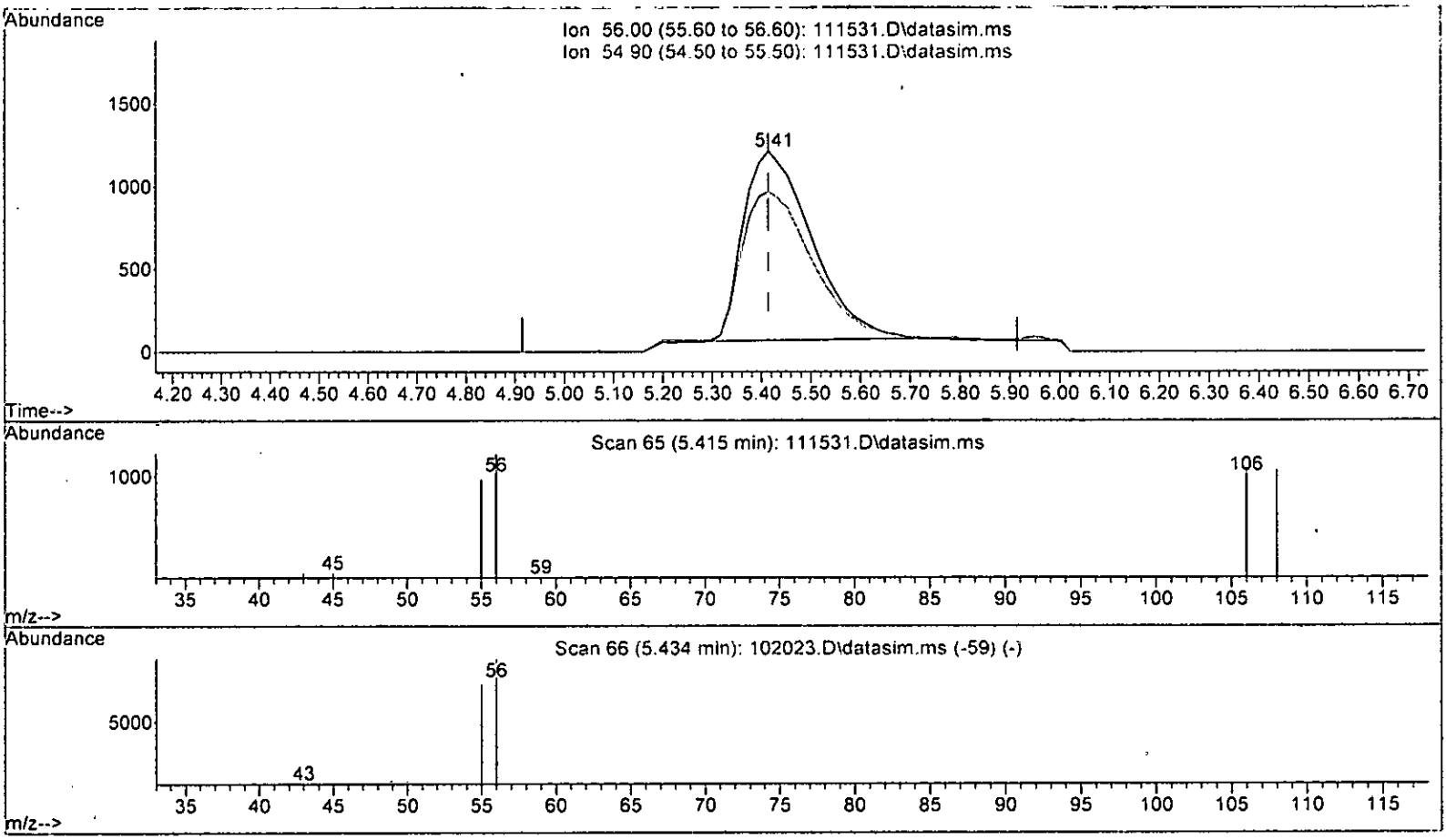
response 14492

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	67.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(13) Acrolein (TMP)

5.415min (-0.000) 2.428 ppbv m

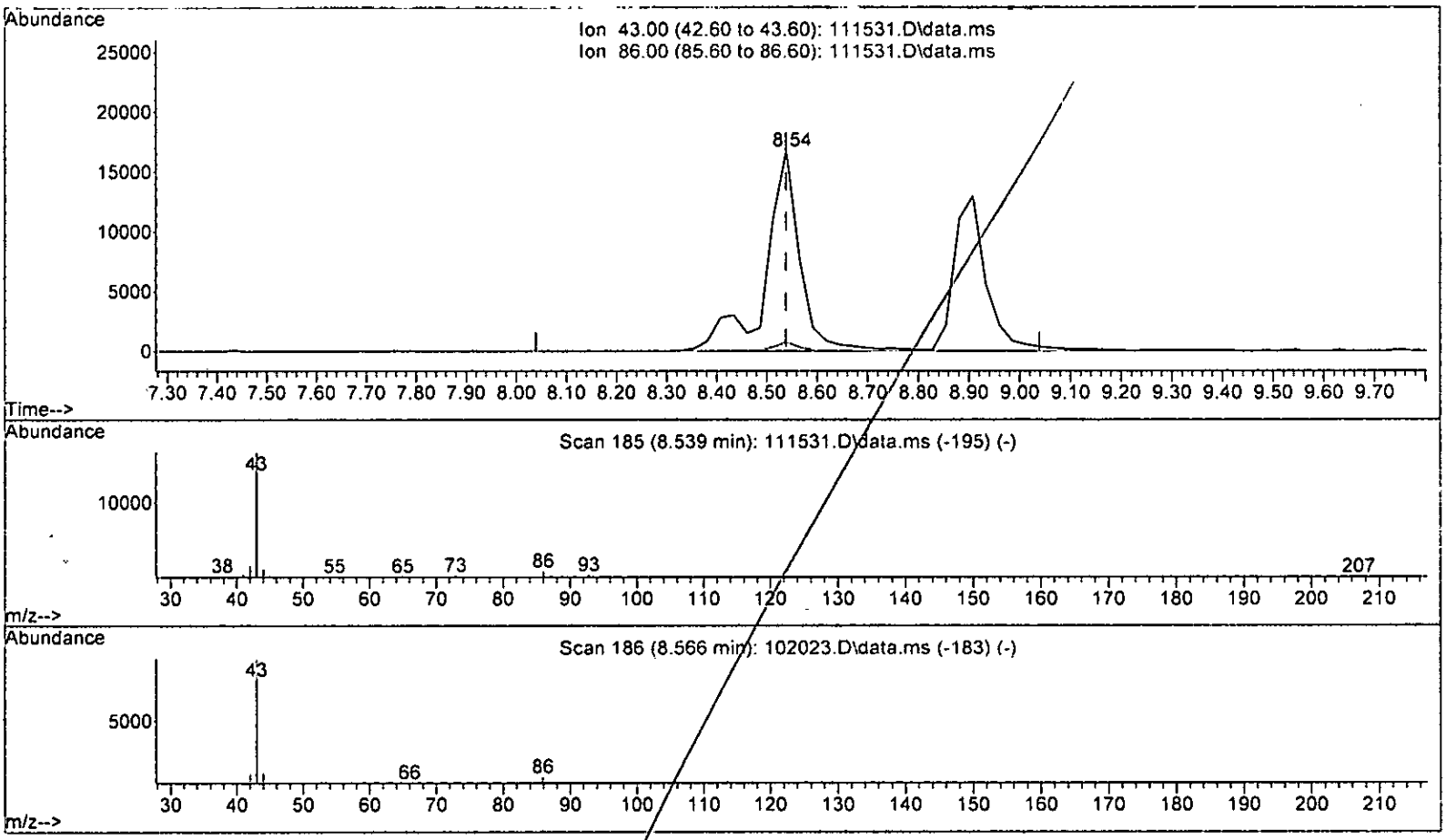
response 10966

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	89.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

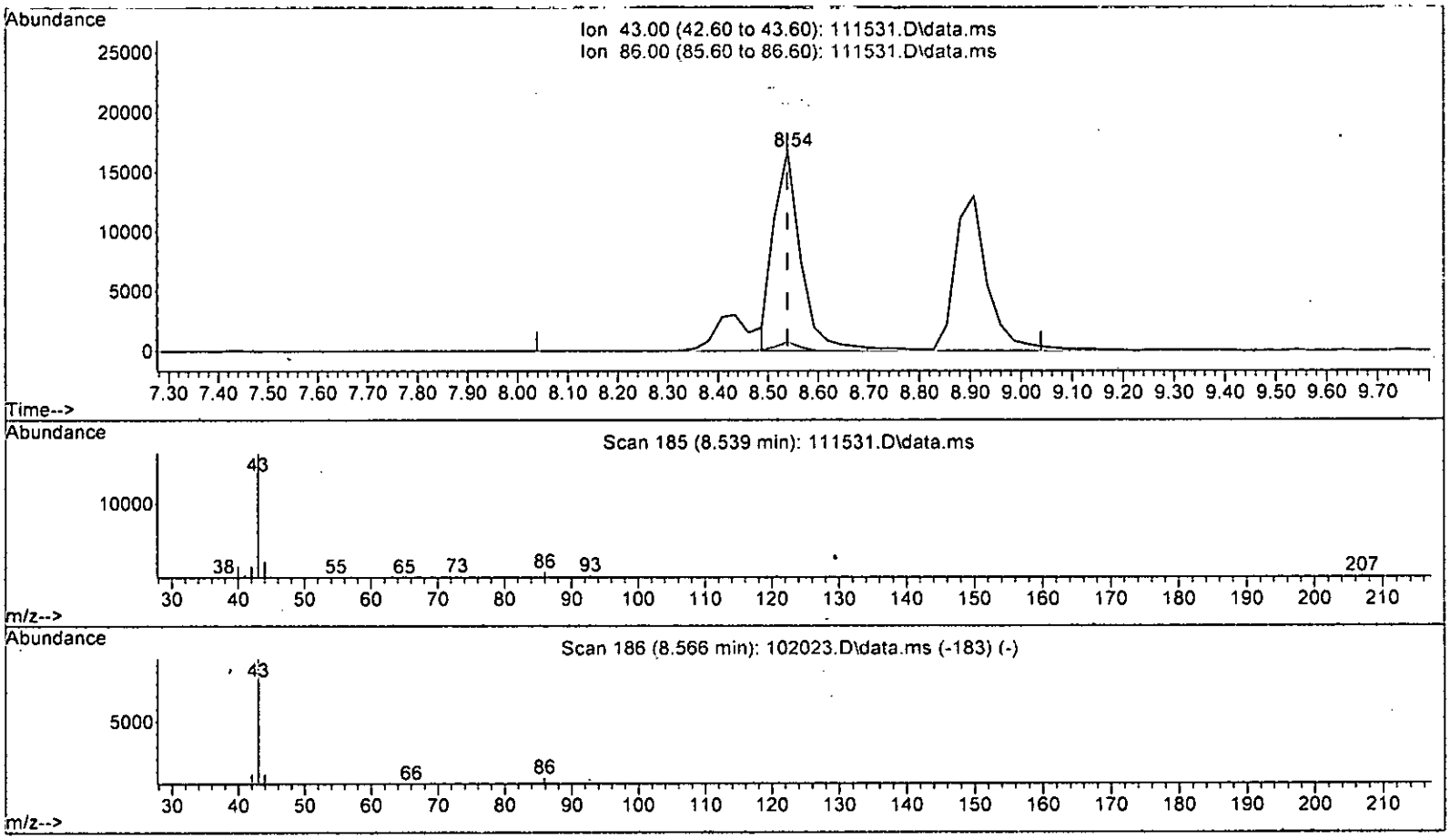
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 3.372 ppbv
response 79442

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

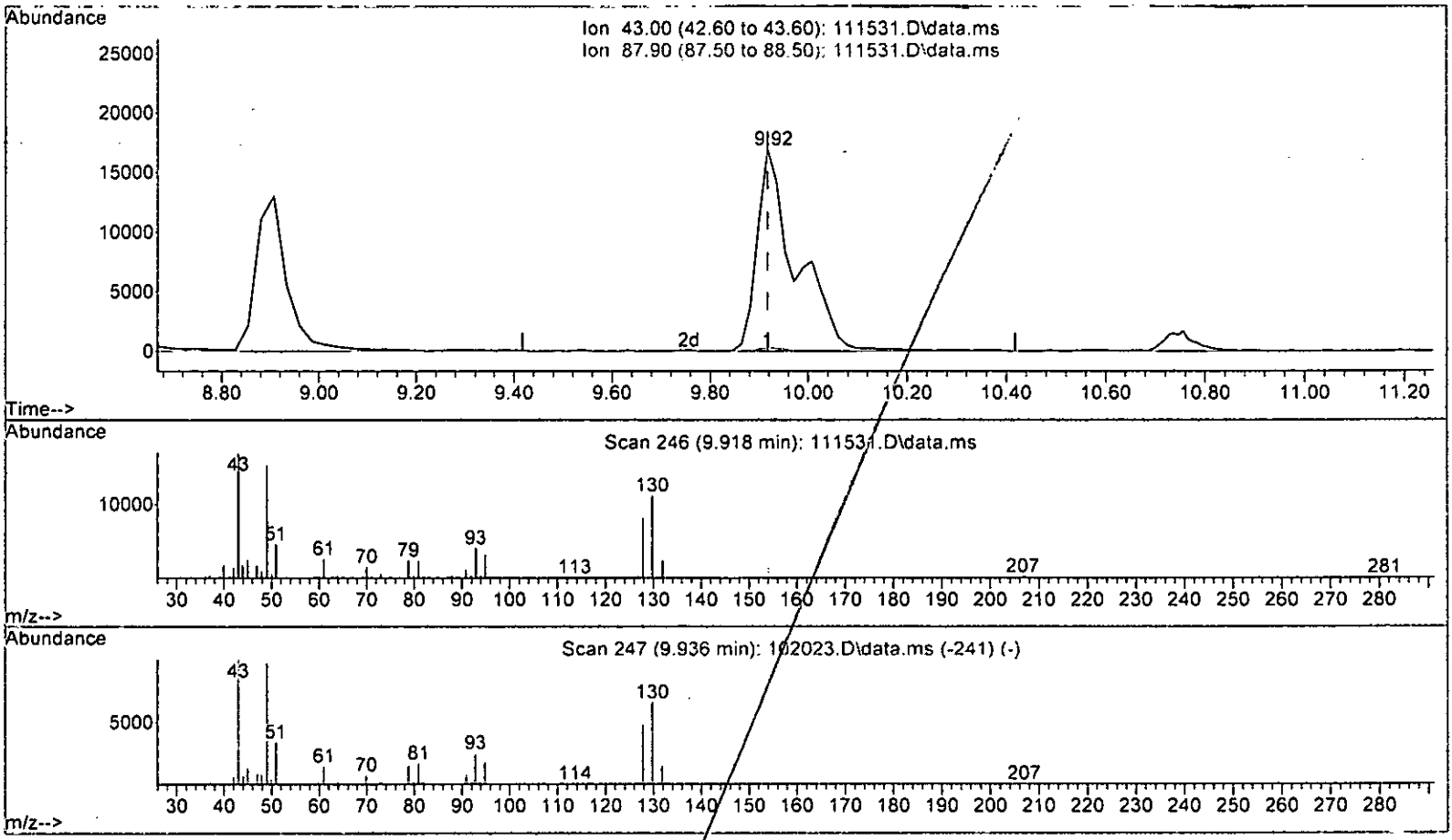
(26) Vinyl acetate (TMP)
8.539min (+ 0.000) 2.636 ppbv m
response 62089

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

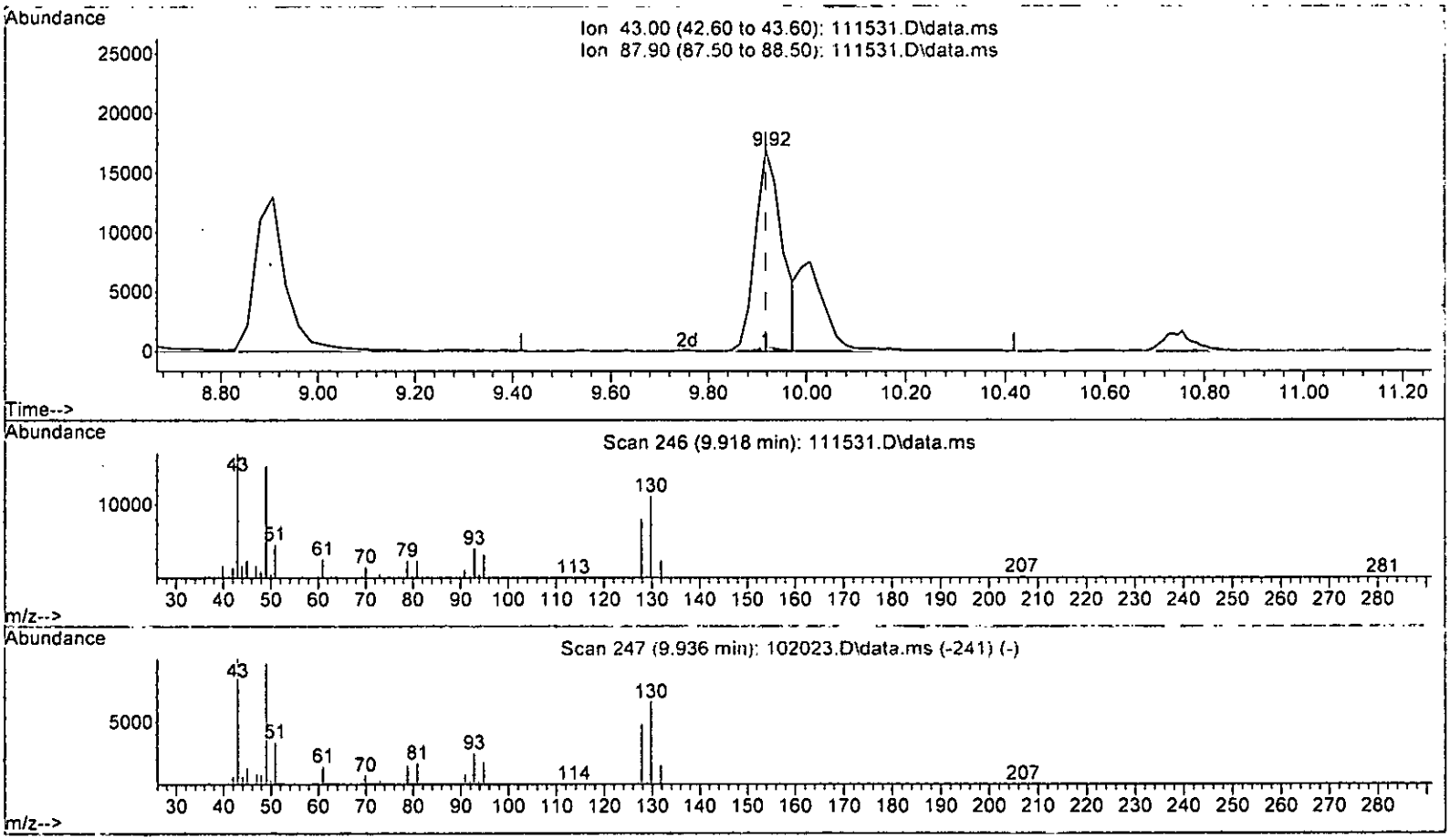
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.959 ppbv
response 92951

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

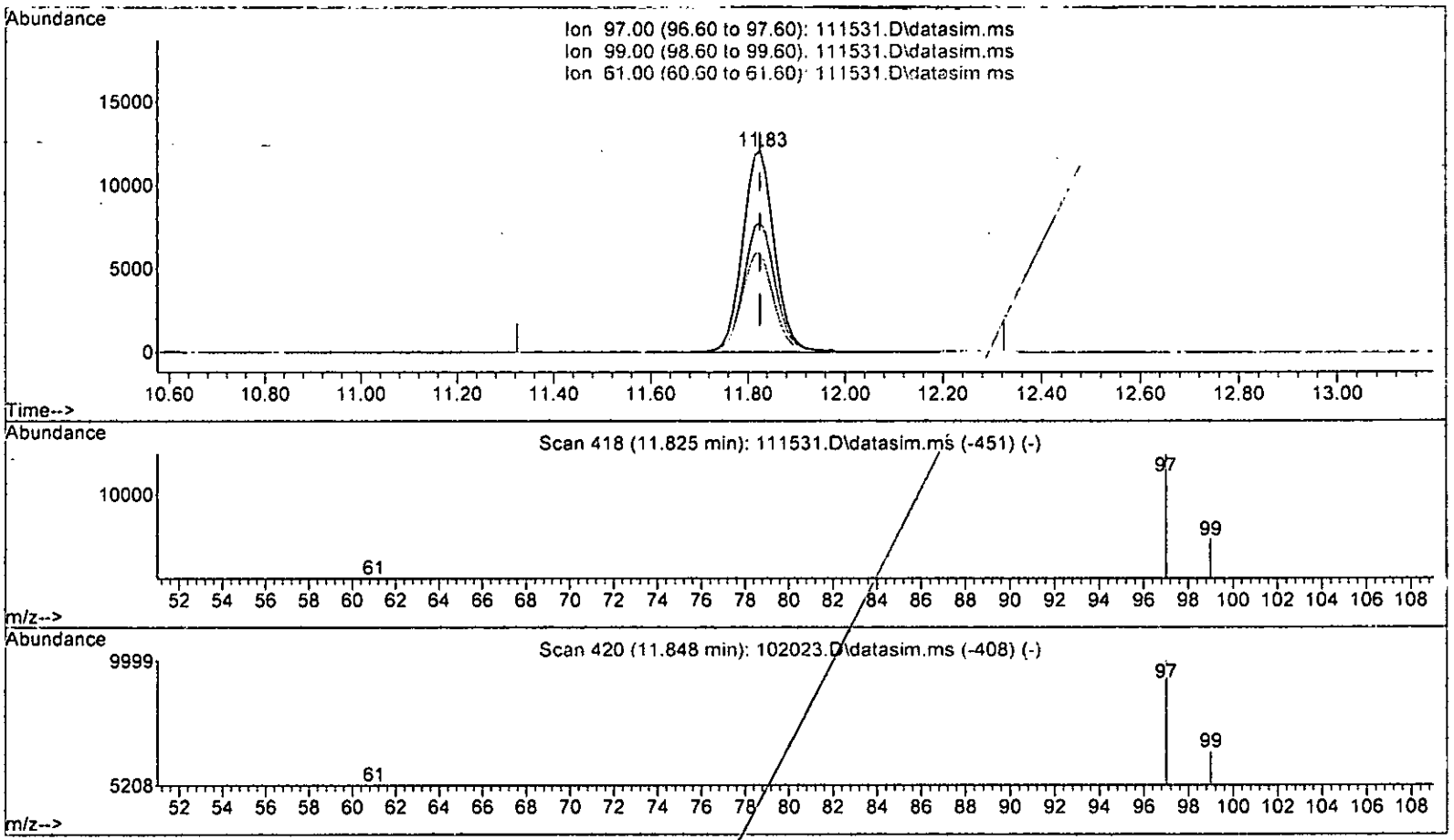
(31) Ethyl acetate (TMP)
9.918min (-0.000) 2.770 ppbv m
response 65034

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.43
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.690 ppbv

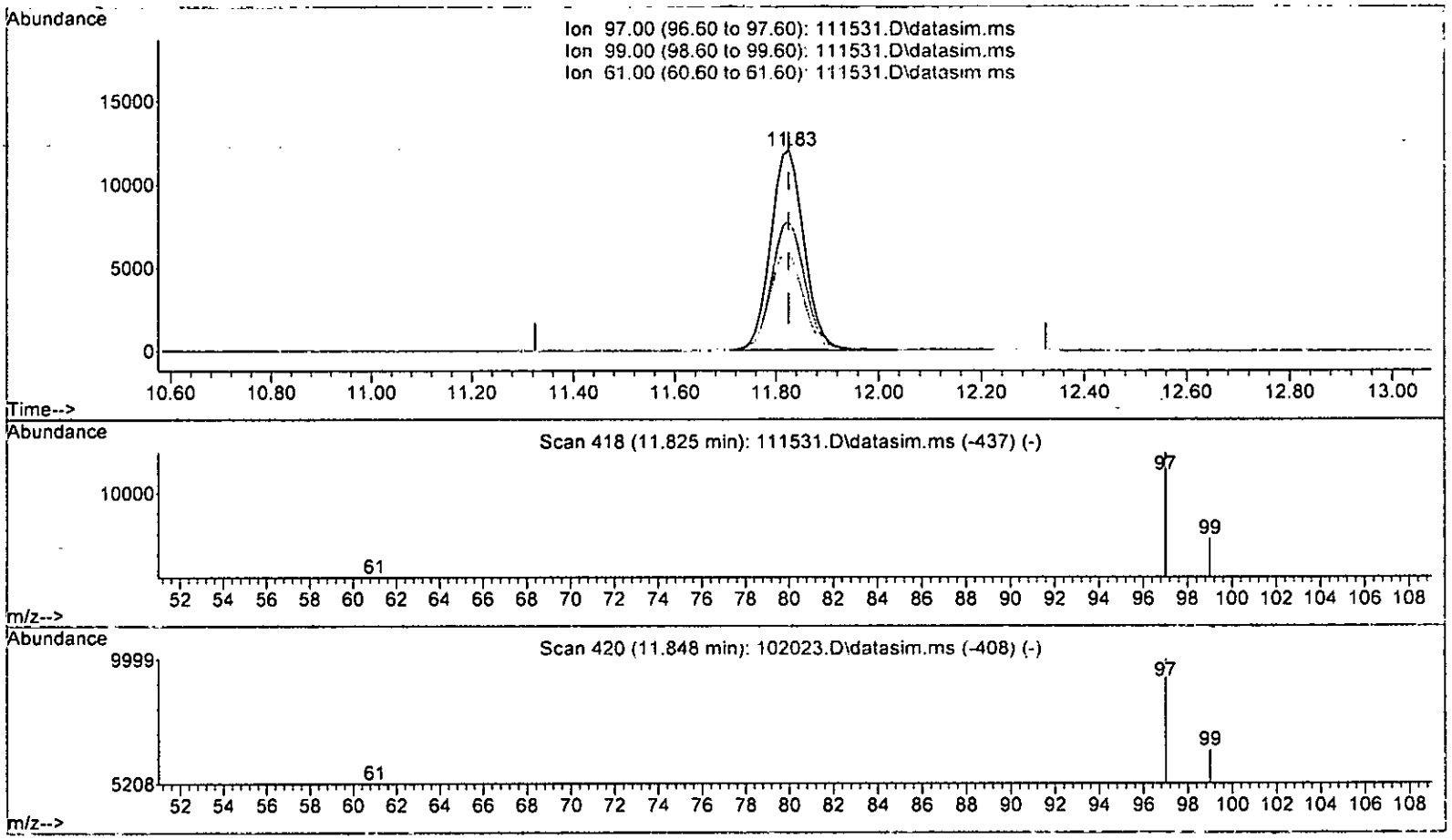
response 55745

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.90
61.00	49.30	49.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 111531.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.635 ppbv m

response 54606

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.90
61.00	49.30	49.26
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.88	128	61975	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.14	114	285054	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.13	117	252304	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.58	95	184349	10.543	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.40%				
Target Compounds							Qvalue
2) Propene	3.41	41	25209	3.082	ppbv		90
3) Dichlorodifluoromethane	3.49	85	69321	2.713	ppbv		98
4] Chloromethane	3.73	50	30819m	2.642	ppbv		
5) F-114	3.84	85	70686	2.705	ppbv		98
6] Vinyl chloride	4.09	62	29416	2.565	ppbv		98
7] 1,3-Butadiene	4.29	54	19220	2.550	ppbv	#	91
8) Butane	4.36	43	37260	2.754	ppbv		99
9) Bromomethane	4.60	94	30156	2.634	ppbv		92
10] Chloroethane	4.84	64	10966m	2.703	ppbv		
11] Vinyl bromide	5.32	106	26943m	2.701	ppbv		
12) Ethanol	4.96	45	8816	2.145	ppbv		94
13] Acrolein	5.41	56	10966m	2.428	ppbv		
14) Pentane	6.25	43	42830	2.809	ppbv		97
15) Trichlorofluoromethane	5.84	101	79079	2.669	ppbv		99
16) Acetone	5.57	58	11170	2.537	ppbv		93
17) 2-Propanol	5.80	45	51858	2.703	ppbv		93
18] 1,1-Dichloroethene	6.63	96	26078	2.557	ppbv		96
19] trans-1,2-Dichloroethene	8.10	96	25989	2.624	ppbv	#	73
20) Methylene chloride	6.80	84	26049	2.842	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	46241	2.797	ppbv	#	75
22) 3-Chloropropene	6.94	41	36089	2.832	ppbv		100
23) CFC-113	7.15	101	58356	2.714	ppbv		98
24) Carbon disulfide	7.28	76	88752	2.772	ppbv		94
25) Methyl t-butyl ether (...	8.43	73	59673	2.804	ppbv		99
26) Vinyl acetate	8.54	43	62089m	2.636	ppbv		
27] 1,1-Dichloroethane	8.36	63	55849	2.696	ppbv		99
28] cis-1,2-Dichloroethene	9.64	96	27622	2.637	ppbv		100
29) Hexane	10.01	57	35835	2.796	ppbv		97
30] Chloroform	10.08	83	66242	2.786	ppbv		95
31) Ethyl acetate	9.92	43	65034m	2.770	ppbv		
32) Tetrahydrofuran	10.75	42	30001	2.675	ppbv		97
33) 2-Butanone (MEK)	8.91	72	10955	2.856	ppbv		96
34] 1,2-Dichloroethane (EDC)	11.34	62	42782	2.697	ppbv		99
35] 1,1,1-Trichloroethane	11.83	97	54606m	2.635	ppbv		
36] Carbon tetrachloride	12.86	117	36374	1.666	ppbv		97
37] Benzene	12.61	78	88298	2.727	ppbv		95
38) Cyclohexane	13.07	84	22831	2.695	ppbv		93
40] 1,2-Dichloropropane	13.80	63	40956	2.654	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

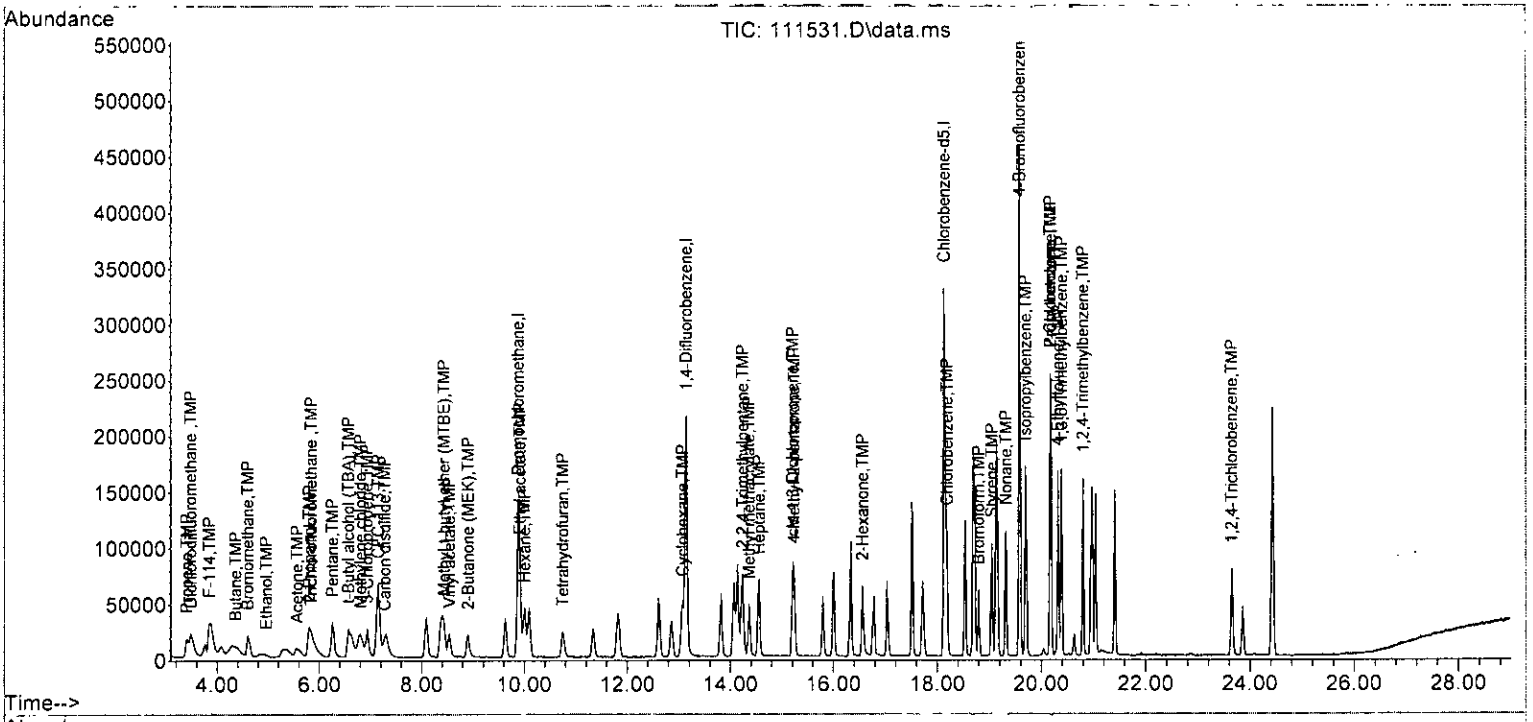
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	17518	2.669	ppbv		78
42) 2,2,4-Trimethylpentane	14.24	57	122609	2.691	ppbv		93
43) Methyl methacrylate	14.36	41	36708	2.654	ppbv		96
44) Heptane	14.56	43	51797	2.739	ppbv		98
45] Bromodichloromethane	14.04	83	59200	2.445	ppbv		100
46] Trichloroethene	14.14	95	43413	2.568	ppbv		94
47) cis-1,3-Dichloropropene	15.20	75	44702	2.619	ppbv		92
48) 4-Methyl-2-pentanone	15.23	100	3391	2.688	ppbv	#	96
49] trans-1,3-Dichloropropene	15.78	75	42262	2.633	ppbv		82
50] Toluene	16.31	92	55036	2.731	ppbv		97
51] 1,1,2-Trichloroethane	16.00	83	40225	2.741	ppbv		93
52) 2-Hexanone	16.56	43	65975	2.735	ppbv		93
53] Tetrachloroethene	17.52	164	37752	2.704	ppbv		91
54] Dibromochloromethane	16.76	129	43793	1.785	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.04	107	58426	2.699	ppbv		97
57) Chlorobenzene	18.19	112	75900	2.733	ppbv		97
58] Ethylbenzene	18.53	91	123621	2.743	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	90916	2.716	ppbv		92
60) Nonane	19.32	43	68538	2.770	ppbv		99
61) Isopropylbenzene	19.70	105	128989	2.853	ppbv		98
62) 2-Chlorotoluene	20.17	126	31705	2.805	ppbv		91
63) Propylbenzene	20.17	91	245974	2.962	ppbv		98
64) 4-Ethyltoluene	20.32	105	112314	2.763	ppbv		99
65] m,p-Xylene	18.70	106	88802	5.558	ppbv		96
66] o-Xylene	19.15	106	43533	2.806	ppbv		99
67) Styrene	19.05	104	59060	2.858	ppbv		96
68) Bromoform	18.80	173	33565	1.294	ppbv		99
70] Benzyl chloride	20.95	91	69517	2.385	ppbv		99
71) 1,3,5-Trimethylbenzene	20.39	105	108574	2.968	ppbv		98
72) 1,2,4-Trimethylbenzene	20.80	105	92552	2.713	ppbv		100
73] 1,3-Dichlorobenzene	20.98	146	73799	2.891	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	68285	2.858	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	73948	2.861	ppbv		95
76) 1,2,4-Trichlorobenzene	23.64	180	39701	2.480	ppbv		98
77] Naphthalene	23.84	128	54269	2.569	ppbv		98
78] Hexachlorobutadiene	24.44	225	70740	2.684	ppbv		100

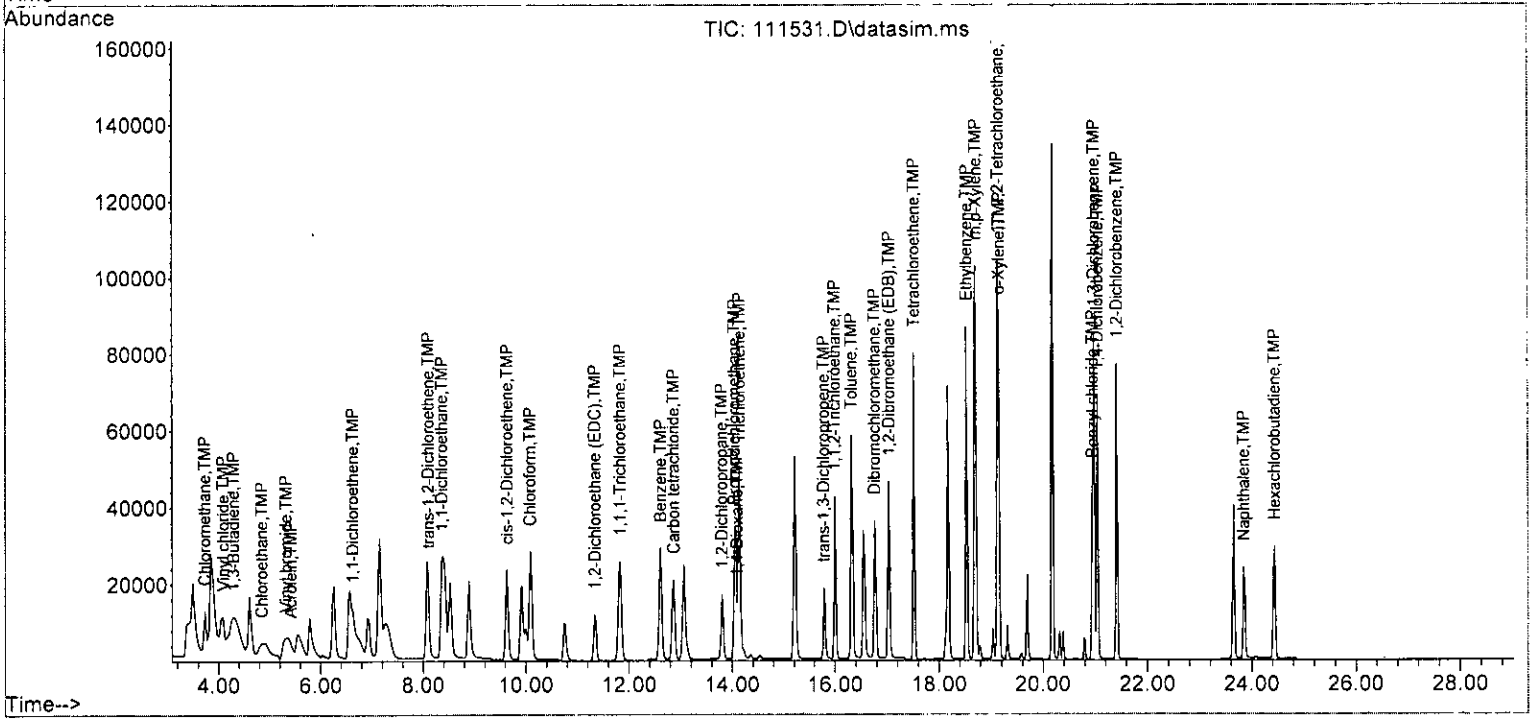
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	103	0.00
2	TMP	Propene	2.500	3.082	-23.3	118	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.713	-8.5	107	0.00
4	TMP	Chloromethane	2.500	2.642	-5.7	108	0.00
5	TMP	F-114	2.500	2.705	-8.2	112	-0.04
6	TMP	Vinyl chloride	2.500	2.565	-2.6	107	0.00
7	TMP	1,3-Butadiene	2.500	2.550	-2.0	108	0.00
8	TMP	Butane	2.500	2.754	-10.2	108	0.04
9	TMP	Bromomethane	2.500	2.634	-5.4	108	0.00
10	TMP	Chloroethane	2.500	2.703	-8.1	105	0.00
11	TMP	Vinyl bromide	2.500	2.701	-8.0	106	0.00
12	TMP	Ethanol	2.500	2.145	14.2	82	0.00
13	TMP	Acrolein	2.500	2.428	2.9	111	0.00
14	TMP	Pentane	2.500	2.809	-12.4	108	0.00
15	TMP	Trichlorofluoromethane	2.500	2.669	-6.8	102	0.00
16	TMP	Acetone	2.500	2.537	-1.5	95	0.00
17	TMP	2-Propanol	2.500	2.703	-8.1	107	0.02
18	TMP	1,1-Dichloroethene	2.500	2.557	-2.3	107	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.624	-5.0	107	0.00
20	TMP	Methylene chloride	2.500	2.842	-13.7	106	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.797	-11.9	117	0.00
22	TMP	3-Chloropropene	2.500	2.832	-13.3	115	0.00
23	TMP	CFC-113	2.500	2.714	-8.6	104	0.00
24	TMP	Carbon disulfide	2.500	2.772	-10.9	101	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.804	-12.2	108	0.00
26	TMP	Vinyl acetate	2.500	2.636	-5.4	101	0.00
27	TMP	1,1-Dichloroethane	2.500	2.696	-7.8	106	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.637	-5.5	108	0.00
29	TMP	Hexane	2.500	2.796	-11.8	113	0.00
30	TMP	Chloroform	2.500	2.786	-11.4	108	-0.02
31	TMP	Ethyl acetate	2.500	2.770	-10.8	112	0.00
32	TMP	Tetrahydrofuran	2.500	2.675	-7.0	112	0.00
33	TMP	2-Butanone (MEK)	2.500	2.856	-14.2	109	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.697	-7.9	106	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.635	-5.4	99	0.00
36	TMP	Carbon tetrachloride	2.500	1.666	33.4#	64	0.00
37	TMP	Benzene	2.500	2.727	-9.1	107	0.00
38	TMP	Cyclohexane	2.500	2.695	-7.8	105	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	103	0.00
40	TMP	1,2-Dichloropropane	2.500	2.654	-6.2	107	0.00
41	TMP	1,4-Dioxane	2.500	2.669	-6.8	114	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.691	-7.6	106	0.00
43	TMP	Methyl methacrylate	2.500	2.654	-6.2	101	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.739	-9.6	108	0.00
45	TMP	Bromodichloromethane	2.500	2.445	2.2	93	0.00
46	TMP	Trichloroethene	2.500	2.568	-2.7	108	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.619	-4.8	98	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.688	-7.5	107	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.633	-5.3	101	0.00
50	TMP	Toluene	2.500	2.731	-9.2	108	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.741	-9.6	106	0.00
52	TMP	2-Hexanone	2.500	2.735	-9.4	110	0.00
53	TMP	Tetrachloroethene	2.500	2.704	-8.2	106	0.00
54	TMP	Dibromochloromethane	2.500	1.785	28.6	69	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.699	-8.0	105	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	104	0.00
57	TMP	Chlorobenzene	2.500	2.733	-9.3	109	0.00
58	TMP	Ethylbenzene	2.500	2.743	-9.7	108	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.716	-8.6	105	0.00
60	TMP	Nonane	2.500	2.770	-10.8	107	0.02
61	TMP	Isopropylbenzene	2.500	2.853	-14.1	106	0.00
62	TMP	2-Chlorotoluene	2.500	2.805	-12.2	106	0.00
63	TMP	Propylbenzene	2.500	2.962	-18.5	109	-0.01
64	TMP	4-Ethyltoluene	2.500	2.763	-10.5	110	0.00
65	TMP	m,p-Xylene	5.000	5.558	-11.2	109	0.00
66	TMP	o-Xylene	2.500	2.806	-12.2	108	0.00
67	TMP	Styrene	2.500	2.858	-14.3	113	0.00
68	TMP	Bromoform	2.500	1.294	48.2#	50	0.00
69	S	4-Bromofluorobenzene	10.000	10.543	-5.4	102	0.00
70	TMP	Benzyl chloride	2.500	2.385	4.6	93	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.968	-18.7	108	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.713	-8.5	112	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.891	-15.6	110	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.858	-14.3	111	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.861	-14.4	109	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.480	0.8	120	0.00
77	TMP	Naphthalene	2.500	2.569	-2.8	124	0.00
78	TMP	Hexachlorobutadiene	2.500	2.684	-7.4	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	103	0.00
2	TMP	Propene	1.556	1.627	-4.6	118	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.474	-8.5	107	0.00
4	TMP	Chloromethane	1.882	1.989	-5.7	108	0.00
5	TMP	F-114	4.217	4.562	-8.2	112	-0.04
6	TMP	Vinyl chloride	1.851	1.899	-2.6	107	0.00
7	TMP	1,3-Butadiene	1.216	1.241	-2.1	108	0.00
8	TMP	Butane	2.183	2.405	-10.2	108	0.04
9	TMP	Bromomethane	1.847	1.946	-5.4	108	0.00
10	TMP	Chloroethane	0.655	0.708	-8.1	105	0.00
11	TMP	Vinyl bromide	1.609	1.739	-8.1	106	0.00
12	TMP	Ethanol	0.663	0.569	14.2	82	0.00
13	TMP	Acrolein	0.729	0.708	2.9	111	0.00
14	TMP	Pentane	2.461	2.764	-12.3	108	0.00
15	TMP	Trichlorofluoromethane	4.781	5.104	-6.8	102	0.00
16	TMP	Acetone	0.710	0.721	-1.5	95	0.00
17	TMP	2-Propanol	3.096	3.347	-8.1	107	0.02
18	TMP	1,1-Dichloroethene	1.645	1.683	-2.3	107	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.677	-4.9	107	0.00
20	TMP	Methylene chloride	1.479	1.681	-13.7	106	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.984	-11.8	117	0.00
22	TMP	3-Chloropropene	2.056	2.329	-13.3	115	0.00
23	TMP	CFC-113	3.469	3.766	-8.6	104	0.00
24	TMP	Carbon disulfide	5.167	5.728	-10.9	101	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.434	3.851	-12.1	108	0.00
26	TMP	Vinyl acetate	3.801	4.007	-5.4	101	0.00
27	TMP	1,1-Dichloroethane	3.342	3.605	-7.9	106	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.783	-5.5	108	0.00
29	TMP	Hexane	2.068	2.313	-11.8	113	0.00
30	TMP	Chloroform	4.060	4.275	-5.3	108	-0.02
31	TMP	Ethyl acetate	3.789	4.197	-10.8	112	0.00
32	TMP	Tetrahydrofuran	1.809	1.936	-7.0	112	0.00
33	TMP	2-Butanone (MEK)	0.619	0.707	-14.2	109	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.761	-2.8	106	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.524	-5.4	99	0.00
36	TMP	Carbon tetrachloride	3.523	2.348	33.4#	64	0.00
37	TMP	Benzene	5.688	5.699	-0.2	107	0.00
38	TMP	Cyclohexane	1.367	1.474	-7.8	105	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
40	TMP	1,2-Dichloropropane	0.541	0.575	-6.3	107	0.00
41	TMP	1,4-Dioxane	0.230	0.246	-7.0	114	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.721	-7.7	106	0.00
43	TMP	Methyl methacrylate	0.485	0.515	-6.2	101	0.00

Data Path : D:\Proc_GCMS7\11-15-22\
Data File : 111531.D
Acq On : 16 Nov 2022 1:27 pm
Operator : bat
Sample : 2.5 ppbv 67-167a
Misc : T7, 25cc of 25ppbv
ALS Vial : 31 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Nov 18 15:18:58 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.727	-9.7	108	0.00
45	TMP	Bromodichloromethane	0.850	0.831	2.2	93	0.00
46	TMP	Trichloroethene	0.593	0.609	-2.7	108	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.627	-4.7	98	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.048	-9.1	107	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.593	-5.3	101	0.00
50	TMP	Toluene	0.707	0.772	-9.2	108	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.564	-2.5	106	0.00
52	TMP	2-Hexanone	0.846	0.926	-9.5	110	0.00
53	TMP	Tetrachloroethene	0.490	0.530	-8.2	106	0.00
54	TMP	Dibromochloromethane	0.861	0.615	28.6	69	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.820	0.5	105	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
57	TMP	Chlorobenzene	1.101	1.203	-9.3	109	0.00
58	TMP	Ethylbenzene	1.968	1.960	0.4	108	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.441	-3.4	105	0.00
60	TMP	Nonane	0.981	1.087	-10.8	107	0.02
61	TMP	Isopropylbenzene	1.792	2.045	-14.1	106	0.00
62	TMP	2-Chlorotoluene	0.448	0.503	-12.3	106	0.00
63	TMP	Propylbenzene	3.292	3.900	-18.5	109	-0.01
64	TMP	4-Ethyltoluene	1.611	1.781	-10.6	110	0.00
65	TMP	m,p-Xylene	0.633	0.704	-11.2	109	0.00
66	TMP	o-Xylene	0.615	0.690	-12.2	108	0.00
67	TMP	Styrene	0.819	0.936	-14.3	113	0.00
68	TMP	Bromoform	1.028	0.532	48.2#	50#	0.00
69	S	4-Bromofluorobenzene	0.693	0.731	-5.5	102	0.00
70	TMP	Benzyl chloride	0.987	1.102	-11.7	93	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.721	-18.7	108	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.467	-17.6	112	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.170	-15.6	110	0.00
74	TMP	1,4-Dichlorobenzene	0.947	1.083	-14.4	111	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.172	-14.5	109	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.629	-0.5	120	0.00
77	TMP	Naphthalene	1.132	0.860	24.0	124	0.00
78	TMP	Hexachlorobutadiene	1.045	1.122	-7.4	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA TO-15
CCV Summaries

Spike Recovery and RPD Summary Report - WATER

Method : D:\GCMS7 Methods\1115TO15ss7.M (RTE Integrator)
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration

Non-Spiked Sample: 121611.D

	Spike Sample	Spike Duplicate Sample
File ID :	121603.D	121603.D
Sample :	02-2970 lcs/ 2.5 ppbv 68-40a	02-2970 lcs/ 2.5 ppbv 68-40a
Acq Time:	16 Dec 2022 3:55 pm	16 Dec 2022 3:55 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Propene	0.0	3	3	3	106	106	0	20	70-130
Dichlorodifluorometh	0.0	3	2	2	98	98	0	20	70-130
Chloromethane	0.0	3	2	2	92	92	0	20	70-130
F-114	0.0	3	2	2	93	93	0	20	70-130
Vinyl chloride	0.0	3	2	2	87	87	0	20	70-130
1,3-Butadiene	0.0	3	2	2	79	79	0	20	70-130
Butane	0.9	3	2	2	55#	55#	0	20	70-130
Bromomethane	0.0	3	2	2	90	90	0	20	70-130
Chloroethane	0.0	3	2	2	95	95	0	20	70-130
Vinyl bromide	0.0	3	2	2	92	92	0	20	70-130
Ethanol	0.0	3	5	5	211#	211#	0	20	70-130
Acrolein	0.0	3	2	2	78	78	0	20	70-130
Pentane	0.1	3	2	2	80	80	0	20	70-130
Trichlorofluorometha	0.0	3	3	3	103	103	0	20	70-130
Acetone	0.2	3	2	2	84	84	0	20	70-130
2-Propanol	0.0	3	2	2	95	95	0	20	70-130
1,1-Dichloroethene	0.0	3	2	2	88	88	0	20	70-130
trans-1,2-Dichloroet	0.0	3	2	2	89	89	0	20	70-130
Methylene chloride	0.1	3	3	3	117	117	0	20	70-130
t-Butyl alcohol (TBA	0.0	3	2	2	94	94	0	20	70-130
3-Chloropropene	0.0	3	2	2	89	89	0	20	70-130
CFC-113	0.0	3	3	3	100	100	0	20	70-130
Carbon disulfide	0.0	3	2	2	89	89	0	20	70-130
Methyl t-butyl ether	0.0	3	2	2	86	86	0	20	70-130
Vinyl acetate	0.0	3	2	2	89	89	0	20	70-130
1,1-Dichloroethane	0.0	3	2	2	96	96	0	20	70-130
cis-1,2-Dichloroethe	0.0	3	2	2	87	87	0	20	70-130
Hexane	0.0	3	2	2	80	80	0	20	70-130
Chloroform	0.0	3	3	3	100	100	0	20	70-130
Ethyl acetate	0.0	3	2	2	87	87	0	20	70-130
Tetrahydrofuran	0.0	3	2	2	86	86	0	20	70-130
2-Butanone (MEK)	0.0	3	2	2	95	95	0	20	70-130
1,2-Dichloroethane (I	0.0	3	3	3	100	100	0	20	70-130
1,1,1-Trichloroethan	0.0	3	3	3	104	104	0	20	70-130
Carbon tetrachloride	0.0	3	3	3	106	106	0	20	70-130
Benzene	0.0	3	2	2	91	91	0	20	70-130

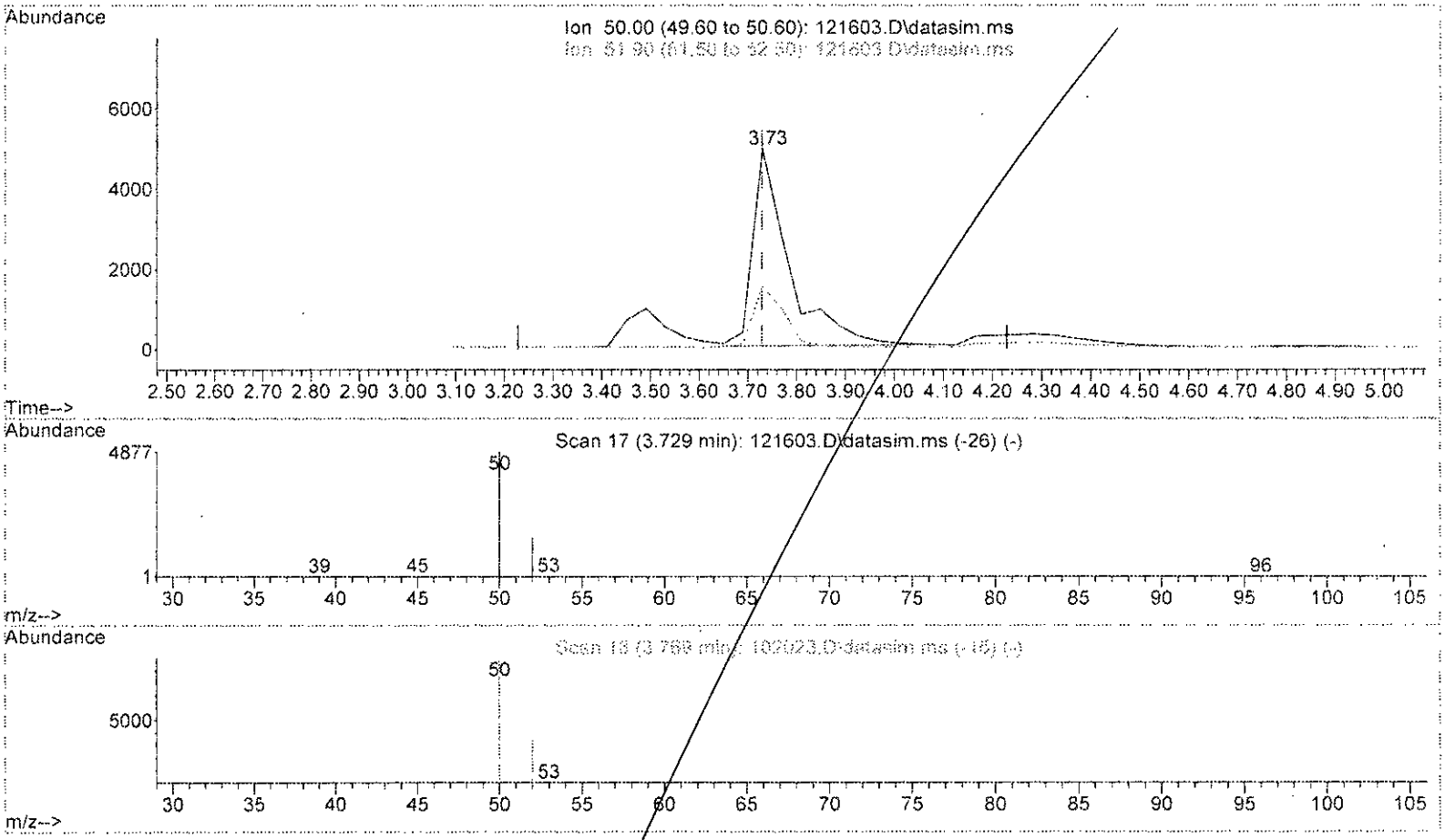
Cyclohexane	0.0	3	2	2	79	79	0	20	70-130
1,2-Dichloropropane	0.0	3	3	3	101	101	0	20	70-130
1,4-Dioxane	0.0	3	2	2	92	92	0	20	70-130
2,2,4-Trimethylpenta	0.0	3	2	2	89	89	0	20	70-130
Methyl methacrylate	0.0	3	2	2	98	98	0	20	70-130
Heptane	0.0	3	2	2	94	94	0	20	70-130
Bromodichloromethane	0.0	3	3	3	114	114	0	20	70-130
Trichloroethene	0.0	3	3	3	100	100	0	20	70-130
cis-1,3-Dichloroprop	0.0	3	3	3	103	103	0	20	70-130
4-Methyl-2-pentanone	0.0	3	3	3	100	100	0	20	70-130
trans-1,3-Dichloropr	0.0	3	3	3	106	106	0	20	70-130
Toluene	0.1	3	2	2	92	92	0	20	70-130
1,1,2-Trichloroethan	0.0	3	3	3	110	110	0	20	70-130
2-Hexanone	0.0	3	2	2	99	99	0	20	70-130
Tetrachloroethene	0.0	3	3	3	108	108	0	20	70-130
Dibromochloromethane	0.0	3	3	3	115	115	0	20	70-130
1,2-Dibromoethane (E	0.0	3	3	3	109	109	0	20	70-130
Chlorobenzene	0.0	3	3	3	102	102	0	20	70-130
Ethylbenzene	0.0	3	2	2	89	89	0	20	70-130
1,1,2,2-Tetrachloroe	0.0	3	3	3	111	111	0	20	70-130
Nonane	0.0	3	2	2	83	83	0	20	70-130
Isopropylbenzene	0.0	3	2	2	98	98	0	20	70-130
2-Chlorotoluene	0.0	3	2	2	97	97	0	20	70-130
Propylbenzene	0.0	3	2	2	95	95	0	20	70-130
4-Ethyltoluene	0.0	3	2	2	84	84	0	20	70-130
m,p-Xylene	0.0	5	5	5	91	91	0	20	70-130
o-Xylene	0.0	3	2	2	94	94	0	20	70-130
Styrene	0.0	3	2	2	85	85	0	20	70-130
Bromoform	0.0	3	3	3	114	114	0	20	70-130
Benzyl chloride	0.0	3	3	3	107	107	0	20	70-130
1,3,5-Trimethylbenze	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trimethylbenze	0.1	3	2	2	76	76	0	20	70-130
1,3-Dichlorobenzene	0.0	3	3	3	102	102	0	20	70-130
1,4-Dichlorobenzene	0.0	3	2	2	98	98	0	20	70-130
1,2-Dichlorobenzene	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trichlorobenze	0.0	3	2	2	70#	70#	0	20	70-130
Naphthalene	0.0	3	2	2	63#	63#	0	20	70-130
Hexachlorobutadiene	0.0	3	3	3	111	111	0	20	70-130

- Fails Limit Check

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.739 ppbv

response 25108

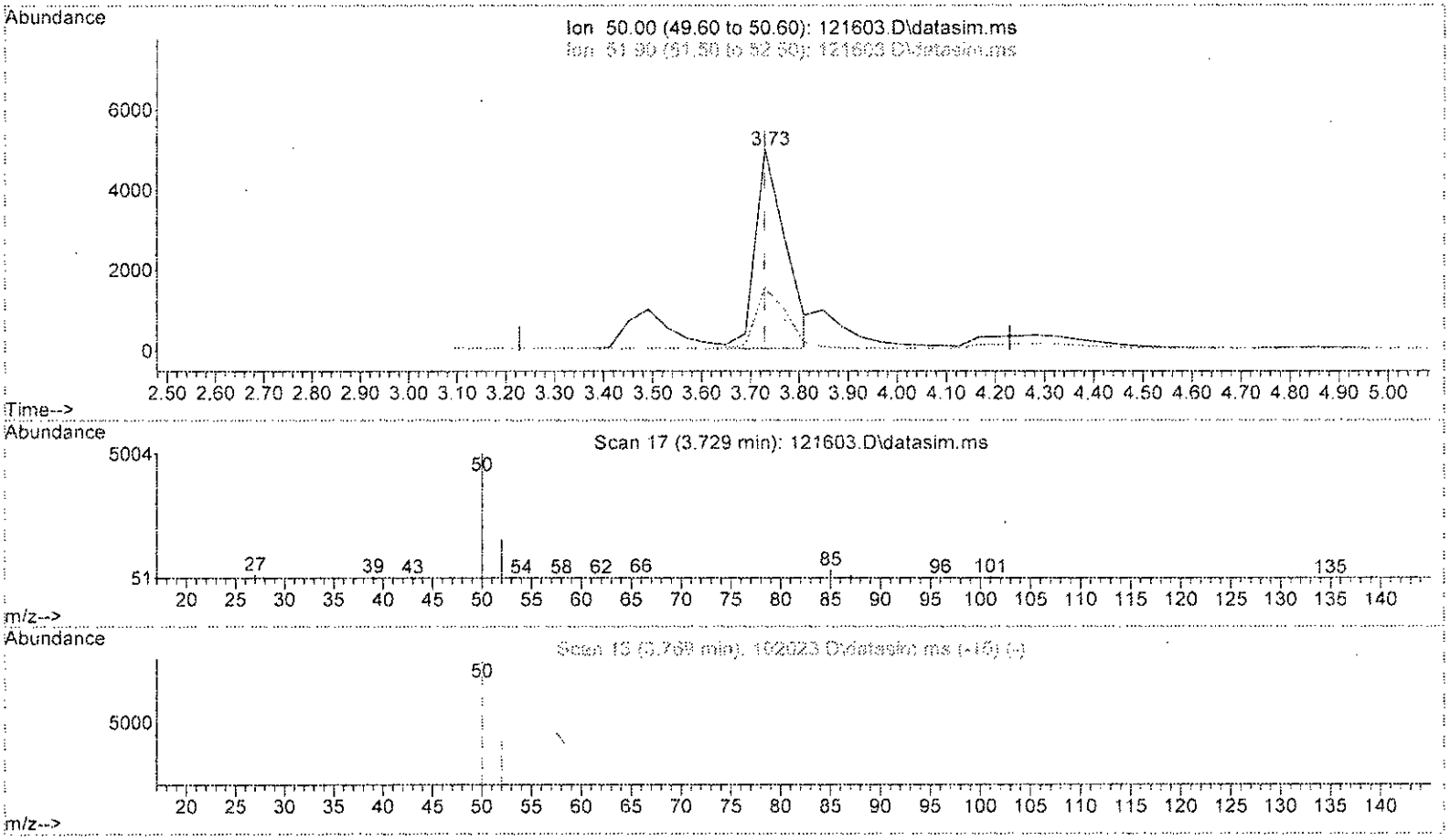
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.71
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.312 ppbv m

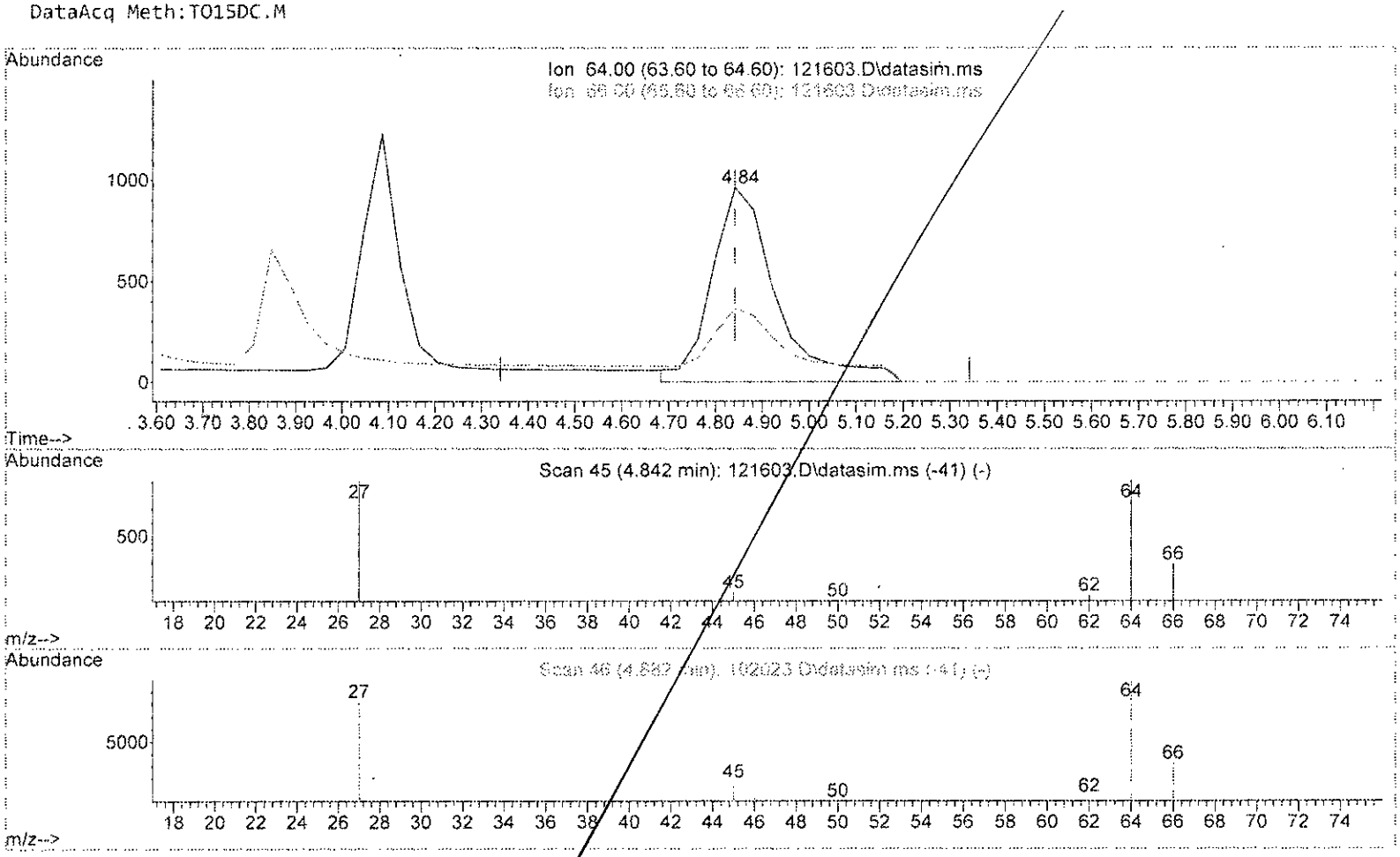
response 21198

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 2.768 ppbv

response 8823

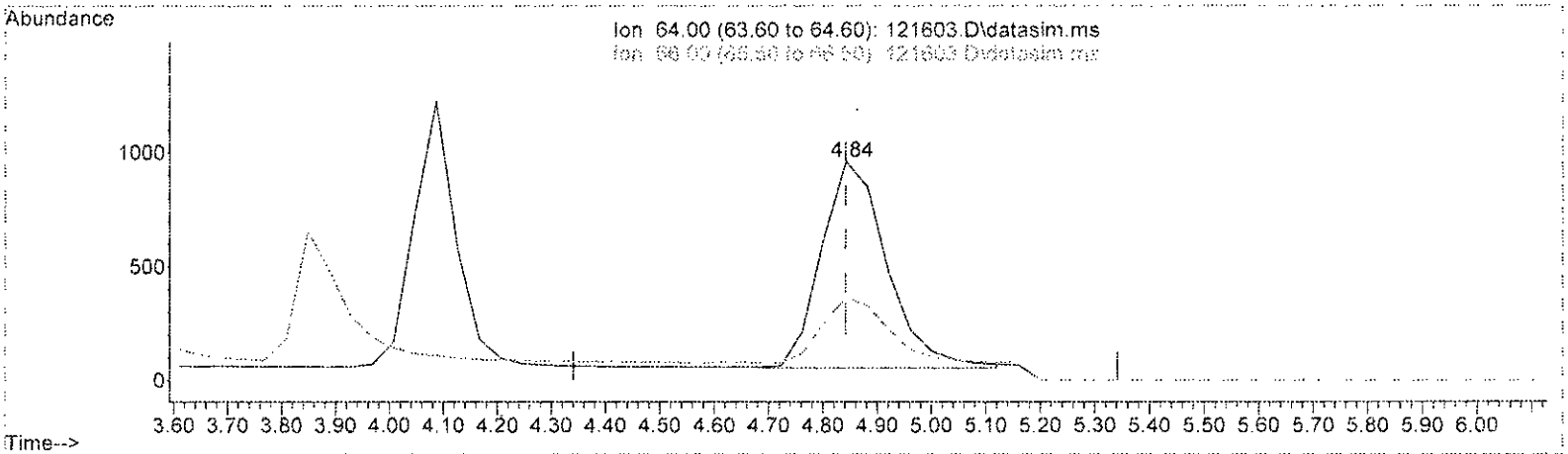
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	38.02
0.00	0.00	0.00
0.00	0.00	0.00

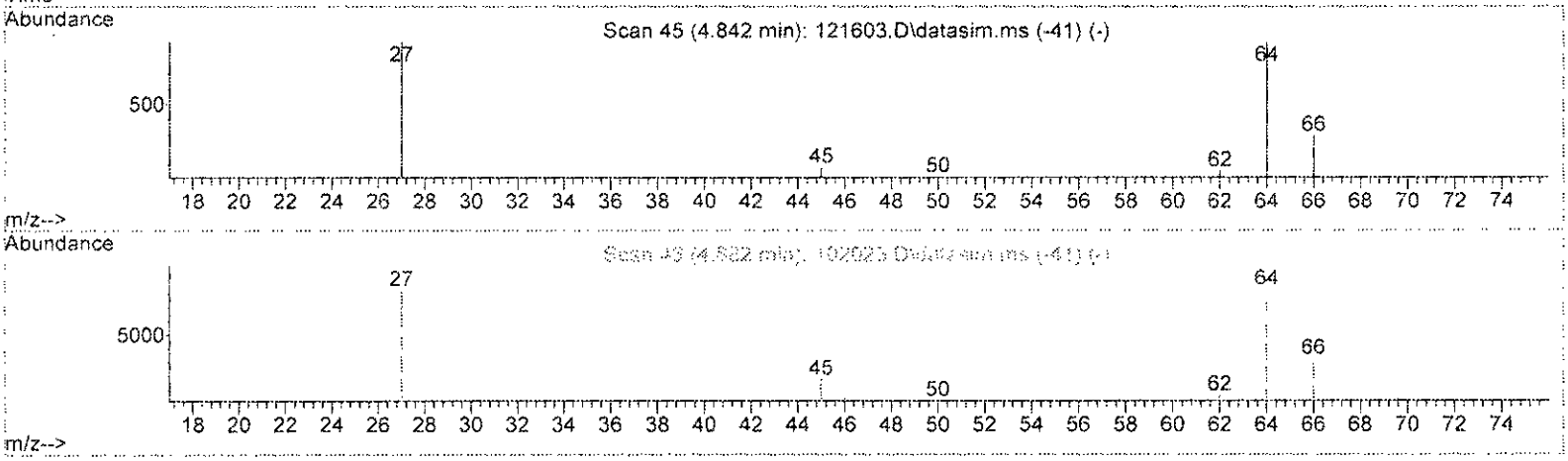
12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121603.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 2.379 ppbv m

response 7582

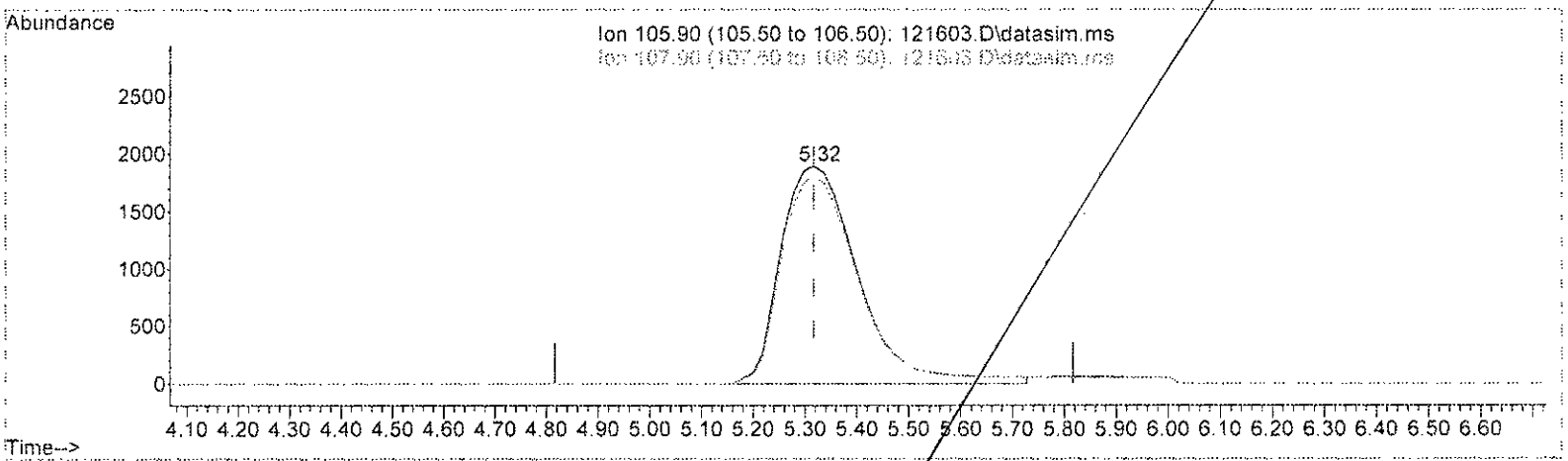
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	38.02
0.00	0.00	0.00
0.00	0.00	0.00

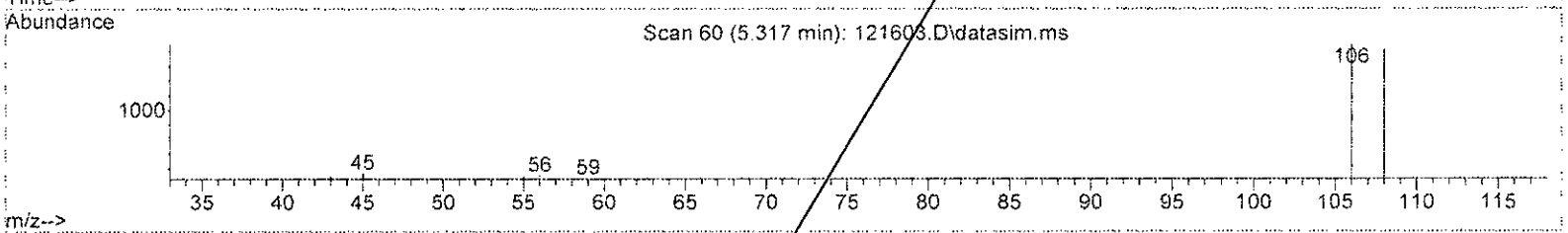
12/19/22

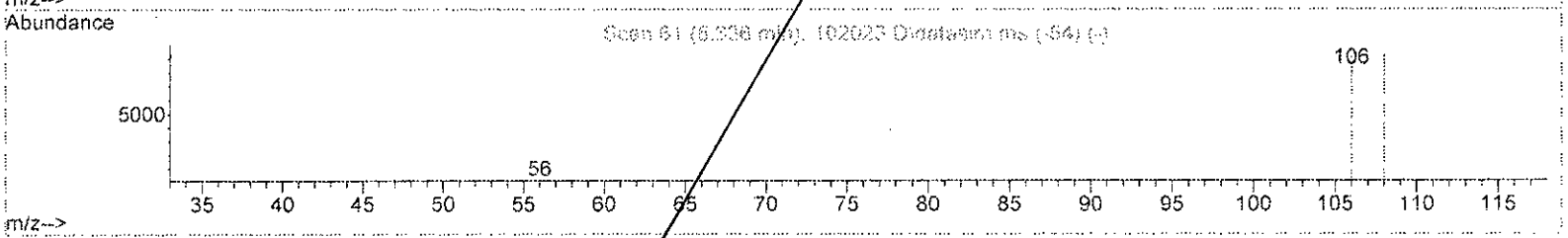
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121603.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 2.682 ppbv

response 21016

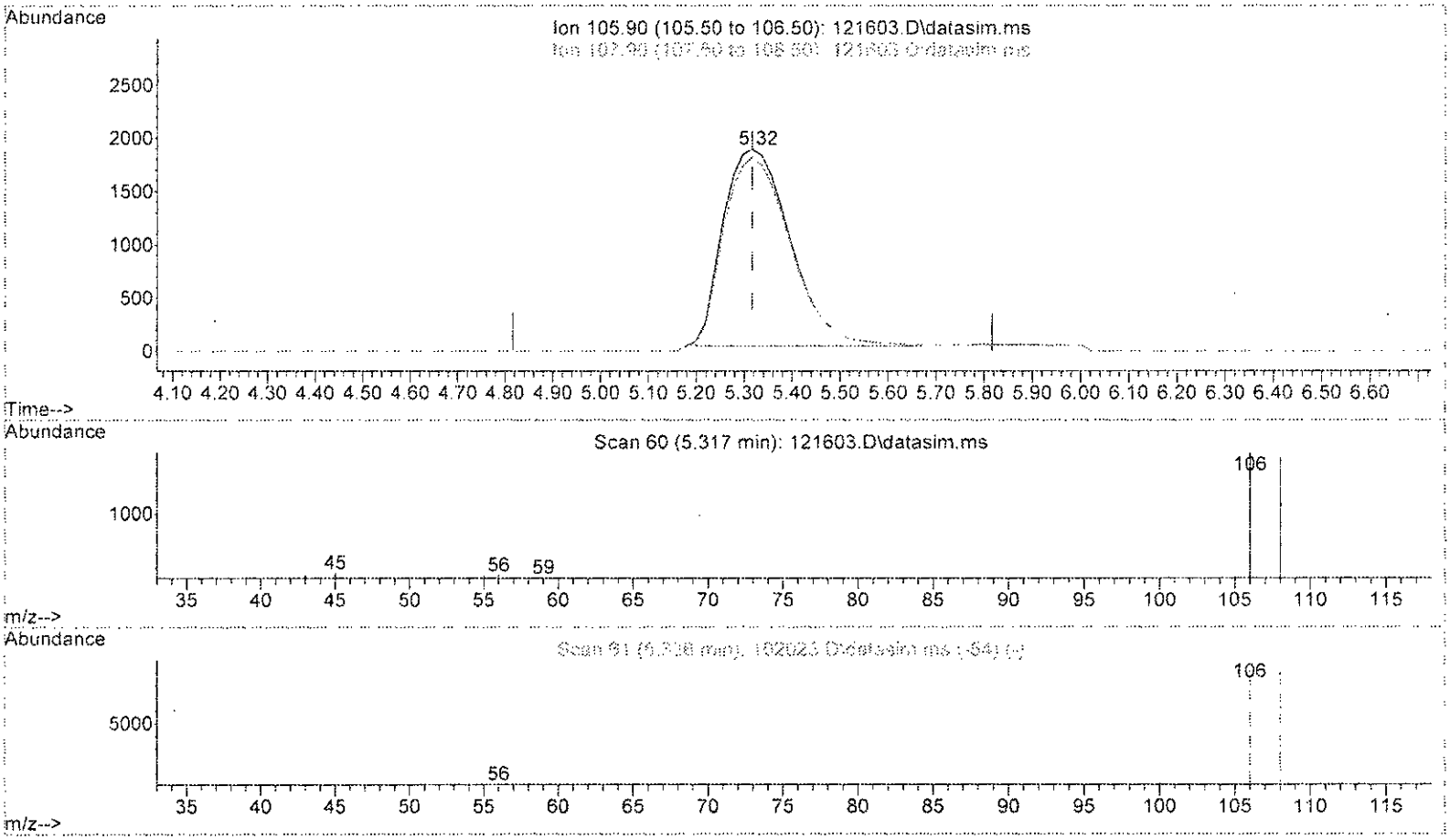
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	95.04
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 2.294 ppbv m

response 17980

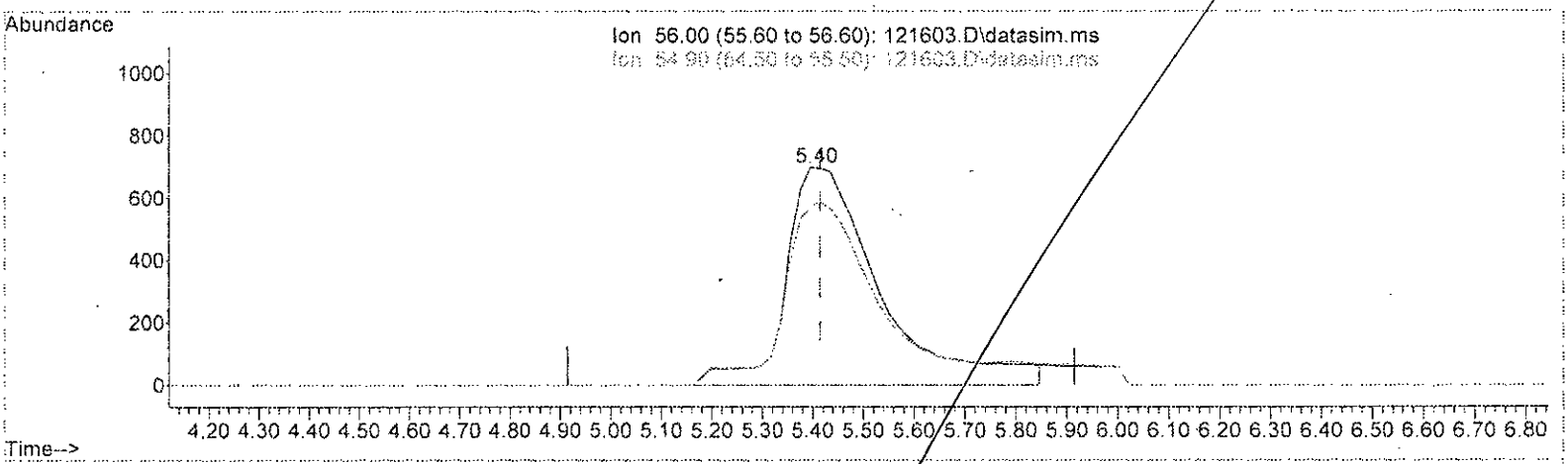
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	111.08
0.00	0.00	0.00
0.00	0.00	0.00

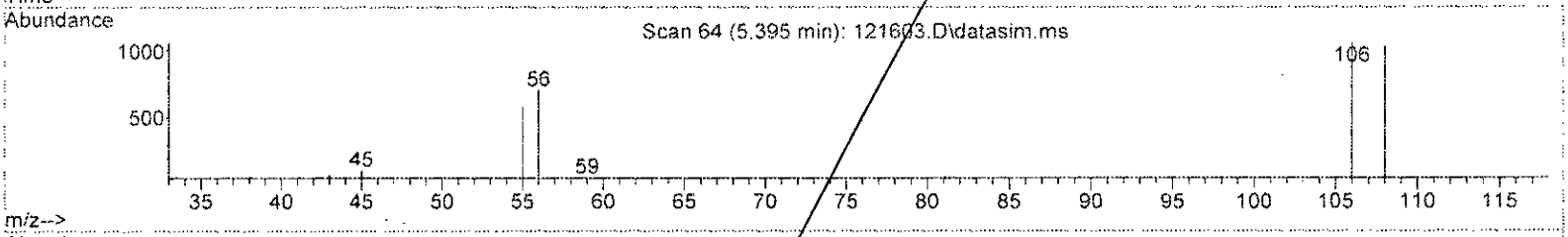
12/19/22

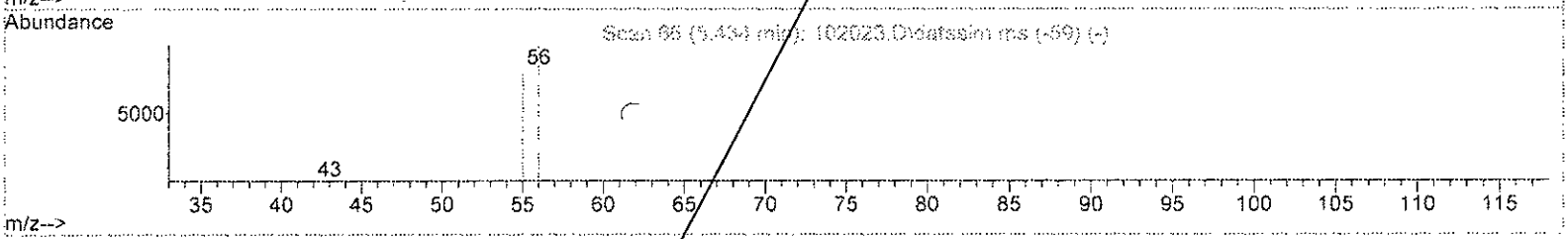
Quantitation Report (Qedit)

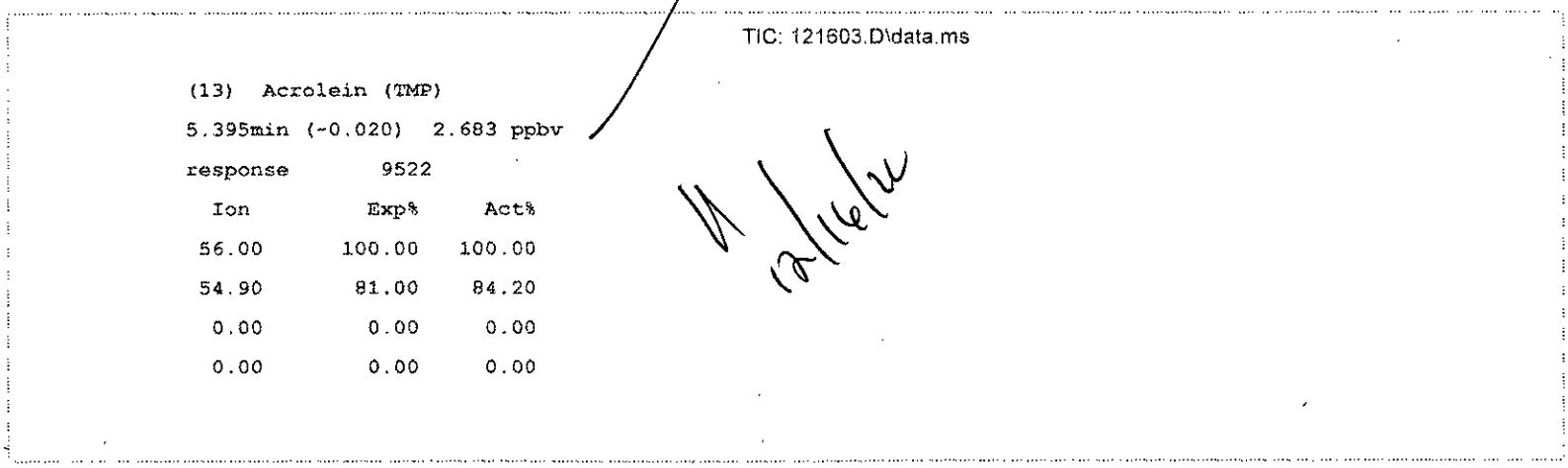
Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M









(13) Acrolein (TMP)
5.395min (-0.020) 2.683 ppbv
response 9522

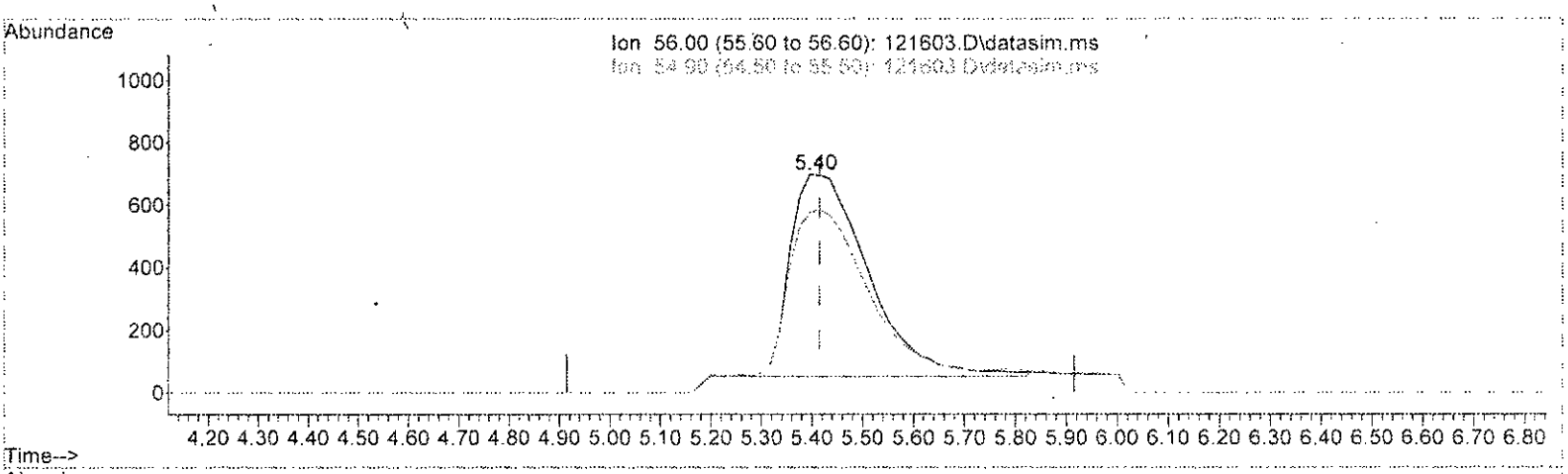
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	84.20
0.00	0.00	0.00
0.00	0.00	0.00

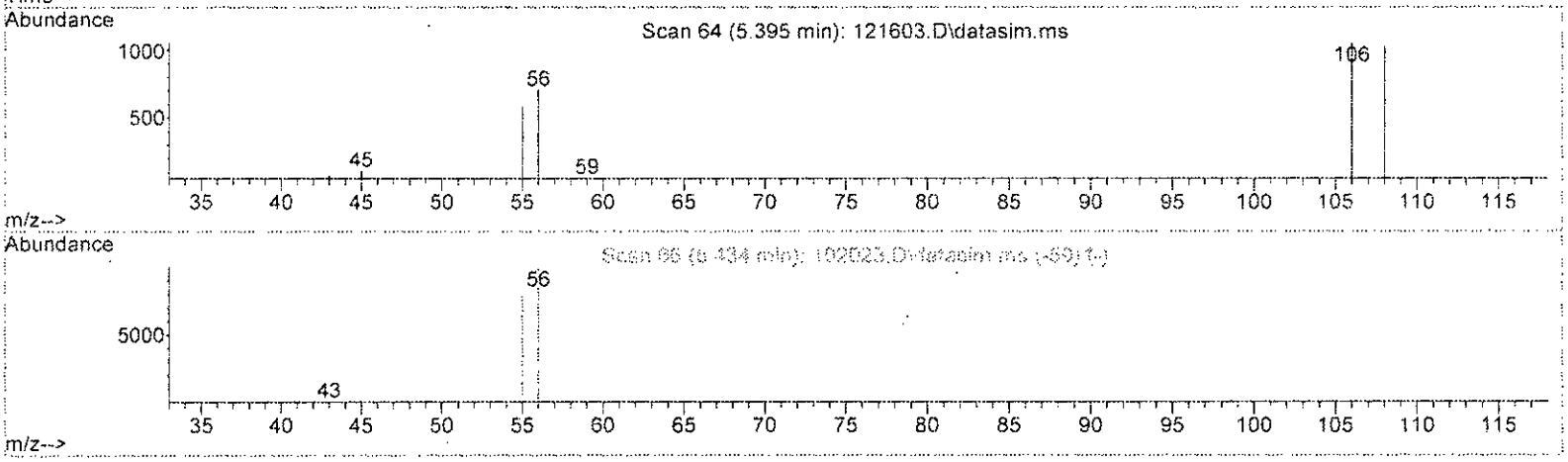
12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121603.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 1.942 ppbv m

response 6895

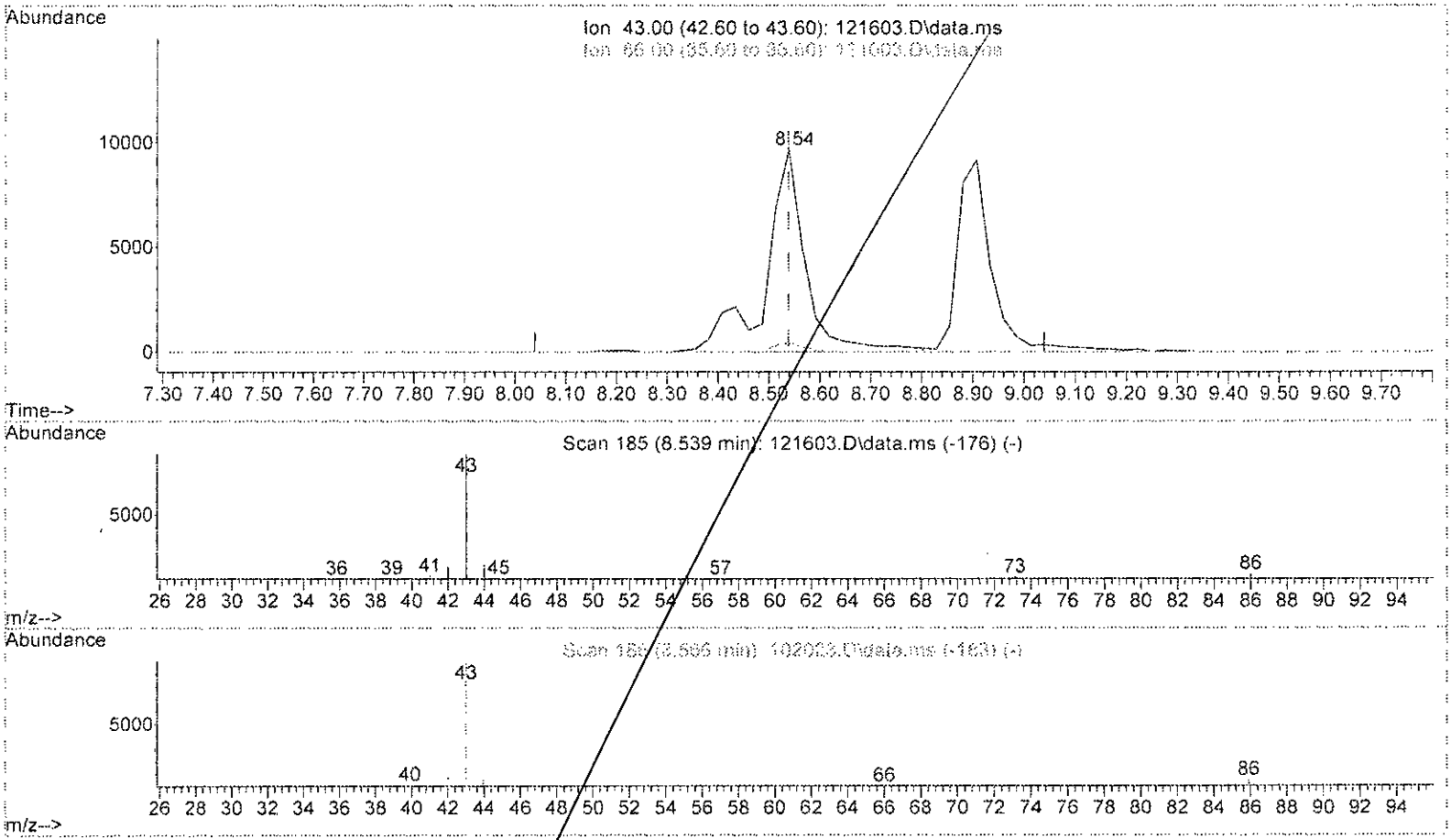
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	116.29#
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(26) Vinyl acetate (TMP)

8.539min (+ 0.000) 2.826 ppbv

response 52312

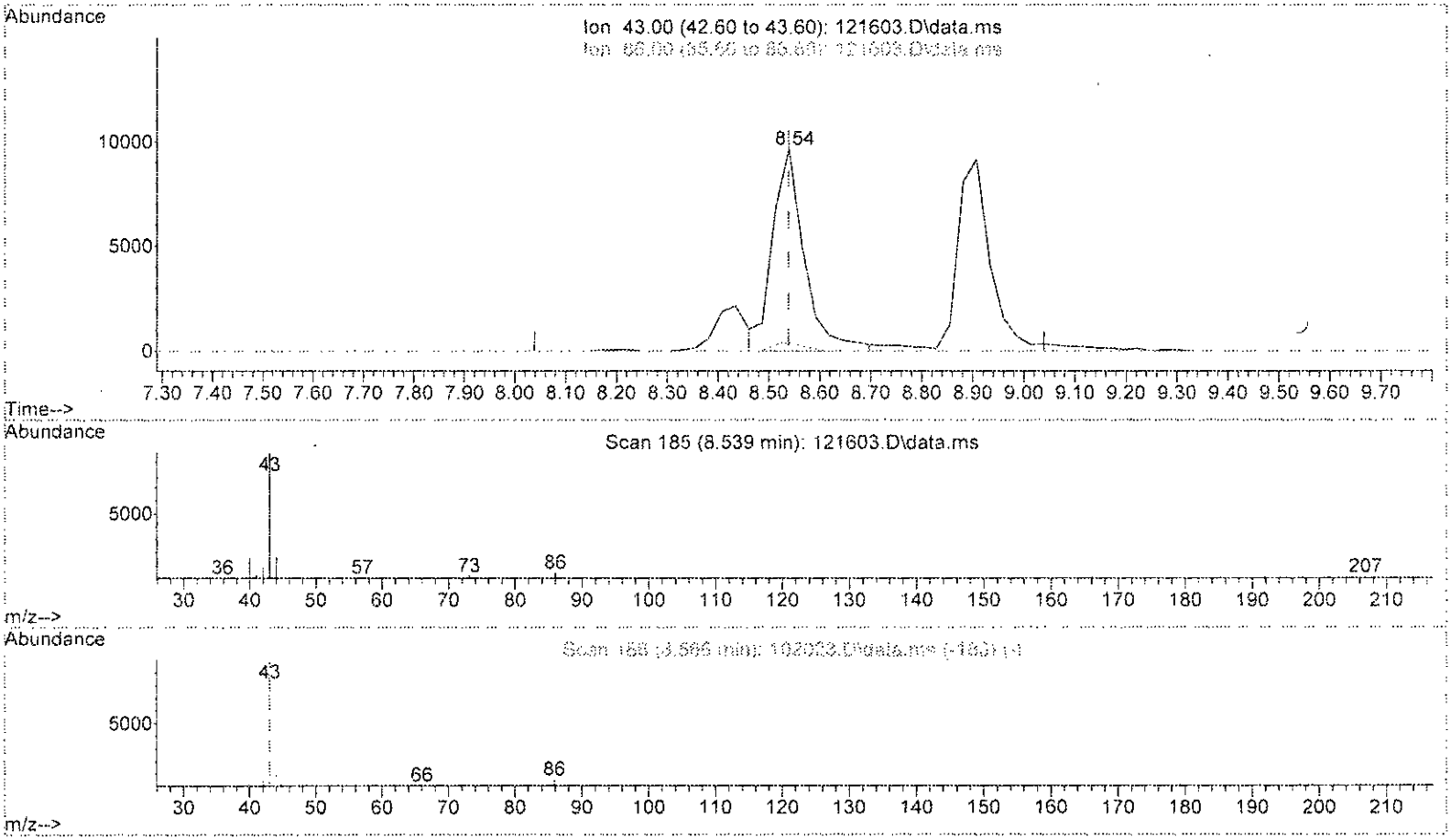
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.54
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(26) Vinyl acetate (TMP)

8.539min (+ 0.000) 2.248 ppbv m

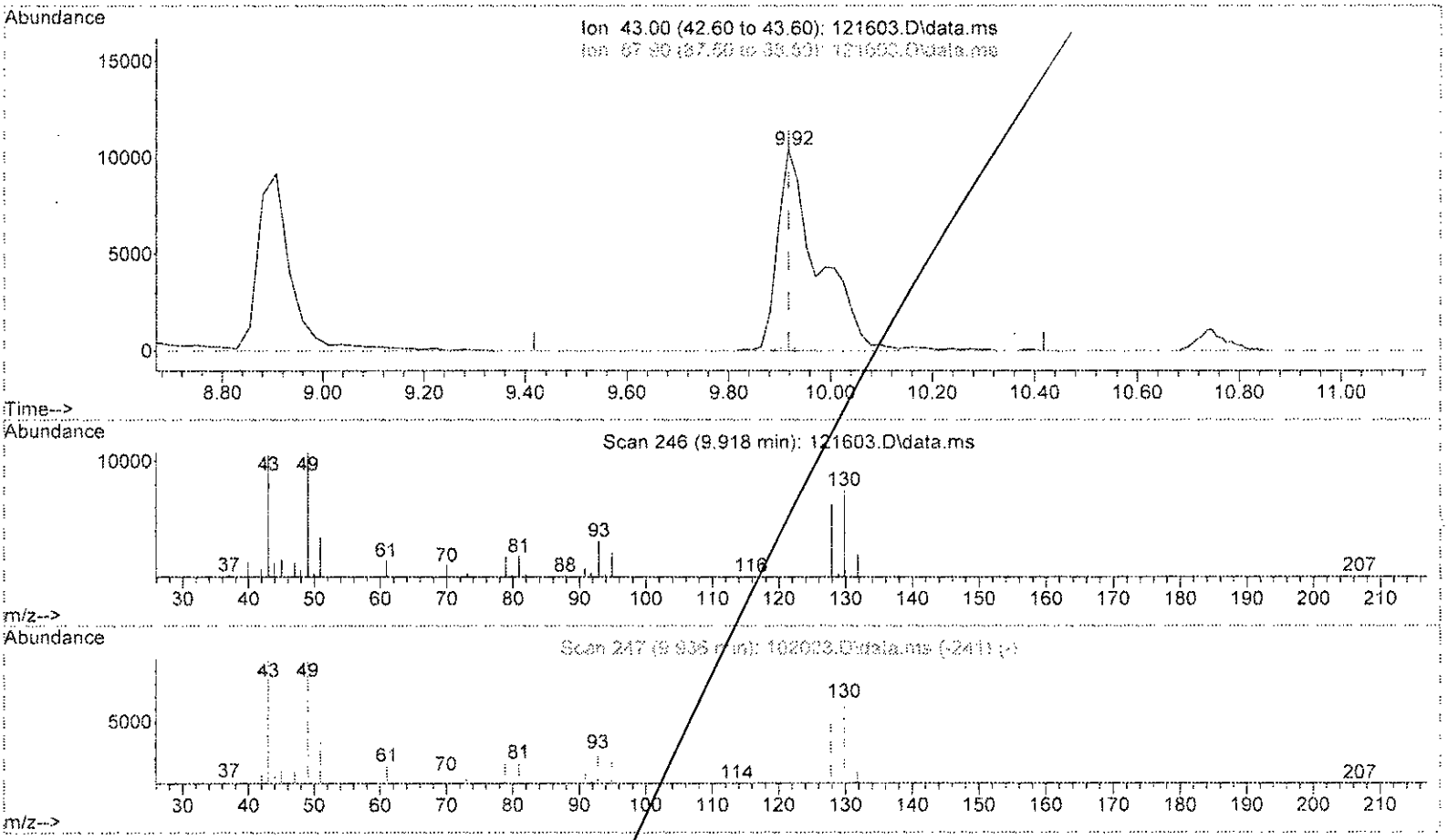
response 41613

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

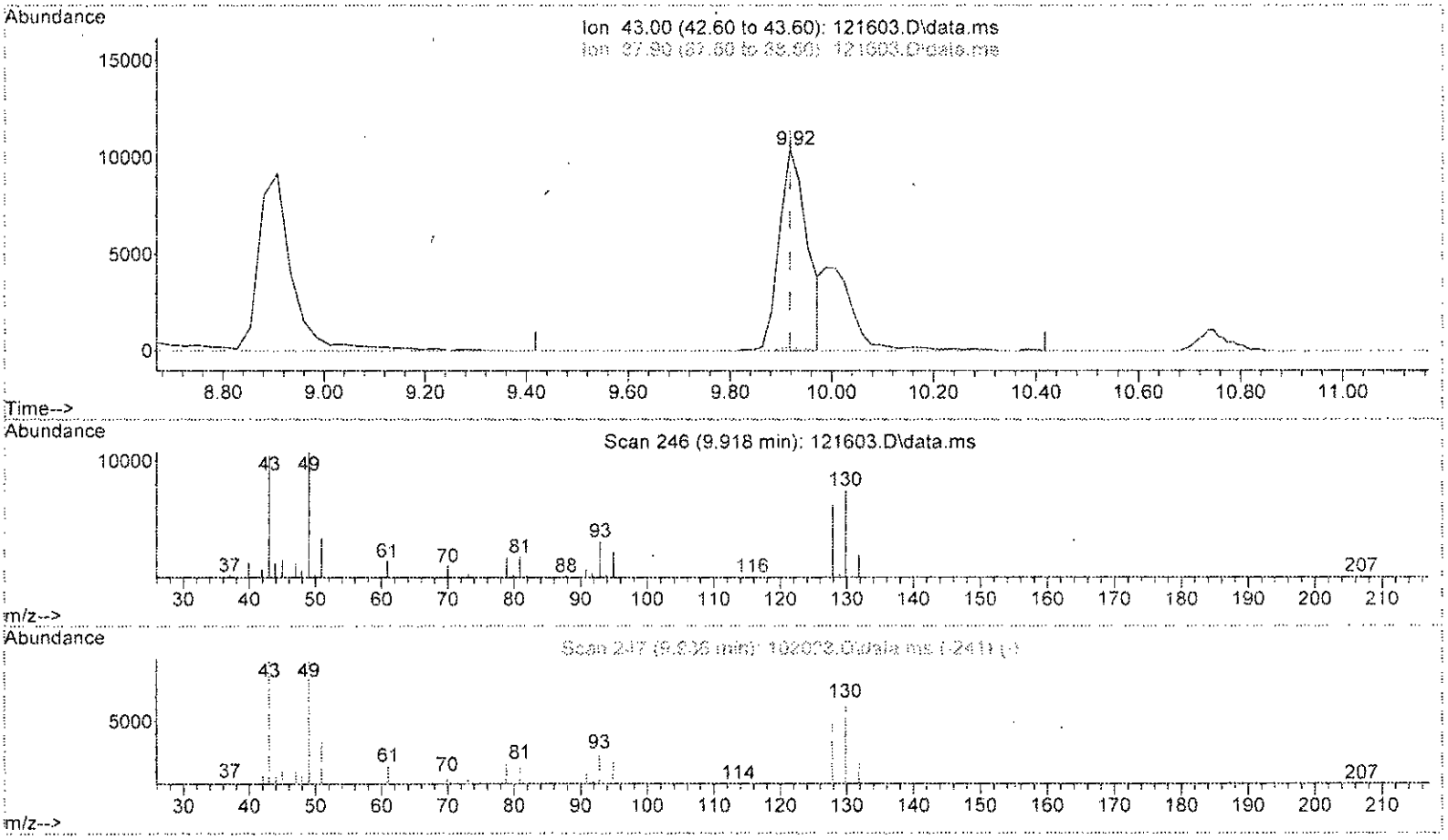
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.103 ppbv
response 57259

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(31) Ethyl acetate (TMP)

9.918min (-0.000) 2.174 ppbv m

response 40109

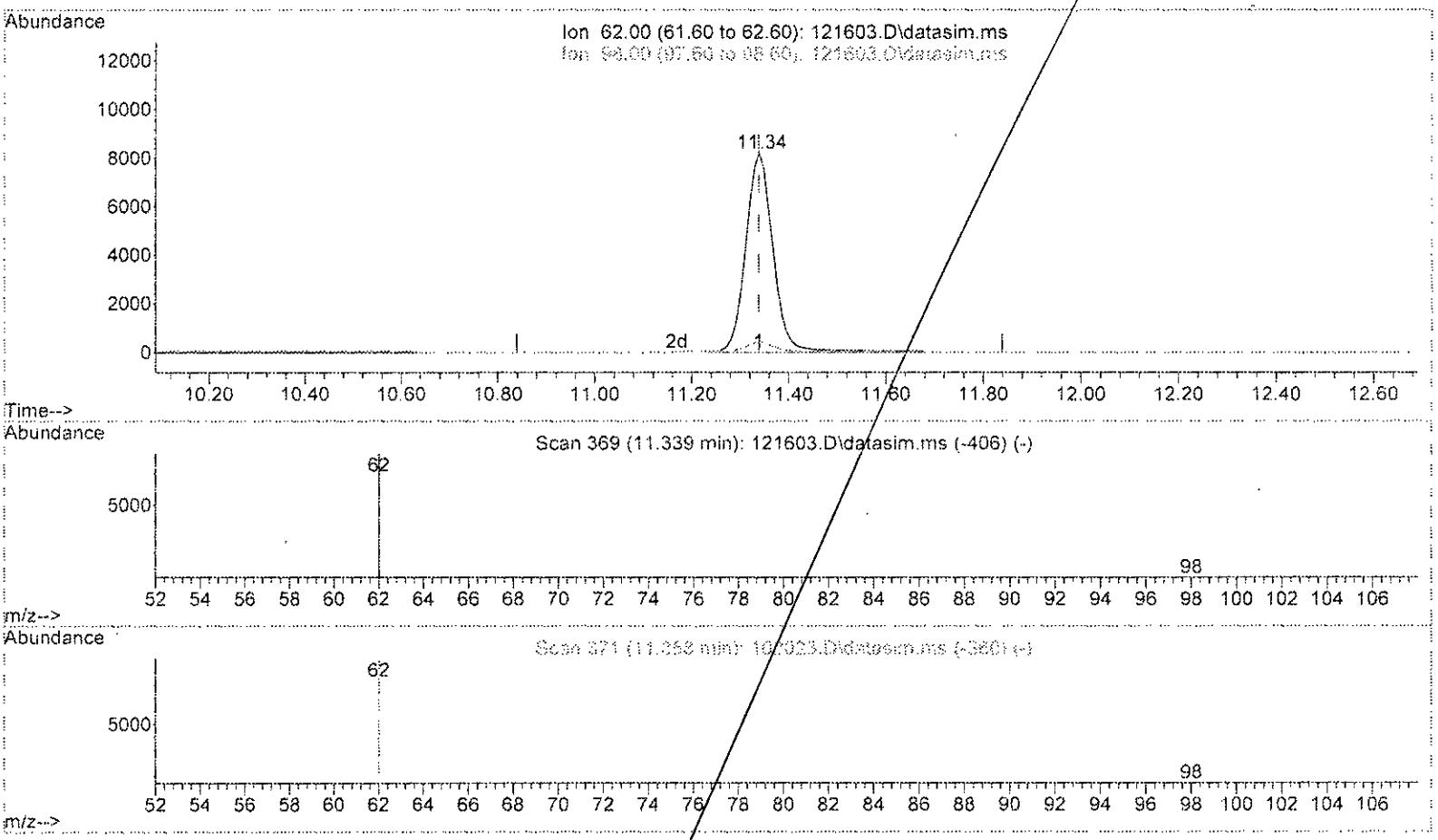
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.35#
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(34) 1,2-Dichloroethane (EDC), (TMP)

11.339min (+ 0.000) 2.620 ppbv

response 32674

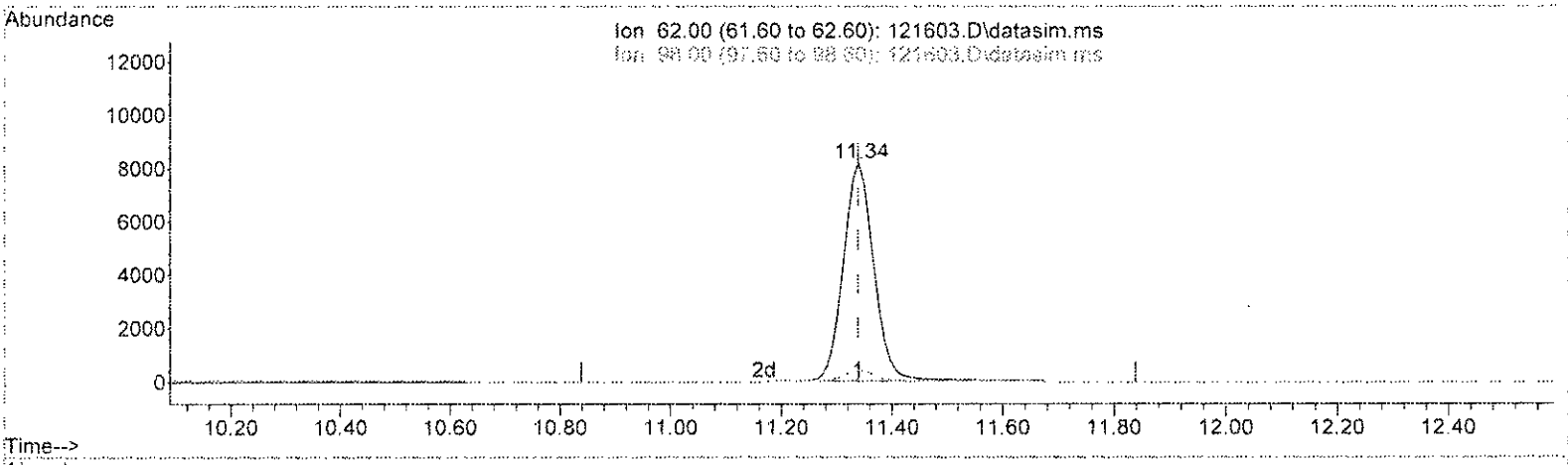
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.34
0.00	0.00	0.00
0.00	0.00	0.00

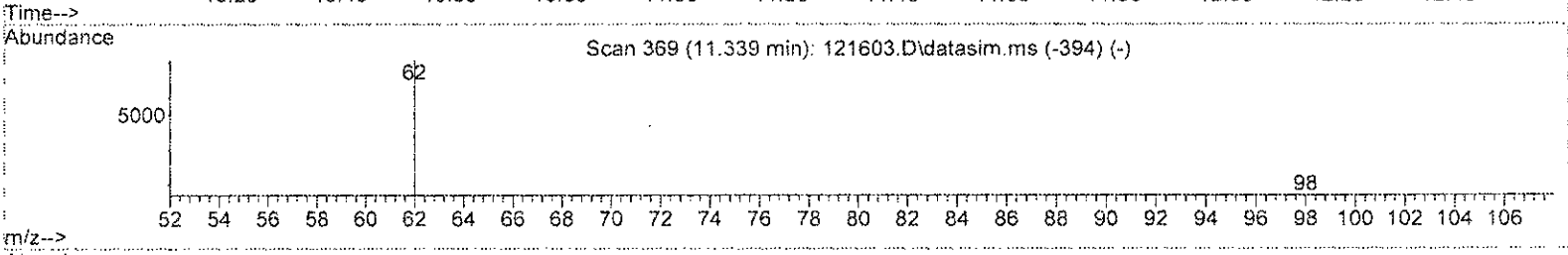
12/16/22

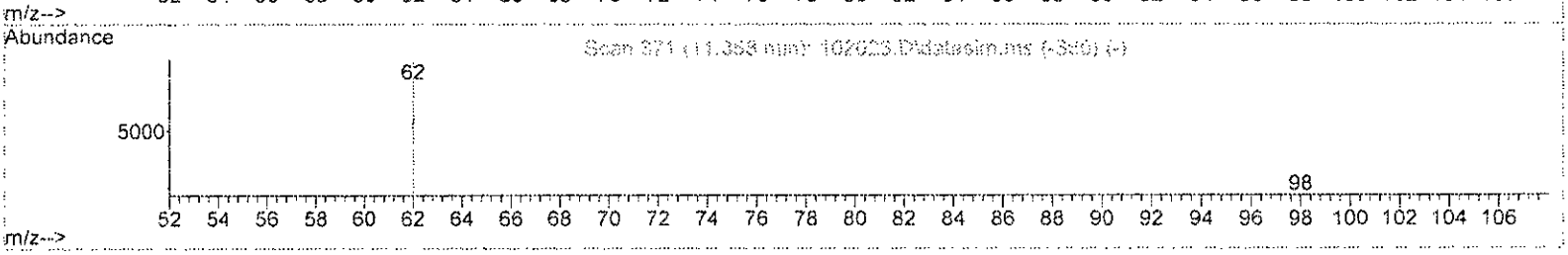
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121603.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 2.506 ppbv m

response 31274

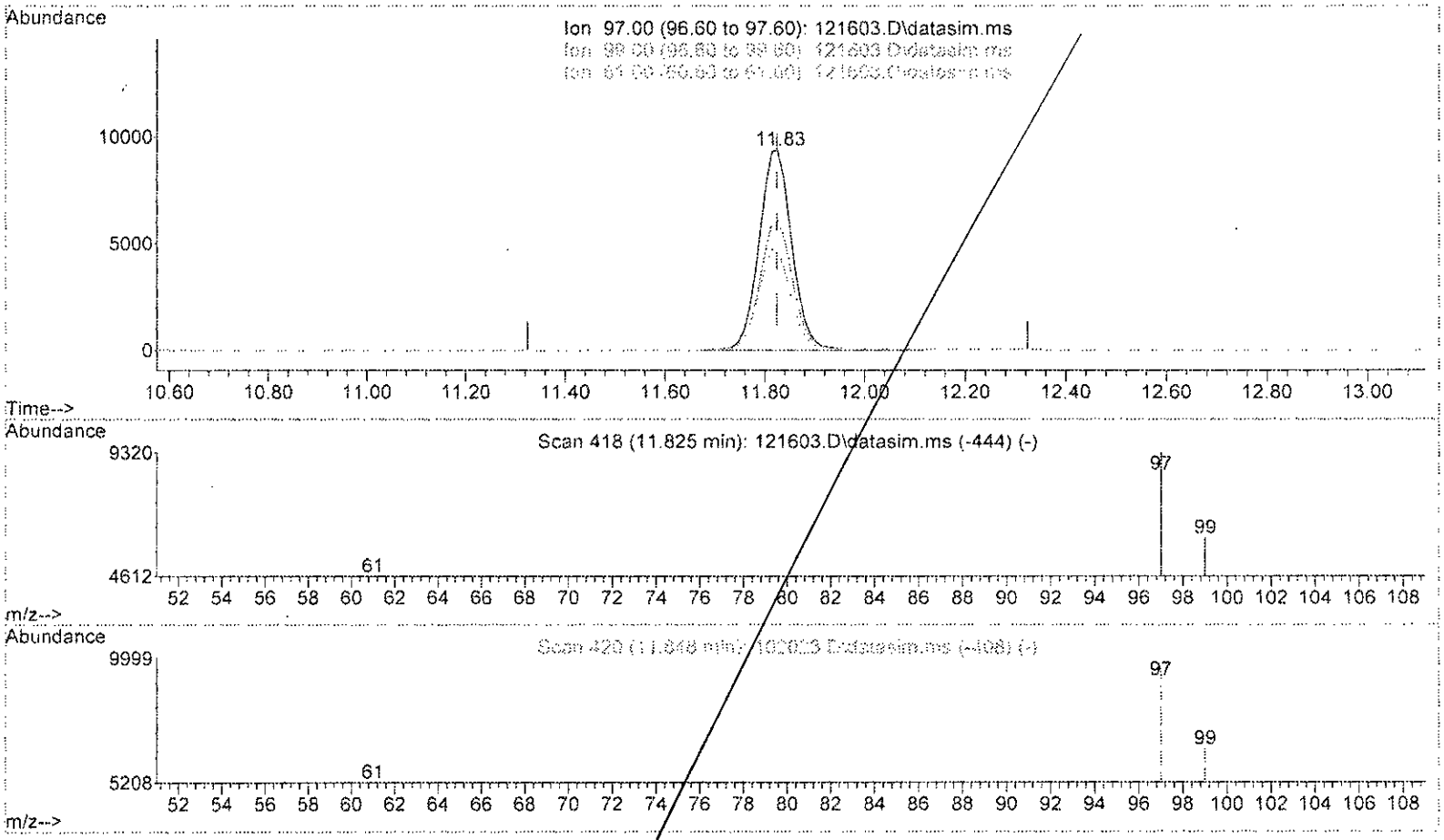
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.34
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 2.652 ppbv
response 43176

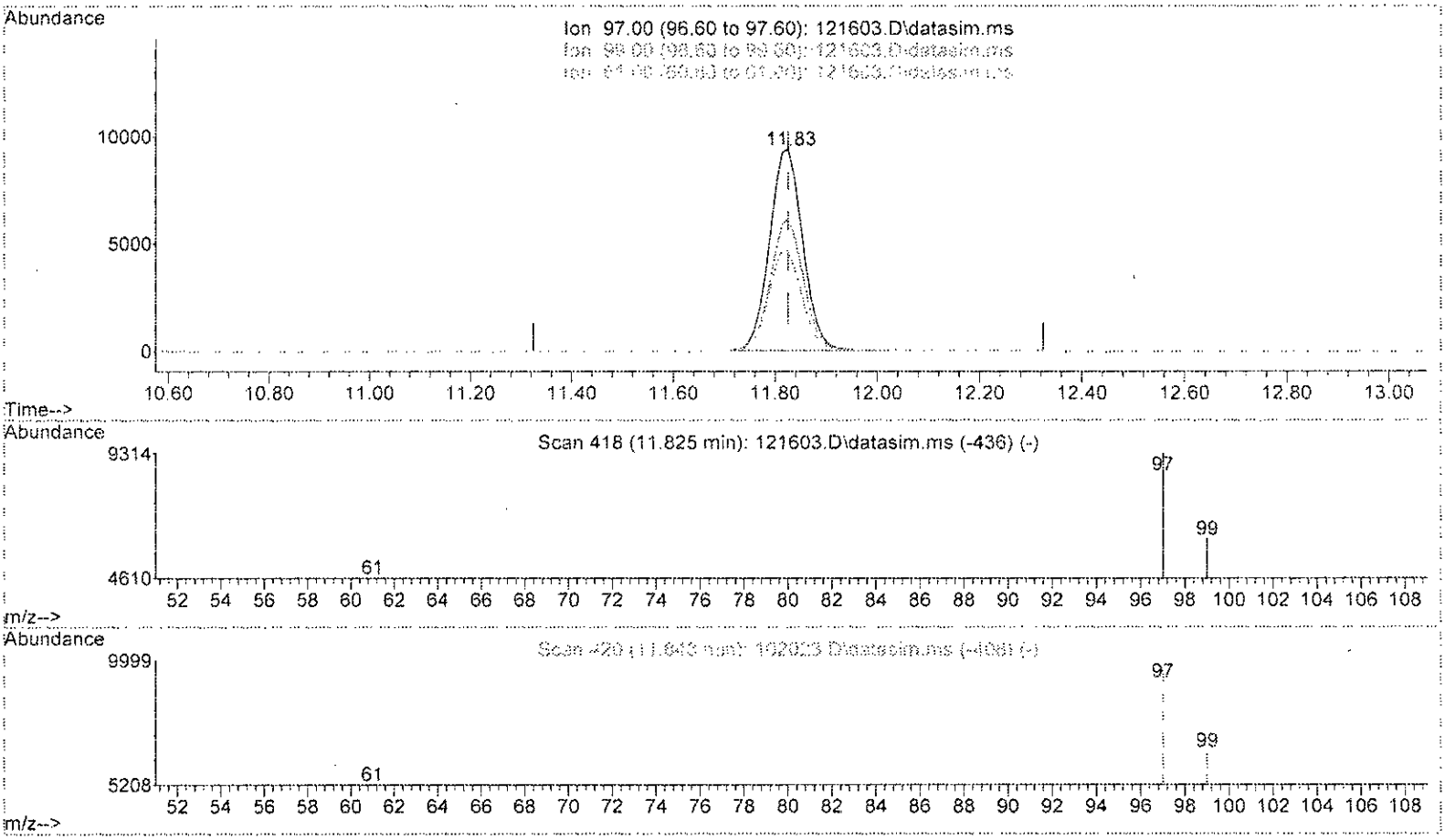
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.31
61.00	49.30	49.81
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.597 ppbv m

response 42280

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.31
61.00	49.30	49.81
0.00	0.00	0.00

12/16/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	48699	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	202988	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	185926	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	132589	10.290	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.90%			
Target Compounds						Qvalue
2) Propene	3.41	41	17100	2.653	ppbv	95
3) Dichlorodifluoromethane	3.49	85	49143	2.448	ppbv	96
4] Chloromethane	3.73	50	21198m	2.312	ppbv	
5) F-114	3.88	85	47777	2.326	ppbv	91
6] Vinyl chloride	4.09	62	19684	2.184	ppbv	98
7] 1,3-Butadiene	4.29	54	11740	1.982	ppbv #	82
8) Butane	4.40	43	24632	2.317	ppbv	96
9) Bromomethane	4.60	94	20345	2.262	ppbv	95
10] Chloroethane	4.84	64	7582m	2.379	ppbv	
11] Vinyl bromide	5.32	106	17980m	2.294	ppbv	
12) Ethanol	4.96	45	17053	5.280	ppbv	91
13] Acrolein	5.40	56	6895m	1.942	ppbv	
14) Pentane	6.25	43	25154	2.099	ppbv	96
15) Trichlorofluoromethane	5.84	101	60029	2.578	ppbv	89
16) Acetone	5.59	58	7980	2.306	ppbv	89
17) 2-Propanol	5.80	45	35902	2.381	ppbv	92
18] 1,1-Dichloroethene	6.63	96	17689	2.208	ppbv	94
19] trans-1,2-Dichloroethene	8.10	96	17231	2.214	ppbv #	75
20) Methylene chloride	6.80	84	21587	2.997	ppbv	85
21) t-Butyl alcohol (TBA)	6.57	59	30628	2.357	ppbv #	77
22) 3-Chloropropene	6.94	41	22299	2.227	ppbv	99
23) CFC-113	7.15	101	42269	2.502	ppbv	98
24) Carbon disulfide	7.25	76	57116	2.270	ppbv	98
25) Methyl t-butyl ether (...	8.43	73	36091	2.158	ppbv	98
26) Vinyl acetate	8.54	43	41613m	2.248	ppbv	
27] 1,1-Dichloroethane	8.36	63	39003	2.396	ppbv	98
28] cis-1,2-Dichloroethene	9.64	96	17927	2.178	ppbv	99
29) Hexane	10.01	57	20257	2.011	ppbv	89
30] Chloroform	10.08	83	47030	2.512	ppbv	96
31) Ethyl acetate	9.92	43	40109m	2.174	ppbv	
32) Tetrahydrofuran	10.74	42	18965	2.152	ppbv	97
33) 2-Butanone (MEK)	8.91	72	7176	2.381	ppbv #	75
34] 1,2-Dichloroethane (EDC)	11.34	62	31274m	2.506	ppbv	
35] 1,1,1-Trichloroethane	11.83	97	42280m	2.597	ppbv	
36] Carbon tetrachloride	12.86	117	45519	2.653	ppbv	98
37] Benzene	12.61	78	58158	2.272	ppbv	96
38) Cyclohexane	13.05	84	13178	1.980	ppbv	89
40] 1,2-Dichloropropane	13.80	63	27780	2.528	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

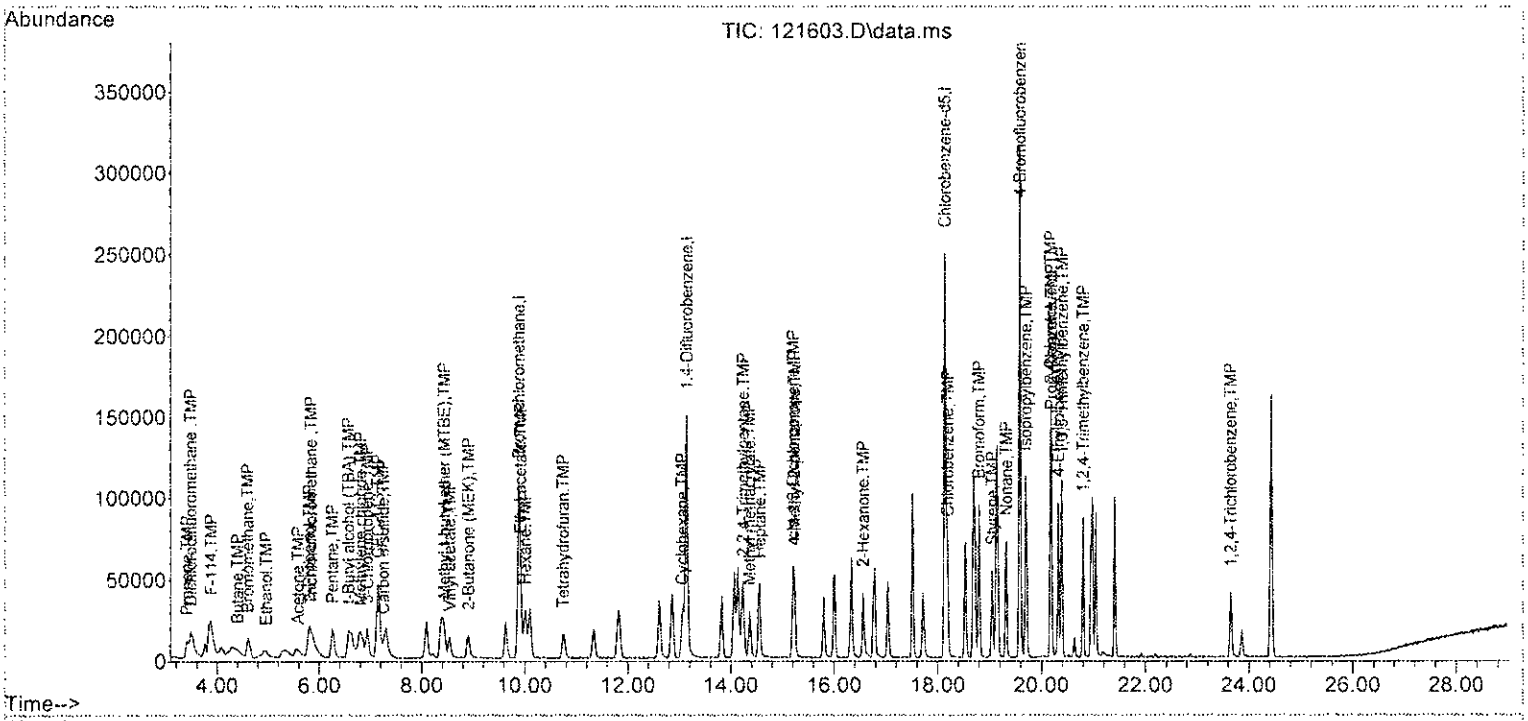
Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

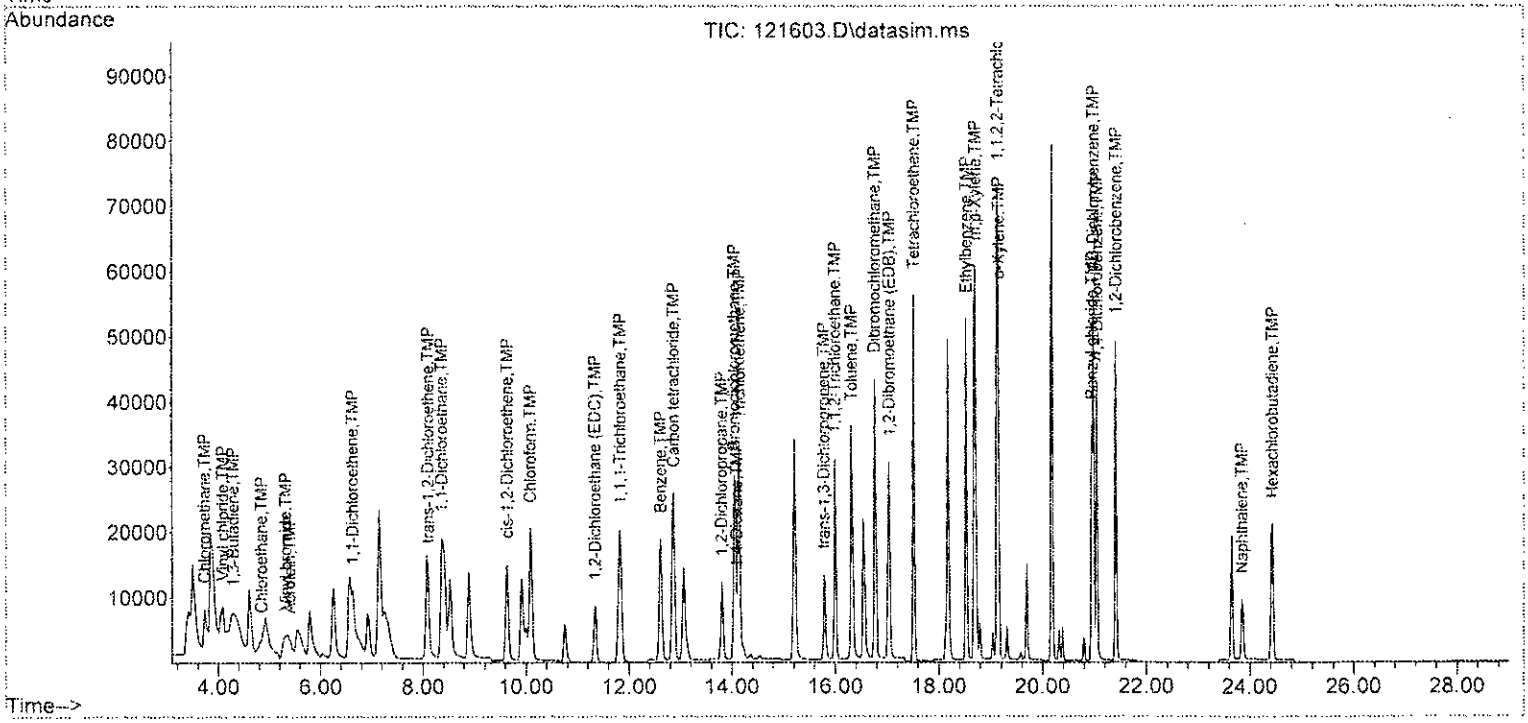
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	10796	2.310	ppbv		79
42) 2,2,4-Trimethylpentane	14.24	57	72377	2.231	ppbv	#	81
43) Methyl methacrylate	14.36	41	24157	2.452	ppbv		97
44) Heptane	14.56	43	31776	2.360	ppbv		96
45] Bromodichloromethane	14.04	83	49052	2.844	ppbv		100
46] Trichloroethene	14.14	95	30133	2.503	ppbv		93
47) cis-1,3-Dichloropropene	15.20	75	31257	2.572	ppbv		94
48) 4-Methyl-2-pentanone	15.23	100	2248	2.502	ppbv	#	95
49] trans-1,3-Dichloropropene	15.78	75	30313	2.652	ppbv		84
50] Toluene	16.31	92	34181	2.382	ppbv		99
51] 1,1,2-Trichloroethane	16.00	83	28718	2.748	ppbv		90
52) 2-Hexanone	16.56	43	42515	2.475	ppbv		93
53] Tetrachloroethene	17.52	164	27165	2.732	ppbv		93
54] Dibromochloromethane	16.76	129	50114	2.868	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	41859	2.716	ppbv		98
57) Chlorobenzene	18.19	112	51985	2.540	ppbv		100
58] Ethylbenzene	18.53	91	74426	2.236	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	68519	2.780	ppbv		92
60) Nonane	19.32	43	37948	2.081	ppbv		96
61) Isopropylbenzene	19.70	105	81821	2.456	ppbv		98
62) 2-Chlorotoluene	20.17	126	20158	2.420	ppbv		77
63) Propylbenzene	20.19	91	145652	2.380	ppbv		97
64) 4-Ethyltoluene	20.32	105	62944	2.101	ppbv		100
65] m,p-Xylene	18.70	106	53348	4.531	ppbv		97
66] o-Xylene	19.15	106	26828	2.347	ppbv		99
67) Styrene	19.05	104	32536	2.137	ppbv		97
68) Bromoform	18.80	173	54349	2.842	ppbv		99
70] Benzyl chloride	20.95	91	57399	2.663	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	70355	2.610	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	48895	1.979	ppbv		96
73] 1,3-Dichlorobenzene	20.98	146	47978	2.550	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	43277	2.458	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	49591	2.604	ppbv		94
76) 1,2,4-Trichlorobenzene	23.64	180	19919	1.744	ppbv		96
77] Naphthalene	23.84	128	22106	1.576	ppbv		97
78] Hexachlorobutadiene	24.44	225	53977	2.779	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
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Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	81	0.00
2	TMP	Propene	2.500	2.653	-6.1	80	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.448	2.1	76	0.00
4	TMP	Chloromethane	2.500	2.312	7.5	74	0.00
5	TMP	F-114	2.500	2.326	7.0	76	0.00
6	TMP	Vinyl chloride	2.500	2.184	12.6	72	0.00
7	TMP	1,3-Butadiene	2.500	1.982	20.7	66	0.00
8	TMP	Butane	2.500	2.317	7.3	71	0.08
9	TMP	Bromomethane	2.500	2.262	9.5	73	0.00
10	TMP	Chloroethane	2.500	2.379	4.8	72	0.00
11	TMP	Vinyl bromide	2.500	2.294	8.2	71	0.00
12	TMP	Ethanol	2.500	5.280	-111.2#	158	0.00
13	TMP	Acrolein	2.500	1.942	22.3	70	-0.02
14	TMP	Pentane	2.500	2.099	16.0	64	0.00
15	TMP	Trichlorofluoromethane	2.500	2.578	-3.1	77	0.00
16	TMP	Acetone	2.500	2.306	7.8	68	0.02
17	TMP	2-Propanol	2.500	2.381	4.8	74	0.02
18	TMP	1,1-Dichloroethene	2.500	2.208	11.7	73	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.214	11.4	71	0.00
20	TMP	Methylene chloride	2.500	2.997	-19.9	88	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.357	5.7	77	0.00
22	TMP	3-Chloropropene	2.500	2.227	10.9	71	0.00
23	TMP	CFC-113	2.500	2.502	-0.1	75	0.00
24	TMP	Carbon disulfide	2.500	2.270	9.2	65	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.158	13.7	66	0.00
26	TMP	Vinyl acetate	2.500	2.248	10.1	68	0.00
27	TMP	1,1-Dichloroethane	2.500	2.396	4.2	74	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.178	12.9	70	0.00
29	TMP	Hexane	2.500	2.011	19.6	64	0.00
30	TMP	Chloroform	2.500	2.512	-0.5	77	-0.02
31	TMP	Ethyl acetate	2.500	2.174	13.0	69	0.00
32	TMP	Tetrahydrofuran	2.500	2.152	13.9	71	-0.01
33	TMP	2-Butanone (MEK)	2.500	2.381	4.8	72	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.506	-0.2	78	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.597	-3.9	76	0.00
36	TMP	Carbon tetrachloride	2.500	2.653	-6.1	80	0.00
37	TMP	Benzene	2.500	2.272	9.1	70	0.00
38	TMP	Cyclohexane	2.500	1.980	20.8	60	-0.02
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	73	0.00
40	TMP	1,2-Dichloropropane	2.500	2.528	-1.1	73	0.00
41	TMP	1,4-Dioxane	2.500	2.310	7.6	70	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.231	10.8	62	0.00
43	TMP	Methyl methacrylate	2.500	2.452	1.9	67	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.360	5.6	66	0.00
45	TMP	Bromodichloromethane	2.500	2.844	-13.8	77	0.00
46	TMP	Trichloroethene	2.500	2.503	-0.1	75	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.572	-2.9	69	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.502	-0.1	71	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.652	-6.1	72	0.00
50	TMP	Toluene	2.500	2.382	4.7	67	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.748	-9.9	75	0.00
52	TMP	2-Hexanone	2.500	2.475	1.0	71	0.00
53	TMP	Tetrachloroethene	2.500	2.732	-9.3	76	0.00
54	TMP	Dibromochloromethane	2.500	2.868	-14.7	79	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.716	-8.6	75	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	76	0.00
57	TMP	Chlorobenzene	2.500	2.540	-1.6	74	0.00
58	TMP	Ethylbenzene	2.500	2.236	10.6	65	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.780	-11.2	79	0.00
60	TMP	Nonane	2.500	2.081	16.8	59	0.02
61	TMP	Isopropylbenzene	2.500	2.456	1.8	67	0.00
62	TMP	2-Chlorotoluene	2.500	2.420	3.2	68	0.00
63	TMP	Propylbenzene	2.500	2.380	4.8	64	0.00
64	TMP	4-Ethyltoluene	2.500	2.101	16.0	62	0.00
65	TMP	m,p-Xylene	5.000	4.531	9.4	65	0.00
66	TMP	o-Xylene	2.500	2.347	6.1	67	0.00
67	TMP	Styrene	2.500	2.137	14.5	62	0.00
68	TMP	Bromoform	2.500	2.842	-13.7	81	0.00
69	S	4-Bromofluorobenzene	10.000	10.290	-2.9	73	0.00
70	TMP	Benzyl chloride	2.500	2.663	-6.5	77	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.610	-4.4	70	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	1.979	20.8	59	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.550	-2.0	72	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.458	1.7	71	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.604	-4.2	73	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	1.744	30.2#	60	0.00
77	TMP	Naphthalene	2.500	1.576	37.0#	51	0.00
78	TMP	Hexachlorobutadiene	2.500	2.779	-11.2	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev. 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	81	0.00
2	TMP	Propene	1.556	1.405	9.7	80	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.036	2.1	76	0.00
4	TMP	Chloromethane	1.882	1.741	7.5	74	0.00
5	TMP	F-114	4.217	3.924	6.9	76	0.00
6	TMP	Vinyl chloride	1.851	1.617	12.6	72	0.00
7	TMP	1,3-Butadiene	1.216	0.964	20.7	66	0.00
8	TMP	Butane	2.183	2.023	7.3	71	0.08
9	TMP	Bromomethane	1.847	1.671	9.5	73	0.00
10	TMP	Chloroethane	0.655	0.623	4.9	72	0.00
11	TMP	Vinyl bromide	1.609	1.477	8.2	71	0.00
12	TMP	Ethanol	0.663	1.401	-111.3#	158#	0.00
13	TMP	Acrolein	0.729	0.566	22.4	70	-0.02
14	TMP	Pentane	2.461	2.066	16.1	64	0.00
15	TMP	Trichlorofluoromethane	4.781	4.931	-3.1	77	0.00
16	TMP	Acetone	0.710	0.655	7.7	68	0.02
17	TMP	2-Propanol	3.096	2.949	4.7	74	0.02
18	TMP	1,1-Dichloroethene	1.645	1.453	11.7	73	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.415	11.5	71	0.00
20	TMP	Methylene chloride	1.479	1.773	-19.9	88	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.516	5.7	77	0.00
22	TMP	3-Chloropropene	2.056	1.832	10.9	71	0.00
23	TMP	CFC-113	3.469	3.472	-0.1	75	0.00
24	TMP	Carbon disulfide	5.167	4.691	9.2	65	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	2.964	13.7	66	0.00
26	TMP	Vinyl acetate	3.801	3.418	10.1	68	0.00
27	TMP	1,1-Dichloroethane	3.342	3.204	4.1	74	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.472	12.9	70	0.00
29	TMP	Hexane	2.068	1.664	19.5	64	0.00
30	TMP	Chloroform	4.060	3.863	4.9	77	-0.02
31	TMP	Ethyl acetate	3.789	3.294	13.1	69	0.00
32	TMP	Tetrahydrofuran	1.809	1.558	13.9	71	-0.01
33	TMP	2-Butanone (MEK)	0.619	0.589	4.8	72	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.569	4.4	78	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.473	-3.9	76	0.00
36	TMP	Carbon tetrachloride	3.523	3.739	-6.1	80	0.00
37	TMP	Benzene	5.688	4.777	16.0	70	0.00
38	TMP	Cyclohexane	1.367	1.082	20.8	60	-0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
40	TMP	1,2-Dichloropropane	0.541	0.547	-1.1	73	0.00
41	TMP	1,4-Dioxane	0.230	0.213	7.4	70	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.426	10.8	62	0.00
43	TMP	Methyl methacrylate	0.485	0.476	1.9	67	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.626	5.6	66	0.00
45	TMP	Bromodichloromethane	0.850	0.967	-13.8	77	0.00
46	TMP	Trichloroethene	0.593	0.594	-0.2	75	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.616	-2.8	69	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.044	0.0	71	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.597	-6.0	72	0.00
50	TMP	Toluene	0.707	0.674	4.7	67	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.566	-2.9	75	0.00
52	TMP	2-Hexanone	0.846	0.838	0.9	71	0.00
53	TMP	Tetrachloroethene	0.490	0.535	-9.2	76	0.00
54	TMP	Dibromochloromethane	0.861	0.988	-14.8	79	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.825	-0.1	75	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
57	TMP	Chlorobenzene	1.101	1.118	-1.5	74	0.00
58	TMP	Ethylbenzene	1.968	1.601	18.6	65	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.474	-5.7	79	0.00
60	TMP	Nonane	0.981	0.816	16.8	59#	0.02
61	TMP	Isopropylbenzene	1.792	1.760	1.8	67	0.00
62	TMP	2-Chlorotoluene	0.448	0.434	3.1	68	0.00
63	TMP	Propylbenzene	3.292	3.134	4.8	64	0.00
64	TMP	4-Ethyltoluene	1.611	1.354	16.0	62	0.00
65	TMP	m,p-Xylene	0.633	0.574	9.3	65	0.00
66	TMP	o-Xylene	0.615	0.577	6.2	67	0.00
67	TMP	Styrene	0.819	0.700	14.5	62	0.00
68	TMP	Bromoform	1.028	1.169	-13.7	81	0.00
69	S	4-Bromofluorobenzene	0.693	0.713	-2.9	73	0.00
70	TMP	Benzyl chloride	0.987	1.235	-25.1	77	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.514	-4.4	70	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.052	15.6	59#	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.032	-2.0	72	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.931	1.7	71	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.067	-4.2	73	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.429	31.5#	60	0.00
77	TMP	Naphthalene	1.132	0.476	58.0#	51#	0.00
78	TMP	Hexachlorobutadiene	1.045	1.161	-11.1	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA TO-15
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : D:\GCMS7 Methods\1115TO15ss7.M (RTE Integrator)
Title : TO-15 SS method
Last Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration

Non-Spiked Sample: 121611.D

	Spike Sample	Spike Duplicate Sample
File ID :	121603.D	121603.D
Sample :	02-2970 lcs/ 2.5 ppbv 68-40a	02-2970 lcs/ 2.5 ppbv 68-40a
Acq Time:	16 Dec 2022 3:55 pm	16 Dec 2022 3:55 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Propene	0.0	3	3	3	106	106	0	20	70-130
Dichlorodifluorometh	0.0	3	2	2	98	98	0	20	70-130
Chloromethane	0.0	3	2	2	92	92	0	20	70-130
F-114	0.0	3	2	2	93	93	0	20	70-130
Vinyl chloride	0.0	3	2	2	87	87	0	20	70-130
1,3-Butadiene	0.0	3	2	2	79	79	0	20	70-130
Butane	0.9	3	2	2	55#	55#	0	20	70-130
Bromomethane	0.0	3	2	2	90	90	0	20	70-130
Chloroethane	0.0	3	2	2	95	95	0	20	70-130
Vinyl bromide	0.0	3	2	2	92	92	0	20	70-130
Ethanol	0.0	3	5	5	211#	211#	0	20	70-130
Acrolein	0.0	3	2	2	78	78	0	20	70-130
Pentane	0.1	3	2	2	80	80	0	20	70-130
Trichlorofluorometha	0.0	3	3	3	103	103	0	20	70-130
Acetone	0.2	3	2	2	84	84	0	20	70-130
2-Propanol	0.0	3	2	2	95	95	0	20	70-130
1,1-Dichloroethene	0.0	3	2	2	88	88	0	20	70-130
trans-1,2-Dichloroet	0.0	3	2	2	89	89	0	20	70-130
Methylene chloride	0.1	3	3	3	117	117	0	20	70-130
t-Butyl alcohol (TBA	0.0	3	2	2	94	94	0	20	70-130
3-Chloropropene	0.0	3	2	2	89	89	0	20	70-130
CFC-113	0.0	3	3	3	100	100	0	20	70-130
Carbon disulfide	0.0	3	2	2	89	89	0	20	70-130
Methyl t-butyl ether	0.0	3	2	2	86	86	0	20	70-130
Vinyl acetate	0.0	3	2	2	89	89	0	20	70-130
1,1-Dichloroethane	0.0	3	2	2	96	96	0	20	70-130
cis-1,2-Dichloroethe	0.0	3	2	2	87	87	0	20	70-130
Hexane	0.0	3	2	2	80	80	0	20	70-130
Chloroform	0.0	3	3	3	100	100	0	20	70-130
Ethyl acetate	0.0	3	2	2	87	87	0	20	70-130
Tetrahydrofuran	0.0	3	2	2	86	86	0	20	70-130
2-Butanone (MEK)	0.0	3	2	2	95	95	0	20	70-130
1,2-Dichloroethane (I	0.0	3	3	3	100	100	0	20	70-130
1,1,1-Trichloroethan	0.0	3	3	3	104	104	0	20	70-130
Carbon tetrachloride	0.0	3	3	3	106	106	0	20	70-130
Benzene	0.0	3	2	2	91	91	0	20	70-130

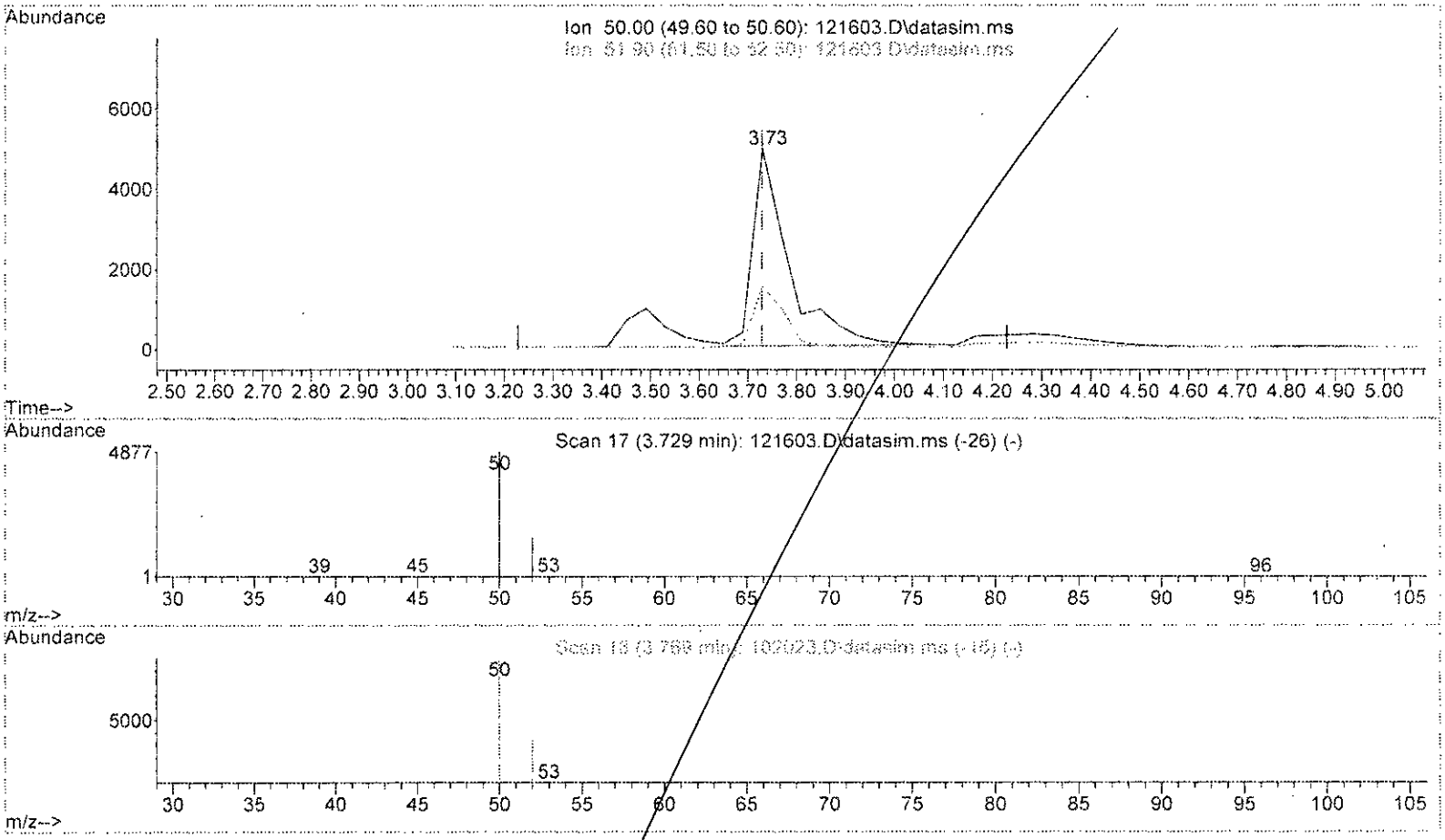
Cyclohexane	0.0	3	2	2	79	79	0	20	70-130
1,2-Dichloropropane	0.0	3	3	3	101	101	0	20	70-130
1,4-Dioxane	0.0	3	2	2	92	92	0	20	70-130
2,2,4-Trimethylpenta	0.0	3	2	2	89	89	0	20	70-130
Methyl methacrylate	0.0	3	2	2	98	98	0	20	70-130
Heptane	0.0	3	2	2	94	94	0	20	70-130
Bromodichloromethane	0.0	3	3	3	114	114	0	20	70-130
Trichloroethene	0.0	3	3	3	100	100	0	20	70-130
cis-1,3-Dichloroprop	0.0	3	3	3	103	103	0	20	70-130
4-Methyl-2-pentanone	0.0	3	3	3	100	100	0	20	70-130
trans-1,3-Dichloropr	0.0	3	3	3	106	106	0	20	70-130
Toluene	0.1	3	2	2	92	92	0	20	70-130
1,1,2-Trichloroethan	0.0	3	3	3	110	110	0	20	70-130
2-Hexanone	0.0	3	2	2	99	99	0	20	70-130
Tetrachloroethene	0.0	3	3	3	108	108	0	20	70-130
Dibromochloromethane	0.0	3	3	3	115	115	0	20	70-130
1,2-Dibromoethane (E	0.0	3	3	3	109	109	0	20	70-130
Chlorobenzene	0.0	3	3	3	102	102	0	20	70-130
Ethylbenzene	0.0	3	2	2	89	89	0	20	70-130
1,1,2,2-Tetrachloroe	0.0	3	3	3	111	111	0	20	70-130
Nonane	0.0	3	2	2	83	83	0	20	70-130
Isopropylbenzene	0.0	3	2	2	98	98	0	20	70-130
2-Chlorotoluene	0.0	3	2	2	97	97	0	20	70-130
Propylbenzene	0.0	3	2	2	95	95	0	20	70-130
4-Ethyltoluene	0.0	3	2	2	84	84	0	20	70-130
m,p-Xylene	0.0	5	5	5	91	91	0	20	70-130
o-Xylene	0.0	3	2	2	94	94	0	20	70-130
Styrene	0.0	3	2	2	85	85	0	20	70-130
Bromoform	0.0	3	3	3	114	114	0	20	70-130
Benzyl chloride	0.0	3	3	3	107	107	0	20	70-130
1,3,5-Trimethylbenze	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trimethylbenze	0.1	3	2	2	76	76	0	20	70-130
1,3-Dichlorobenzene	0.0	3	3	3	102	102	0	20	70-130
1,4-Dichlorobenzene	0.0	3	2	2	98	98	0	20	70-130
1,2-Dichlorobenzene	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trichlorobenze	0.0	3	2	2	70#	70#	0	20	70-130
Naphthalene	0.0	3	2	2	63#	63#	0	20	70-130
Hexachlorobutadiene	0.0	3	3	3	111	111	0	20	70-130

- Fails Limit Check

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.739 ppbv

response 25108

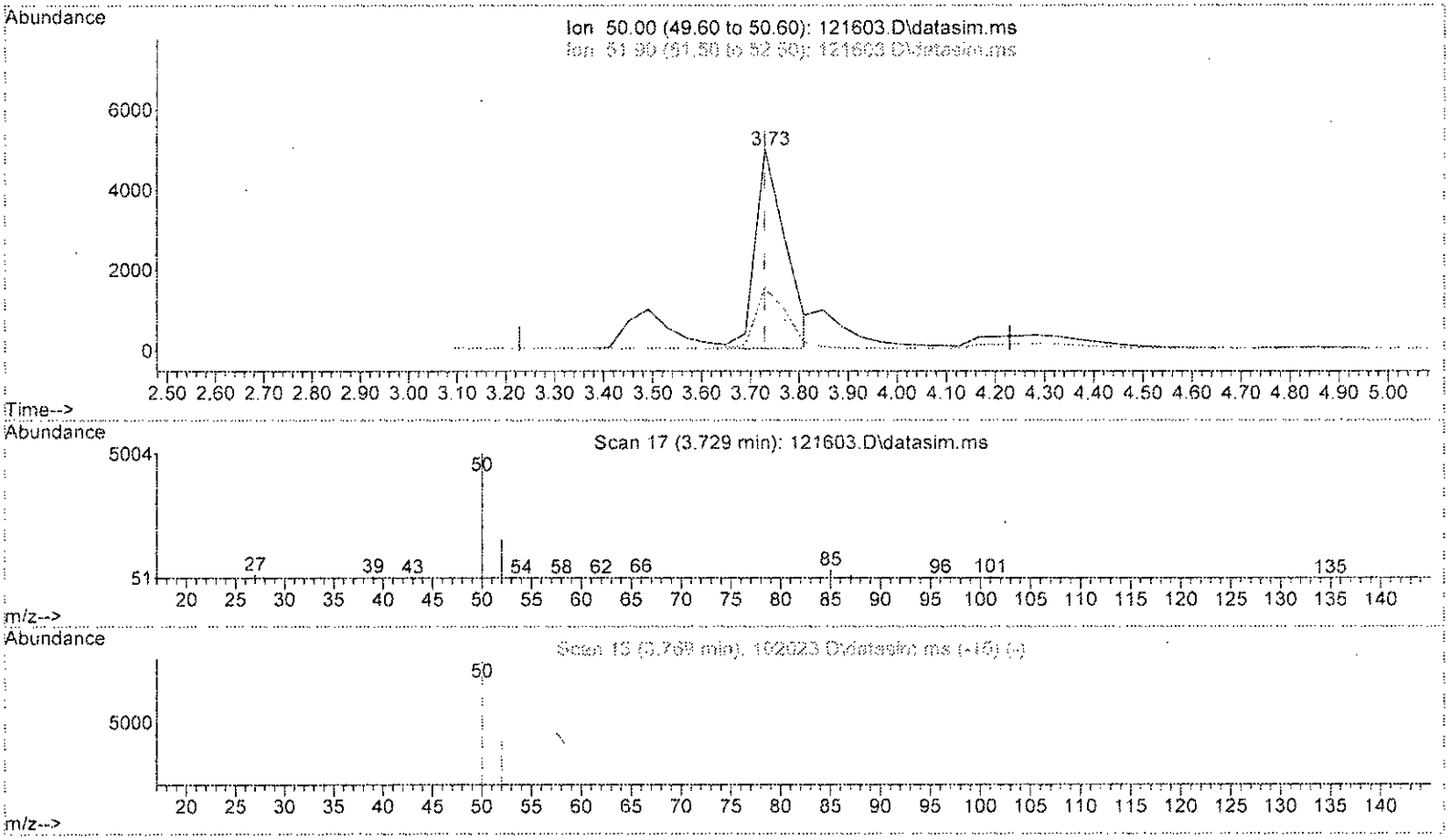
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.71
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.000) 2.312 ppbv m

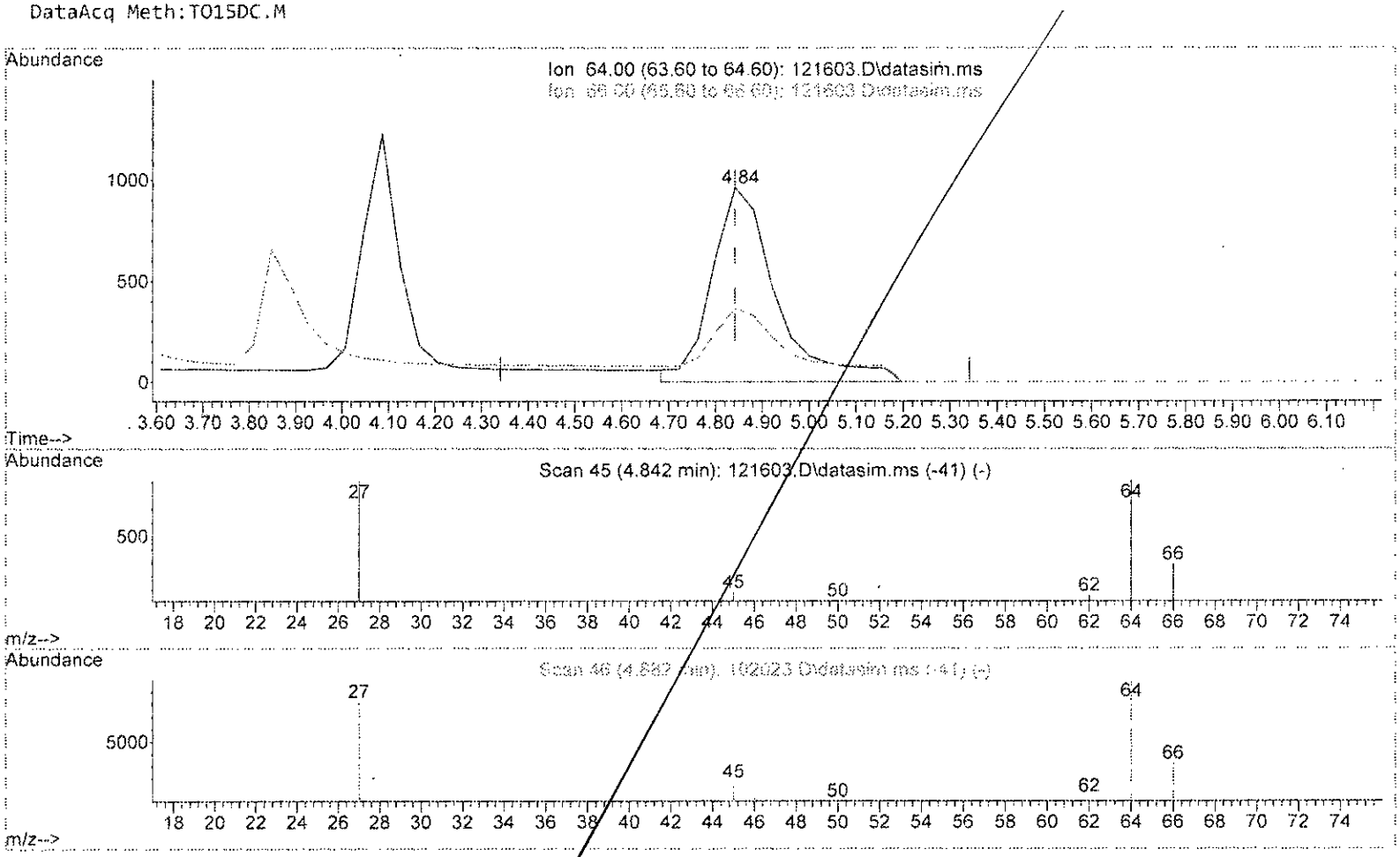
response 21198

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 2.768 ppbv

response 8823

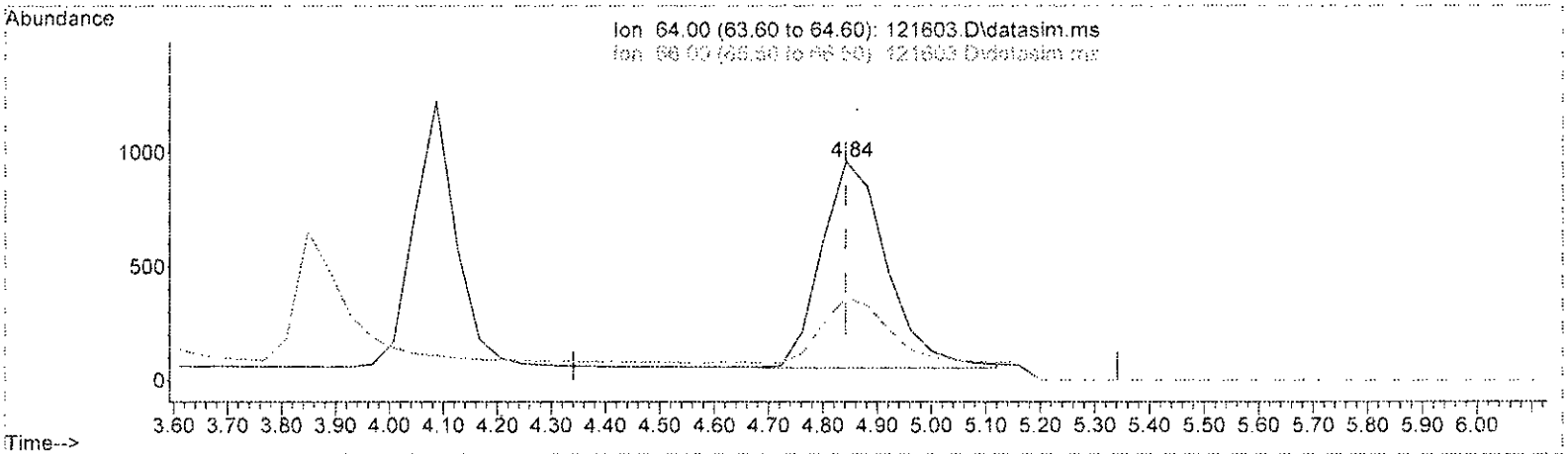
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	38.02
0.00	0.00	0.00
0.00	0.00	0.00

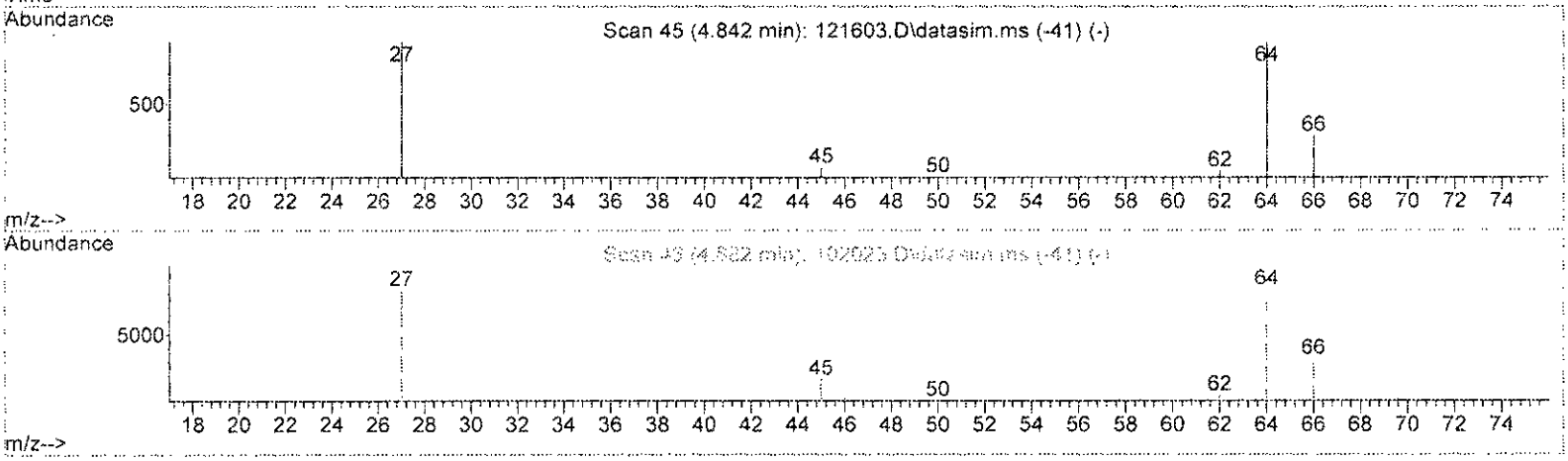
12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121603.D\data.ms

(10) Chloroethane (TMP)

4.842min (-0.000) 2.379 ppbv m

response 7582

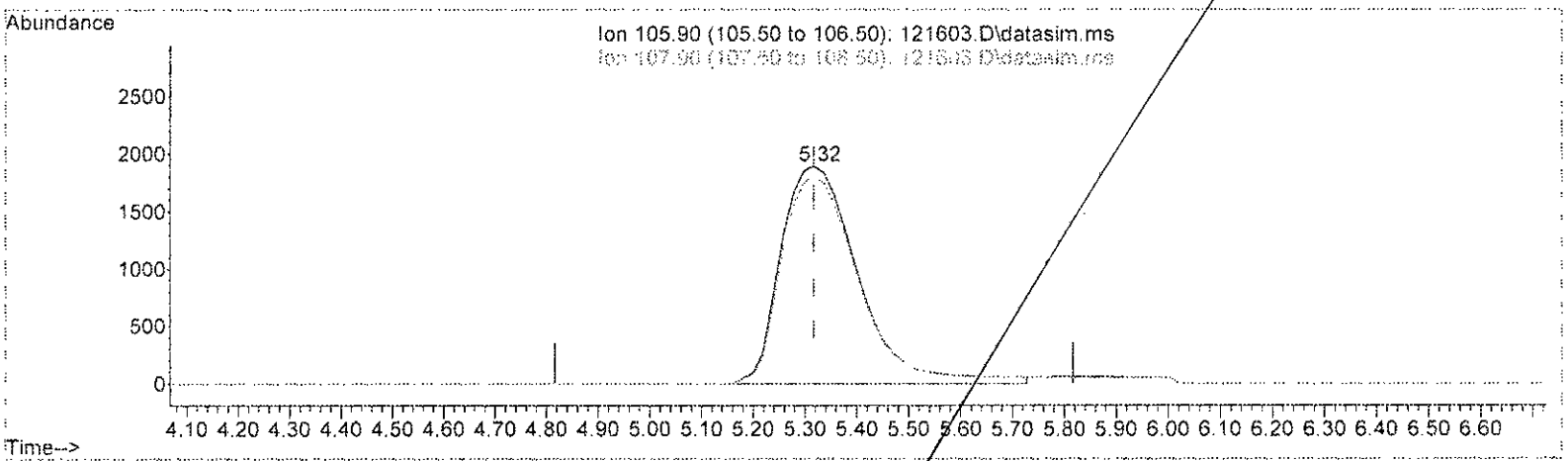
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	38.02
0.00	0.00	0.00
0.00	0.00	0.00

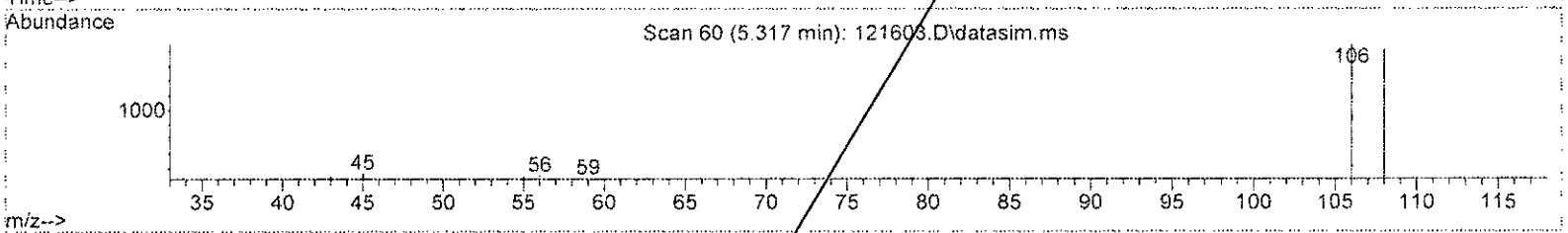
12/19/22

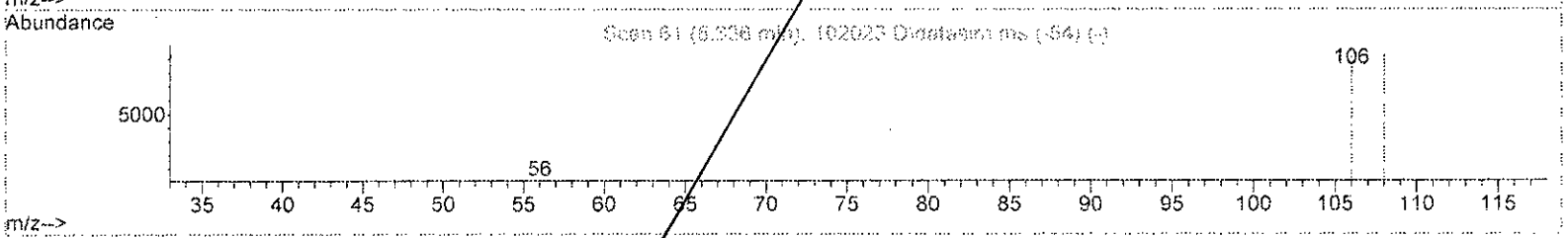
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121603.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 2.682 ppbv

response 21016

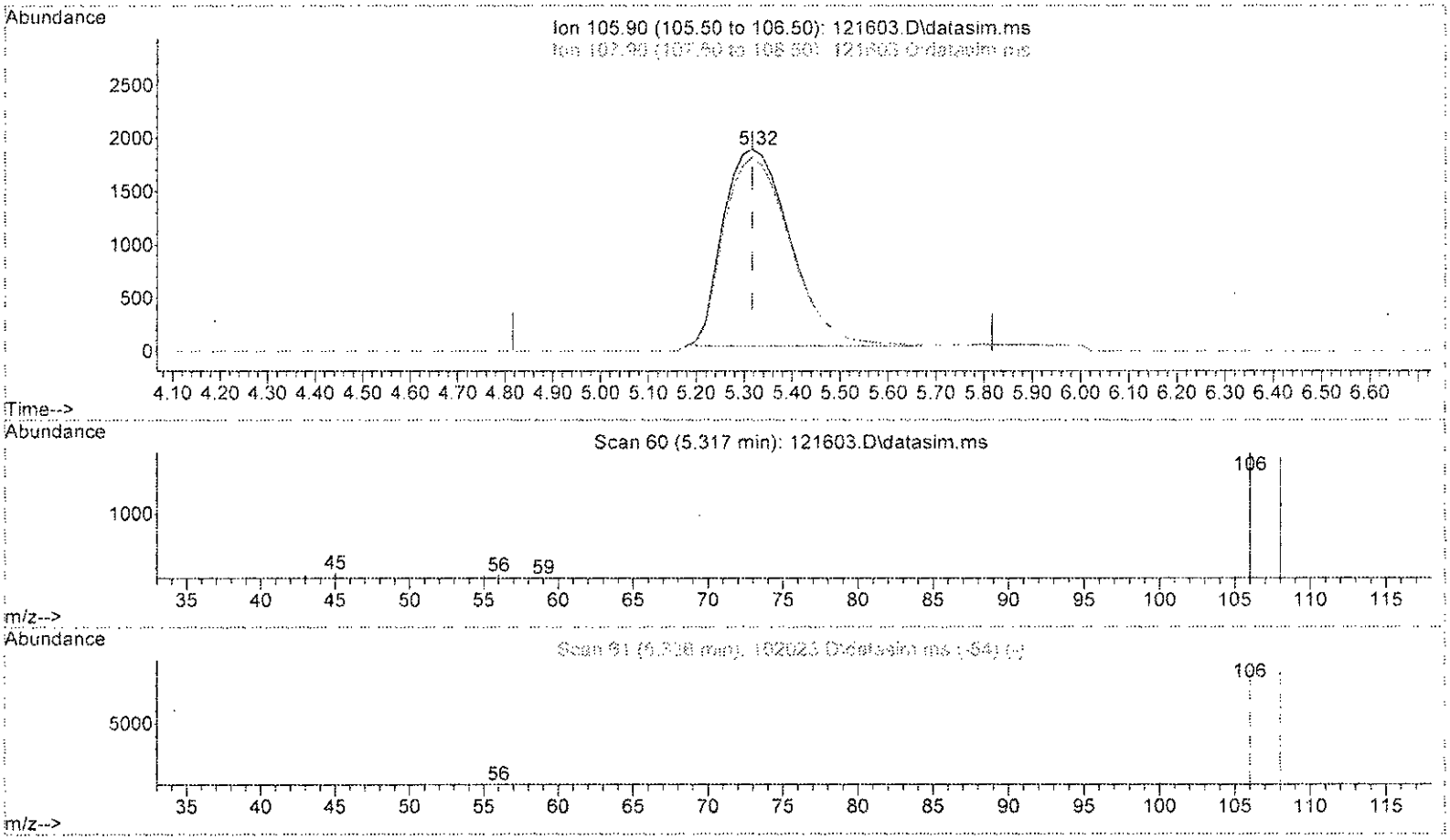
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	95.04
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(11) Vinyl bromide (TMP)

5.317min (-0.000) 2.294 ppbv m

response 17980

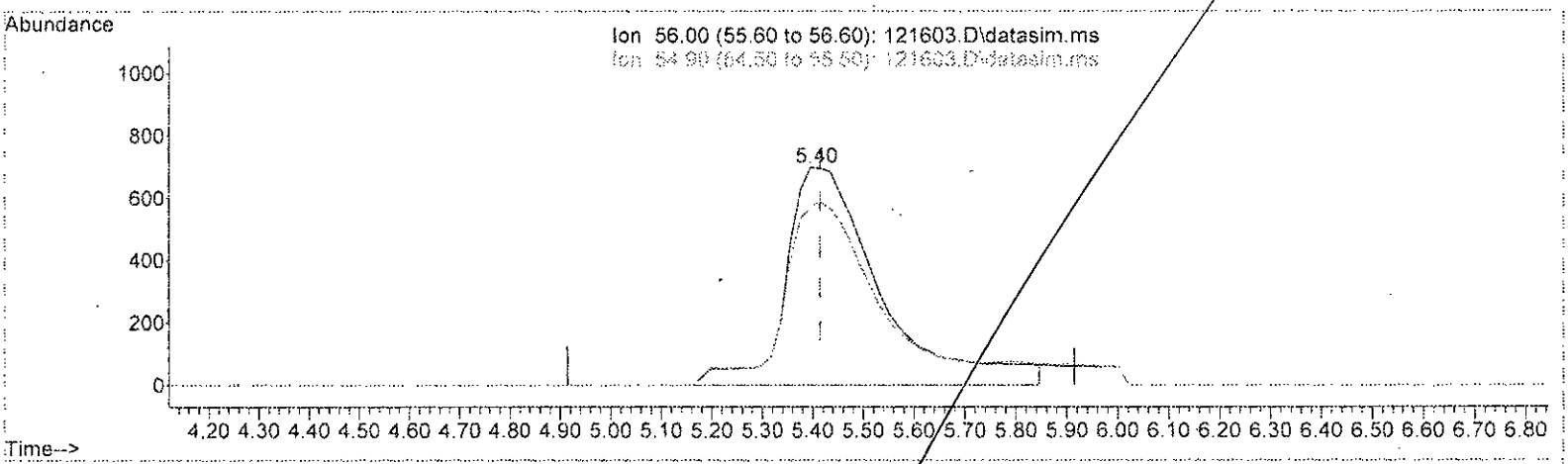
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	111.08
0.00	0.00	0.00
0.00	0.00	0.00

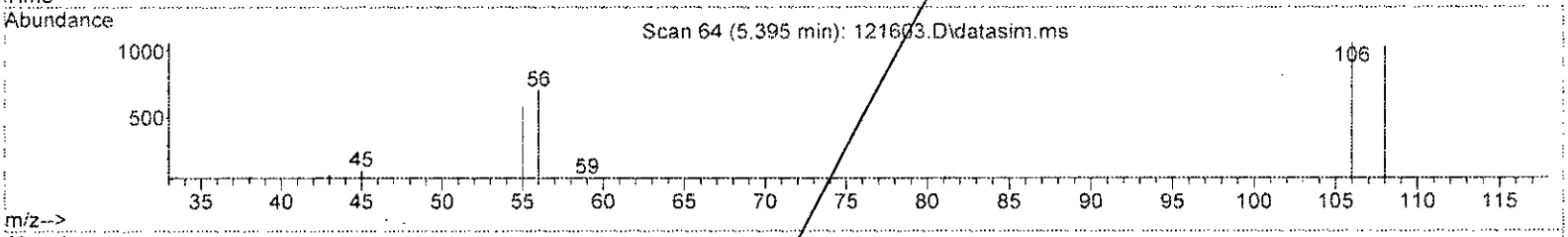
12/19/22

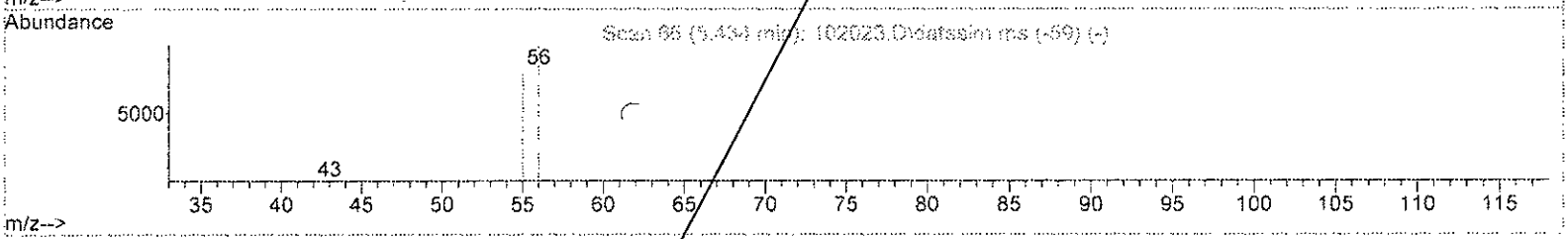
Quantitation Report (Qedit)

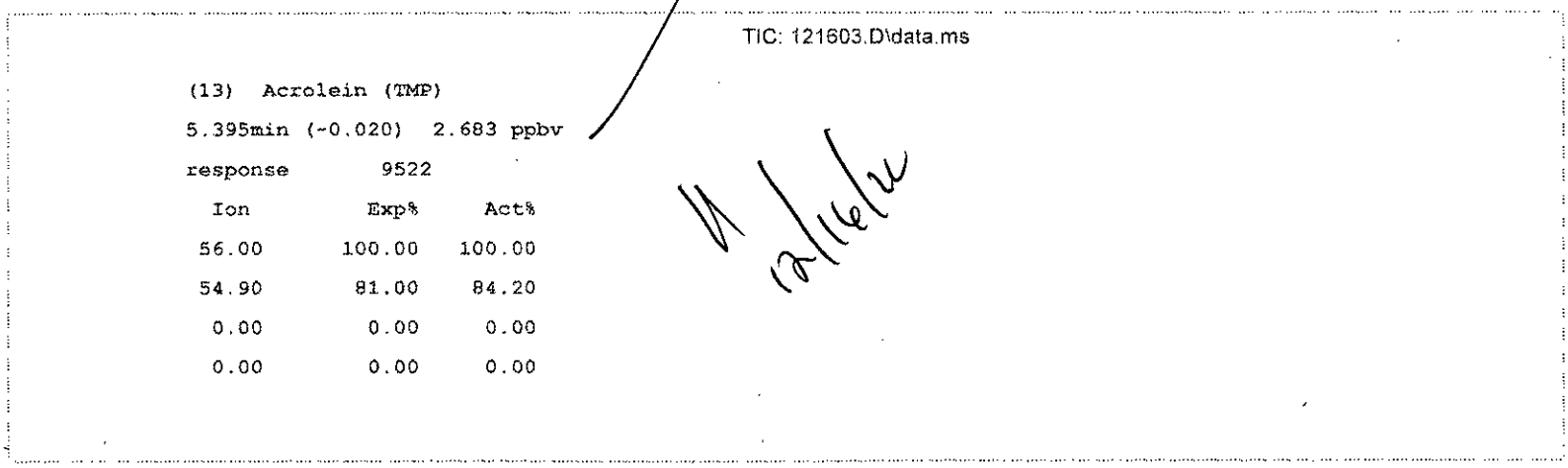
Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M









(13) Acrolein (TMP)
5.395min (-0.020) 2.683 ppbv
response 9522

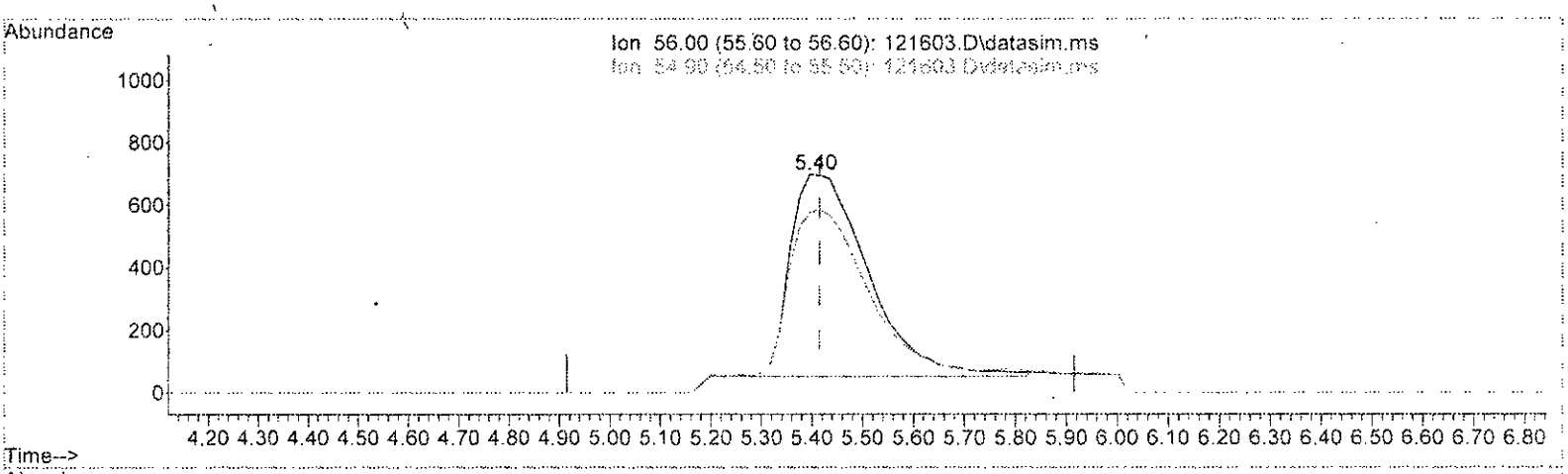
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	84.20
0.00	0.00	0.00
0.00	0.00	0.00

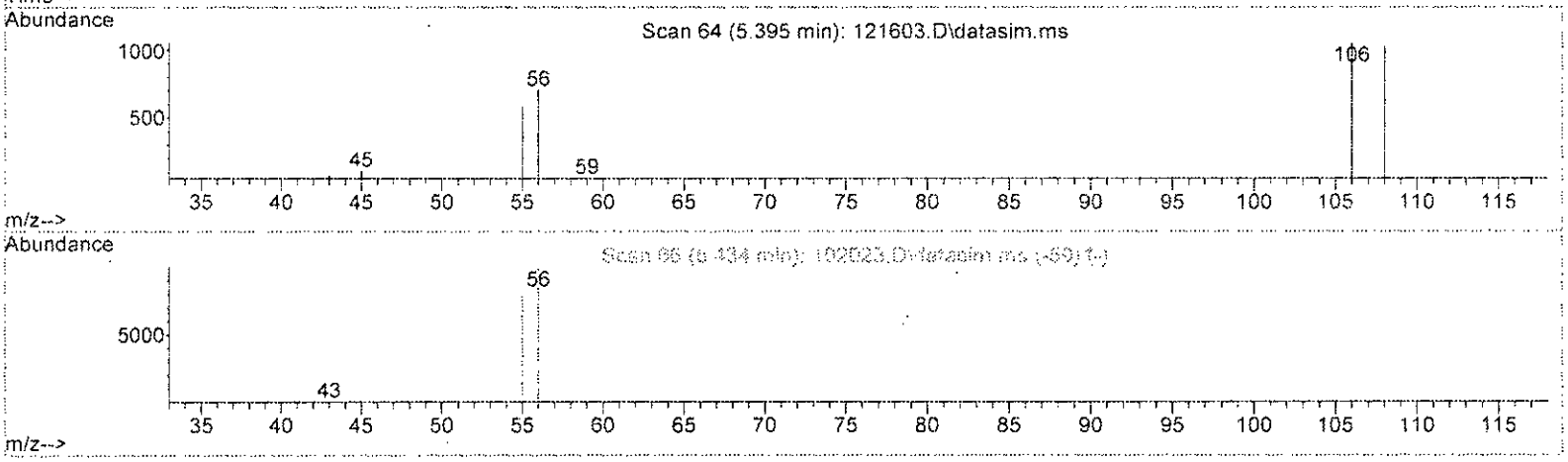
12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121603.D\data.ms

(13) Acrolein (TMP)

5.395min (-0.020) 1.942 ppbv m

response 6895

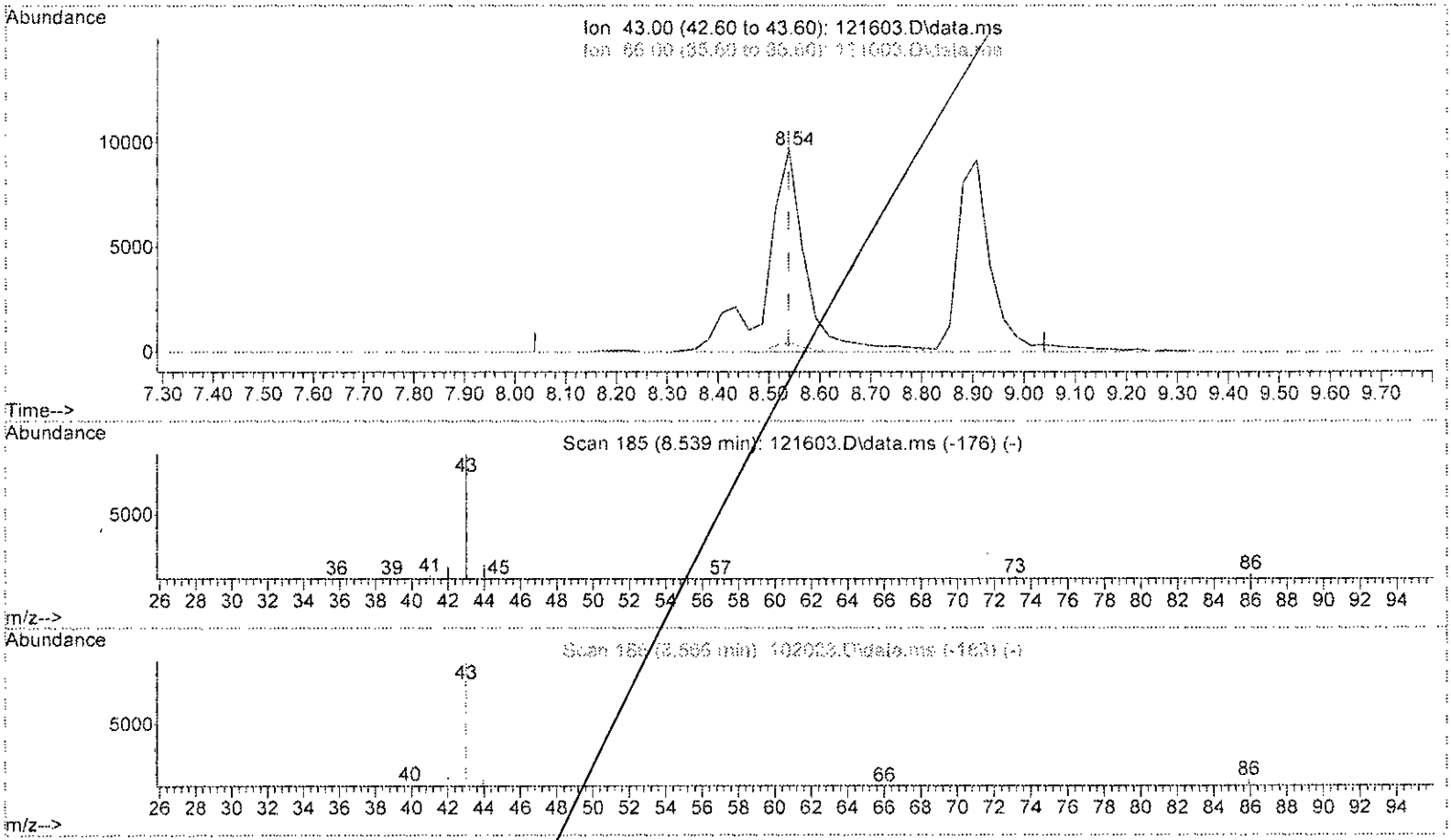
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	116.29#
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(26) Vinyl acetate (TMP)

8.539min (+ 0.000) 2.826 ppbv

response 52312

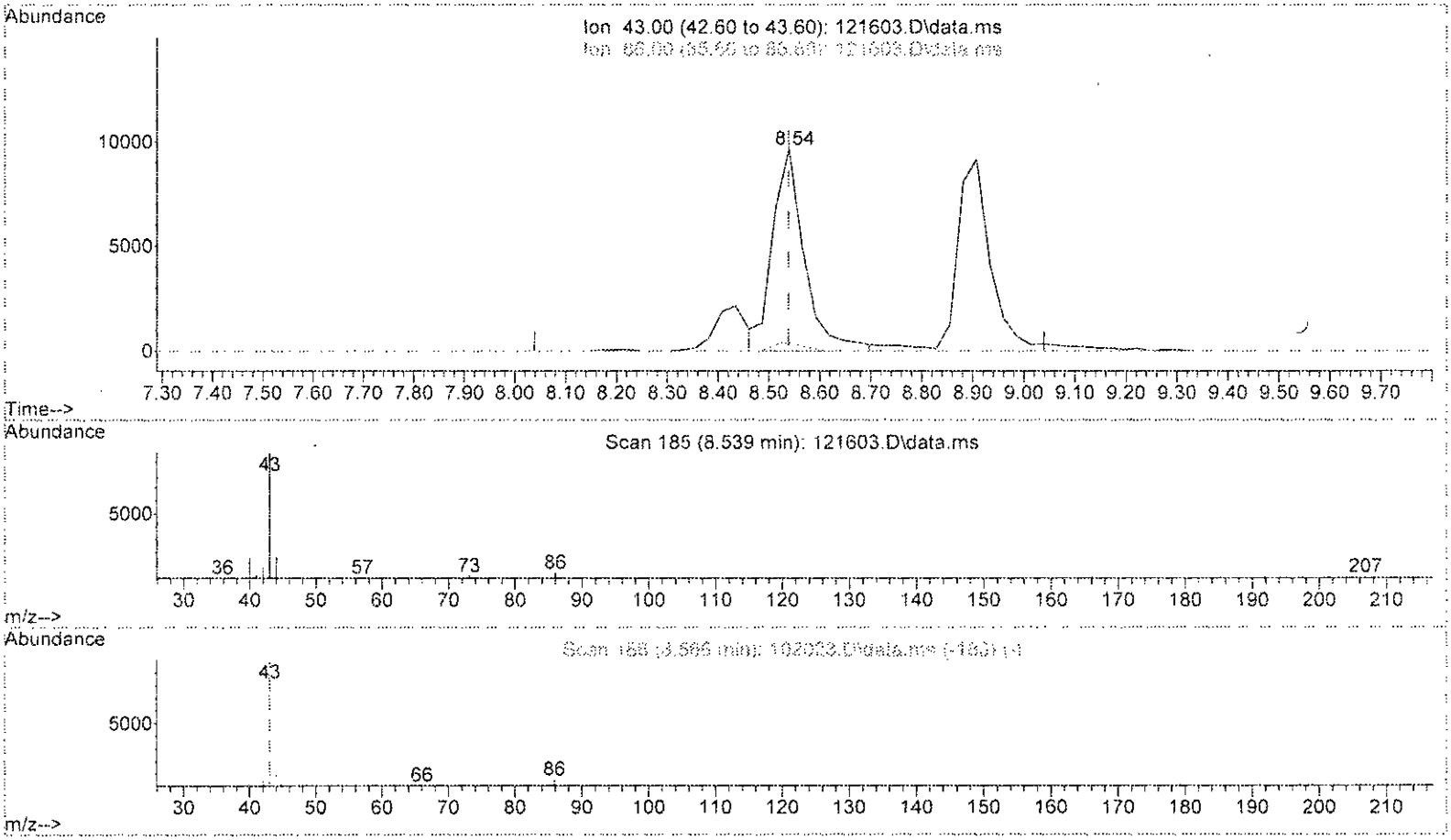
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.54
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(26) Vinyl acetate (TMP)

8.539min (+ 0.000) 2.248 ppbv m

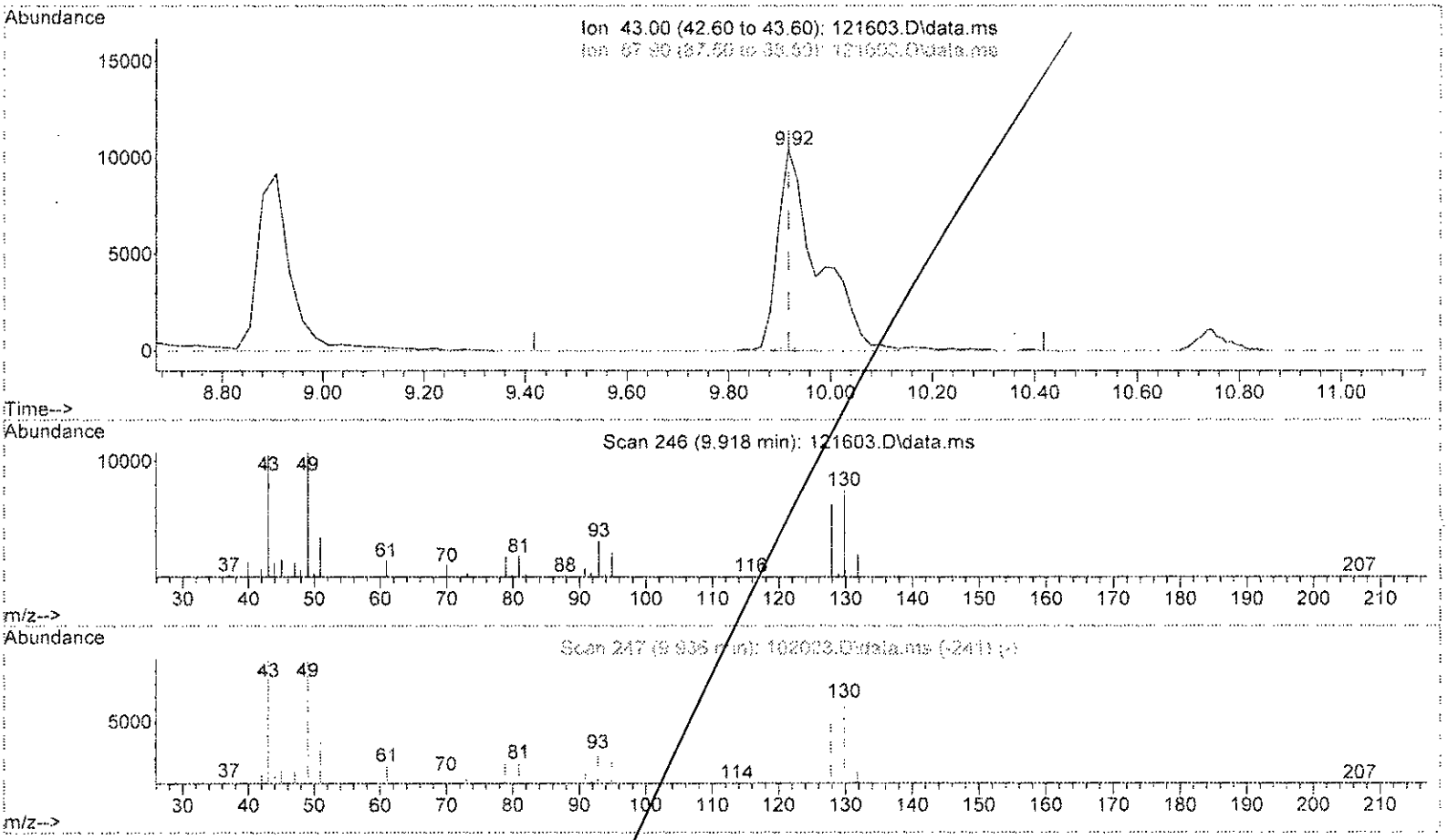
response 41613

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

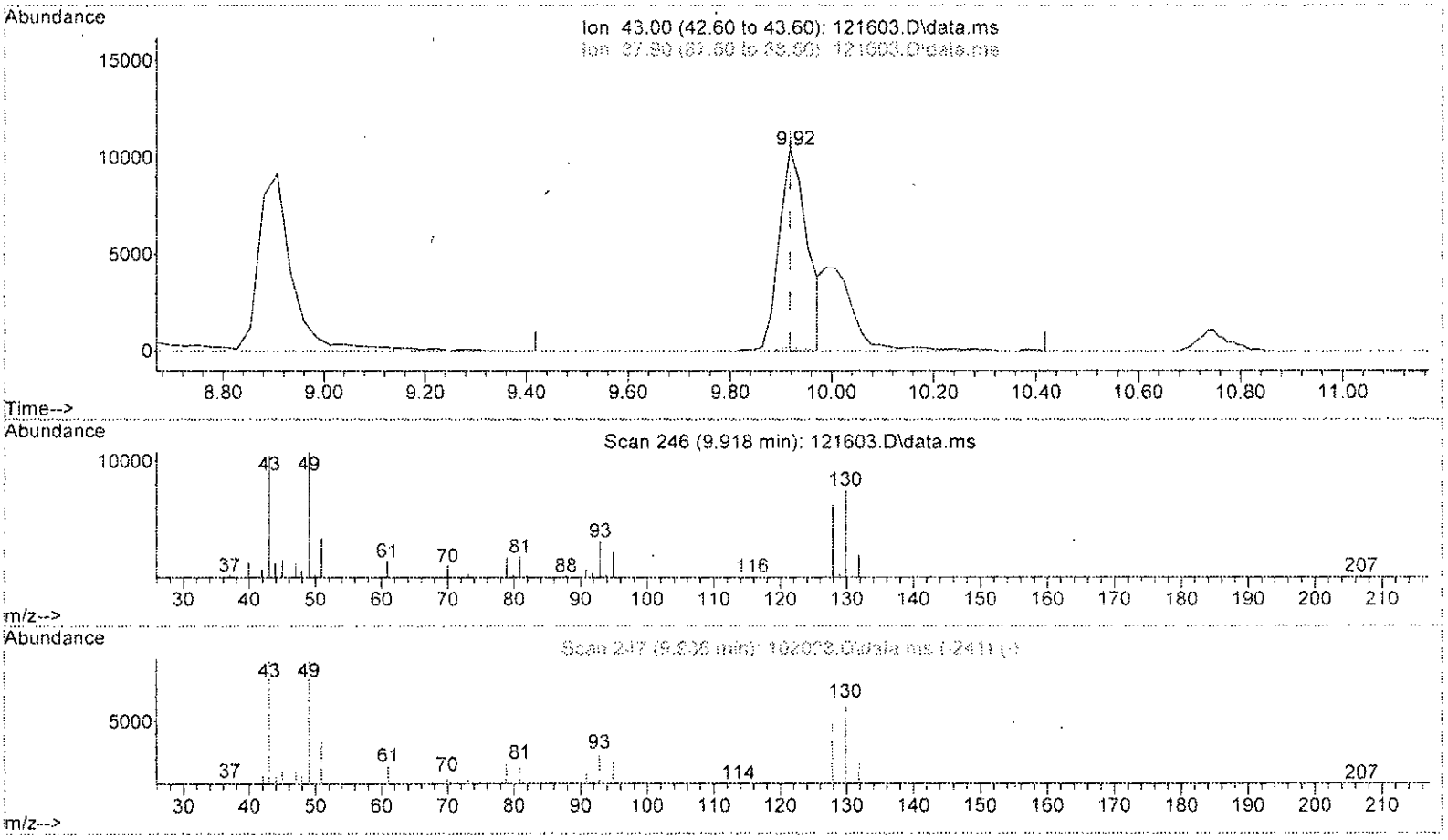
(31) Ethyl acetate (TMP)
9.918min (-0.000) 3.103 ppbv
response 57259

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(31) Ethyl acetate (TMP)

9.918min (-0.000) 2.174 ppbv m

response 40109

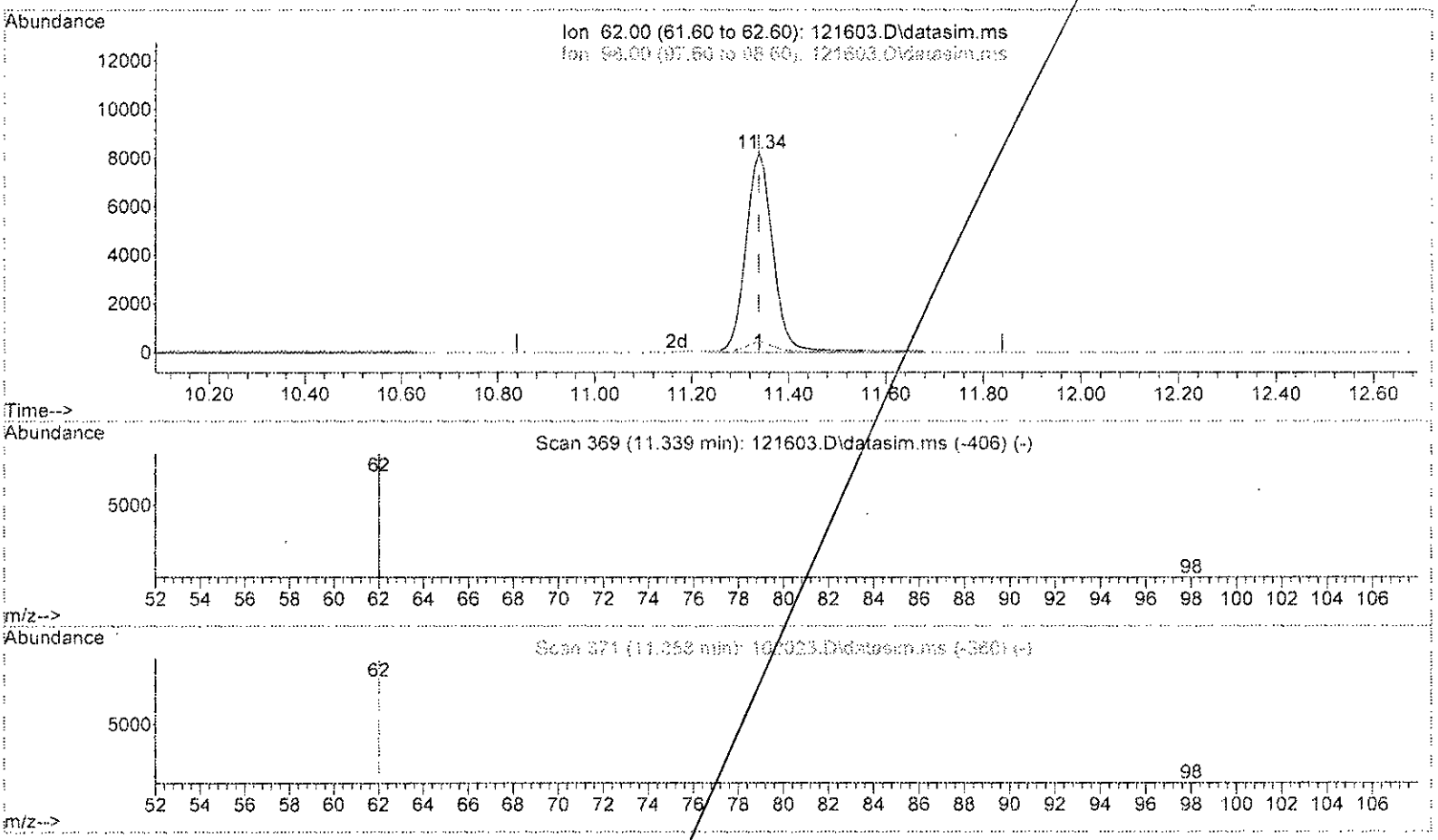
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.35#
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(34) 1,2-Dichloroethane (EDC), (TMP)

11.339min (+ 0.000) 2.620 ppbv

response 32674

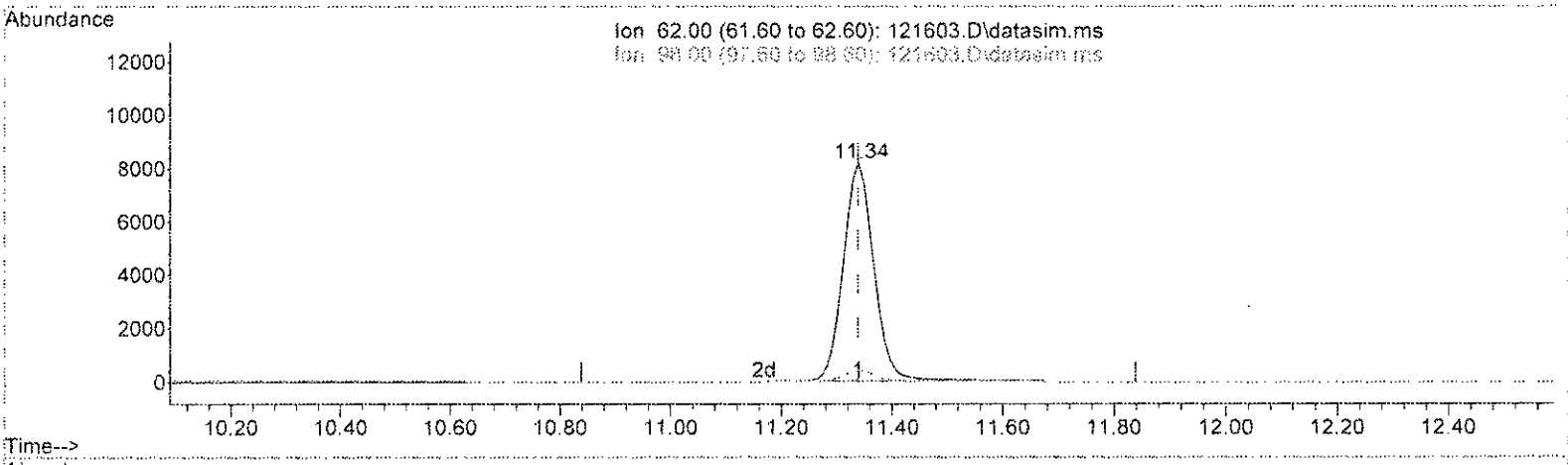
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.34
0.00	0.00	0.00
0.00	0.00	0.00

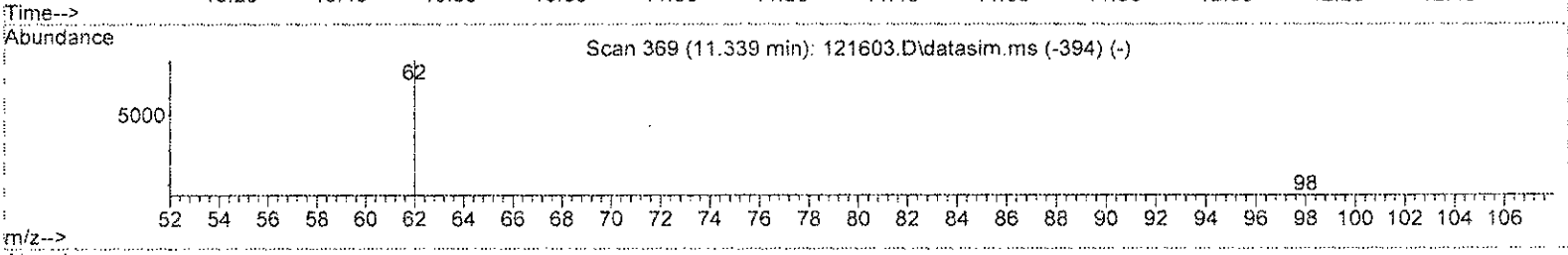
12/16/22

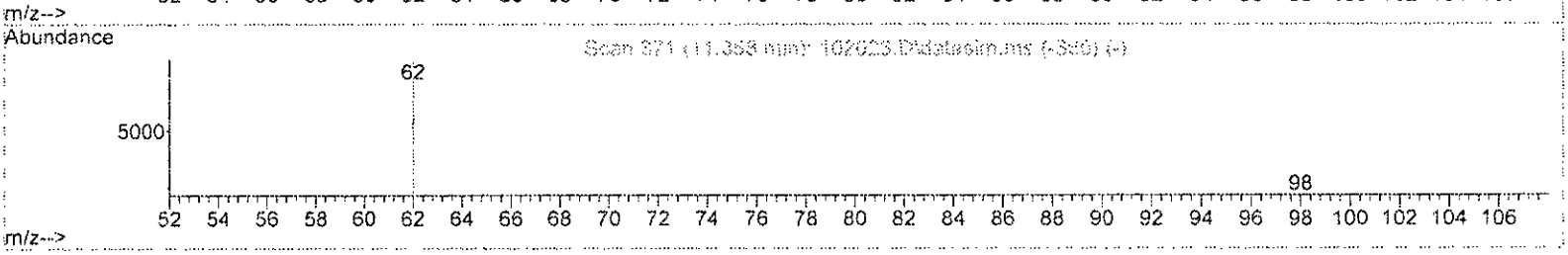
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121603.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.339min (+ 0.000) 2.506 ppbv m

response 31274

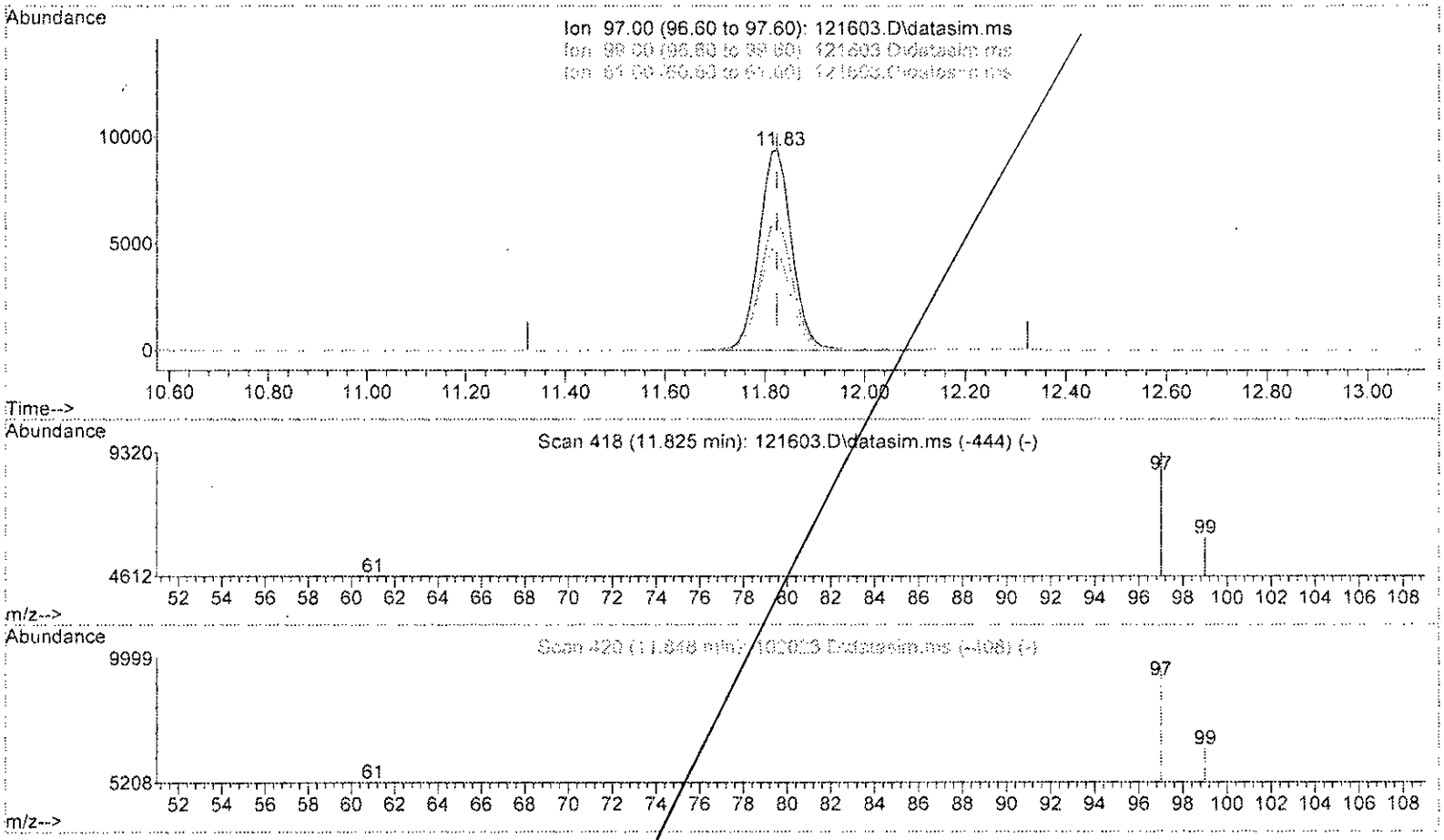
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.34
0.00	0.00	0.00
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)
11.825min (+ 0.000) 2.652 ppbv
response 43176

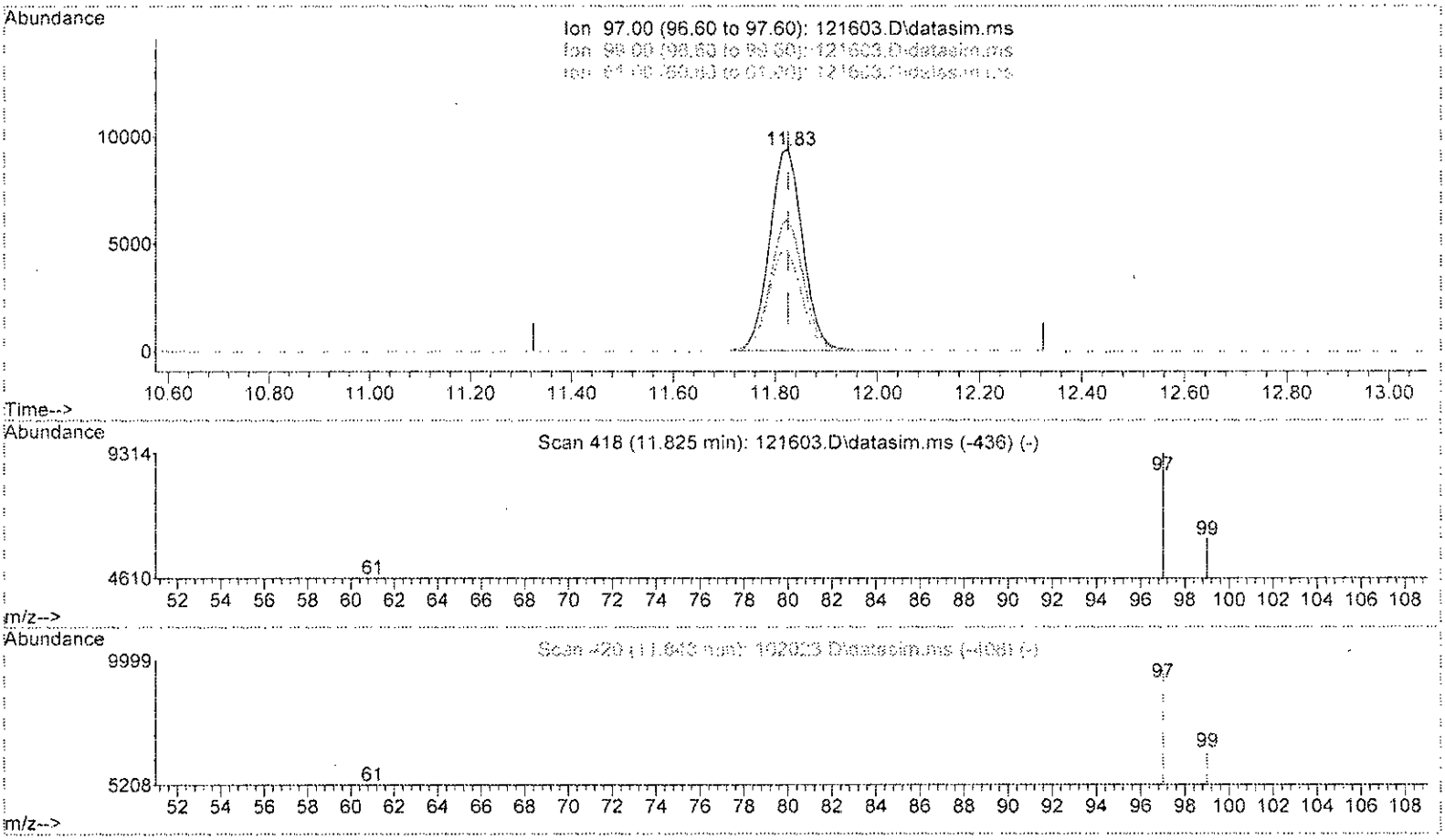
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.31
61.00	49.30	49.81
0.00	0.00	0.00

12/16/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121603.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.825min (+ 0.000) 2.597 ppbv m

response 42280

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.31
61.00	49.30	49.81
0.00	0.00	0.00

12/16/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	48699	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	202988	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	185926	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	132589	10.290	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.90%			
Target Compounds						Qvalue
2) Propene	3.41	41	17100	2.653	ppbv	95
3) Dichlorodifluoromethane	3.49	85	49143	2.448	ppbv	96
4] Chloromethane	3.73	50	21198m	2.312	ppbv	
5) F-114	3.88	85	47777	2.326	ppbv	91
6] Vinyl chloride	4.09	62	19684	2.184	ppbv	98
7] 1,3-Butadiene	4.29	54	11740	1.982	ppbv #	82
8) Butane	4.40	43	24632	2.317	ppbv	96
9) Bromomethane	4.60	94	20345	2.262	ppbv	95
10] Chloroethane	4.84	64	7582m	2.379	ppbv	
11] Vinyl bromide	5.32	106	17980m	2.294	ppbv	
12) Ethanol	4.96	45	17053	5.280	ppbv	91
13] Acrolein	5.40	56	6895m	1.942	ppbv	
14) Pentane	6.25	43	25154	2.099	ppbv	96
15) Trichlorofluoromethane	5.84	101	60029	2.578	ppbv	89
16) Acetone	5.59	58	7980	2.306	ppbv	89
17) 2-Propanol	5.80	45	35902	2.381	ppbv	92
18] 1,1-Dichloroethene	6.63	96	17689	2.208	ppbv	94
19] trans-1,2-Dichloroethene	8.10	96	17231	2.214	ppbv #	75
20) Methylene chloride	6.80	84	21587	2.997	ppbv	85
21) t-Butyl alcohol (TBA)	6.57	59	30628	2.357	ppbv #	77
22) 3-Chloropropene	6.94	41	22299	2.227	ppbv	99
23) CFC-113	7.15	101	42269	2.502	ppbv	98
24) Carbon disulfide	7.25	76	57116	2.270	ppbv	98
25) Methyl t-butyl ether (...	8.43	73	36091	2.158	ppbv	98
26) Vinyl acetate	8.54	43	41613m	2.248	ppbv	
27] 1,1-Dichloroethane	8.36	63	39003	2.396	ppbv	98
28] cis-1,2-Dichloroethene	9.64	96	17927	2.178	ppbv	99
29) Hexane	10.01	57	20257	2.011	ppbv	89
30] Chloroform	10.08	83	47030	2.512	ppbv	96
31) Ethyl acetate	9.92	43	40109m	2.174	ppbv	
32) Tetrahydrofuran	10.74	42	18965	2.152	ppbv	97
33) 2-Butanone (MEK)	8.91	72	7176	2.381	ppbv #	75
34] 1,2-Dichloroethane (EDC)	11.34	62	31274m	2.506	ppbv	
35] 1,1,1-Trichloroethane	11.83	97	42280m	2.597	ppbv	
36] Carbon tetrachloride	12.86	117	45519	2.653	ppbv	98
37] Benzene	12.61	78	58158	2.272	ppbv	96
38) Cyclohexane	13.05	84	13178	1.980	ppbv	89
40] 1,2-Dichloropropane	13.80	63	27780	2.528	ppbv	94

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

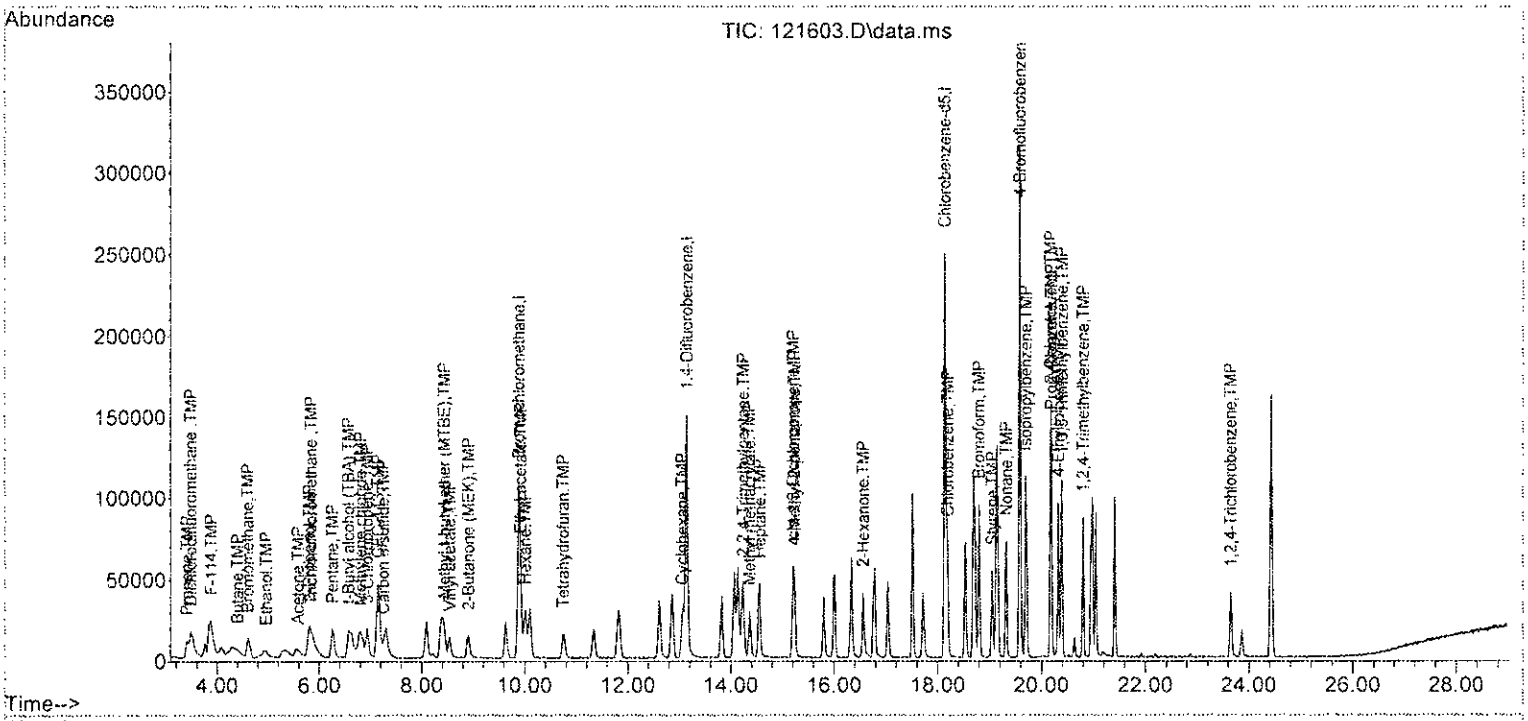
Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

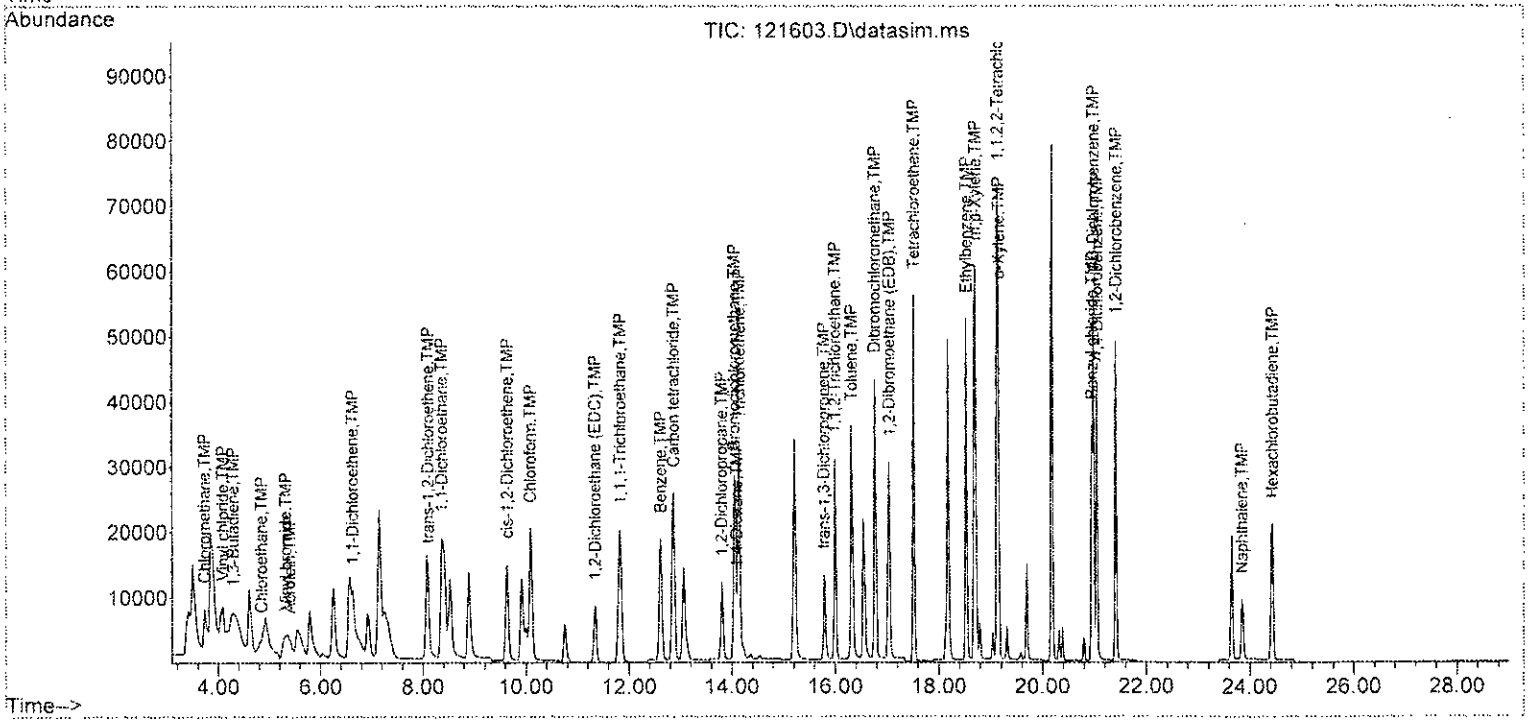
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	10796	2.310	ppbv		79
42) 2,2,4-Trimethylpentane	14.24	57	72377	2.231	ppbv	#	81
43) Methyl methacrylate	14.36	41	24157	2.452	ppbv		97
44) Heptane	14.56	43	31776	2.360	ppbv		96
45] Bromodichloromethane	14.04	83	49052	2.844	ppbv		100
46] Trichloroethene	14.14	95	30133	2.503	ppbv		93
47) cis-1,3-Dichloropropene	15.20	75	31257	2.572	ppbv		94
48) 4-Methyl-2-pentanone	15.23	100	2248	2.502	ppbv	#	95
49] trans-1,3-Dichloropropene	15.78	75	30313	2.652	ppbv		84
50] Toluene	16.31	92	34181	2.382	ppbv		99
51] 1,1,2-Trichloroethane	16.00	83	28718	2.748	ppbv		90
52) 2-Hexanone	16.56	43	42515	2.475	ppbv		93
53] Tetrachloroethene	17.52	164	27165	2.732	ppbv		93
54] Dibromochloromethane	16.76	129	50114	2.868	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.04	107	41859	2.716	ppbv		98
57) Chlorobenzene	18.19	112	51985	2.540	ppbv		100
58] Ethylbenzene	18.53	91	74426	2.236	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.13	83	68519	2.780	ppbv		92
60) Nonane	19.32	43	37948	2.081	ppbv		96
61) Isopropylbenzene	19.70	105	81821	2.456	ppbv		98
62) 2-Chlorotoluene	20.17	126	20158	2.420	ppbv		77
63) Propylbenzene	20.19	91	145652	2.380	ppbv		97
64) 4-Ethyltoluene	20.32	105	62944	2.101	ppbv		100
65] m,p-Xylene	18.70	106	53348	4.531	ppbv		97
66] o-Xylene	19.15	106	26828	2.347	ppbv		99
67) Styrene	19.05	104	32536	2.137	ppbv		97
68) Bromoform	18.80	173	54349	2.842	ppbv		99
70] Benzyl chloride	20.95	91	57399	2.663	ppbv		100
71) 1,3,5-Trimethylbenzene	20.39	105	70355	2.610	ppbv		99
72) 1,2,4-Trimethylbenzene	20.80	105	48895	1.979	ppbv		96
73] 1,3-Dichlorobenzene	20.98	146	47978	2.550	ppbv		99
74] 1,4-Dichlorobenzene	21.05	146	43277	2.458	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	49591	2.604	ppbv		94
76) 1,2,4-Trichlorobenzene	23.64	180	19919	1.744	ppbv		96
77] Naphthalene	23.84	128	22106	1.576	ppbv		97
78] Hexachlorobutadiene	24.44	225	53977	2.779	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	81	0.00
2	TMP	Propene	2.500	2.653	-6.1	80	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.448	2.1	76	0.00
4	TMP	Chloromethane	2.500	2.312	7.5	74	0.00
5	TMP	F-114	2.500	2.326	7.0	76	0.00
6	TMP	Vinyl chloride	2.500	2.184	12.6	72	0.00
7	TMP	1,3-Butadiene	2.500	1.982	20.7	66	0.00
8	TMP	Butane	2.500	2.317	7.3	71	0.08
9	TMP	Bromomethane	2.500	2.262	9.5	73	0.00
10	TMP	Chloroethane	2.500	2.379	4.8	72	0.00
11	TMP	Vinyl bromide	2.500	2.294	8.2	71	0.00
12	TMP	Ethanol	2.500	5.280	-111.2#	158	0.00
13	TMP	Acrolein	2.500	1.942	22.3	70	-0.02
14	TMP	Pentane	2.500	2.099	16.0	64	0.00
15	TMP	Trichlorofluoromethane	2.500	2.578	-3.1	77	0.00
16	TMP	Acetone	2.500	2.306	7.8	68	0.02
17	TMP	2-Propanol	2.500	2.381	4.8	74	0.02
18	TMP	1,1-Dichloroethene	2.500	2.208	11.7	73	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.214	11.4	71	0.00
20	TMP	Methylene chloride	2.500	2.997	-19.9	88	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.357	5.7	77	0.00
22	TMP	3-Chloropropene	2.500	2.227	10.9	71	0.00
23	TMP	CFC-113	2.500	2.502	-0.1	75	0.00
24	TMP	Carbon disulfide	2.500	2.270	9.2	65	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.158	13.7	66	0.00
26	TMP	Vinyl acetate	2.500	2.248	10.1	68	0.00
27	TMP	1,1-Dichloroethane	2.500	2.396	4.2	74	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.178	12.9	70	0.00
29	TMP	Hexane	2.500	2.011	19.6	64	0.00
30	TMP	Chloroform	2.500	2.512	-0.5	77	-0.02
31	TMP	Ethyl acetate	2.500	2.174	13.0	69	0.00
32	TMP	Tetrahydrofuran	2.500	2.152	13.9	71	-0.01
33	TMP	2-Butanone (MEK)	2.500	2.381	4.8	72	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.506	-0.2	78	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.597	-3.9	76	0.00
36	TMP	Carbon tetrachloride	2.500	2.653	-6.1	80	0.00
37	TMP	Benzene	2.500	2.272	9.1	70	0.00
38	TMP	Cyclohexane	2.500	1.980	20.8	60	-0.02
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	73	0.00
40	TMP	1,2-Dichloropropane	2.500	2.528	-1.1	73	0.00
41	TMP	1,4-Dioxane	2.500	2.310	7.6	70	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.231	10.8	62	0.00
43	TMP	Methyl methacrylate	2.500	2.452	1.9	67	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.360	5.6	66	0.00
45	TMP	Bromodichloromethane	2.500	2.844	-13.8	77	0.00
46	TMP	Trichloroethene	2.500	2.503	-0.1	75	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.572	-2.9	69	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.502	-0.1	71	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.652	-6.1	72	0.00
50	TMP	Toluene	2.500	2.382	4.7	67	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.748	-9.9	75	0.00
52	TMP	2-Hexanone	2.500	2.475	1.0	71	0.00
53	TMP	Tetrachloroethene	2.500	2.732	-9.3	76	0.00
54	TMP	Dibromochloromethane	2.500	2.868	-14.7	79	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.716	-8.6	75	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	76	0.00
57	TMP	Chlorobenzene	2.500	2.540	-1.6	74	0.00
58	TMP	Ethylbenzene	2.500	2.236	10.6	65	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.780	-11.2	79	0.00
60	TMP	Nonane	2.500	2.081	16.8	59	0.02
61	TMP	Isopropylbenzene	2.500	2.456	1.8	67	0.00
62	TMP	2-Chlorotoluene	2.500	2.420	3.2	68	0.00
63	TMP	Propylbenzene	2.500	2.380	4.8	64	0.00
64	TMP	4-Ethyltoluene	2.500	2.101	16.0	62	0.00
65	TMP	m,p-Xylene	5.000	4.531	9.4	65	0.00
66	TMP	o-Xylene	2.500	2.347	6.1	67	0.00
67	TMP	Styrene	2.500	2.137	14.5	62	0.00
68	TMP	Bromoform	2.500	2.842	-13.7	81	0.00
69	S	4-Bromofluorobenzene	10.000	10.290	-2.9	73	0.00
70	TMP	Benzyl chloride	2.500	2.663	-6.5	77	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.610	-4.4	70	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	1.979	20.8	59	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.550	-2.0	72	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.458	1.7	71	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.604	-4.2	73	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	1.744	30.2#	60	0.00
77	TMP	Naphthalene	2.500	1.576	37.0#	51	0.00
78	TMP	Hexachlorobutadiene	2.500	2.779	-11.2	83	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev. 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	81	0.00
2	TMP	Propene	1.556	1.405	9.7	80	0.00
3	TMP	Dichlorodifluoromethane	4.123	4.036	2.1	76	0.00
4	TMP	Chloromethane	1.882	1.741	7.5	74	0.00
5	TMP	F-114	4.217	3.924	6.9	76	0.00
6	TMP	Vinyl chloride	1.851	1.617	12.6	72	0.00
7	TMP	1,3-Butadiene	1.216	0.964	20.7	66	0.00
8	TMP	Butane	2.183	2.023	7.3	71	0.08
9	TMP	Bromomethane	1.847	1.671	9.5	73	0.00
10	TMP	Chloroethane	0.655	0.623	4.9	72	0.00
11	TMP	Vinyl bromide	1.609	1.477	8.2	71	0.00
12	TMP	Ethanol	0.663	1.401	-111.3#	158#	0.00
13	TMP	Acrolein	0.729	0.566	22.4	70	-0.02
14	TMP	Pentane	2.461	2.066	16.1	64	0.00
15	TMP	Trichlorofluoromethane	4.781	4.931	-3.1	77	0.00
16	TMP	Acetone	0.710	0.655	7.7	68	0.02
17	TMP	2-Propanol	3.096	2.949	4.7	74	0.02
18	TMP	1,1-Dichloroethene	1.645	1.453	11.7	73	0.00
19	TMP	trans-1,2-Dichloroethene	1.598	1.415	11.5	71	0.00
20	TMP	Methylene chloride	1.479	1.773	-19.9	88	0.00
21	TMP	t-Butyl alcohol (TBA)	2.668	2.516	5.7	77	0.00
22	TMP	3-Chloropropene	2.056	1.832	10.9	71	0.00
23	TMP	CFC-113	3.469	3.472	-0.1	75	0.00
24	TMP	Carbon disulfide	5.167	4.691	9.2	65	-0.03
25	TMP	Methyl t-butyl ether (MTBE)	3.434	2.964	13.7	66	0.00
26	TMP	Vinyl acetate	3.801	3.418	10.1	68	0.00
27	TMP	1,1-Dichloroethane	3.342	3.204	4.1	74	0.00
28	TMP	cis-1,2-Dichloroethene	1.690	1.472	12.9	70	0.00
29	TMP	Hexane	2.068	1.664	19.5	64	0.00
30	TMP	Chloroform	4.060	3.863	4.9	77	-0.02
31	TMP	Ethyl acetate	3.789	3.294	13.1	69	0.00
32	TMP	Tetrahydrofuran	1.809	1.558	13.9	71	-0.01
33	TMP	2-Butanone (MEK)	0.619	0.589	4.8	72	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.687	2.569	4.4	78	0.00
35	TMP	1,1,1-Trichloroethane	3.343	3.473	-3.9	76	0.00
36	TMP	Carbon tetrachloride	3.523	3.739	-6.1	80	0.00
37	TMP	Benzene	5.688	4.777	16.0	70	0.00
38	TMP	Cyclohexane	1.367	1.082	20.8	60	-0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	73	0.00
40	TMP	1,2-Dichloropropane	0.541	0.547	-1.1	73	0.00
41	TMP	1,4-Dioxane	0.230	0.213	7.4	70	0.00
42	TMP	2,2,4-Trimethylpentane	1.598	1.426	10.8	62	0.00
43	TMP	Methyl methacrylate	0.485	0.476	1.9	67	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121603.D
Acq On : 16 Dec 2022 3:55 pm
Operator : bat
Sample : 02-2970 lcs/ 2.5 ppbv 68-40a
Misc : Cal line
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:10 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

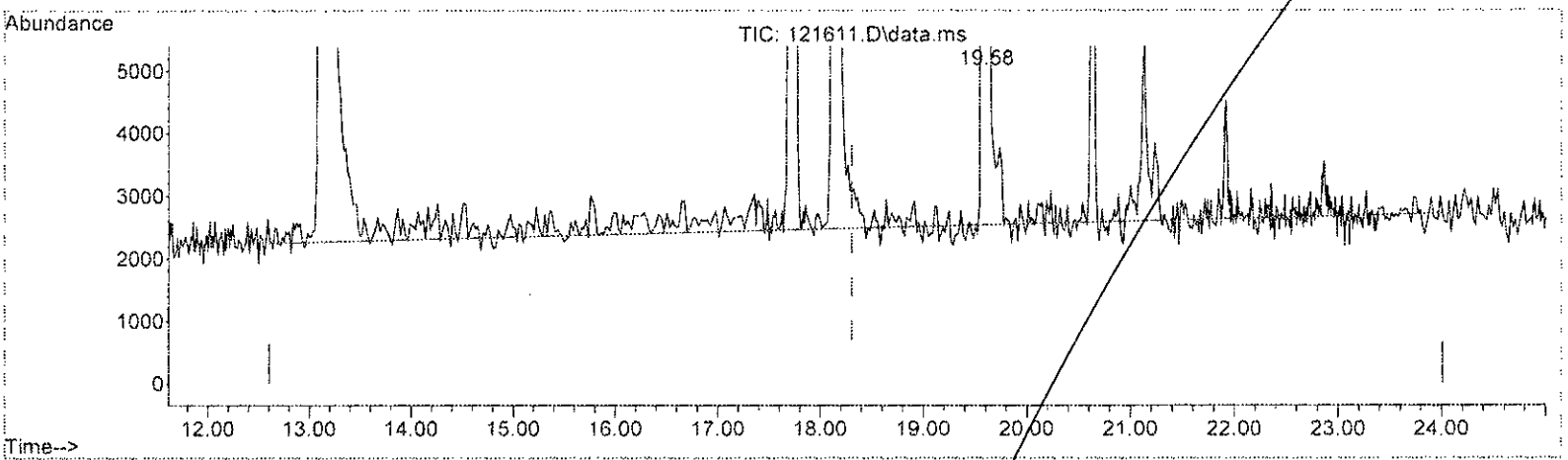
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.663	0.626	5.6	66	0.00
45	TMP	Bromodichloromethane	0.850	0.967	-13.8	77	0.00
46	TMP	Trichloroethene	0.593	0.594	-0.2	75	0.00
47	TMP	cis-1,3-Dichloropropene	0.599	0.616	-2.8	69	0.00
48	TMP	4-Methyl-2-pentanone	0.044	0.044	0.0	71	0.00
49	TMP	trans-1,3-Dichloropropene	0.563	0.597	-6.0	72	0.00
50	TMP	Toluene	0.707	0.674	4.7	67	0.00
51	TMP	1,1,2-Trichloroethane	0.550	0.566	-2.9	75	0.00
52	TMP	2-Hexanone	0.846	0.838	0.9	71	0.00
53	TMP	Tetrachloroethene	0.490	0.535	-9.2	76	0.00
54	TMP	Dibromochloromethane	0.861	0.988	-14.8	79	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.824	0.825	-0.1	75	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	76	0.00
57	TMP	Chlorobenzene	1.101	1.118	-1.5	74	0.00
58	TMP	Ethylbenzene	1.968	1.601	18.6	65	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.394	1.474	-5.7	79	0.00
60	TMP	Nonane	0.981	0.816	16.8	59#	0.02
61	TMP	Isopropylbenzene	1.792	1.760	1.8	67	0.00
62	TMP	2-Chlorotoluene	0.448	0.434	3.1	68	0.00
63	TMP	Propylbenzene	3.292	3.134	4.8	64	0.00
64	TMP	4-Ethyltoluene	1.611	1.354	16.0	62	0.00
65	TMP	m,p-Xylene	0.633	0.574	9.3	65	0.00
66	TMP	o-Xylene	0.615	0.577	6.2	67	0.00
67	TMP	Styrene	0.819	0.700	14.5	62	0.00
68	TMP	Bromoform	1.028	1.169	-13.7	81	0.00
69	S	4-Bromofluorobenzene	0.693	0.713	-2.9	73	0.00
70	TMP	Benzyl chloride	0.987	1.235	-25.1	77	0.00
71	TMP	1,3,5-Trimethylbenzene	1.450	1.514	-4.4	70	0.00
72	TMP	1,2,4-Trimethylbenzene	1.247	1.052	15.6	59#	0.00
73	TMP	1,3-Dichlorobenzene	1.012	1.032	-2.0	72	0.00
74	TMP	1,4-Dichlorobenzene	0.947	0.931	1.7	71	0.00
75	TMP	1,2-Dichlorobenzene	1.024	1.067	-4.2	73	0.00
76	TMP	1,2,4-Trichlorobenzene	0.626	0.429	31.5#	60	0.00
77	TMP	Naphthalene	1.132	0.476	58.0#	51#	0.00
78	TMP	Hexachlorobutadiene	1.045	1.161	-11.1	83	0.00

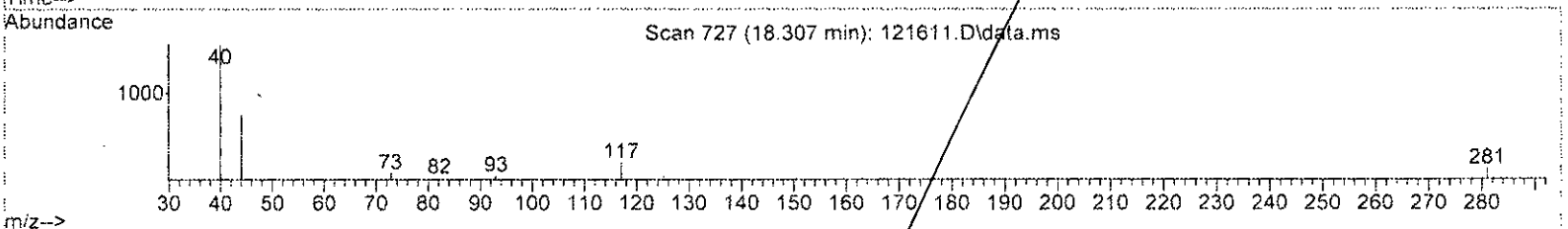
(#) = Out of Range SPCC's out = 0 CCC's out = 0

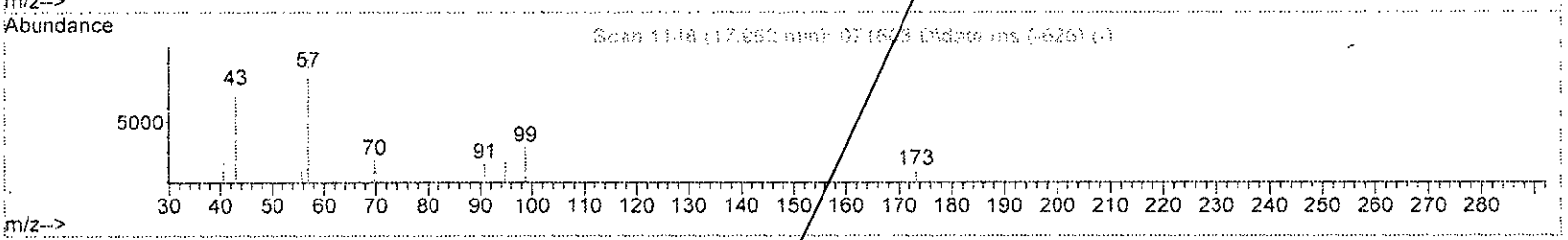
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:09:40 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121611.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 2.328 ppbv m

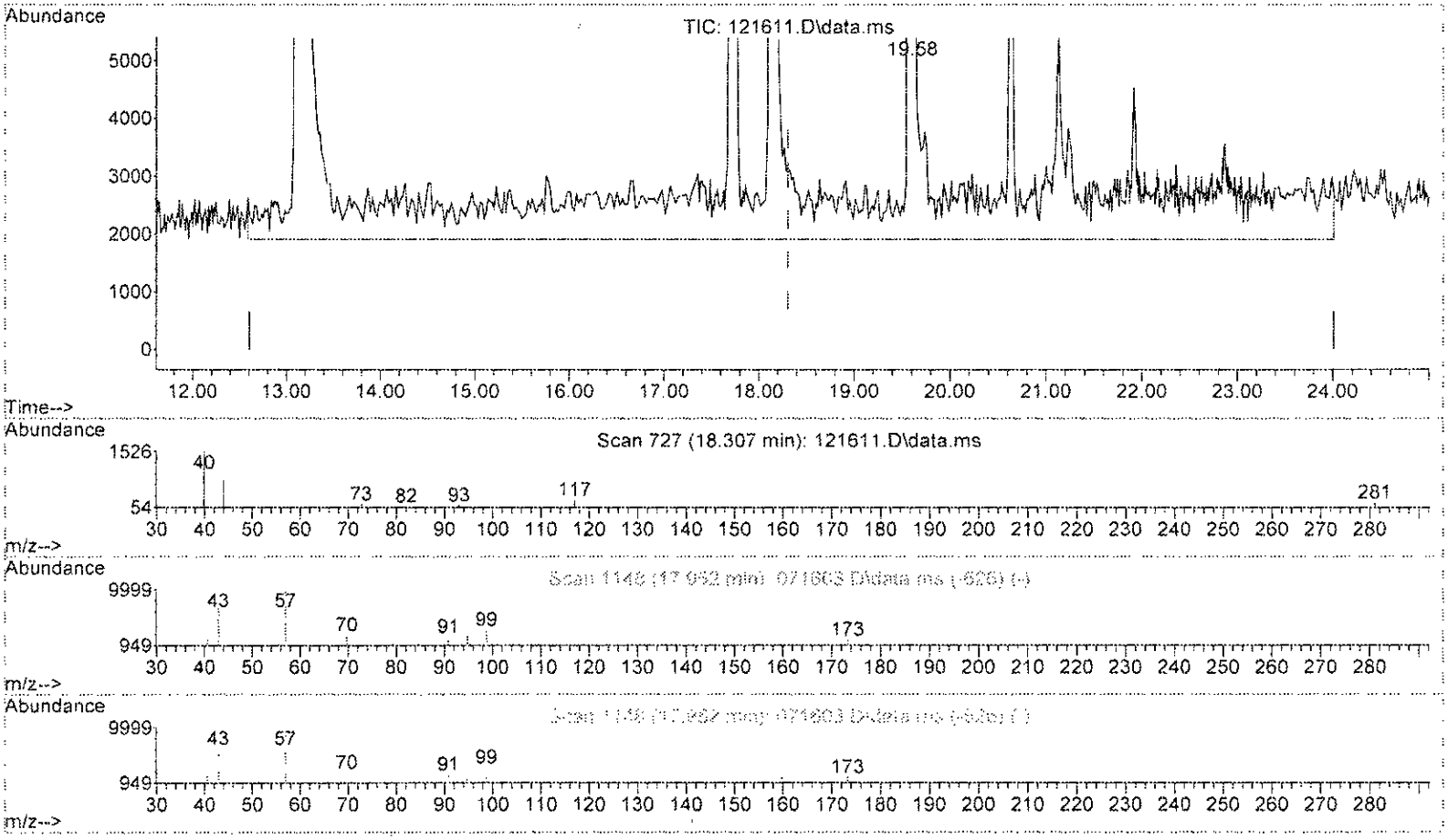
response 58253

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:09:40 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121611.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 78.430 ppbv m

response 1962219

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/19/22

Area Percent Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\GCMS7 Methods\1216GAS80silox7.M
Title : TO-15 method

Signal : TIC: 121611.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.922	14	21	27	rBV4	1198	17813	3.22%	0.838%
2	4.320	27	31	37	rVB4	1876	23426	4.24%	1.101%
3	7.304	131	140	149	rBV	11120	56644	10.24%	2.663%
4	9.864	237	243	257	rBV	96289	372661	67.38%	17.521%
5	13.142	482	493	513	rBV	121056 b	481231	87.01%	22.626%
6	17.716	685	694	702	rBV	45067 e	128740	23.28%	6.053%
7	18.130	713	718	734	rVB	193201 c	553073	100.00%	26.004%
8	19.578	787	792	798	rBV	205241 d	470246	85.02%	22.109%
9	20.638	852	856	860	rVB	9182 f	23062	4.17%	1.084%

Sum of corrected areas: 2126896

Signal : TIC: 121611.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.888	17	20	27	rBV2	666	6311	32.71%	10.425%
2	4.246	27	29	43	rVB3	1490	19291	100.00%	31.868%
3	5.591	65	71	78	rBV3	1070	5966	30.93%	9.855%
4	6.232	96	99	104	rVV3	347	1942	10.07%	3.208%
5	7.284	134	139	141	rBV	412	2193	11.37%	3.623%
6	12.415	449	452	459	rBV2	307	3131	16.23%	5.172%
7	13.130	488	492	505	rBV	1737	6974	36.15%	11.521%
8	13.577	515	516	518	rBV	198	1062	5.51%	1.754%
9	18.136	715	718	732	rBV	3975	10650	55.21%	17.593%
10	19.584	789	792	796	rBV	705	1811	9.39%	2.992%
11	23.415	1138	1139	1140	rBV	399	1204	6.24%	1.989%

Sum of corrected areas: 60535

1216GAS80silox7.M Mon Dec 19 18:22:15 2022

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:09:40 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	46293	10.000	ppbv	#-0.02
2) 1,4-Difluorobenzene	13.14	114	184657	10.000	ppbv	0.00
3) Chlorobenzene-d5	18.13	117	166712	10.000	ppbv	0.00
System Monitoring Compounds						
4) 4-Bromofluorobenzene	19.58	95	95663	9.005	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.10%			
Target Compounds						Qvalue
5) NWTPH-Gx	18.31	TIC	1962219m	78.430	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

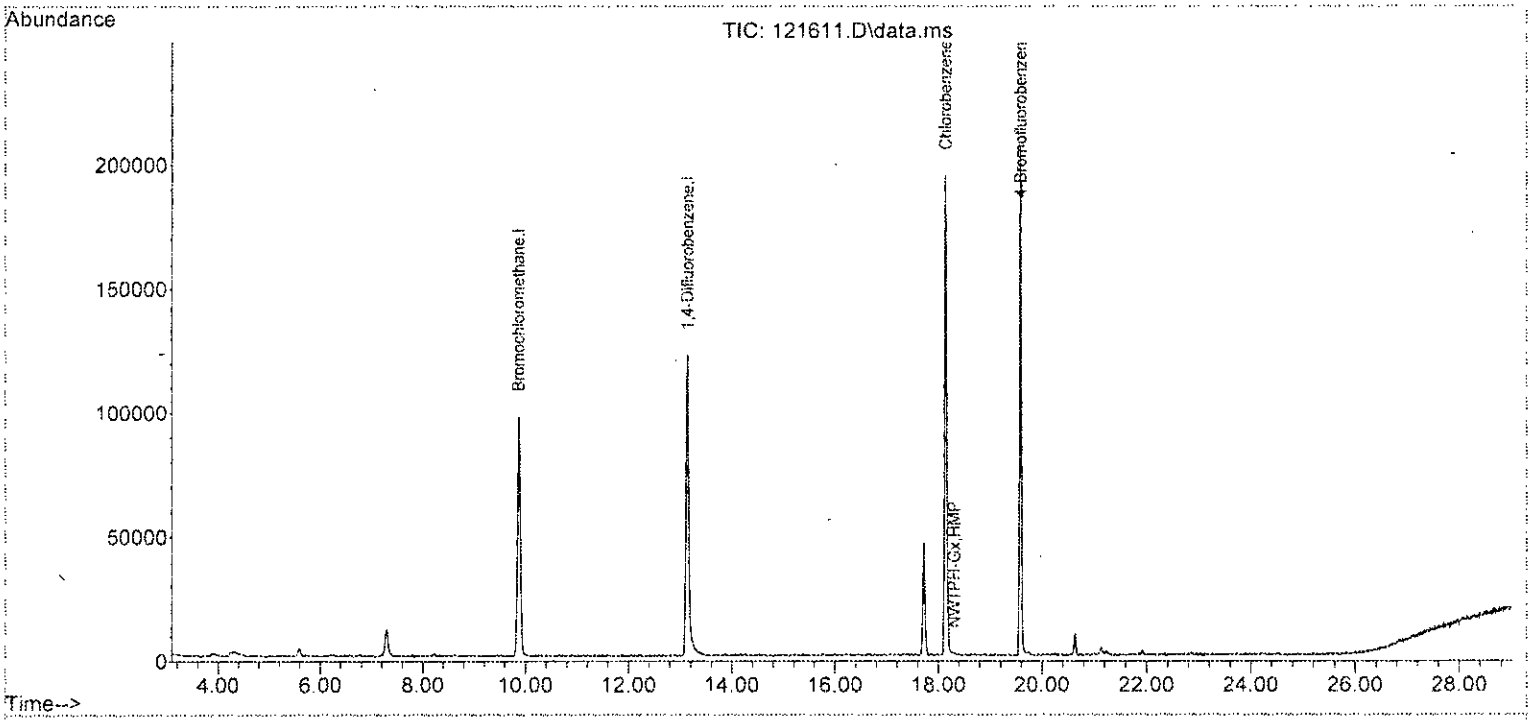
< 80 ppbv

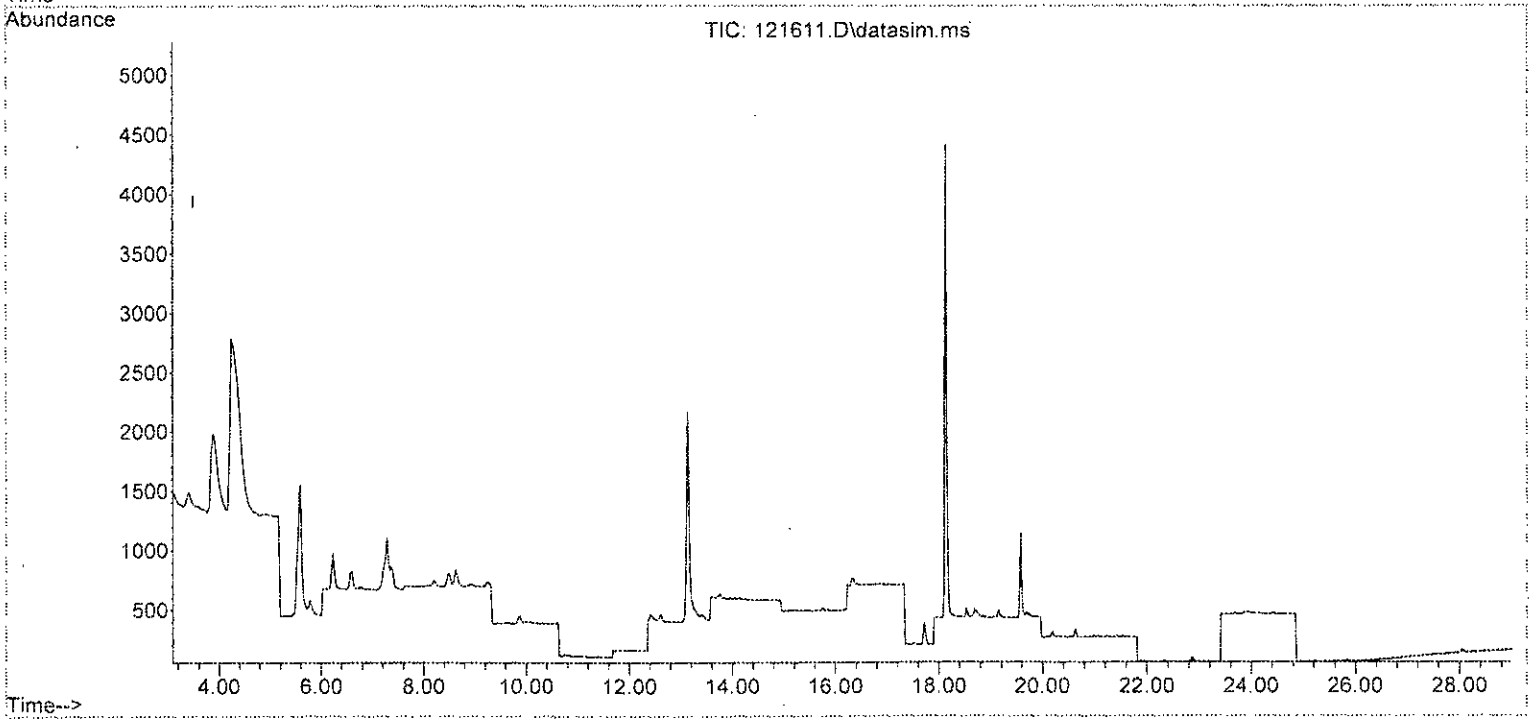
12/19/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:09:40 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

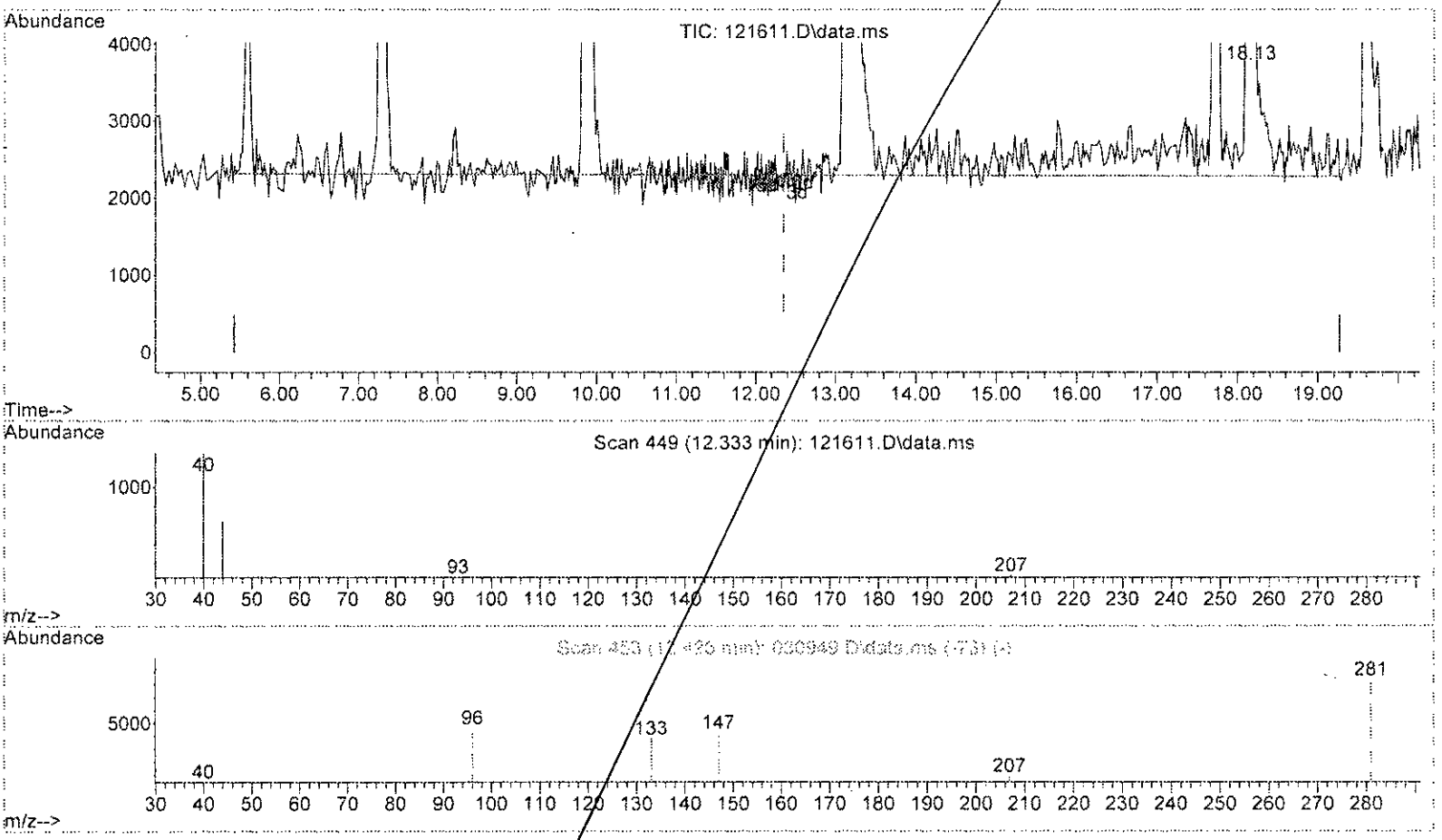




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121611.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 28.111 ug/m3 m

response 369905

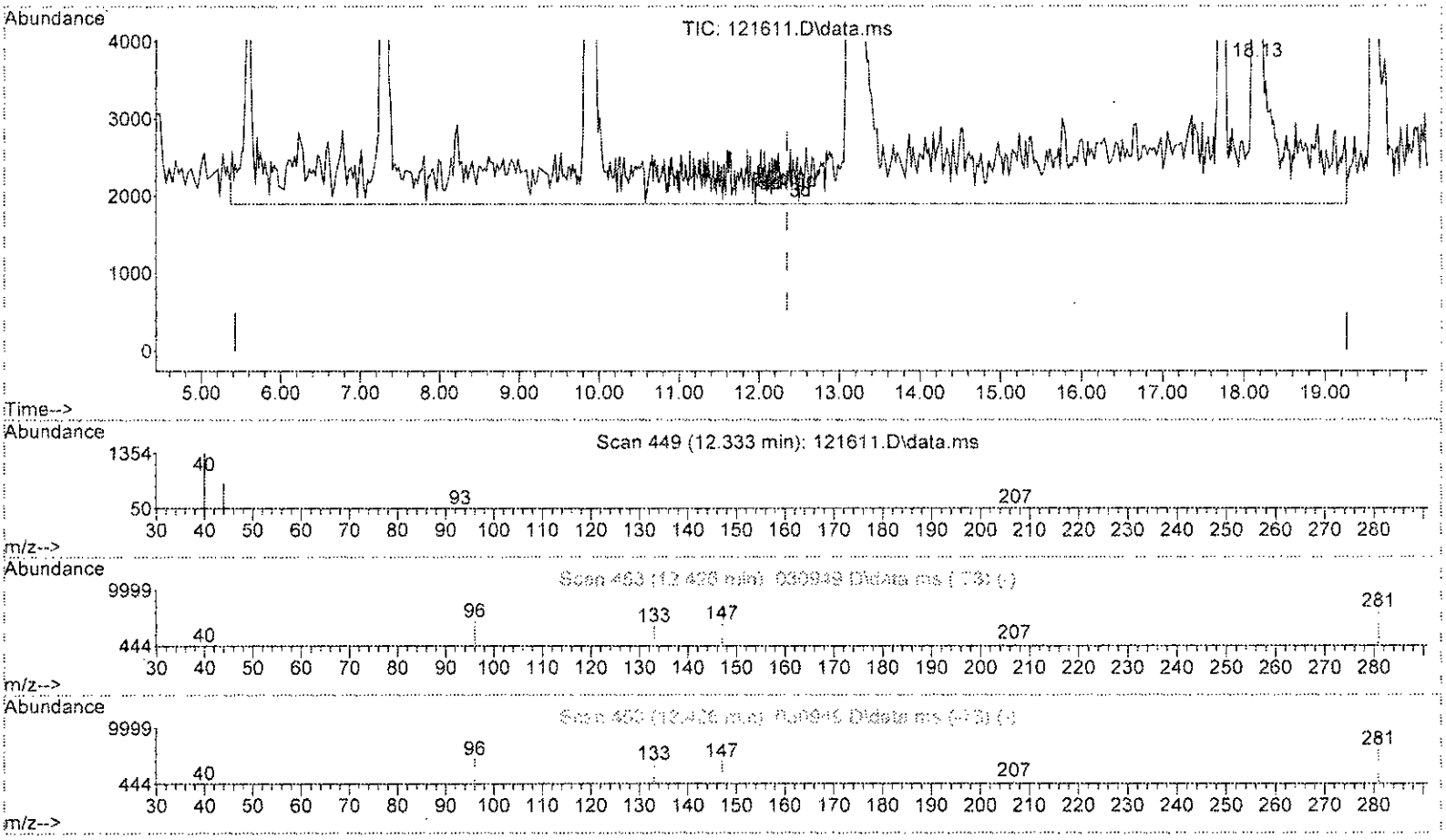
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/19/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121611.D\data.ms

(19) APH EC5-8 aliphatics (H)

12.350min (0.000) 160.806 ug/m3 m

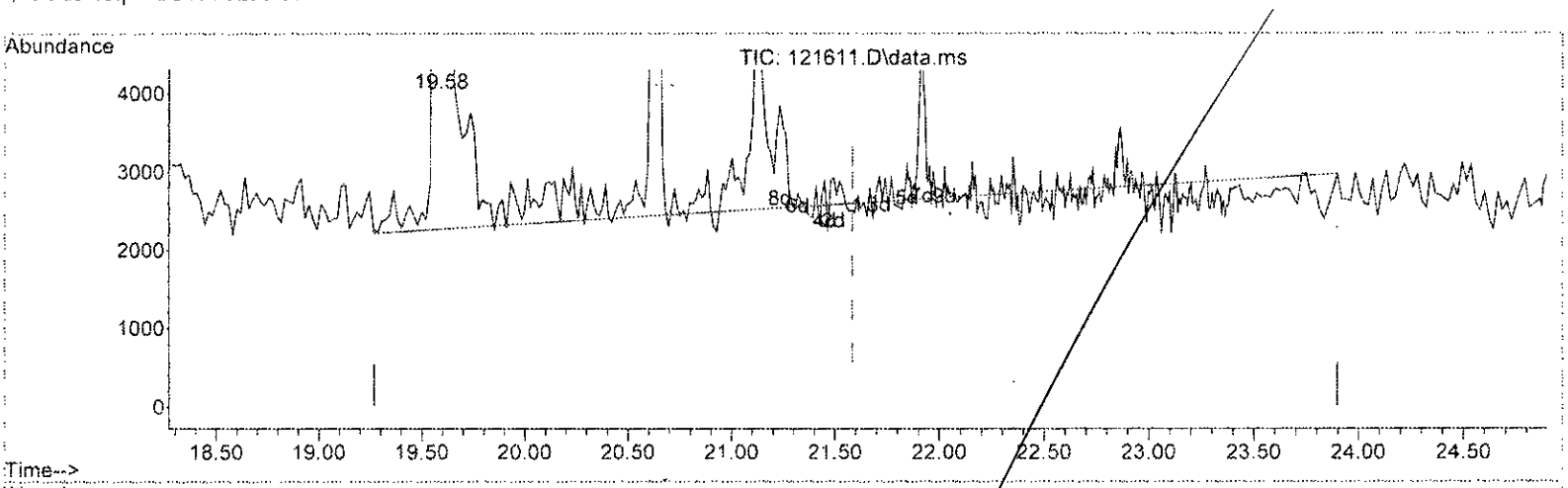
response 2116015

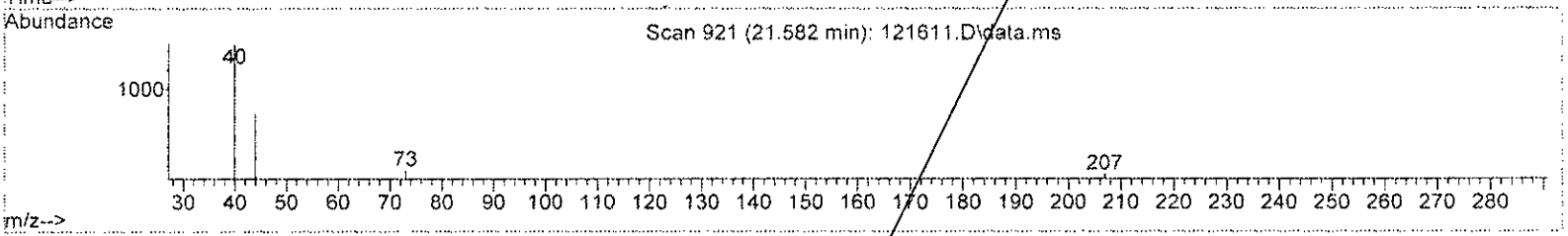
Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

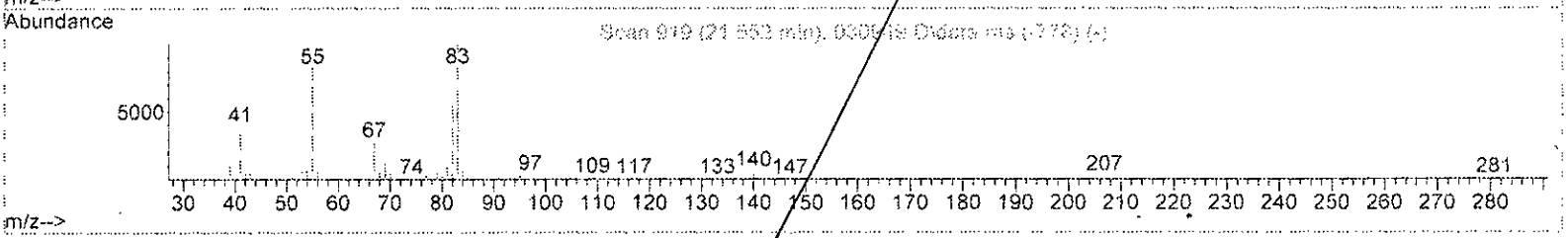
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121611.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) -8.539 ug/m3 m

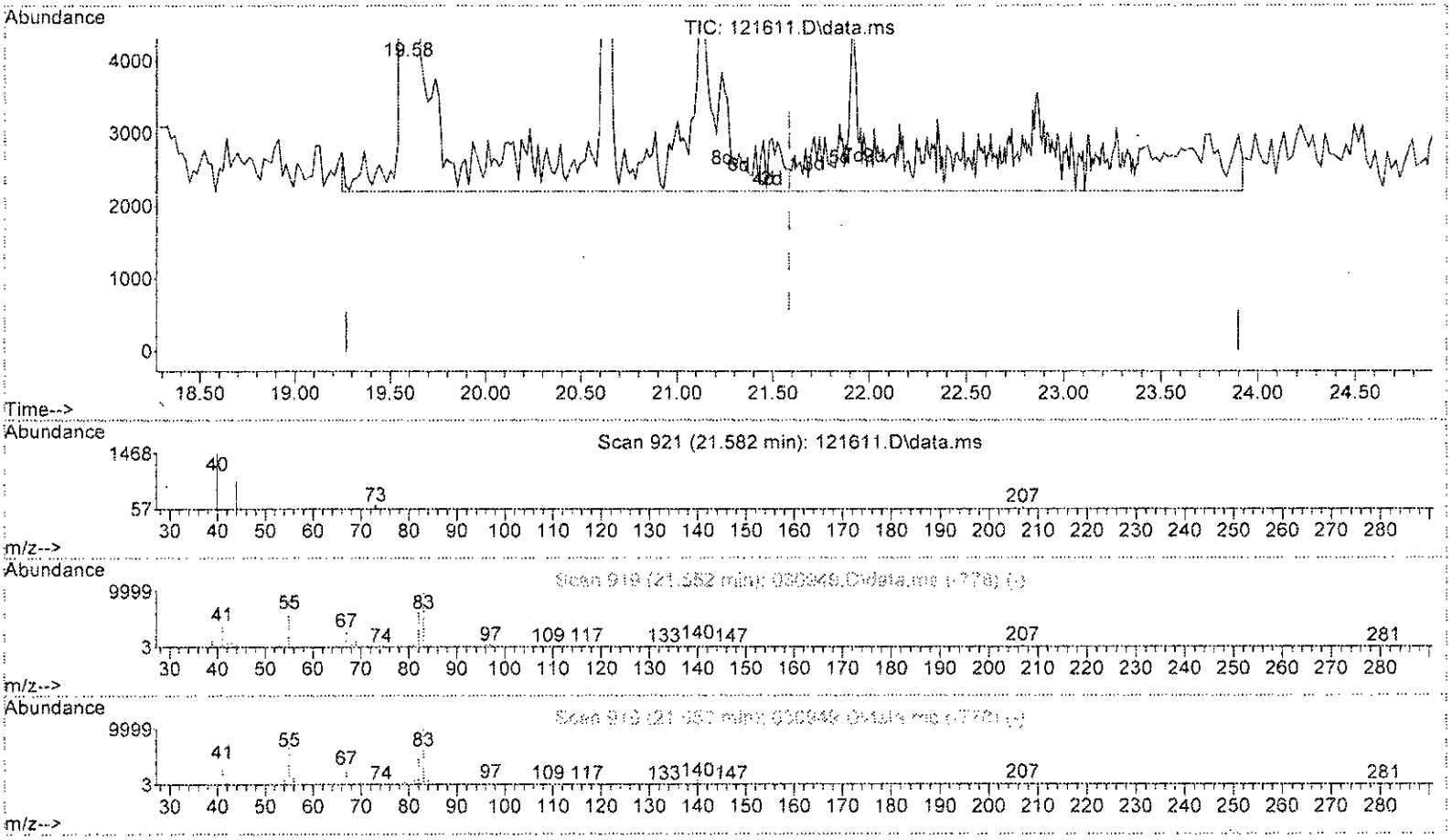
response -122105

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121611.D\data.ms

(36) APH EC9-12 aliphatics (H)

21.585min (0.000) 31.947 ug/m3 m

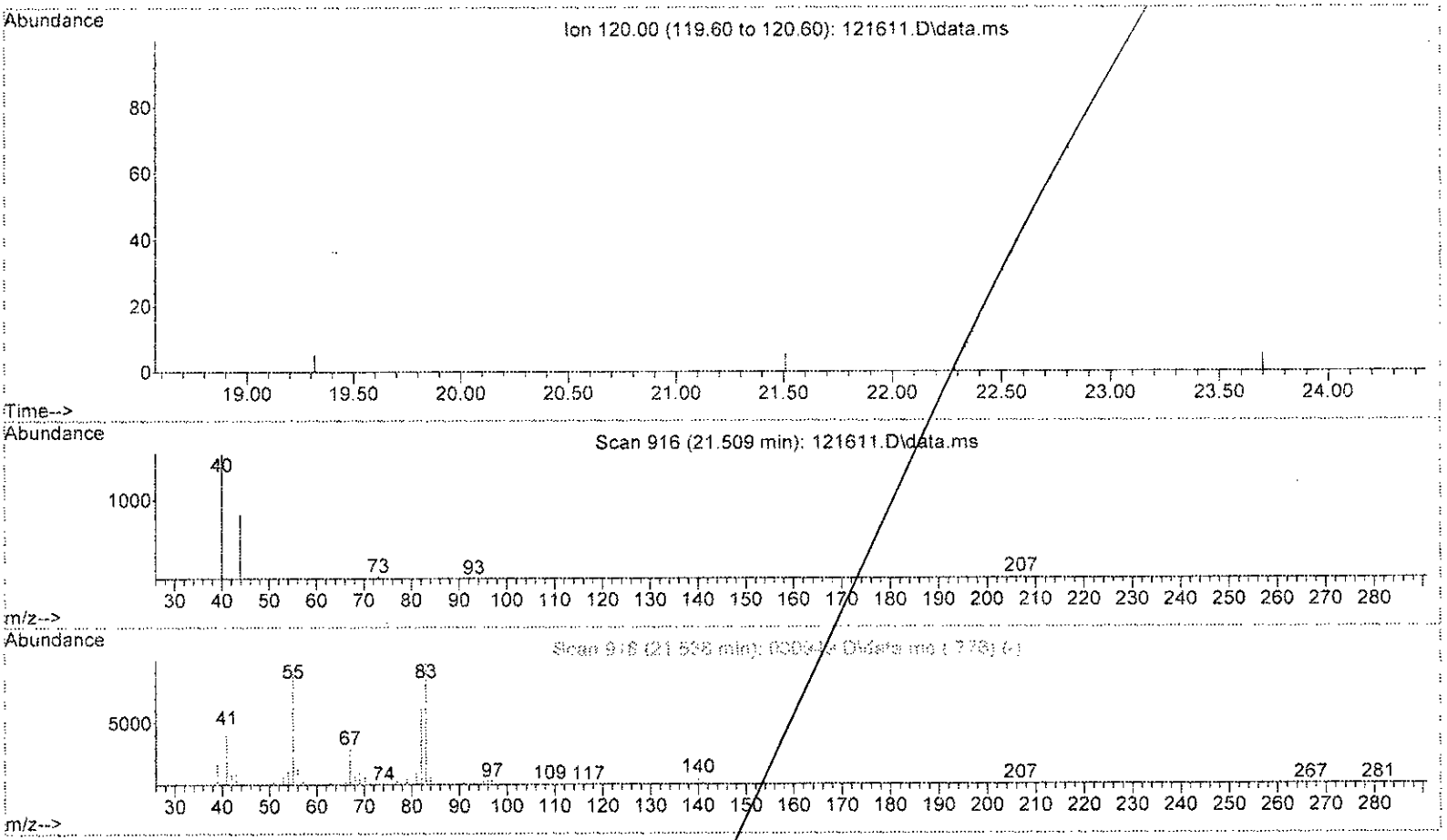
response 456813

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121611.D\data.ms

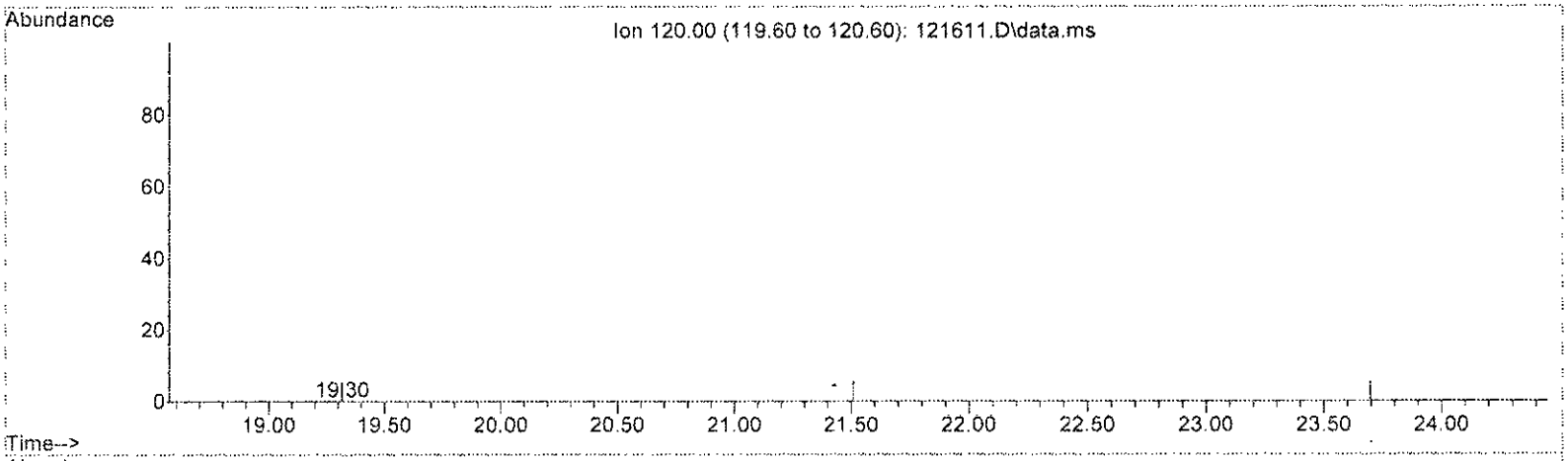
(44) APH EC9-10 aromatics (1) (H)
21.509min (0.000) -235.242 ug/m3 m
response -468191

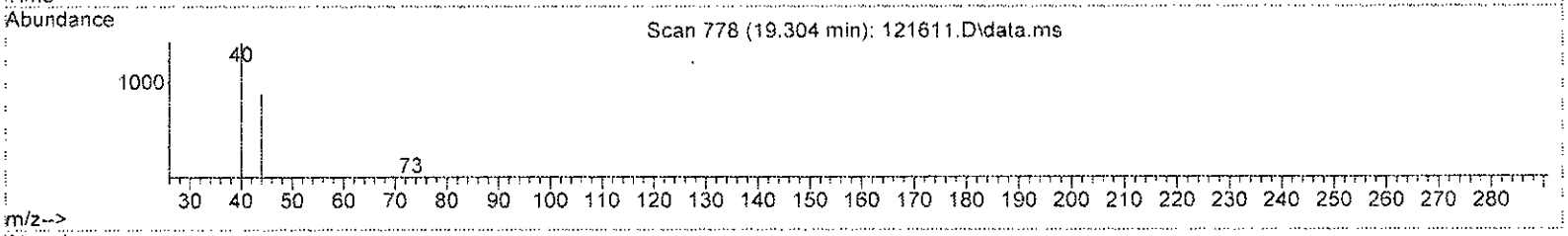
Ion	Exp%	Act%
120.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

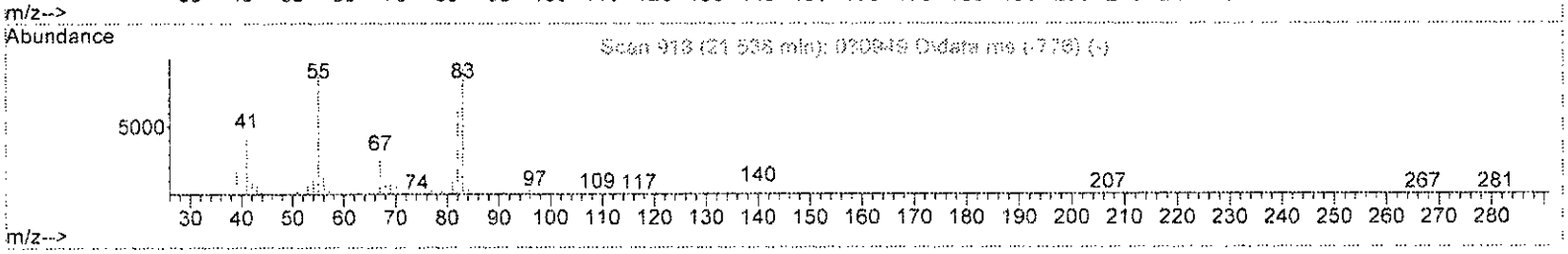
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121611.D\data.ms

(44) APH EC9-10 aromatics (1) (H)

21.509min (0.000) 0.000 ug/m3 m

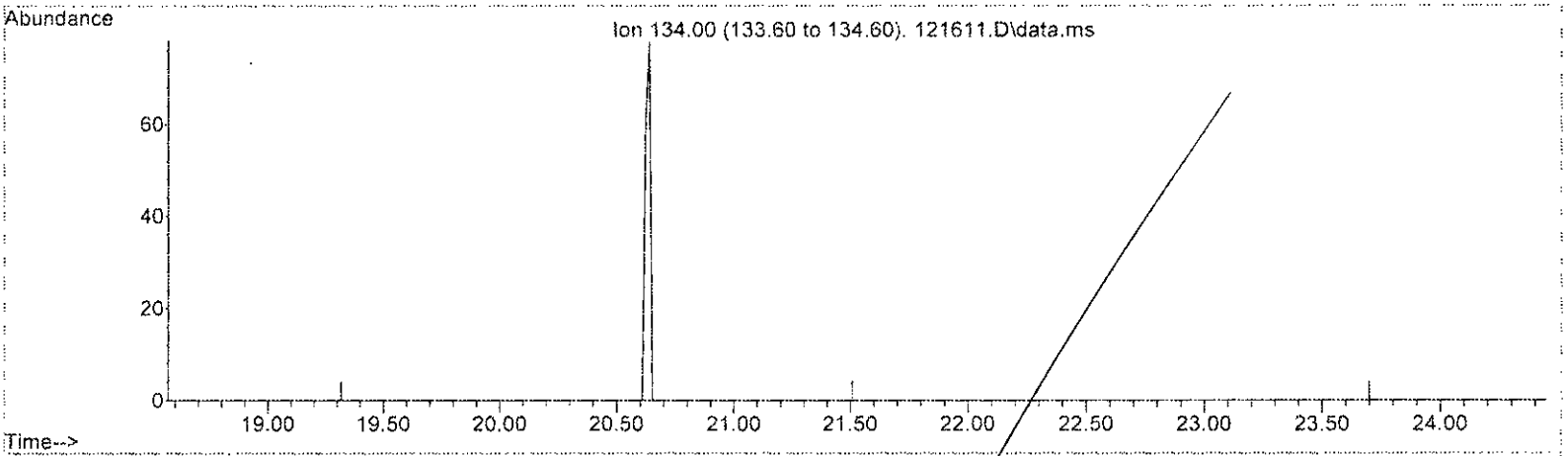
response 0

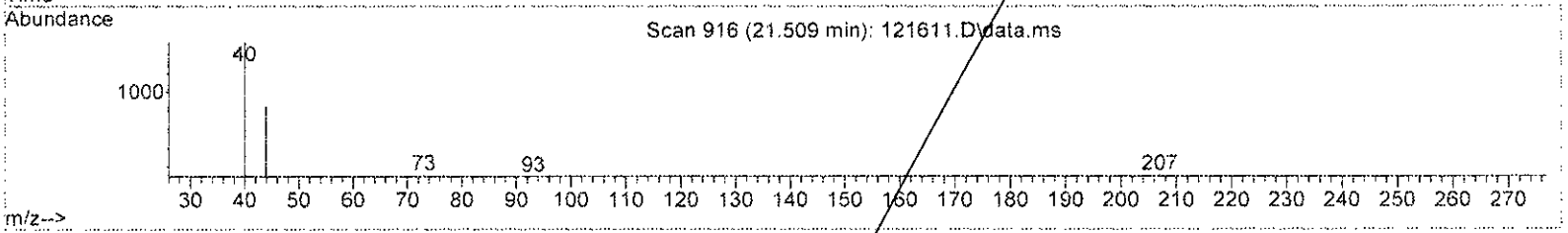
Ion	Exp%	Act%
120.00	100.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

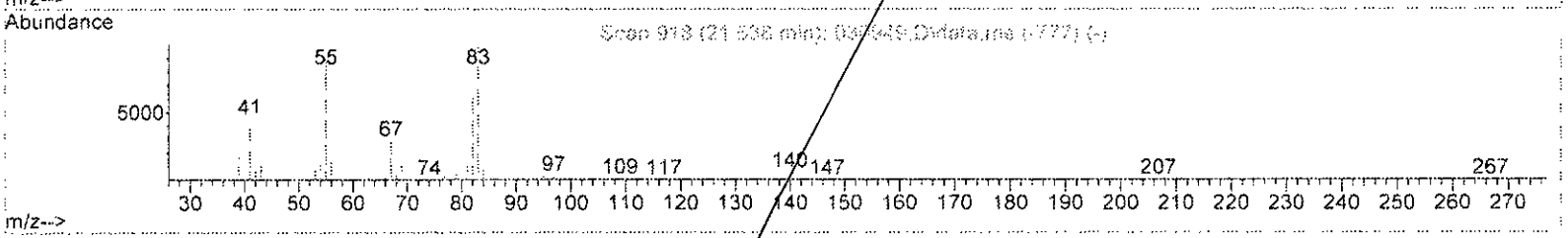
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121611.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) -404.931 ug/m3 m

response -468093

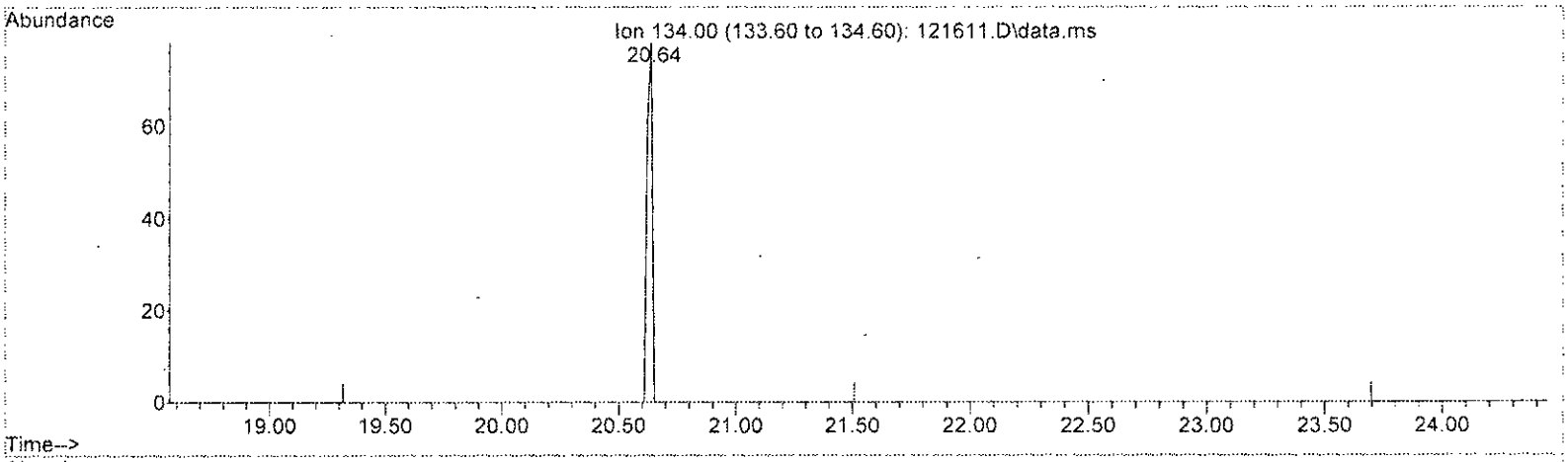
Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	-0.00
0.00	0.00	-0.00
0.00	0.00	-0.00

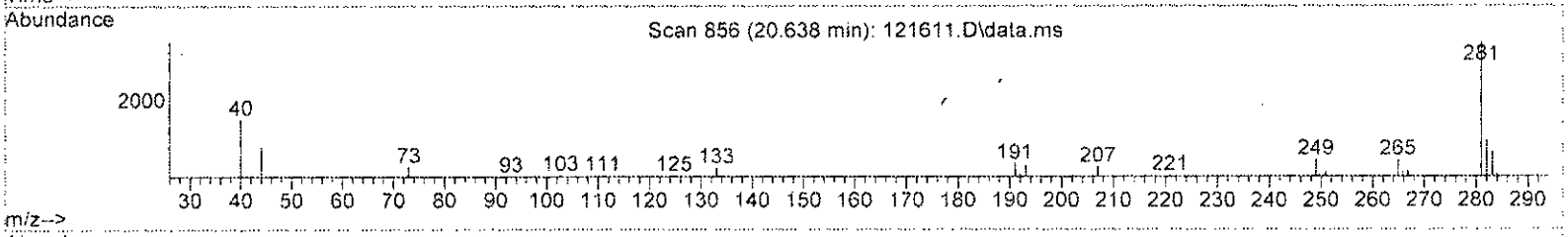
12/19/22

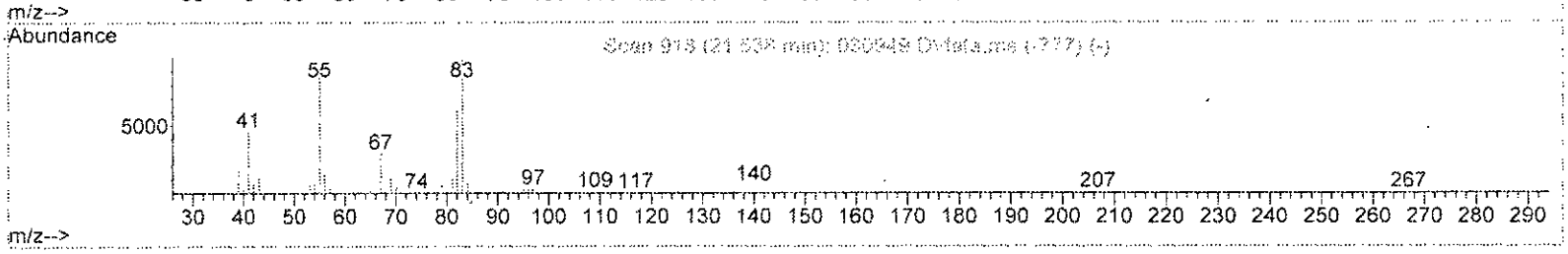
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121611.D\data.ms

(45) APH EC9-10 aromatics (2) (H)

21.509min (0.000) 0.085 ug/m3 m

response 98

Ion	Exp%	Act%
134.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

12/19/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	46293	50.000	ug/m3	#-0.02
10) 1,4-Difluorobenzene	13.14	114	184657	50.000	ug/m3	0.00
20) Chlorobenzene-d5	18.13	117	166712	50.000	ug/m3	0.00
System Monitoring Compounds						
37) 4-Bromofluorobenzene	19.58	95	95663	59.354	ug/m3	0.00
Spiked Amount 71.000	Range 70 - 130		Recovery =	83.59%		
Target Compounds						Qvalue
2) IS-1 Bromochloromethane	9.86	TIC	373369	50.825	ug/m3	91
3) IS-2 1,4-Difluorobenzene	13.14	TIC	481042	49.240	ug/m3	95
4) IS-3 Chlorobenzene-d5	18.13	TIC	553073	45.447	ug/m3	95
5) Methylene chloride	6.78	TIC	4558	27.650	ug/m3	84
6) Acetone	5.59	TIC	16154	11.621	ppbv	100
7) 2-Propanol	5.70	TIC	3819	0.589	ppbv	100
8) 1,3-Butadiene	0.00		0	N.D.		
9) Methyl t-butyl ether	0.00		0	N.D.		
11) Benzene	12.61	78	160	0.023	ug/m3	61
12) Isopentane	5.59	TIC	14559	1.185	ug/m3	85
13) Hexane	0.00		0	N.D.	d	
14) Cyclohexane	0.00		0	N.D.	d	
15) 2,3-Dimethylpentane	0.00		0	N.D.	d	
16) Heptane	0.00		0	N.D.	d	
17) Octane	0.00		0	N.D.	d	
18) APH EC5-8 aliphatics T...	12.39	TIC	14559m	1.106	ug/m3	
19) APH EC5-8 aliphatics	12.35	TIC	2116015m	160.806	ug/m3	
21) S 4-Bromofluorobenzene	19.58	TIC	470246	42.345	ug/m3	95
22) Hexamethylcyclotrisilo...	17.72	TIC	129007	41.043	ppbv	100
23) Octamethylcyclotetrasi...	20.64	TIC	23062	32.655	ppbv	100
24) Toluene	0.00		0	N.D.		
25) Ethylbenzene	18.52	91	80	0.012	ug/m3#	44
26) m,p-Xylene	0.00		0	N.D.		
27) o-Xylene	0.00		0	N.D.		
28) Naphthalene	0.00		0	N.D.		
29) 2,3-Dimethylheptane	0.00		0	N.D.	d	
30) Nonane	0.00		0	N.D.	d	
31) Decane	0.00		0	N.D.	d	
32) Butylcyclohexane	0.00		0	N.D.	d	
33) Undecane	0.00		0	N.D.	d	
34) Dodecane	0.00		0	N.D.	d	
35) APH EC9-12 aliphatics ...	21.61		0	N.D.		
36) APH EC9-12 aliphatics	21.59	TIC	456813m	31.947	ug/m3	
38) Isopropylbenzene	0.00		0	N.D.		
39) 1-Methyl-3-ethylbenzene	0.00		0	N.D.		
40) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
41) p-Isopropyltoluene	0.00		0	N.D.		
42) 1,2,3-Trimethylbenzene	0.00		0	N.D.		

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

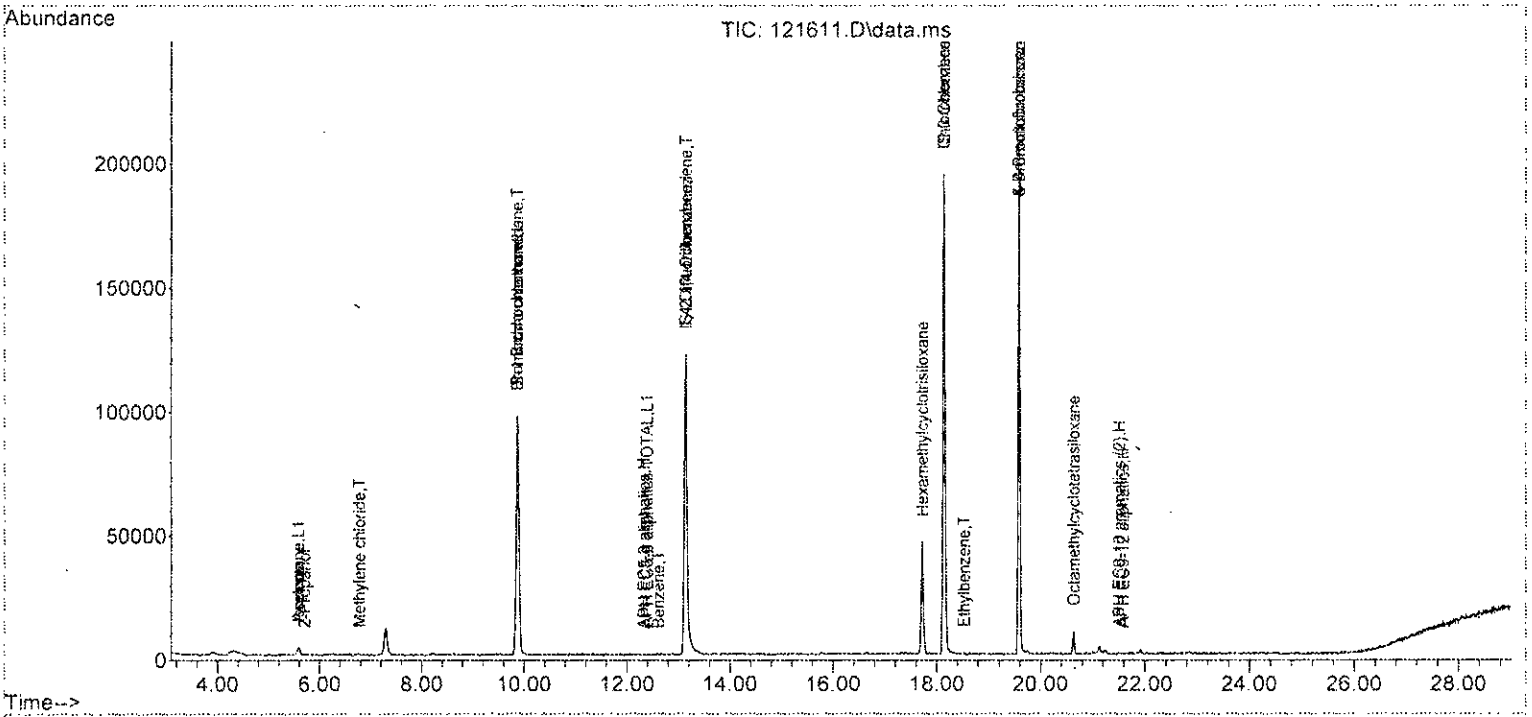
Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

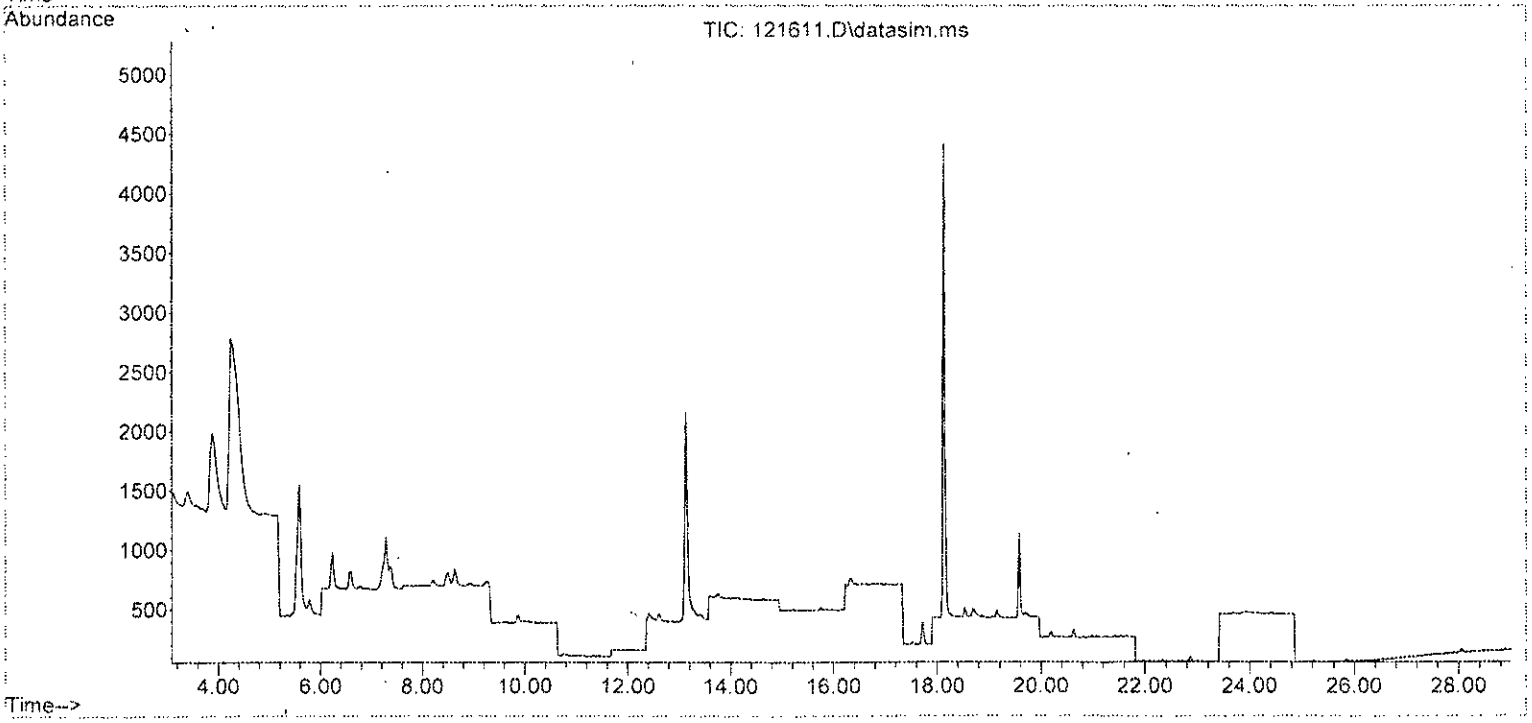
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) APH EC9-10 aromatics T...	21.49		0	N.D.	
44) APH EC9-10 aromatics (1)	21.51		0	N.D.	
45) APH EC9-10 aromatics (2)	21.51	134	98m	0.085 ug/m3	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 19 18:10:29 2022
Quant Method : D:\GCMS7 Methods\1205APH7.M
Quant Title : APH TO-15 method
QLast Update : Tue Dec 06 14:39:29 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

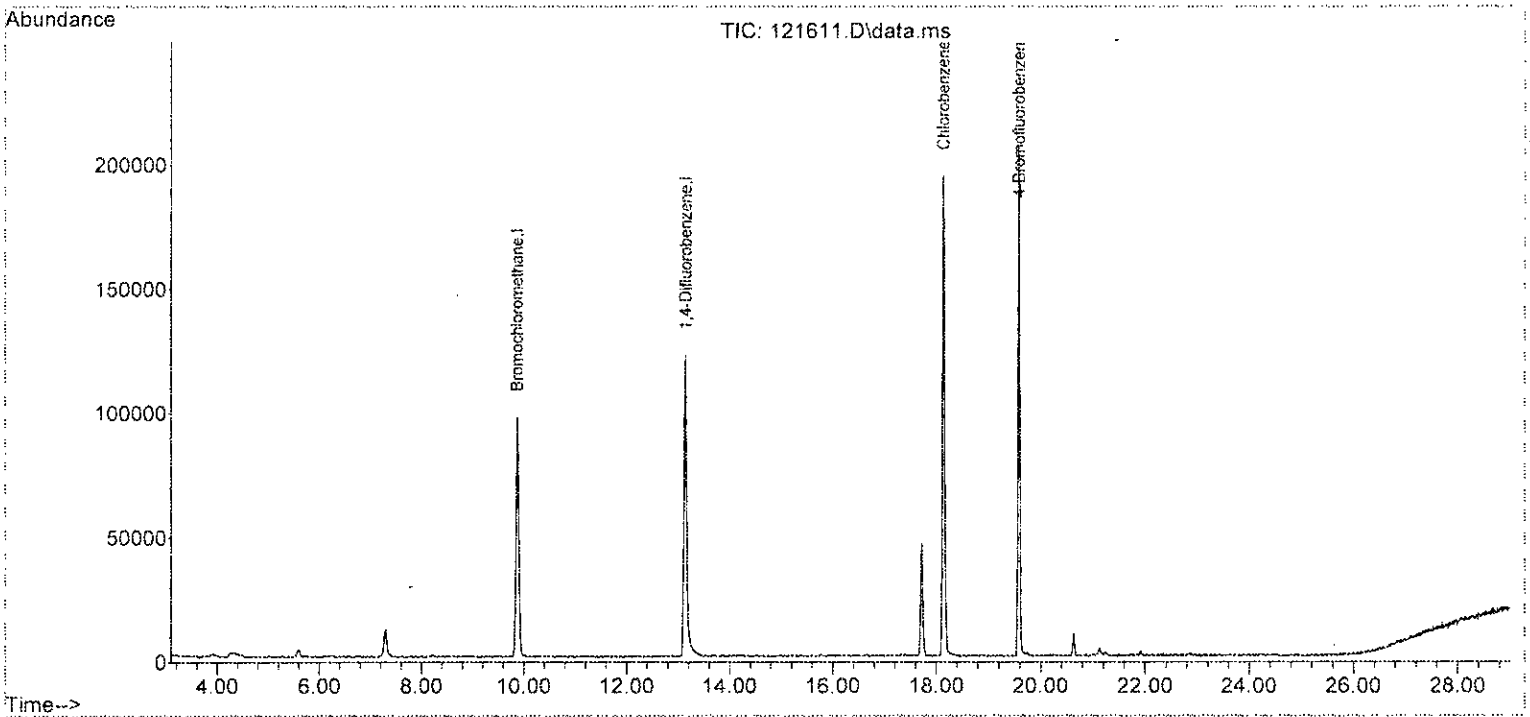
Quant Time: Dec 18 15:28:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

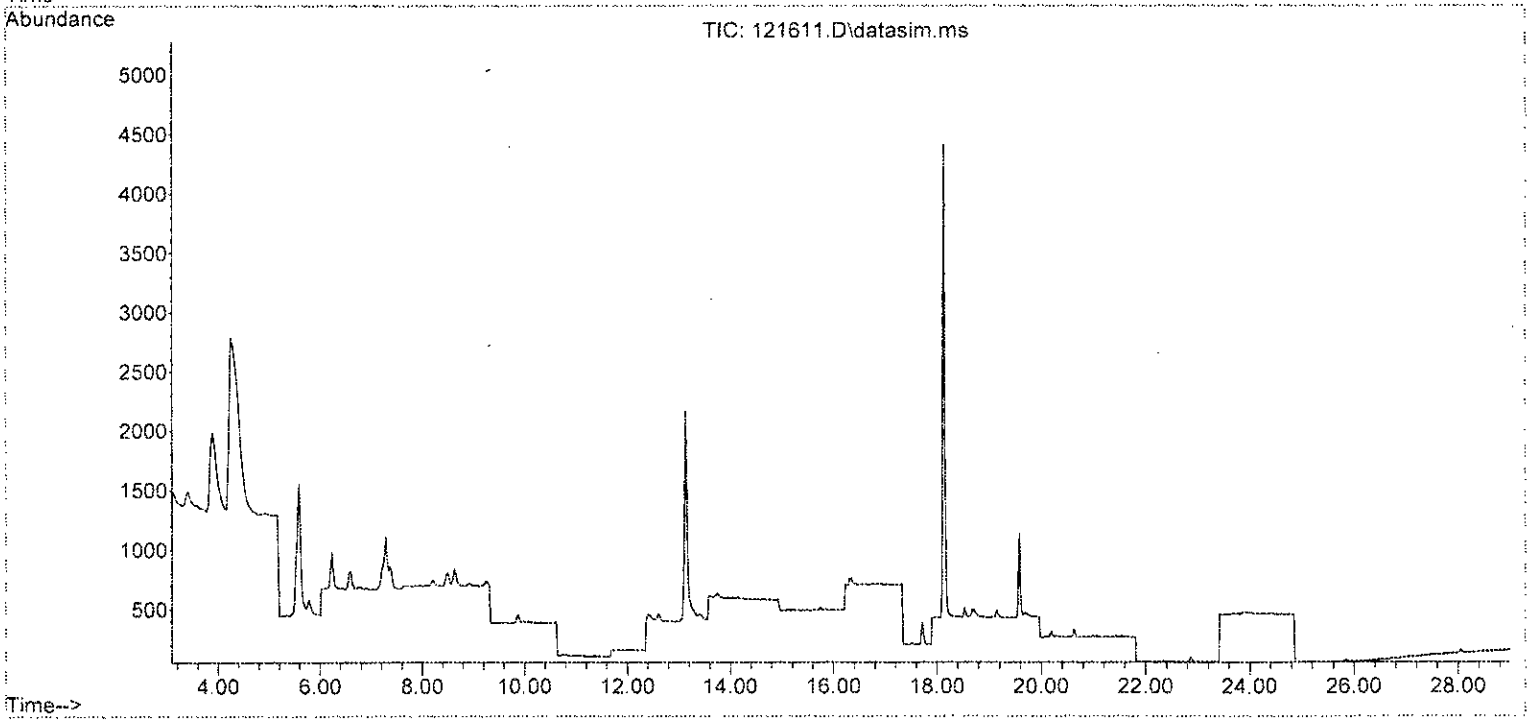
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	46293	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	184657	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	166712	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	95663	8.280	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.80%			
Target Compounds						Qvalue
37] Benzene	12.61	78	376	Below Cal		98
58] Ethylbenzene	18.53	91	148	Below Cal		97
77] Naphthalene	23.90	128	166m	Below Cal		

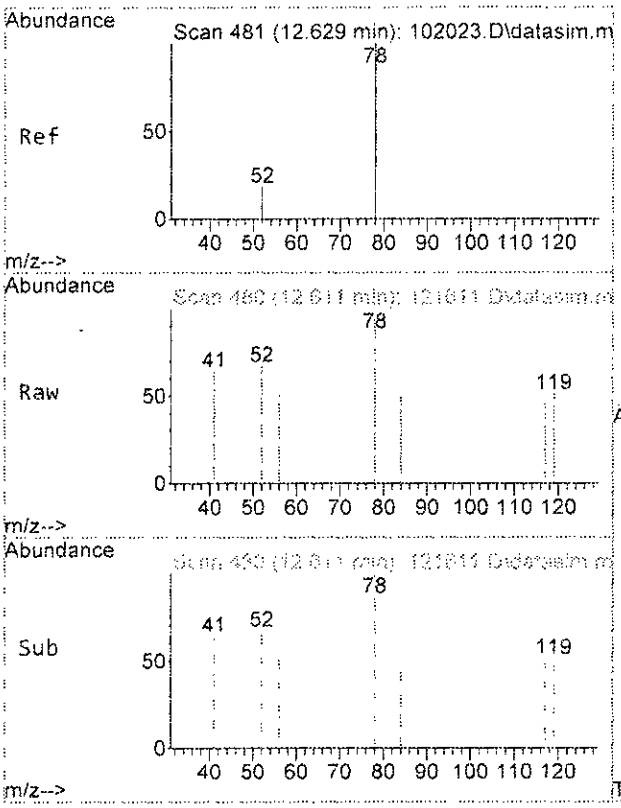
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



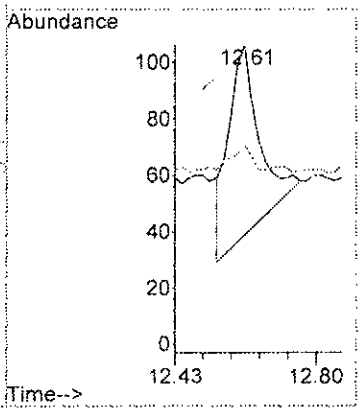


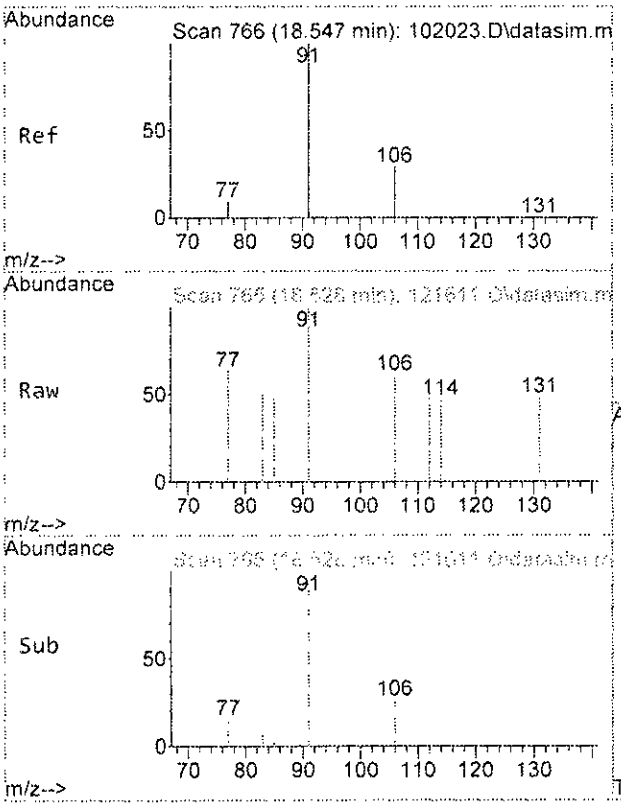


#37
Benzene
Concen: Below Cal
RT: 12.61 min Scan# 480
Delta R.T. 0.000 min
Lab File: 121611.D
Acq: 16 Dec 2022 9:15 pm

Tgt Ion: 78 Resp: 376

Ion	Ratio	Lower	Upper
78	100		
52	18.8	0.0	49.7

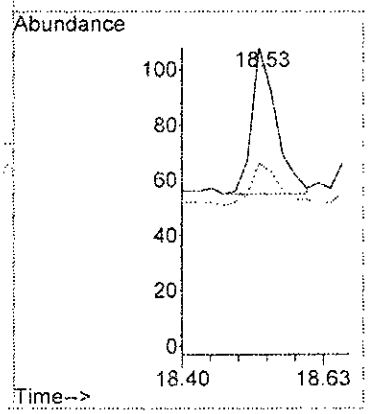


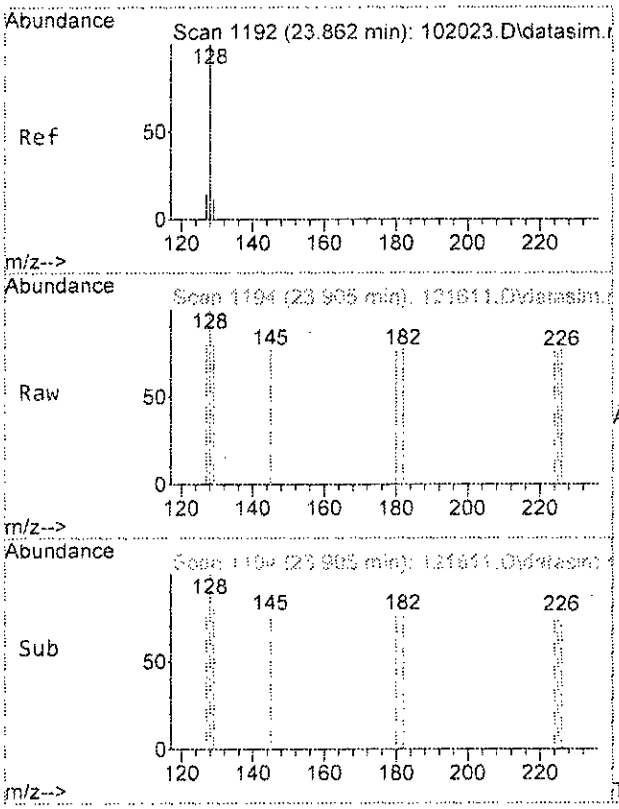


#58
Ethylbenzene
Concen: Below Cal
RT: 18.53 min Scan# 765
Delta R.T. 0.000 min
Lab File: 121611.D
Acq: 16 Dec 2022 9:15 pm

Tgt Ion: 91 Resp: 148

Ion	Ratio	Lower	Upper
91	100		
106	28.3	0.0	57.0

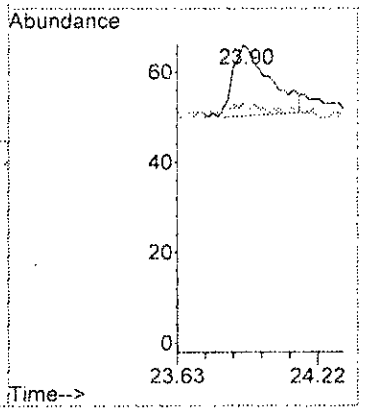




#77
Naphthalene
Concen: Below Cal m
RT: 23.90 min Scan# 1194
Delta R.T. 0.064 min
Lab File: 121611.D
Acq: 16 Dec 2022 9:15 pm

Tgt Ion:128 Resp: 166

Ion	Ratio	Lower	Upper
128	100		
129	80.3	0.0	41.0#
127	78.8	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	46293	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	184657	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	166712	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	95663	8.280	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.80%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.		
4) Chloromethane	0.00		0	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	4.32	43	9509	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.		
13) Acrolein	0.00		0	N.D.		
14) Pentane	6.23	43	1092	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.		
16) Acetone	5.55	58	676	N.D.		
17) 2-Propanol	5.78	45	201	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.78	84	473	N.D.		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.23	76	828	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	8.62	43	339	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.		
31) Ethyl acetate	0.00		0	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37] Benzene	12.61	78	376	Below Cal		98
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

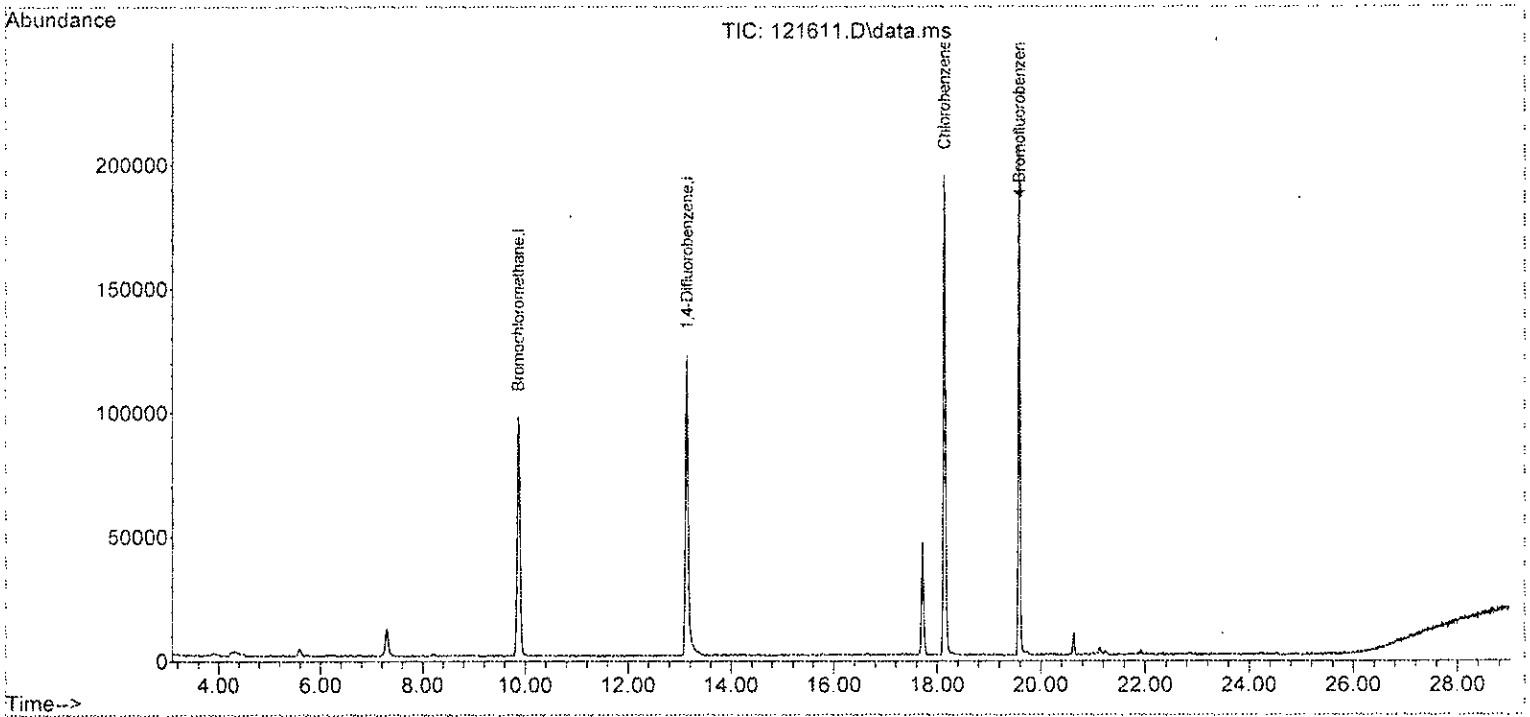
Quant Time: Dec 18 15:28:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

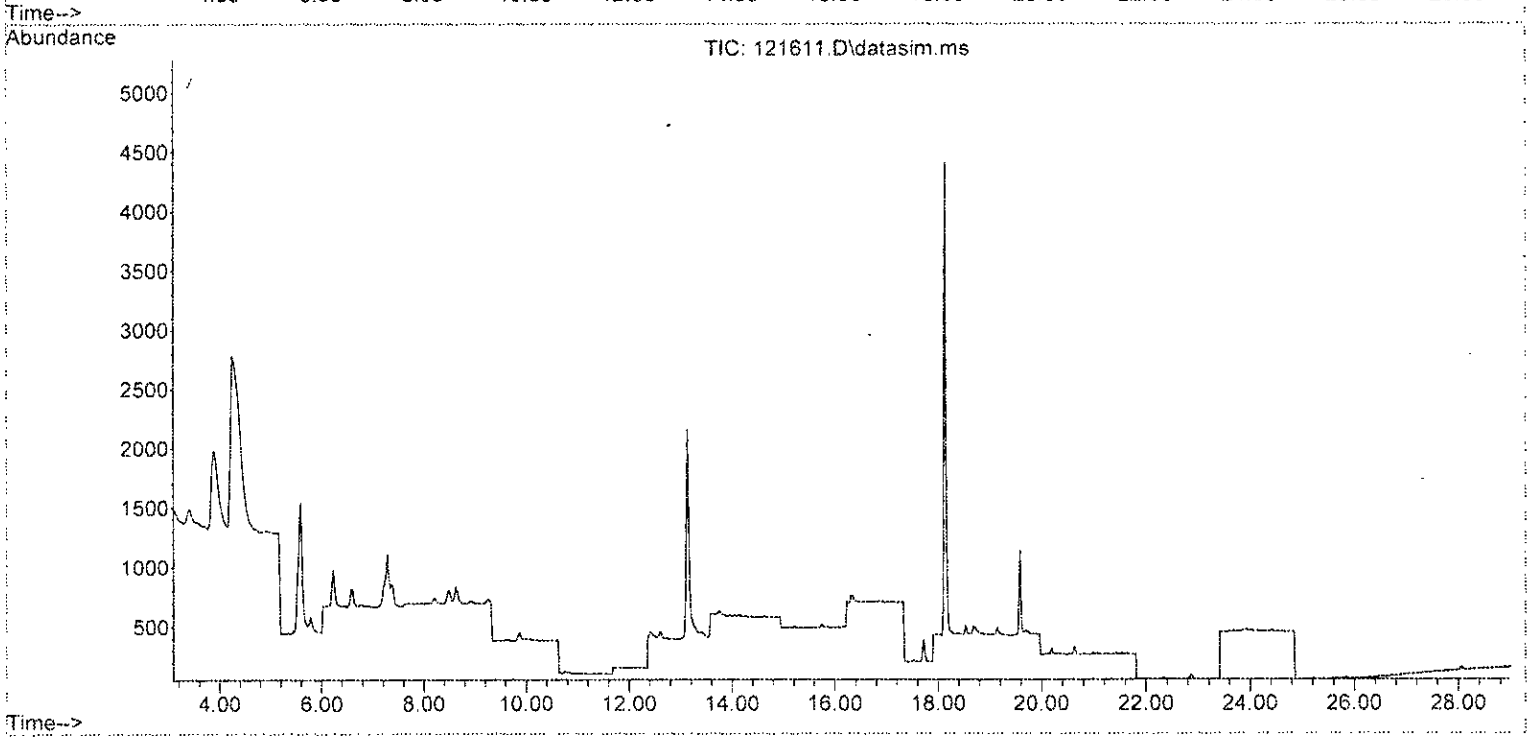
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	
42) 2,2,4-Trimethylpentane	14.21	57	235	N.D.	
43) Methyl methacrylate	0.00		0	N.D.	
44) Heptane	0.00		0	N.D.	
45) Bromodichloromethane	0.00		0	N.D.	
46) Trichloroethene	0.00		0	N.D.	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	
48) 4-Methyl-2-pentanone	0.00		0	N.D.	
49) trans-1,3-Dichloropropene	0.00		0	N.D.	
50) Toluene	16.31	92	1190	N.D.	
51) 1,1,2-Trichloroethane	0.00		0	N.D.	
52) 2-Hexanone	0.00		0	N.D.	
53) Tetrachloroethene	17.35	164	273	N.D.	
54) Dibromochloromethane	0.00		0	N.D.	
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
57) Chlorobenzene	0.00		0	N.D.	
58] Ethylbenzene	18.53	91	148	Below Cal	97
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
60) Nonane	0.00		0	N.D.	
61) Isopropylbenzene	19.70	105	180	N.D.	
62) 2-Chlorotoluene	0.00		0	N.D.	
63) Propylbenzene	0.00		0	N.D.	
64) 4-Ethyltoluene	20.39	105	121	N.D.	
65) m,p-Xylene	0.00		0	N.D.	
66) o-Xylene	0.00		0	N.D.	
67) Styrene	0.00		0	N.D.	
68) Bromoform	0.00		0	N.D.	
70) Benzyl chloride	0.00		0	N.D.	
71) 1,3,5-Trimethylbenzene	20.39	105	121	N.D.	
72) 1,2,4-Trimethylbenzene	20.39	105	121	N.D.	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
77] Naphthalene	23.90	128	166m	Below Cal	
78) Hexachlorobutadiene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121611.D
Acq On : 16 Dec 2022 9:15 pm
Operator : bat
Sample : 02-2970 MB
Misc : T1
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:22 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

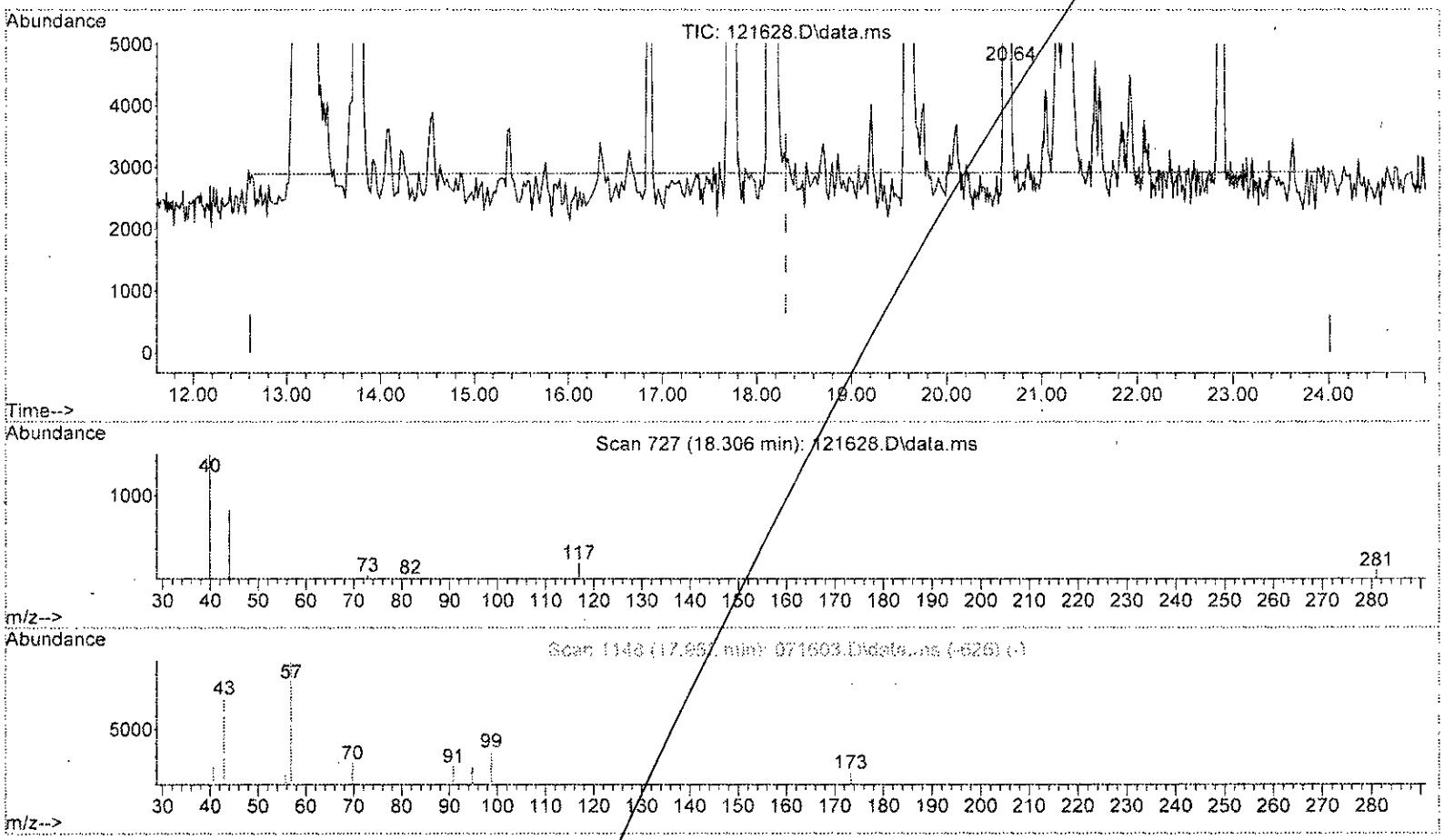




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:31:03 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 48.332 ppbv m

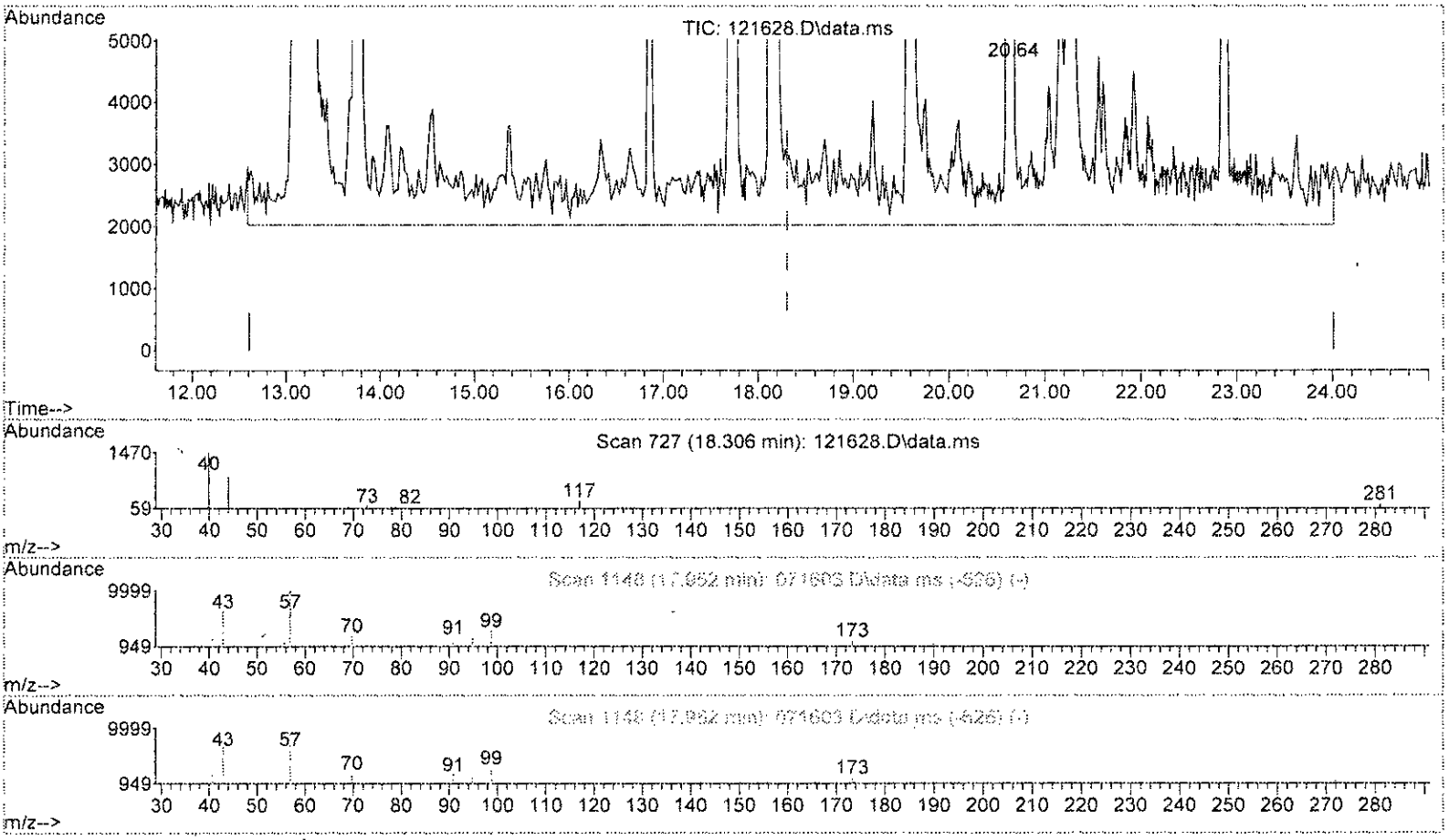
response 1321590

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:31:03 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 129.600 ppbv m

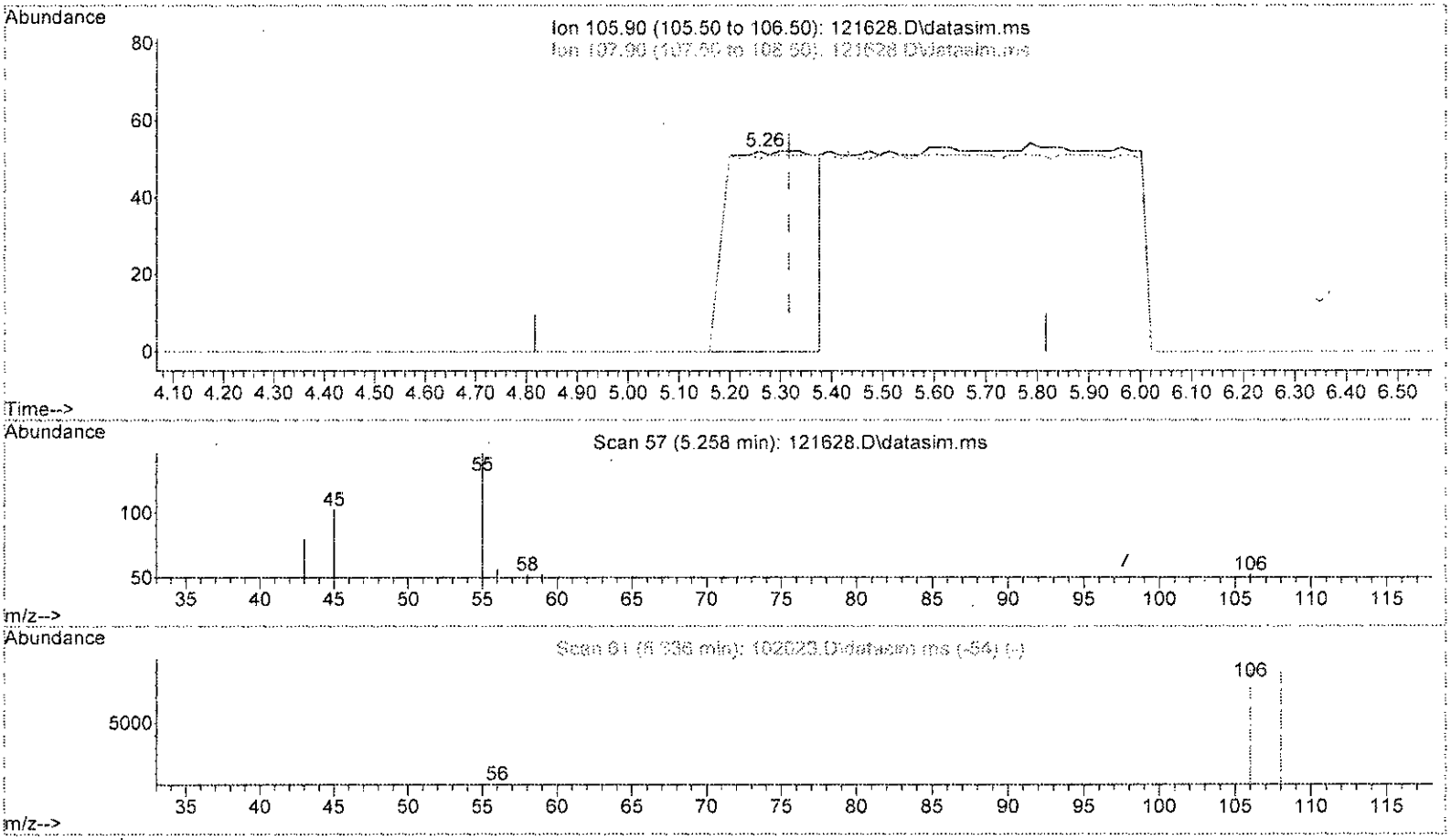
response 3543795

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.059) 0.087 ppbv

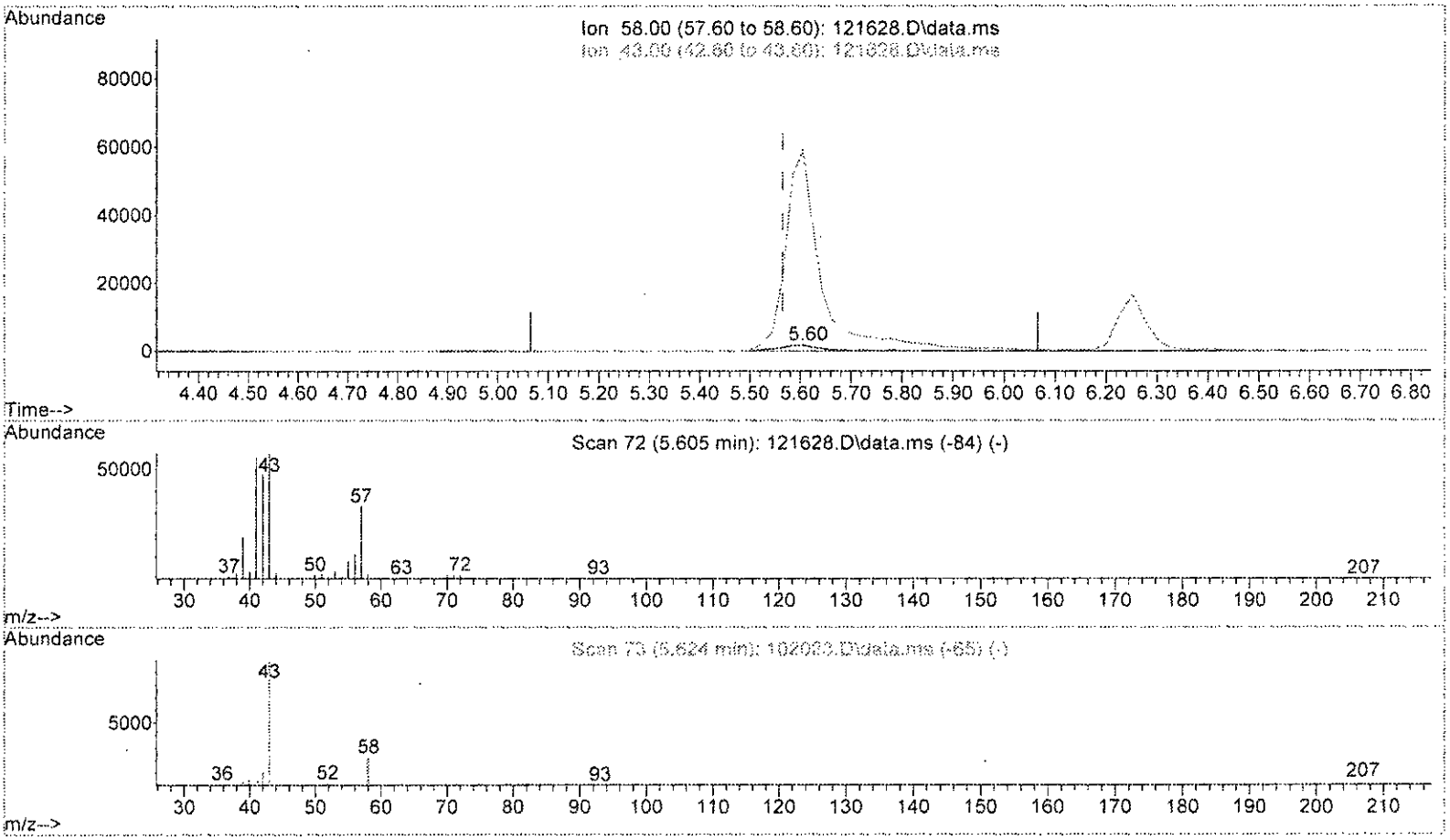
response 716

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	29.05#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(16) Acetone (TMP)

5.605min (+ 0.039) 2.974 ppbv

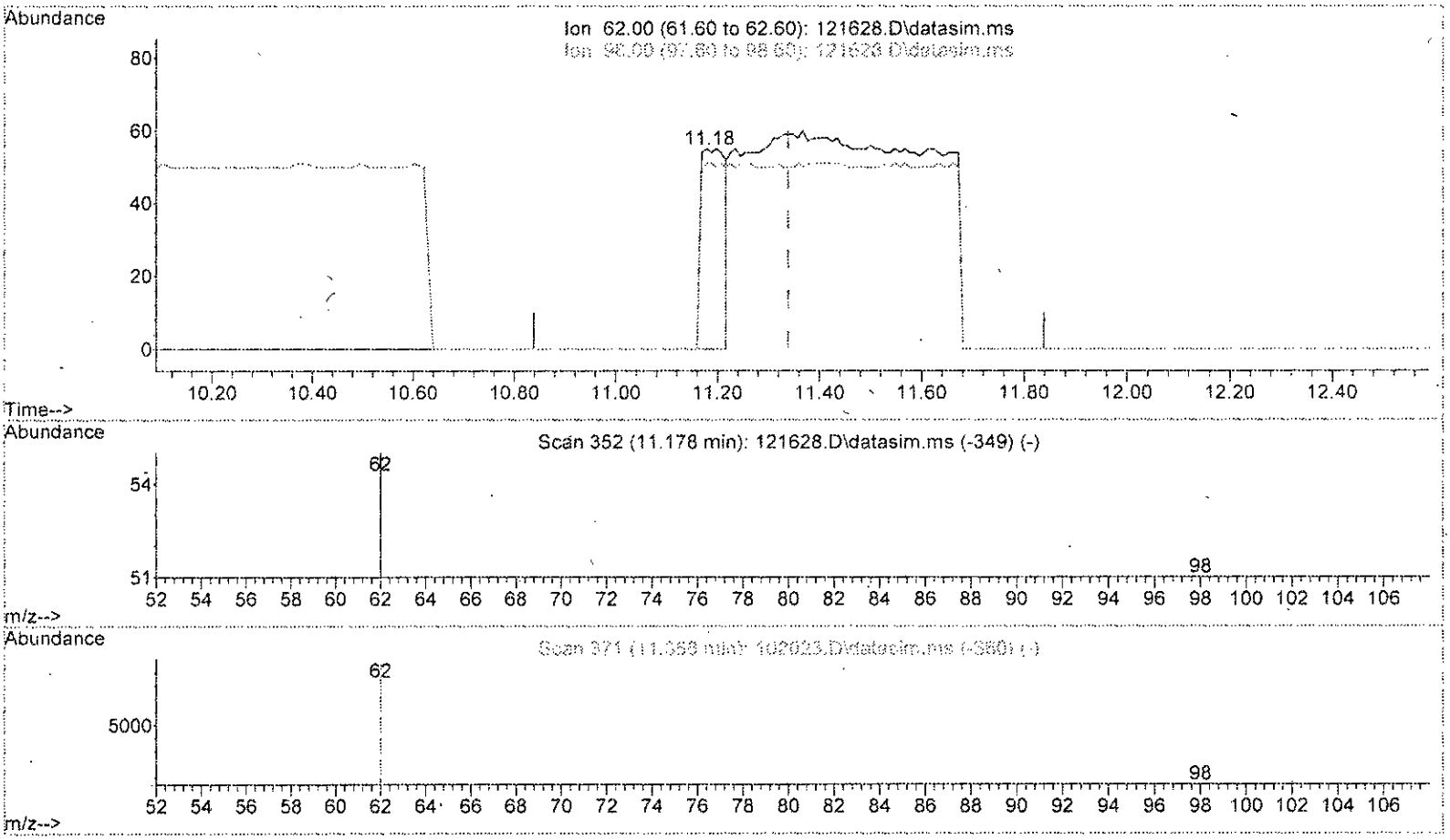
response 10821

Ion	Exp%	Act%
58.00	100.00	100.00
43.00	359.30	3266.44#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

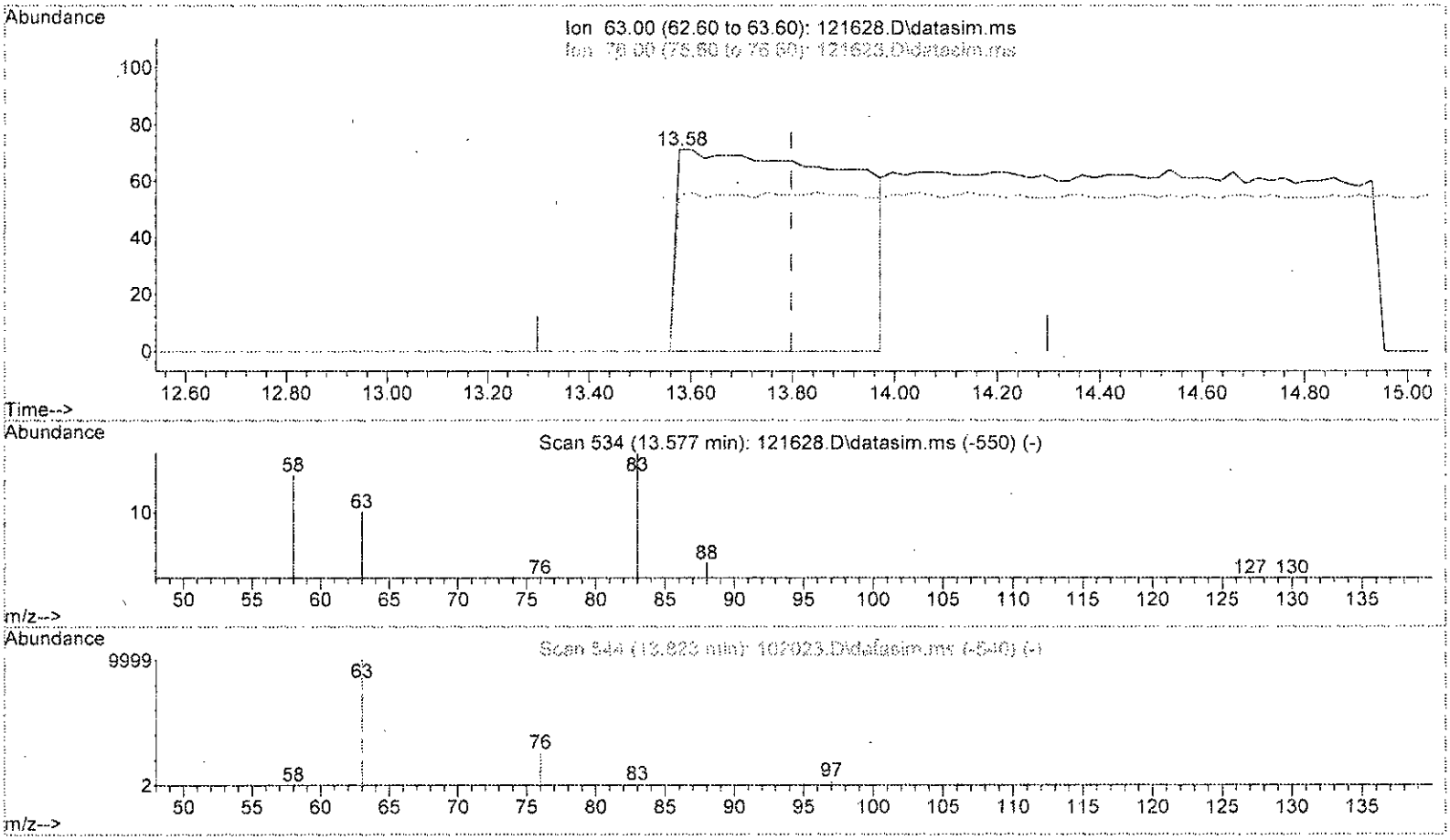
(34) 1,2-Dichloroethane (EDC) (TMP)
11.178min (-0.161) 0.010 ppbv
response 184

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	92.73#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.577min (-0.221) 0.154 ppbv

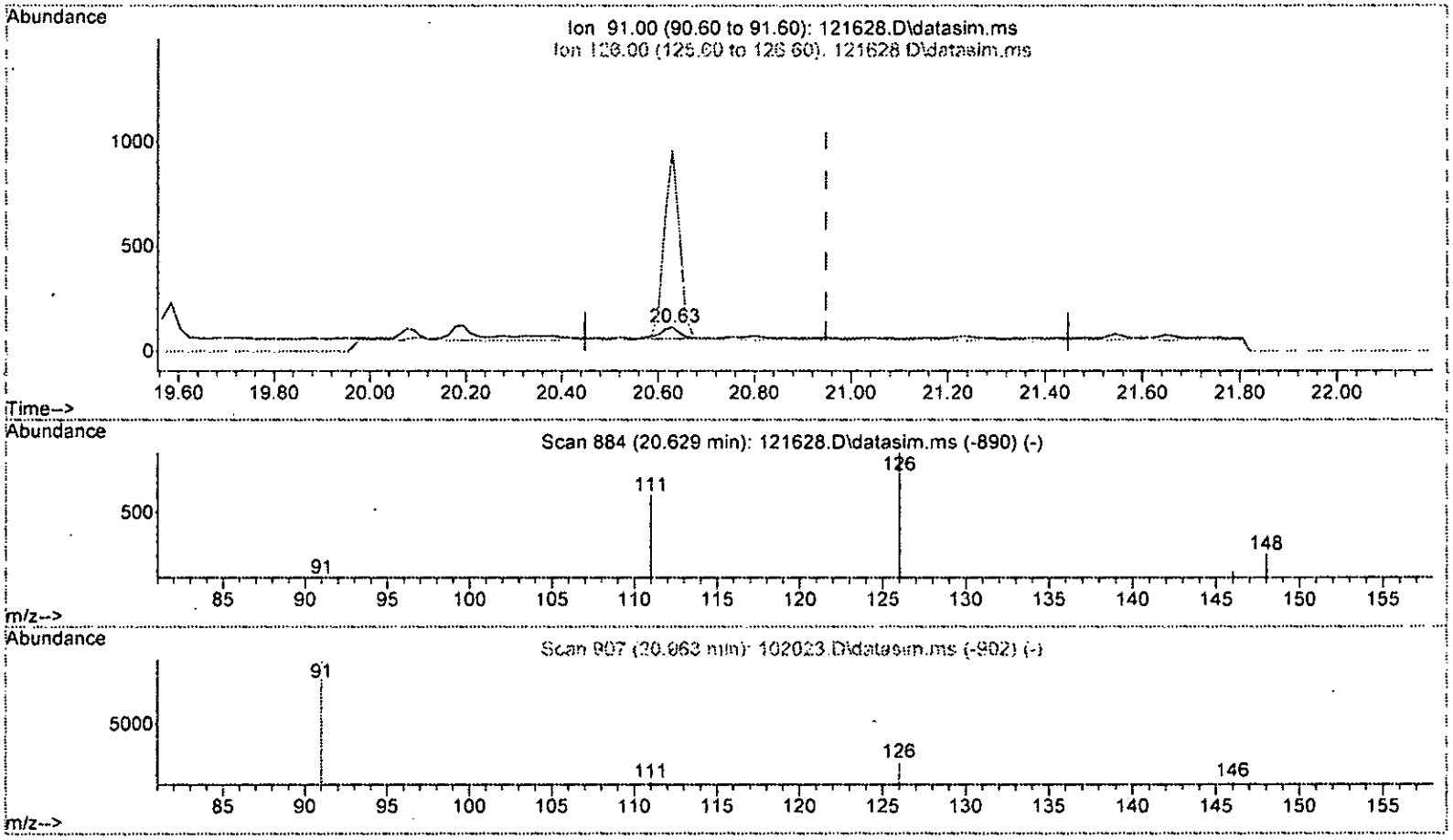
response 1621

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	77.46#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121628.D\data.ms

(70) Benzyl chloride (TMP)

20.629min (-0.319) 0.008 ppbv

response 168

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	1596.49#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

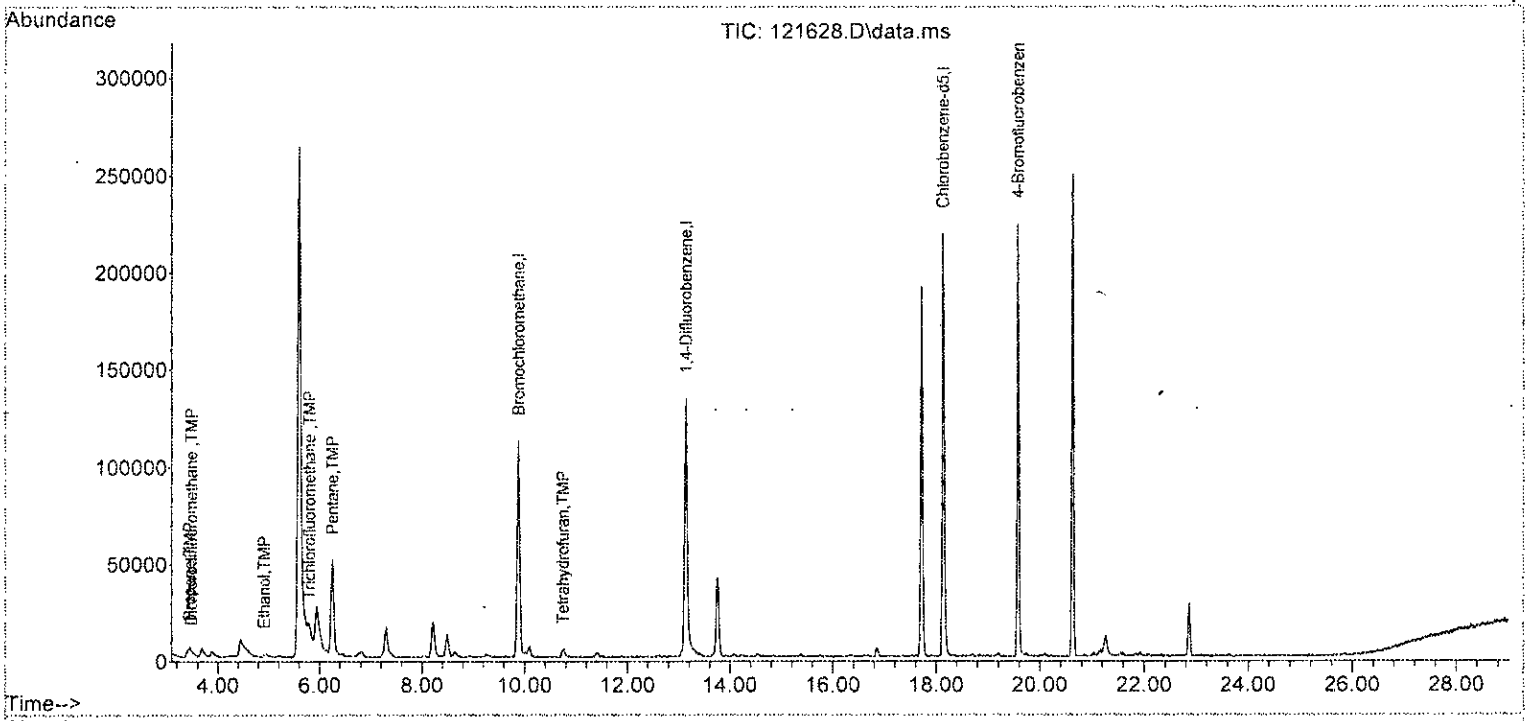
Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

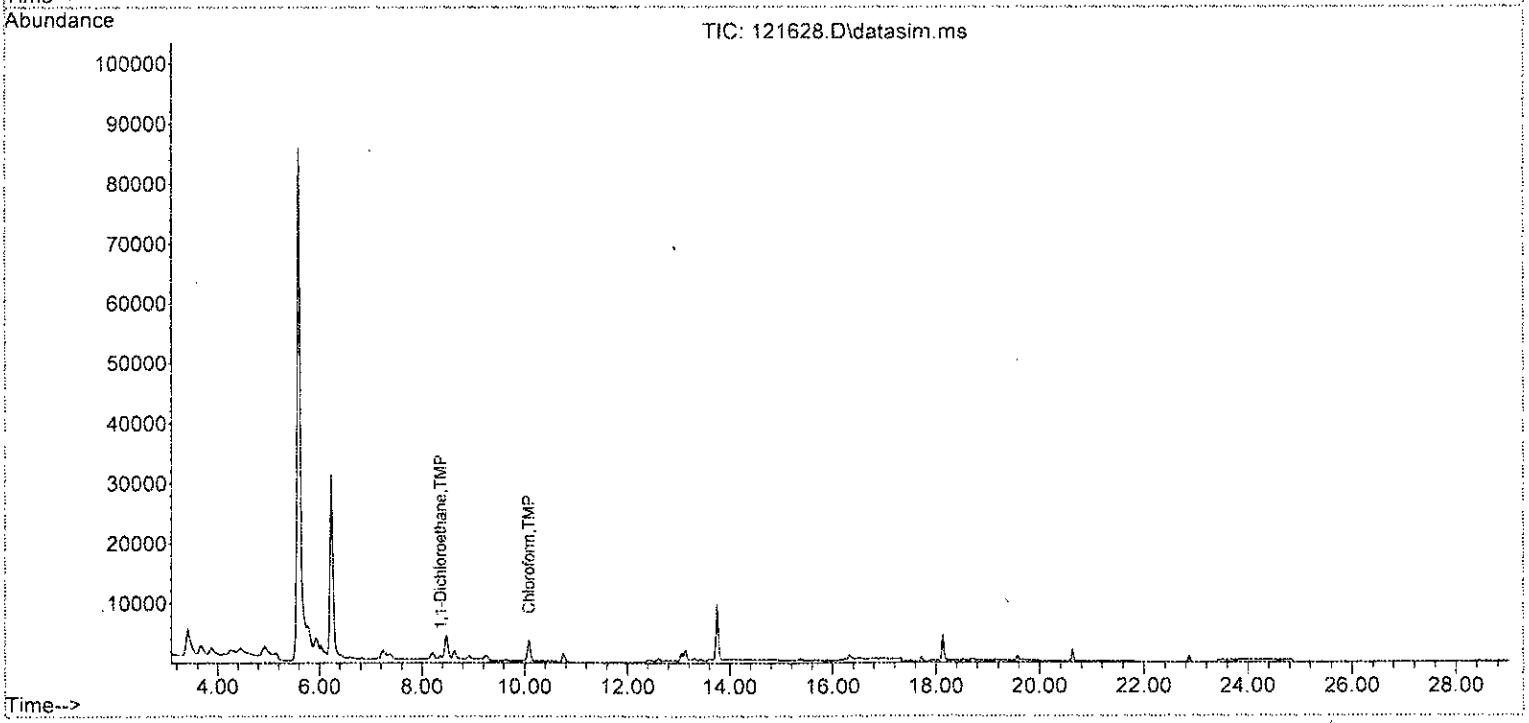
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51221	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	194179	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	182206	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	102431	8.112	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 81.10%			
Target Compounds						Qvalue
2) Propene	3.45	41	5043	0.672	ppbv	85
3) Dichlorodifluoromethane	3.49	85	2825	0.134	ppbv	85
12) Ethanol	4.92	45	6841	2.014	ppbv	94
14) Pentane	6.25	43	66449	5.272	ppbv	97
15) Trichlorofluoromethane	5.80	101	7169	0.293	ppbv	87
27] 1,1-Dichloroethane	8.36	63	1337	0.078	ppbv	98
30] Chloroform	10.08	83	8126	0.403	ppbv	97
32) Tetrahydrofuran	10.75	42	5082	0.548	ppbv	91
37] Benzene	12.61	78	1607	Below Cal		95

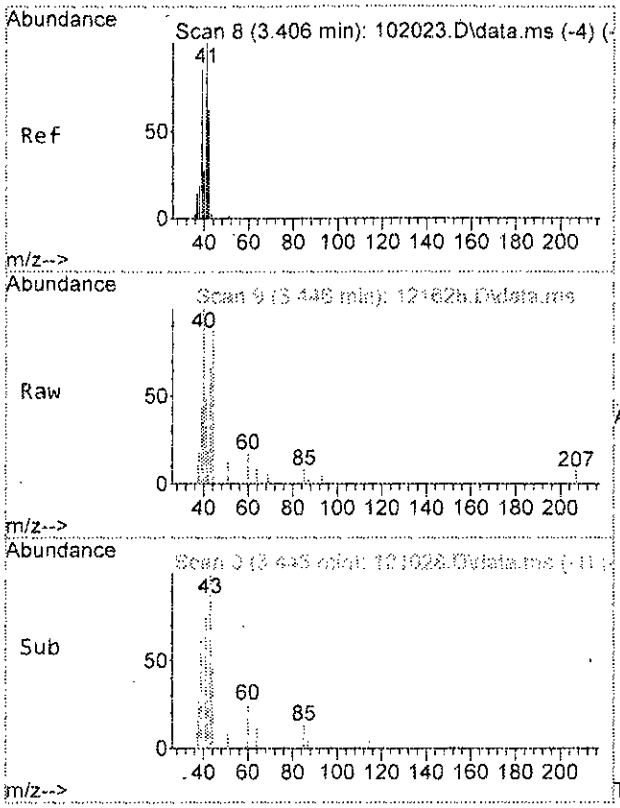
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



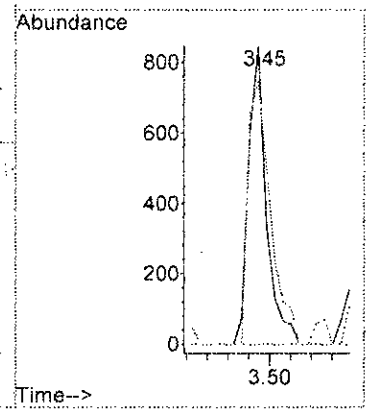


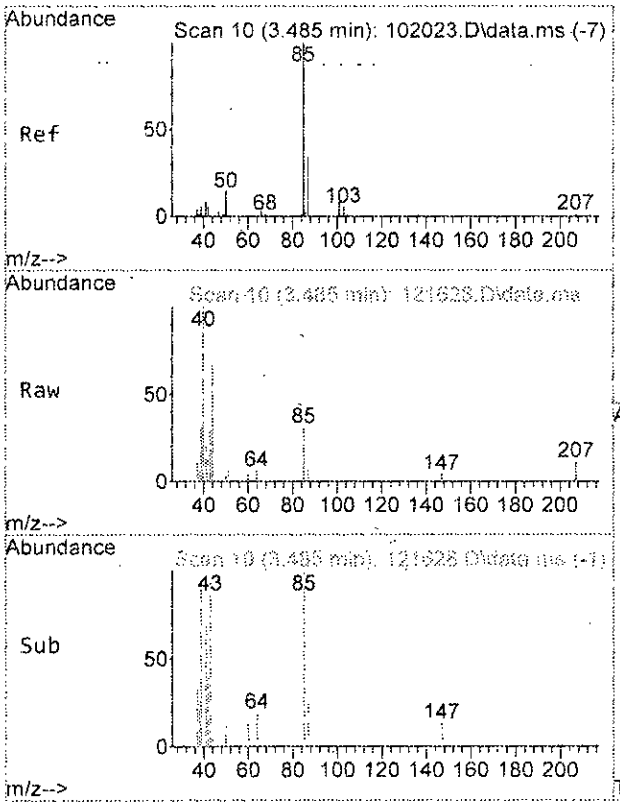


#2
Propene
Concen: 0.672 ppbv
RT: 3.45 min Scan# 9
Delta R.T. 0.039 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 41 Resp: 5043

Ion	Ratio	Lower	Upper
41	100		
39	88.5	45.6	105.6
27	0.0	0.0	30.0

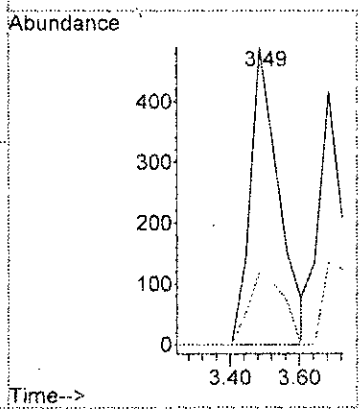


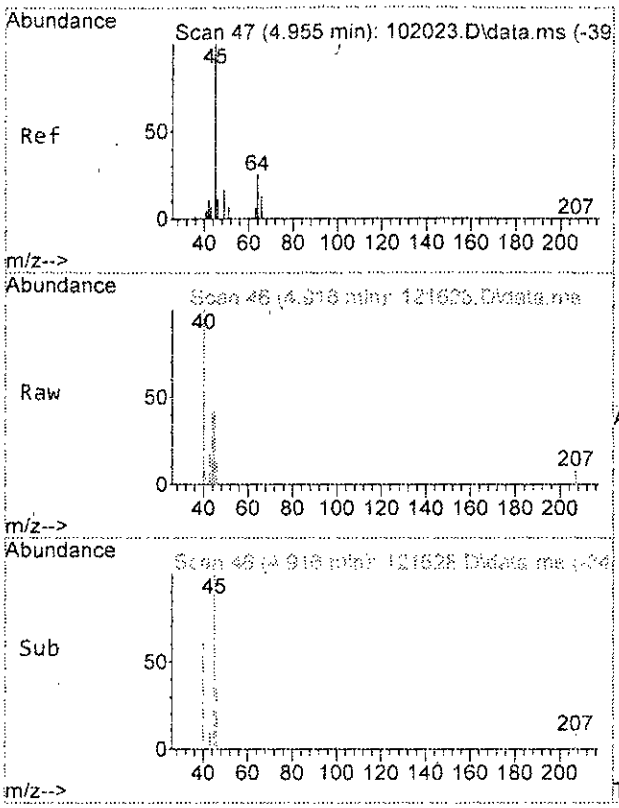


#3
Dichlorodifluoromethane
Concen: 0.134 ppbv
RT: 3.49 min Scan# 10
Delta R.T. 0.000 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 85 Resp: 2825

Ion	Ratio	Lower	Upper
85	100		
87	24.0	2.2	62.2

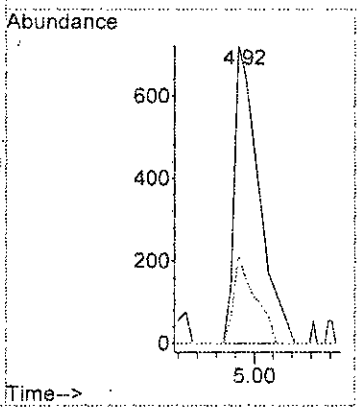


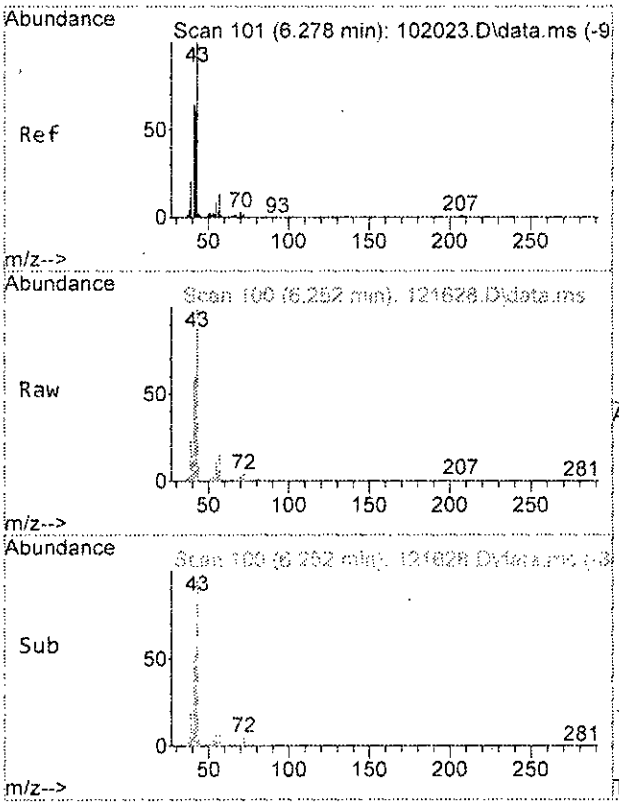


#12
Ethanol
Concen: 2.014 ppbv
RT: 4.92 min Scan# 46
Delta R.T. -0.039 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 45 Resp: 6841

Ion	Ratio	Lower	Upper
45	100		
46	28.8	0.0	55.5

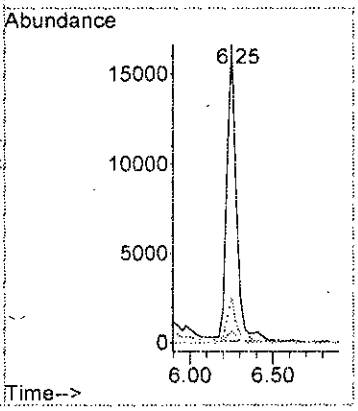


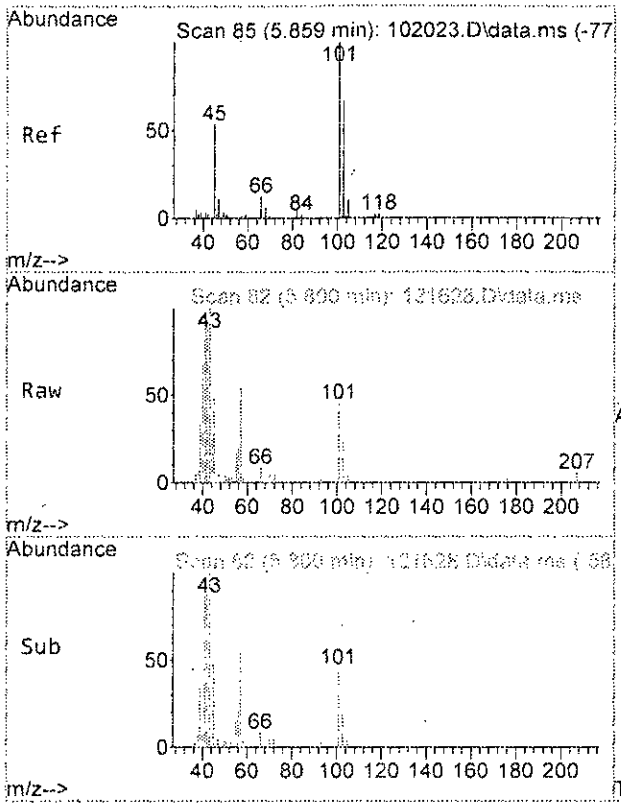


#14
Pentane
Concen: 5.272 ppbv
RT: 6.25 min Scan# 100
Delta R.T. 0.000 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 43 Resp: 66449

Ion	Ratio	Lower	Upper
43	100		
57	15.3	0.0	43.5
72	4.1	0.0	34.2

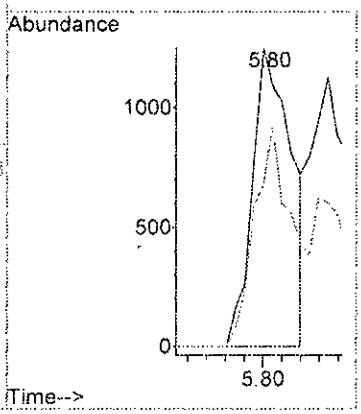


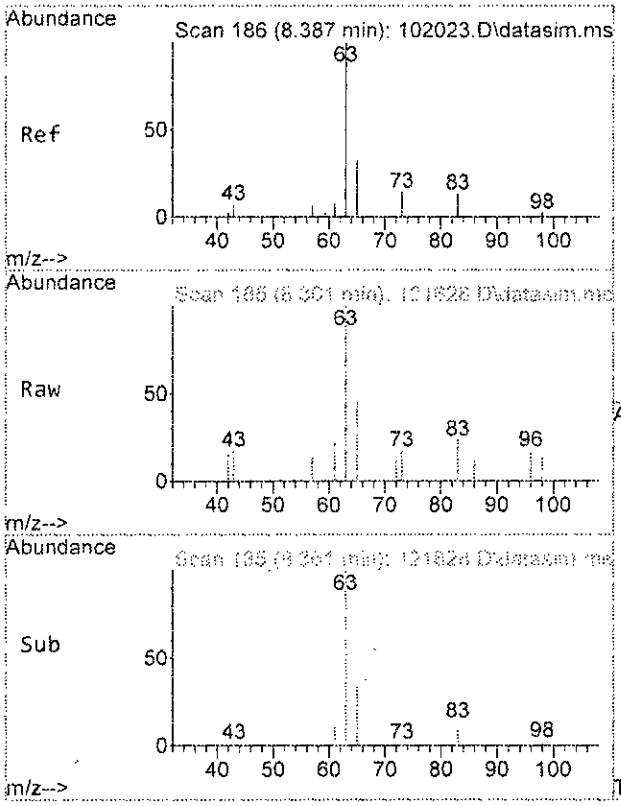


#15
Trichlorofluoromethane
Concen: 0.293 ppbv
RT: 5.80 min Scan# 82
Delta R.T. -0.039 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion:101 Resp: 7169

Ion	Ratio	Lower	Upper
101	100		
103	54.6	34.5	94.5

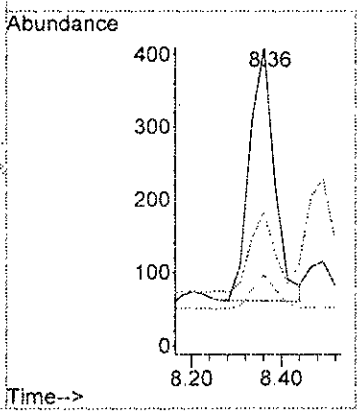


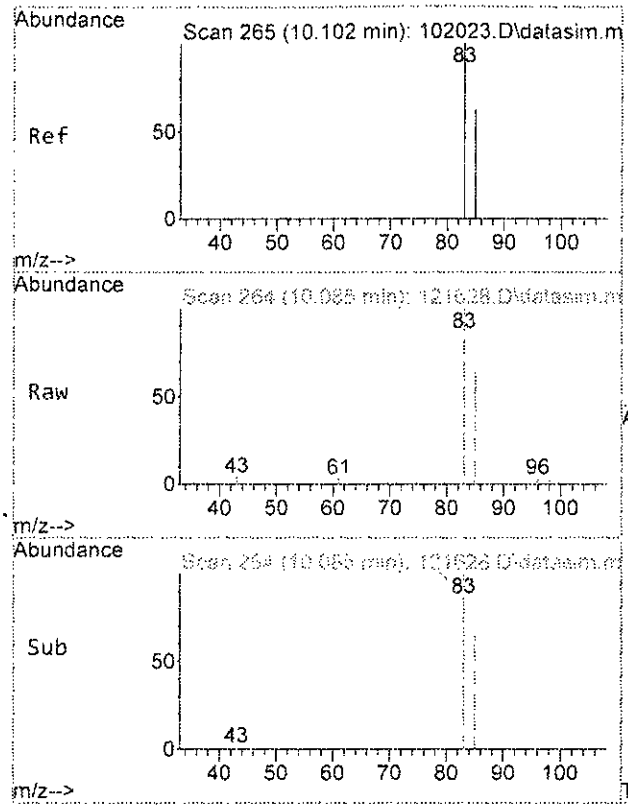


#27
1,1-Dichloroethane
Concen: 0.078 ppbv
RT: 8.36 min Scan# 185
Delta R.T. 0.000 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 63 Resp: 1337

Ion	Ratio	Lower	Upper
63	100		
65	31.1	2.5	62.5
83	13.3	0.0	43.2

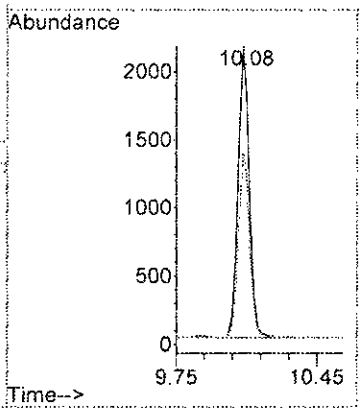


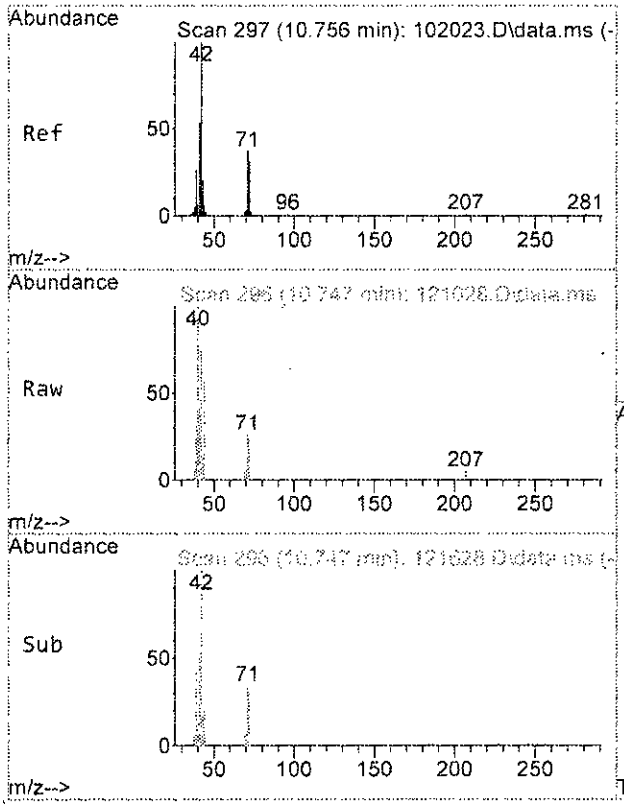


#30
Chloroform
Concen: 0.403 ppbv
RT: 10.08 min Scan# 264
Delta R.T. -0.017 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 83 Resp: 8126

Ion	Ratio	Lower	Upper
83	100		
85	63.6	36.3	96.3

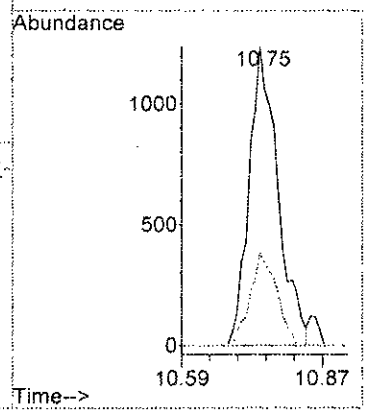


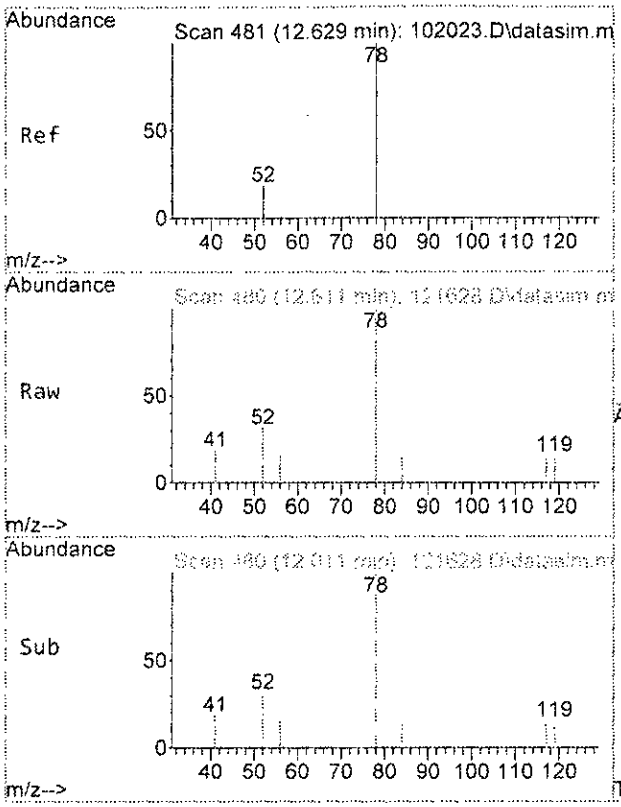


#32
Tetrahydrofuran
Concen: 0.548 ppbv
RT: 10.75 min Scan# 296
Delta R.T. -0.000 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 42 Resp: 5082

Ion	Ratio	Lower	Upper
42	100		
72	28.6	3.7	63.7

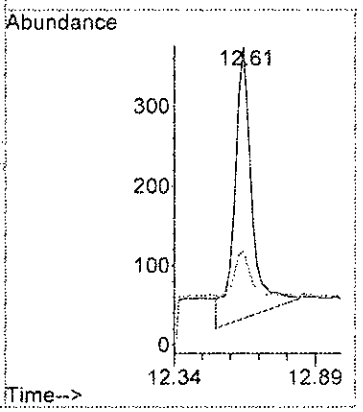




#37
Benzene
Concen: Below Cal
RT: 12.61 min Scan# 480
Delta R.T. 0.000 min
Lab File: 121628.D
Acq: 17 Dec 2022 8:54 am

Tgt Ion: 78 Resp: 1607

Ion	Ratio	Lower	Upper
78	100		
52	17.6	0.0	49.7



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51221	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	194179	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	182206	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	102431	8.112	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	81.10%		
Target Compounds						Qvalue
2) Propene	3.45	41	5043	0.672	ppbv	85
3) Dichlorodifluoromethane	3.49	85	2825	0.134	ppbv	85
4) Chloromethane	3.69	50	527	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.28	43	4134	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	4.92	45	6841	2.014	ppbv	94
13) Acrolein	0.00		0	N.D.		
14) Pentane	6.25	43	66449	5.272	ppbv	97
15) Trichlorofluoromethane	5.80	101	7169	0.293	ppbv	87
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	5.78	45	5781	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.78	84	2968	N.D.		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	6.86	41	1007	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.23	76	7655	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	8.51	43	1984	N.D.		
27] 1,1-Dichloroethane	8.36	63	1337	0.078	ppbv	98
28) cis-1,2-Dichloroethene	9.62	96	331	N.D.		
29) Hexane	10.01	57	1132	N.D.		
30] Chloroform	10.08	83	8126	0.403	ppbv	97
31) Ethyl acetate	10.03	43	958	N.D.		
32) Tetrahydrofuran	10.75	42	5082	0.548	ppbv	91
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.68	97	167	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37] Benzene	12.61	78	1607	Below Cal		95
38) Cyclohexane	13.05	84	1090	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

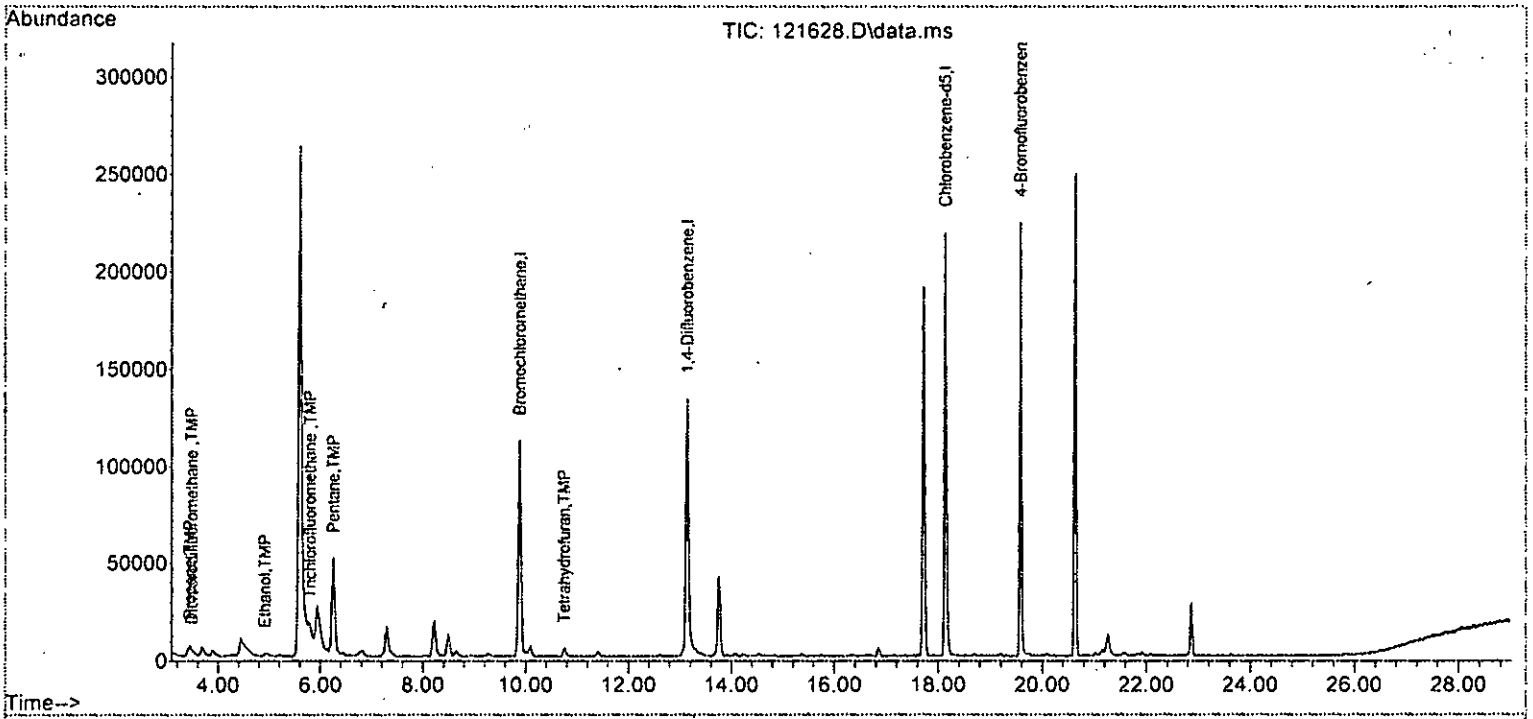
Compound	R.T.	QIon	Response	Conc Units Dev(Min)
41) 1,4-Dioxane	13.75	88	142	N.D.
42) 2,2,4-Trimethylpentane	14.21	57	610	N.D.
43) Methyl methacrylate	14.21	41	552	N.D.
44) Heptane	14.56	43	1336	N.D.
45) Bromodichloromethane	0.00		0	N.D.
46) Trichloroethene	0.00		0	N.D.
47) cis-1,3-Dichloropropene	0.00		0	N.D.
48) 4-Methyl-2-pentanone	0.00		0	N.D.
49) trans-1,3-Dichloropropene	0.00		0	N.D.
50) Toluene	16.31	92	1923	N.D.
51) 1,1,2-Trichloroethane	0.00		0	N.D.
52) 2-Hexanone	16.59	43	537	N.D.
53) Tetrachloroethene	17.52	164	406	N.D.
54) Dibromochloromethane	0.00		0	N.D.
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.
57) Chlorobenzene	0.00		0	N.D.
58) Ethylbenzene	18.53	91	332	N.D.
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.
60) Nonane	19.30	43	196	N.D.
61) Isopropylbenzene	0.00		0	N.D.
62) 2-Chlorotoluene	0.00		0	N.D.
63) Propylbenzene	0.00		0	N.D.
64) 4-Ethyltoluene	20.62	105	1229	N.D.
65) m,p-Xylene	18.70	106	260	N.D.
66) o-Xylene	19.15	106	109	N.D.
67) Styrene	0.00		0	N.D.
68) Bromoform	0.00		0	N.D.
70) Benzyl chloride	0.00		0	N.D. d
71) 1,3,5-Trimethylbenzene	20.62	105	1229	N.D.
72) 1,2,4-Trimethylbenzene	20.62	105	1229	N.D.
73) 1,3-Dichlorobenzene	20.63	146	207	N.D.
74) 1,4-Dichlorobenzene	20.63	146	207	N.D.
75) 1,2-Dichlorobenzene	0.00		0	N.D.
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.
77) Naphthalene	0.00		0	N.D.
78) Hexachlorobutadiene	0.00		0	N.D.

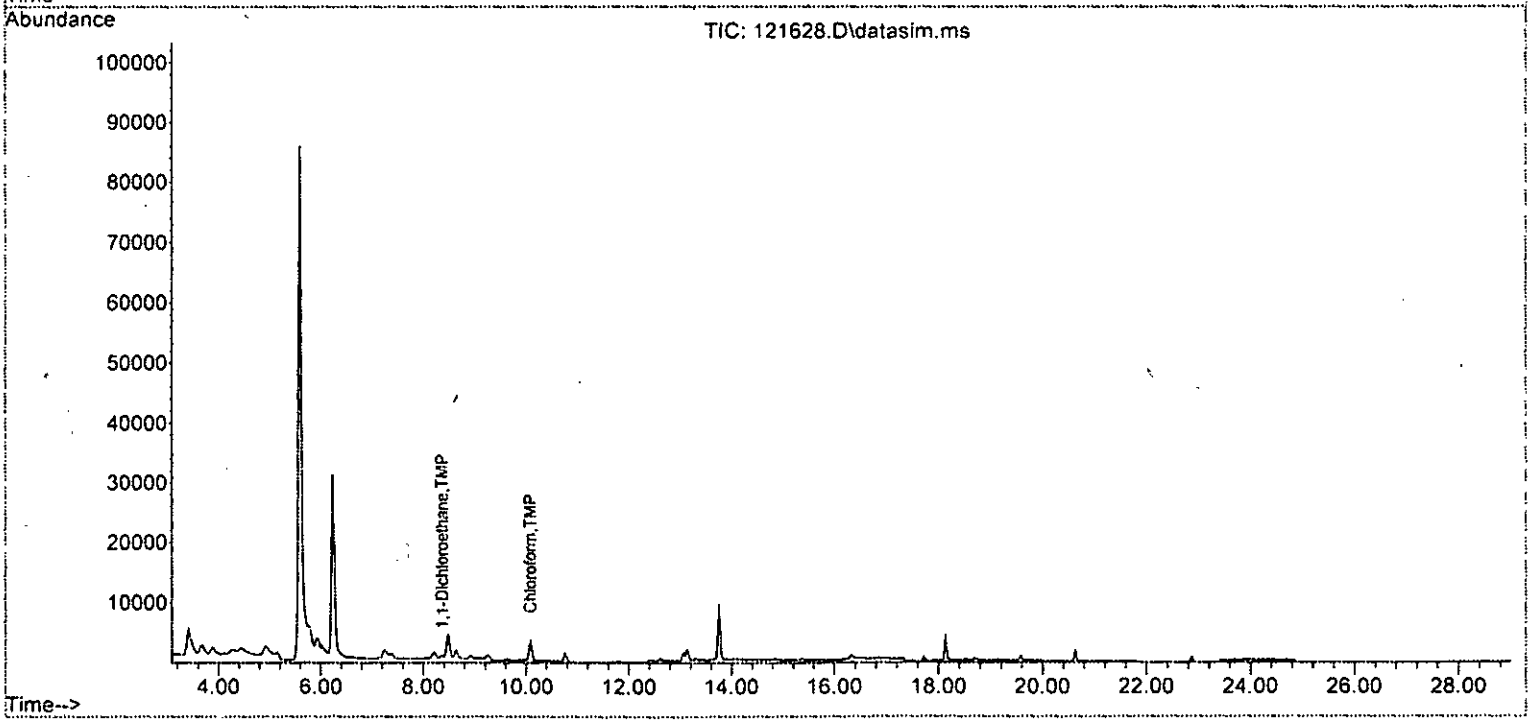
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121628.D
Acq On : 17 Dec 2022 8:54 am
Operator : bat
Sample : 212172-02 dup 1/4.8
Misc : T15
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:29:13 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

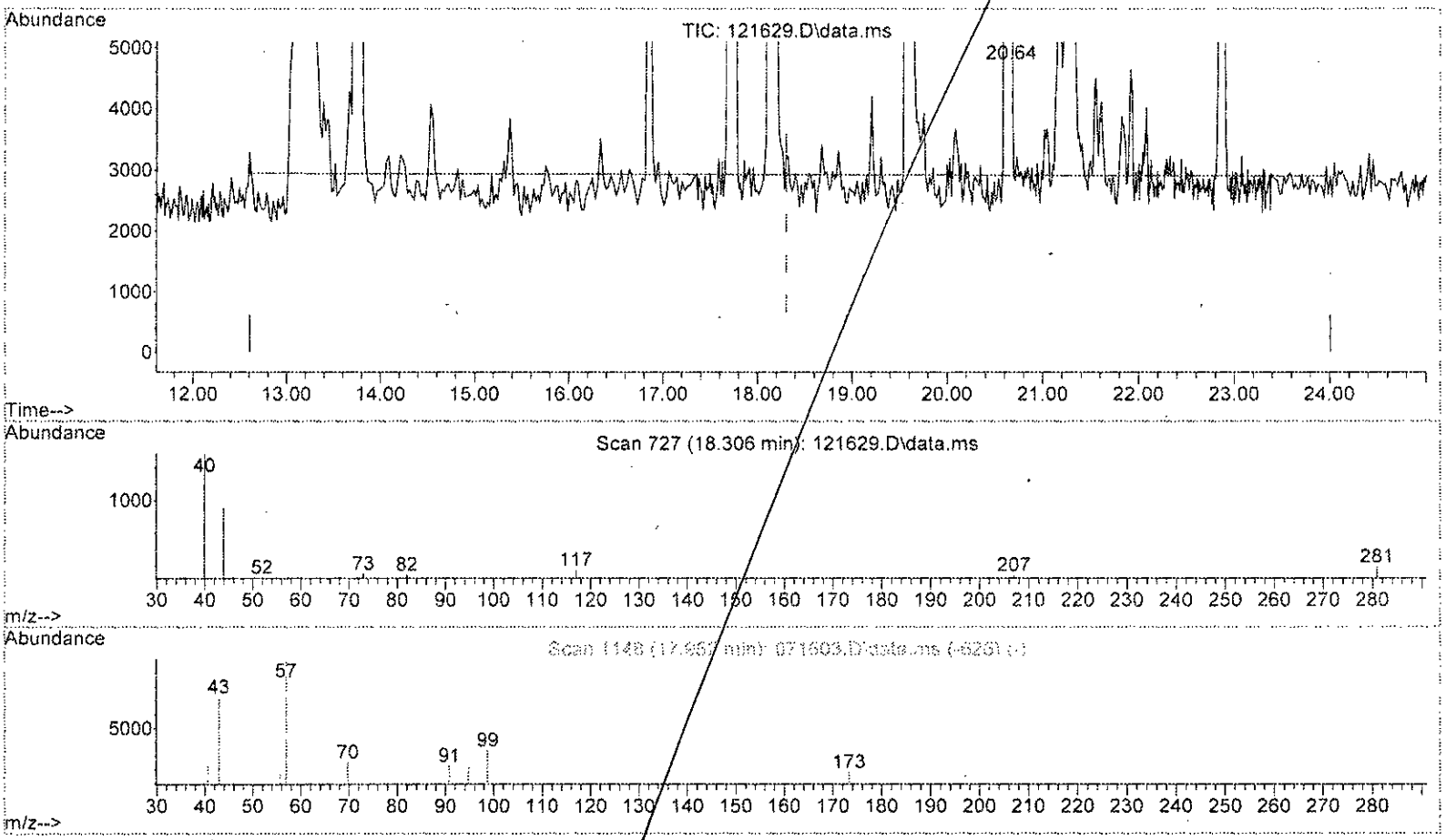




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:35:53 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121629.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 49.427 ppbv m

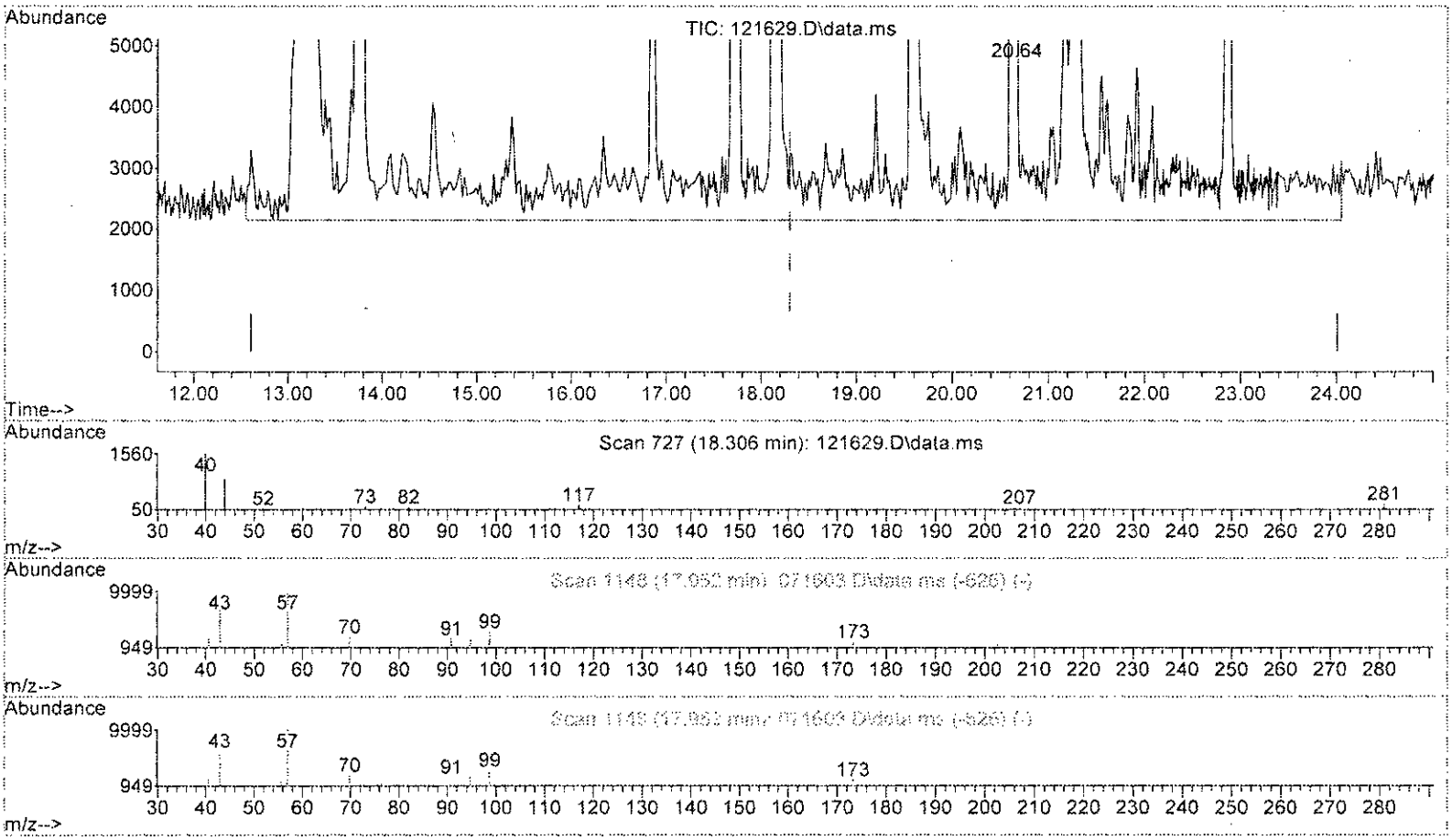
response 1343361

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:35:53 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121629.D\data.ms

(5) NWTPH-Gx (HMP)

18.310min (0.000) 128.894 ppbv m

response 3503139

Signal	Exp%	Act%
TIC	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Area Percent Report

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : D:\GCMS7 Methods\1216GAS80silox7.M
Title : TO-15 method

Signal : TIC: 121629.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.439	26	34	44	rVB2	9676	102691	8.07%	1.878%
2	5.605	64	72	85	rBV	267485	1272065	100.00%	23.257%
3	5.937	85	89	97	rVV	25659	208956	16.43%	3.820%
4	6.252	97	100	111	rVV	50017	217824	17.12%	3.982%
5	7.304	128	140	147	rBV2	13695	72057	5.66%	1.317%
6	8.224	169	173	179	rBV	17793	84076	6.61%	1.537%
7	8.487	180	183	187	rVV	11064	49667	3.90%	0.908%
8	9.882	238	244	252	rBV	109740	408298	32.10%	7.465%
9	13.142	484	493	506	rBV	136140b	527806	41.49%	9.650%
10	13.744	516	522	530	rVB	41216	156643	12.31%	2.864%
11	17.716	688	694	703	rVB	190156e	506656	39.83%	9.263%
12	18.130	712	718	726	rBV	216922c	592759	46.60%	10.837%
13	19.578	786	792	803	rBV	214748d	521376	40.99%	9.532%
14	20.638	851	856	861	rBV	257752f	610119	47.96%	11.155%
15	21.277	895	900	913	rVB	11466	56997	4.48%	1.042%
16	22.865	1059	1070	1081	rBV2	29533	81566	6.41%	1.491%

Sum of corrected areas: 5469556

Signal : TIC: 121629.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.412	5	8	13	rBV4	4443	27146	7.11%	4.844%
2	5.591	64	71	79	rBV	86477	381720	100.00%	68.108%
3	6.232	96	99	110	rVB	30360	124475	32.61%	22.209%
4	13.749	519	522	532	rVB	9185	27121	7.10%	4.839%

Sum of corrected areas: 560462

Inputs

Analytes							Initial Int.Response	Integraton w/o sub
Gx ICAL							4113304	79.724
Gx CCV/LCS							4107560	148.059
02-2958 MB							2522801	67.383
212172-01 1/7.8							2863061	73.808
212172-02 1/4.8							2868533	72.589

Final

	b	c	d	e	f						
	1,4 Difluroben zene	**Chlorobenz ene-d5**	**4-Bromofluor obenzene**	**Siloxane @RT 17.9**	**Siloxane @RT 20.85**	**Integration response**	**Net Response**	**Gx concent (ppbv)**	**DL**	**final**	**LCS % rec.**
Calibration resp	521904	619796	587087	134700	31950	4113304	2217867	80.00	1	80.00	
CCV/LCS	521904	619796	587087	134700	31950	4104702	2209265	79.63	1	79.63	**99.54**
02-2958 MB	481231	553073	470246	128740	23062	1962219	305867	8.17	1	8.17	
212172-01 1/7.8	517739	305816	699516	305816	336666	16069832	13904279	358.44	7.8	2795.86	
212172-02 1/4.8	527806	592759	521376	506656	610119	3503139	744423	18.84	4.8	90.42	

final concentration =sample Gx response *(cal conc./cal response) *dil factor

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:35:53 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	49147	10.000	ppbv	# 0.00
2) 1,4-Difluorobenzene	13.14	114	196780	10.000	ppbv	0.00
3) Chlorobenzene-d5	18.13	117	181102	10.000	ppbv	0.00
System Monitoring Compounds						
4) 4-Bromofluorobenzene	19.58	95	103623	8.979	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.80%			
Target Compounds						Qvalue
5) NWTPH-Gx	18.31	TIC	3503139m	128.894	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

d) Siloxan @RT 17.7

f) Siloxc @ 20.6

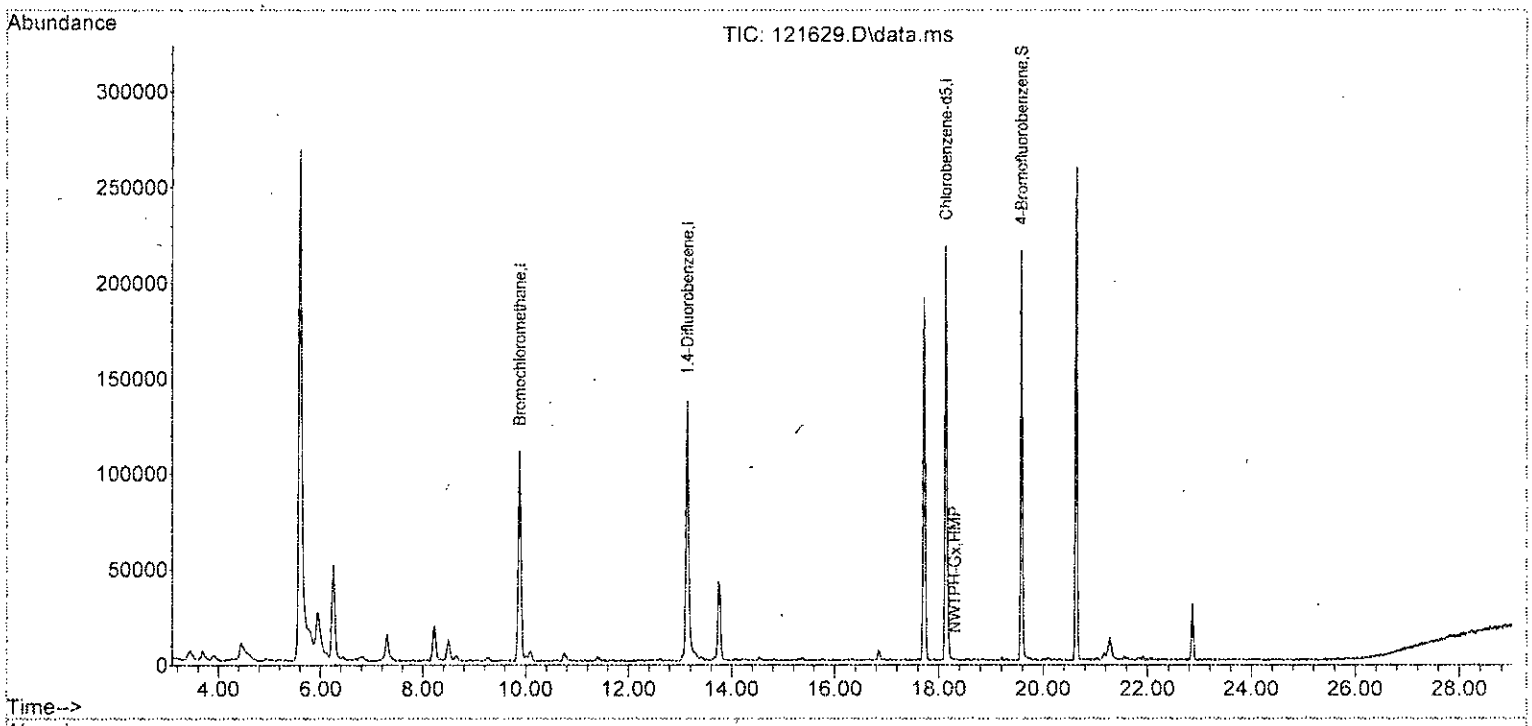
See excel cal.
<80 ppbv

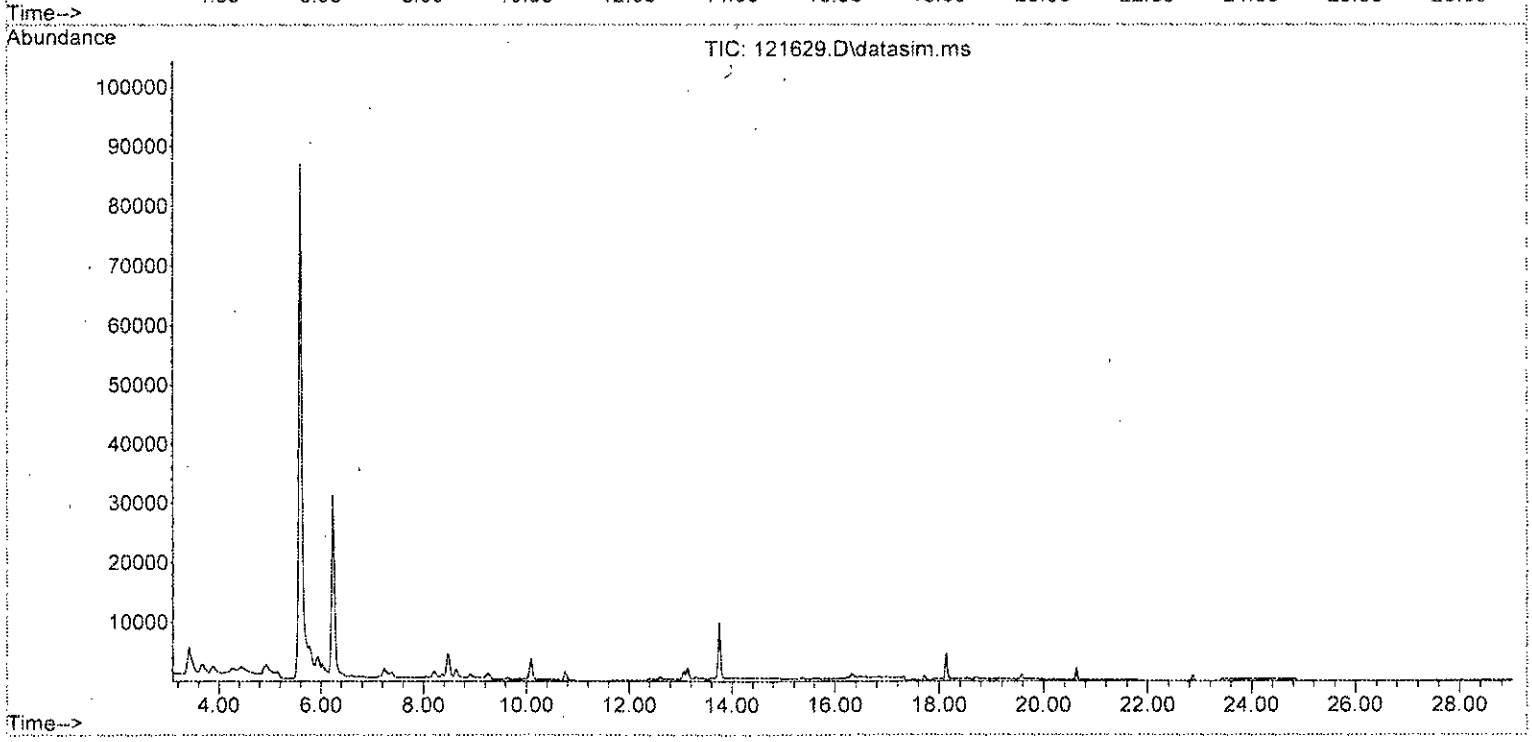
12/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:35:53 2022
Quant Method : D:\GCMS7 Methods\1216GAS80silox7.M
Quant Title : TO-15 method
QLast Update : Mon Dec 19 18:05:16 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:37:49 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

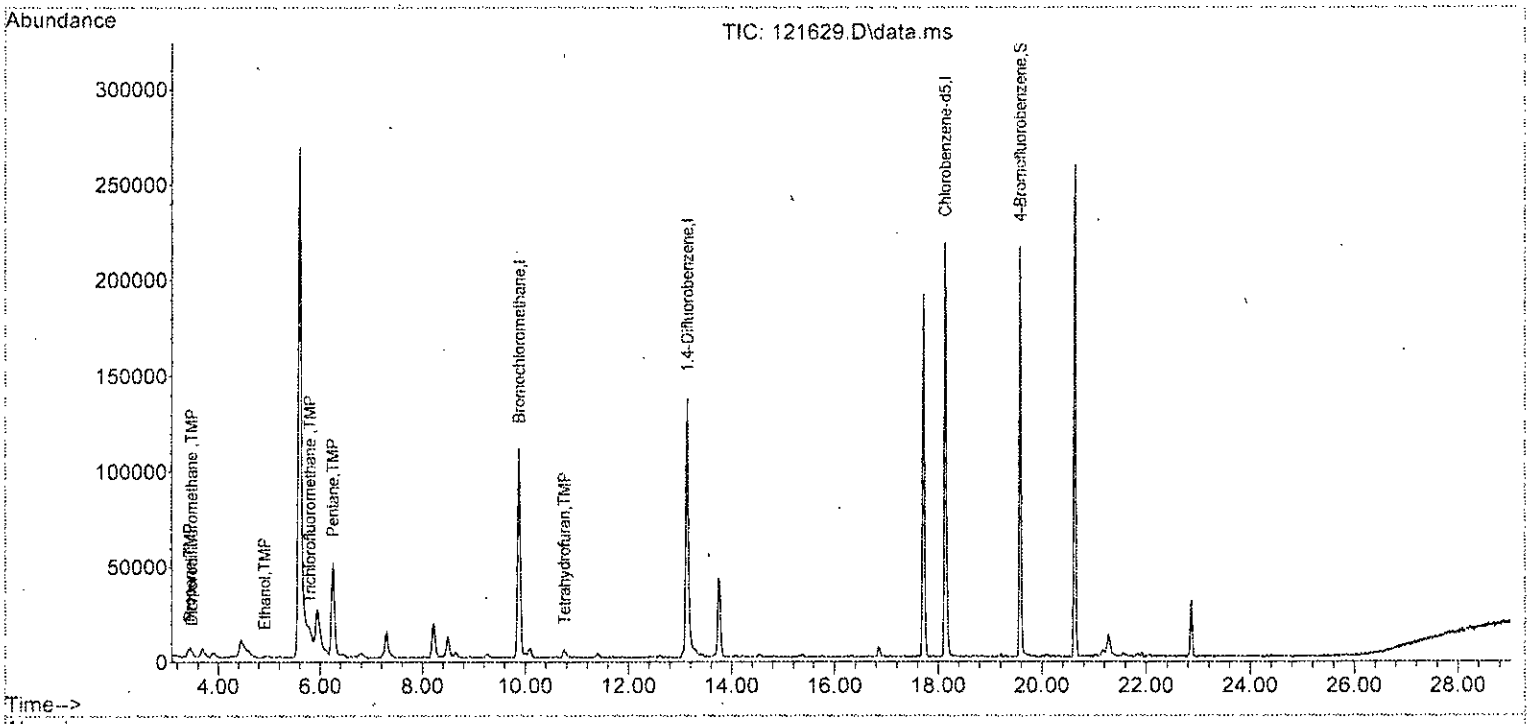
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	49147	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196780	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	181102	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	103623	8.256	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 82.60%			
Target Compounds						Qvalue
2) Propene	3.45	41	4113	0.555	ppbv #	1
3) Dichlorodifluoromethane	3.49	85	2358	0.116	ppbv	88
12) Ethanol	4.92	45	7006	2.149	ppbv	83
14) Pentane	6.25	43	69677	5.762	ppbv	99
15) Trichlorofluoromethane	5.80	101	6730	0.286	ppbv	80
27] 1,1-Dichloroethane	8.36	63	1320	0.080	ppbv	99
30] Chloroform	10.08	83	8139	0.421	ppbv	97
32) Tetrahydrofuran	10.76	42	5128	0.577	ppbv	89
77] Naphthalene	23.46	128	258	Below Cal #		1

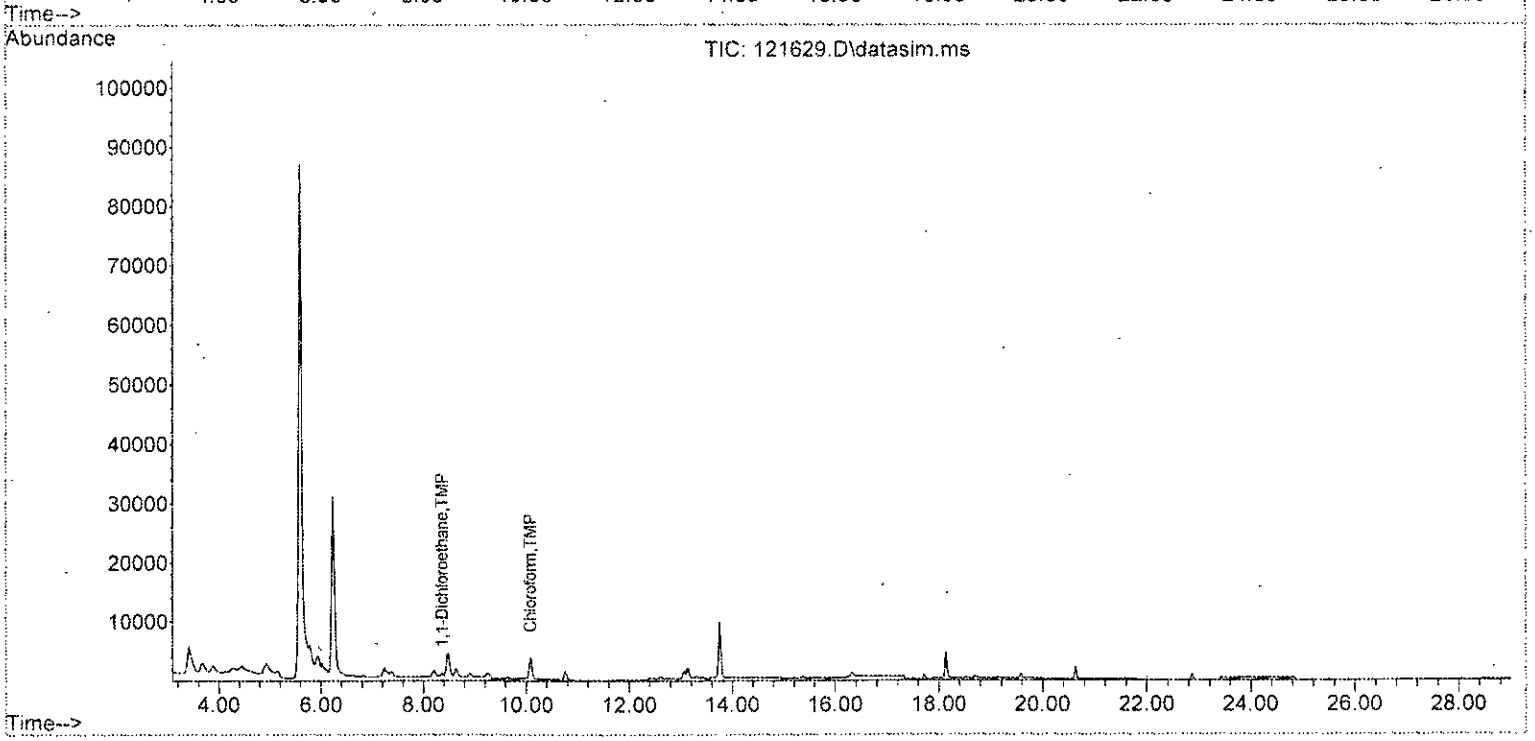
(#) = qualifier out of range (m) = manual integration (+) = signals summed

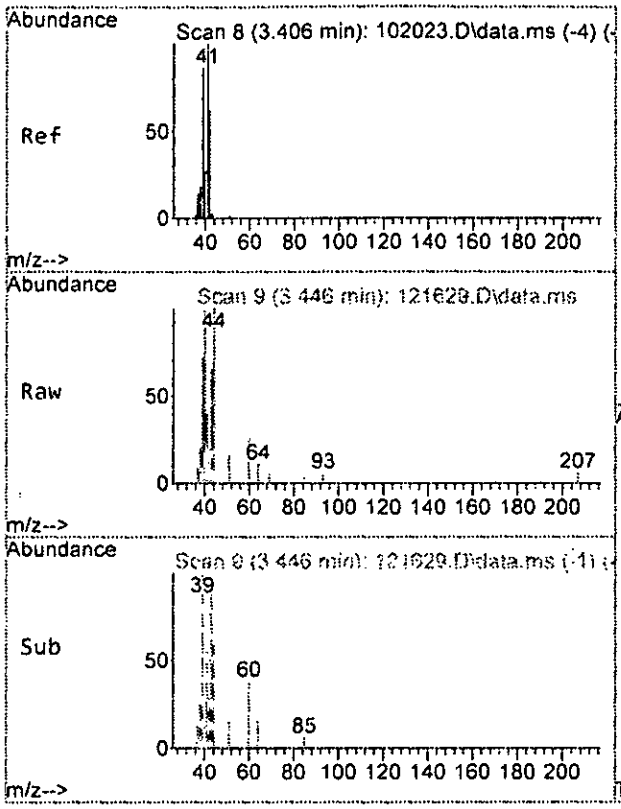
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:37:49 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



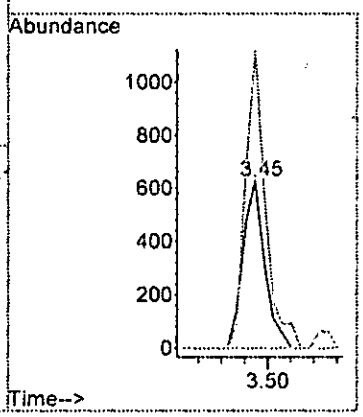


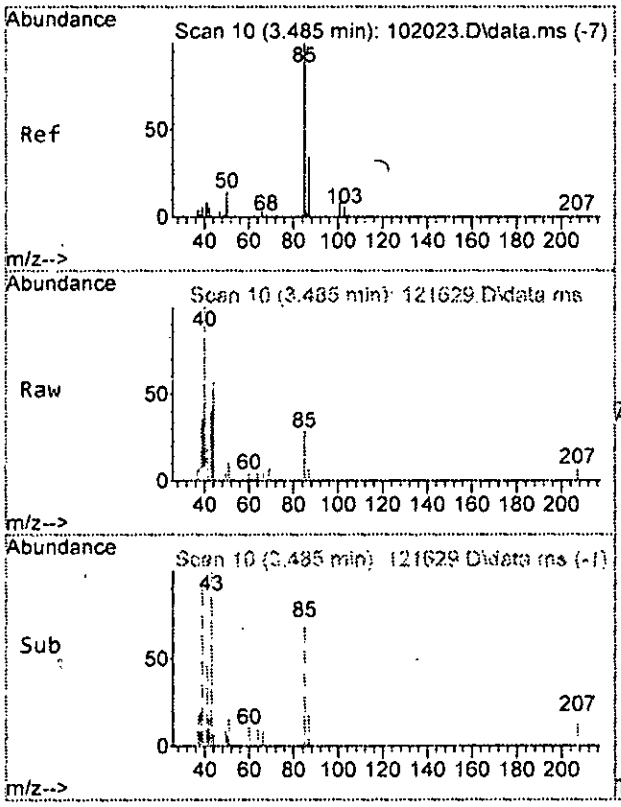


#2
Propene
Concen: 0.555 ppbv
RT: 3.45 min Scan# 9
Delta R.T. 0.039 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 41 Resp: 4113

Ion	Ratio	Lower	Upper
41	100		
39	178.5	45.6	105.6#
27	0.0	0.0	30.0

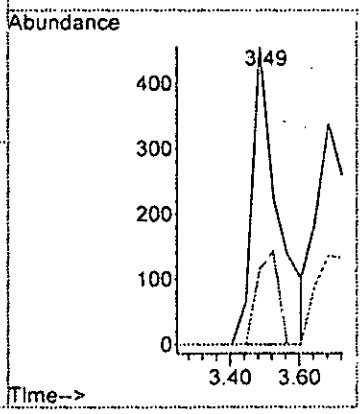


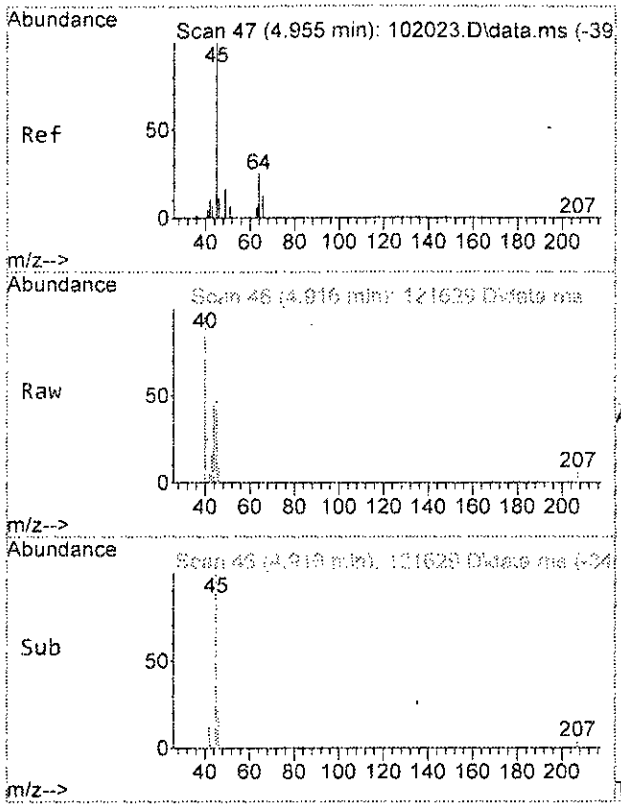


#3
Dichlorodifluoromethane
Concen: 0.116 ppbv
RT: 3.49 min Scan# 10
Delta R.T. 0.000 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 85 Resp: 2358

Ion	Ratio	Lower	Upper
85	100		
87	25.3	2.2	62.2

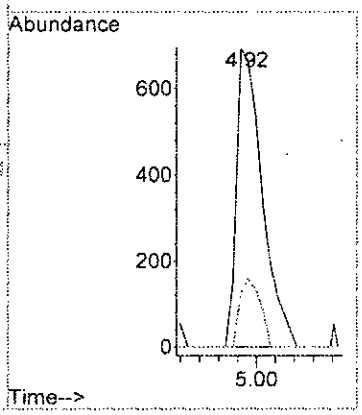


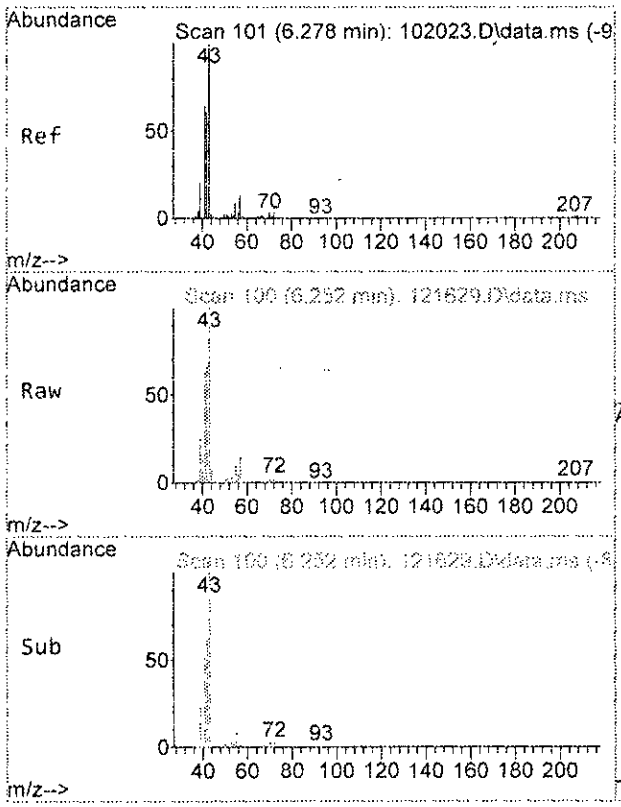


#12
Ethanol
Concen: 2.149 ppbv
RT: 4.92 min Scan# 46
Delta R.T. -0.039 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 45 Resp: 7006

Ion	Ratio	Lower	Upper
45	100		
46	17.1	0.0	55.5

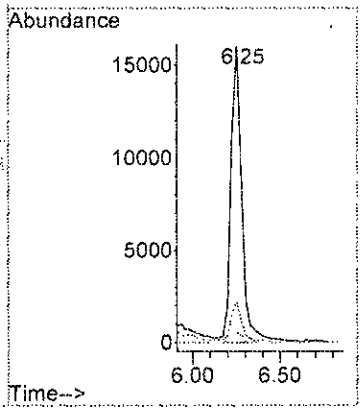


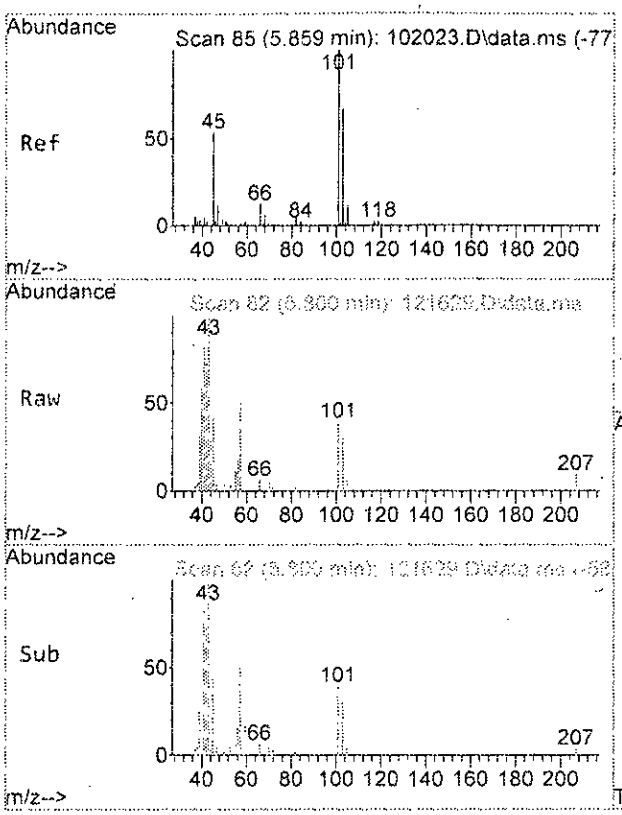


#14
Pentane
Concen: 5.762 ppbv
RT: 6.25 min Scan# 100
Delta R.T. 0.000 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 43 Resp: 69677

Ion	Ratio	Lower	Upper
43	100		
57	13.8	0.0	43.5
72	3.2	0.0	34.2

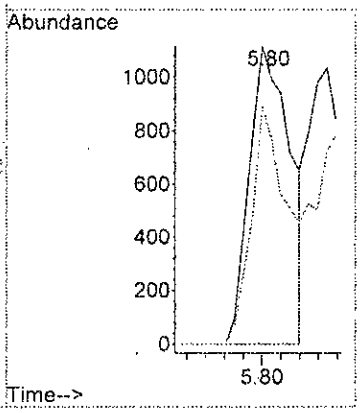


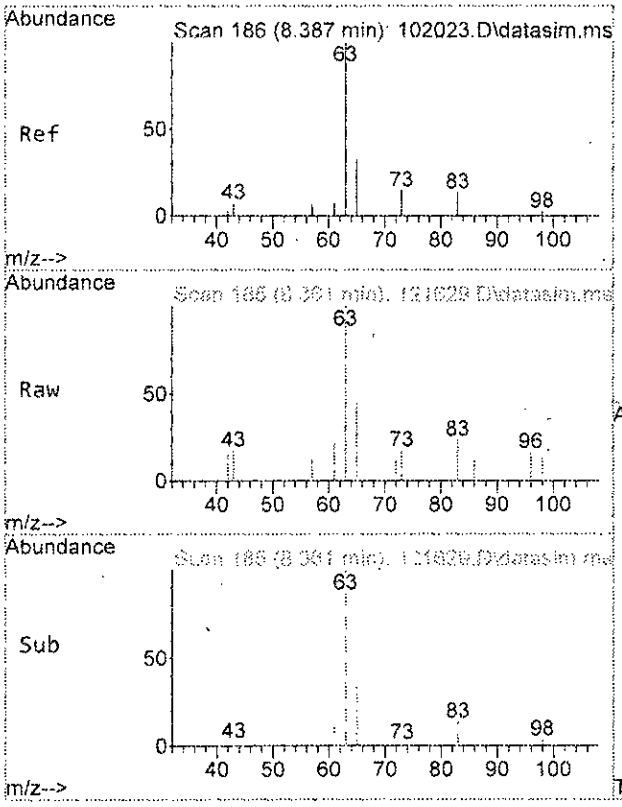


#15
Trichlorofluoromethane
Concen: 0.286 ppbv
RT: 5.80 min Scan# 82
Delta R.T. -0.039 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion:101 Resp: 6730

Ion	Ratio	Lower	Upper
101	100		
103	79.9	34.5	94.5

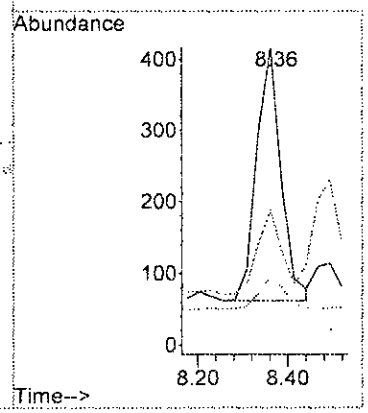


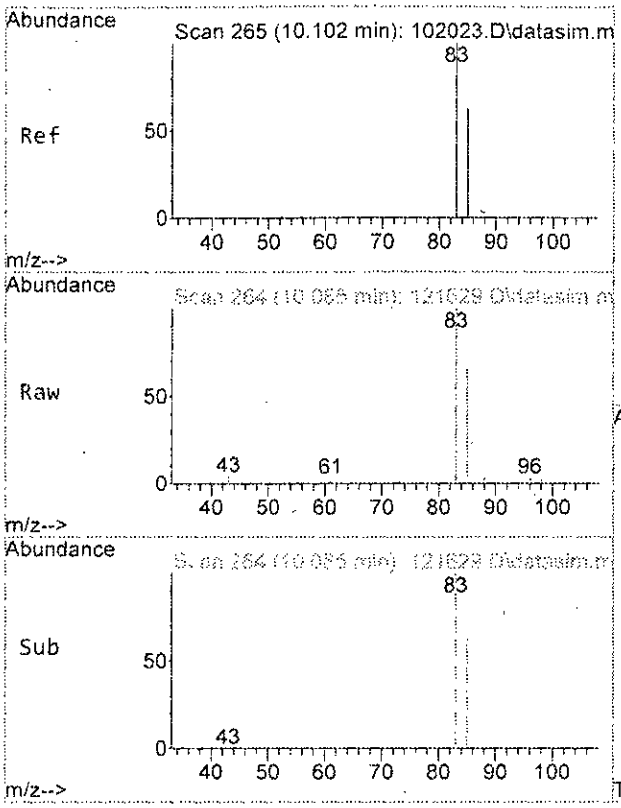


#27
1,1-Dichloroethane
Concen: 0.080 ppbv
RT: 8.36 min Scan# 185
Delta R.T. 0.000 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 63 Resp: 1320

Ion	Ratio	Lower	Upper
63	100		
65	33.0	2.5	62.5
83	12.7	0.0	43.2

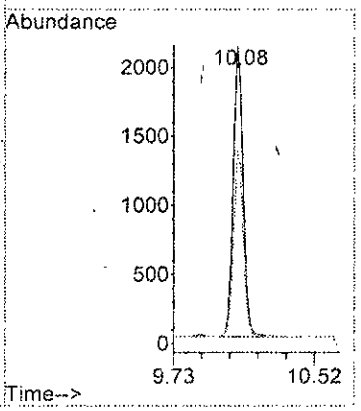


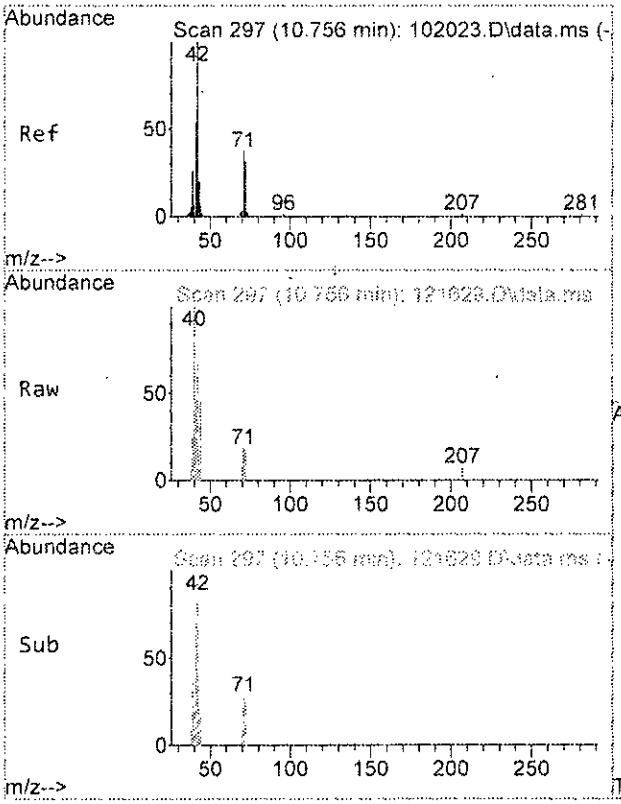


#30
Chloroform
Concen: 0.421 ppbv
RT: 10.08 min Scan# 264
Delta R.T. -0.017 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 83 Resp: 8139

Ion	Ratio	Lower	Upper
83	100		
85	64.1	36.3	96.3

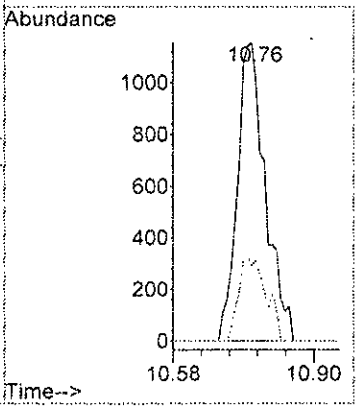


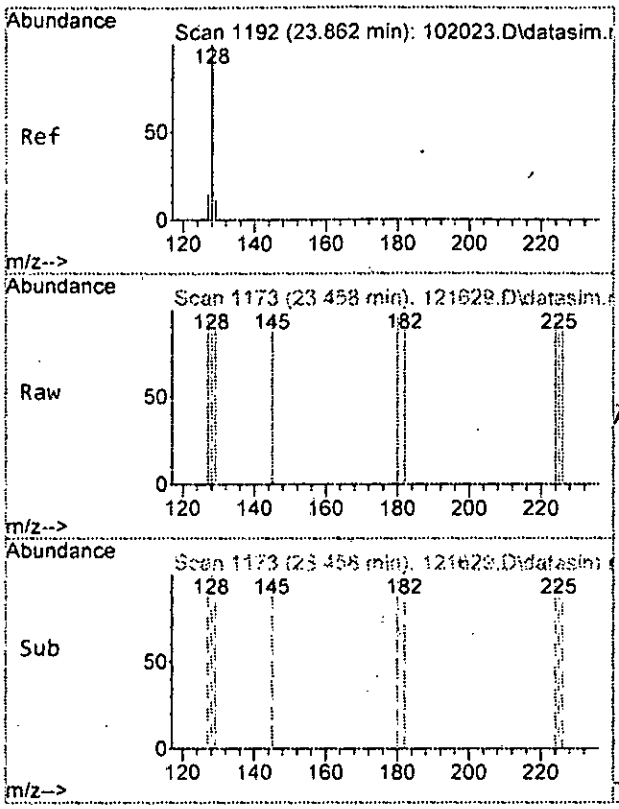


#32
Tetrahydrofuran
Concen: 0.577 ppbv
RT: 10.76 min Scan# 297
Delta R.T. 0.009 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion: 42 Resp: 5128

Ion	Ratio	Lower	Upper
42	100		
72	27.6	3.7	63.7

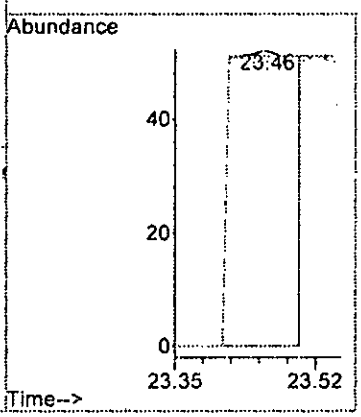




#77
Naphthalene
Concen: Below Cal
RT: 23.46 min Scan# 1173
Delta R.T. -0.383 min
Lab File: 121629.D
Acq: 17 Dec 2022 9:29 am

Tgt Ion:128 Resp: 258

Ion	Ratio	Lower	Upper
128	100		
129	98.1	0.0	41.0#
127	96.2	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:37:49 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	49147	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196780	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	181102	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	103623	8.256	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	82.60%		
Target Compounds						Qvalue
2) Propene	3.45	41	4113	0.555	ppbv #	1
3) Dichlorodifluoromethane	3.49	85	2358	0.116	ppbv	88
4) Chloromethane	3.69	50	522	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.28	43	4995	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.		
12) Ethanol	4.92	45	7006	2.149	ppbv	83
13) Acrolein	0.00		0	N.D.		
14) Pentane	6.25	43	69677	5.762	ppbv	99
15) Trichlorofluoromethane	5.80	101	6730	0.286	ppbv	80
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	5.80	45	4997	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.78	84	2708	N.D.		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	6.83	41	1029	N.D.		
23) CFC-113	7.15	101	349	N.D.		
24) Carbon disulfide	7.23	76	8134	N.D.		
25) Methyl t-butyl ether (...	8.22	73	453	N.D.		
26) Vinyl acetate	8.49	43	1887	N.D.		
27] 1,1-Dichloroethane	8.36	63	1320	0.080	ppbv	99
28) cis-1,2-Dichloroethene	9.62	96	354	N.D.		
29) Hexane	10.03	57	936	N.D.		
30] Chloroform	10.08	83	8139	0.421	ppbv	97
31) Ethyl acetate	9.99	43	1034	N.D.		
32) Tetrahydrofuran	10.76	42	5128	0.577	ppbv	89
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
35) 1,1,1-Trichloroethane	11.80	97	781	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37) Benzene	12.61	78	1604	N.D.		
38) Cyclohexane	13.07	84	1342	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

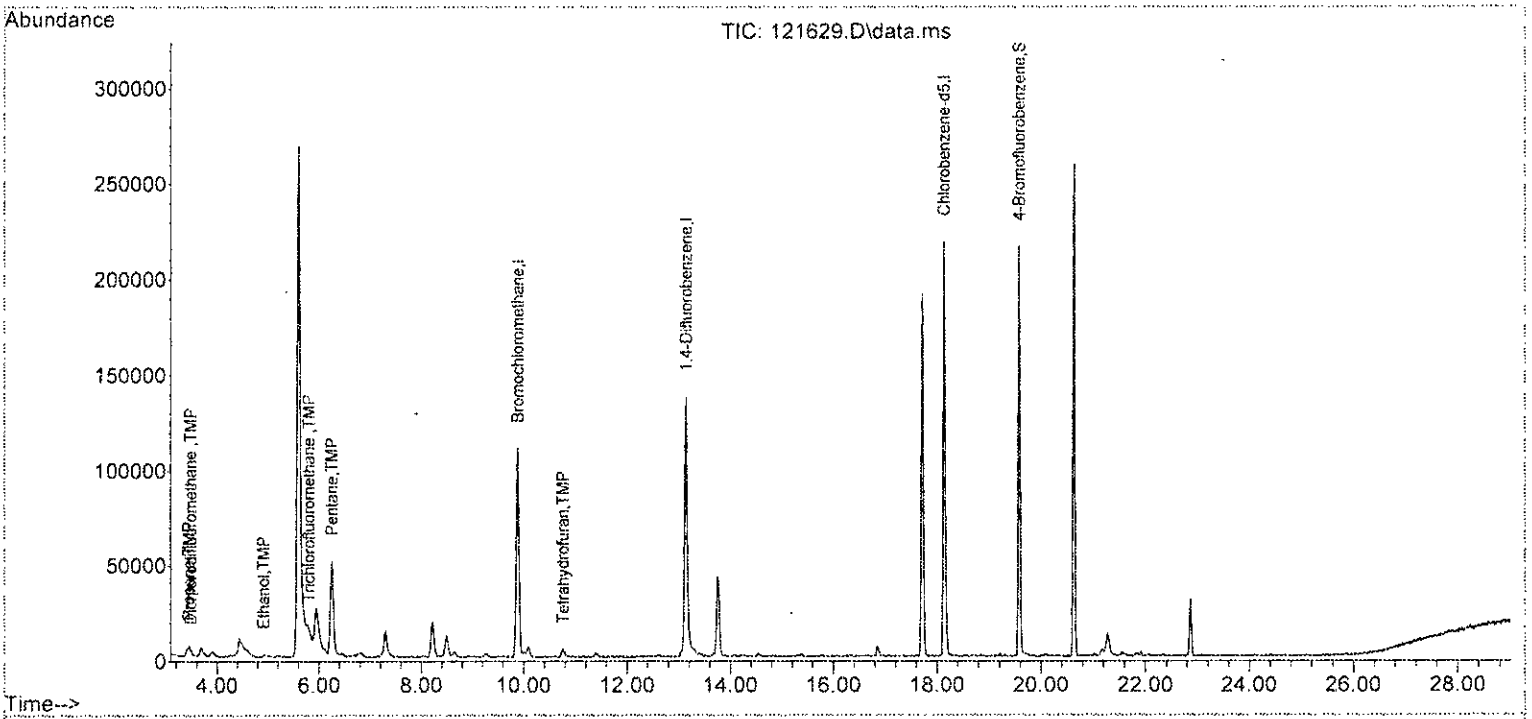
Quant Time: Dec 22 14:37:49 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

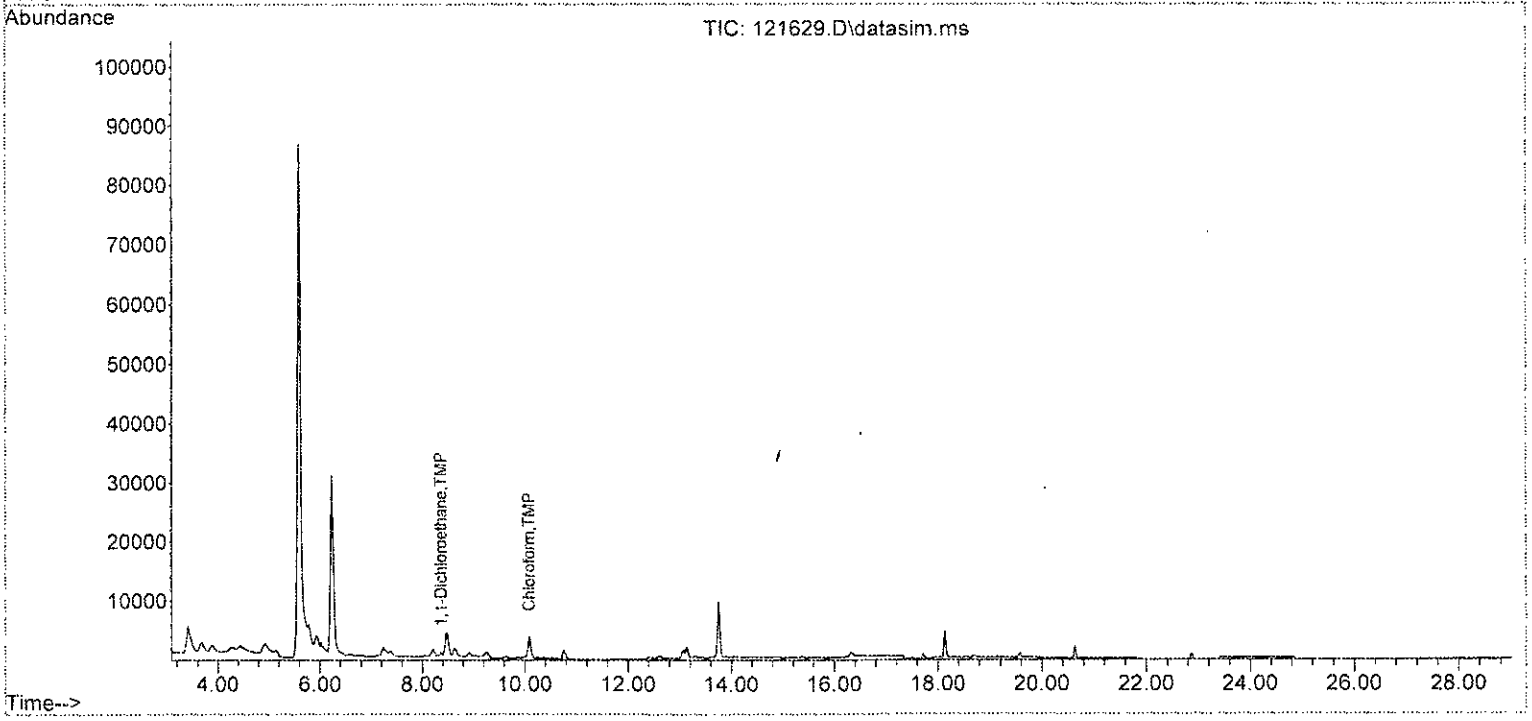
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,4-Dioxane	13.75	88	140	N.D.	
42) 2,2,4-Trimethylpentane	14.24	57	817	N.D.	
43) Methyl methacrylate	14.21	41	379	N.D.	
44) Heptane	14.53	43	1162	N.D.	
45) Bromodichloromethane	0.00		0	N.D.	
46) Trichloroethene	0.00		0	N.D.	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	
48) 4-Methyl-2-pentanone	0.00		0	N.D.	
49) trans-1,3-Dichloropropene	0.00		0	N.D.	
50) Toluene	16.31	92	2369	N.D.	
51) 1,1,2-Trichloroethane	0.00		0	N.D.	
52) 2-Hexanone	16.56	43	181	N.D.	
53) Tetrachloroethene	17.52	164	120	N.D.	
54) Dibromochloromethane	0.00		0	N.D.	
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
57) Chlorobenzene	0.00		0	N.D.	
58) Ethylbenzene	18.53	91	340	N.D.	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
60) Nonane	19.30	43	185	N.D.	
61) Isopropylbenzene	0.00		0	N.D.	
62) 2-Chlorotoluene	0.00		0	N.D.	
63) Propylbenzene	0.00		0	N.D.	
64) 4-Ethyltoluene	20.32	105	109	N.D.	
65) m,p-Xylene	18.70	106	278	N.D.	
66) o-Xylene	19.15	106	104	N.D.	
67) Styrene	0.00		0	N.D.	
68) Bromoform	0.00		0	N.D.	
70) Benzyl chloride	0.00		0	N.D. d	
71) 1,3,5-Trimethylbenzene	20.64	105	1260	N.D.	
72) 1,2,4-Trimethylbenzene	20.64	105	1260	N.D.	
73) 1,3-Dichlorobenzene	20.63	146	205	N.D.	
74) 1,4-Dichlorobenzene	20.63	146	204	N.D.	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
77] Naphthalene	23.46	128	258	Below Cal #	1
78) Hexachlorobutadiene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121629.D
Acq On : 17 Dec 2022 9:29 am
Operator : bat
Sample : 212172-02 1/4.8
Misc : T15
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 22 14:37:49 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



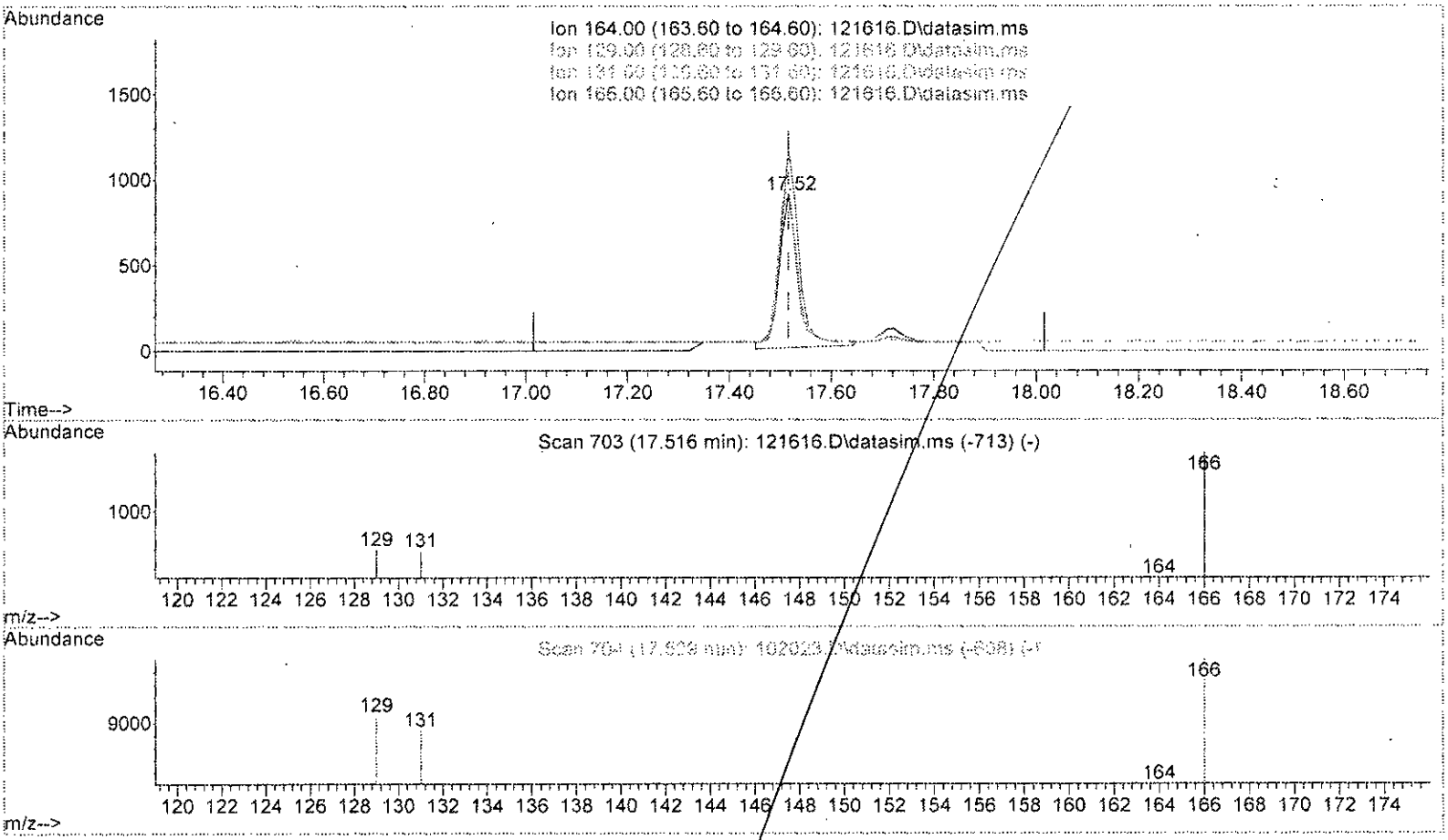


EPA TO-15
Sample Data

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121616.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.243 ppbv

response 2340

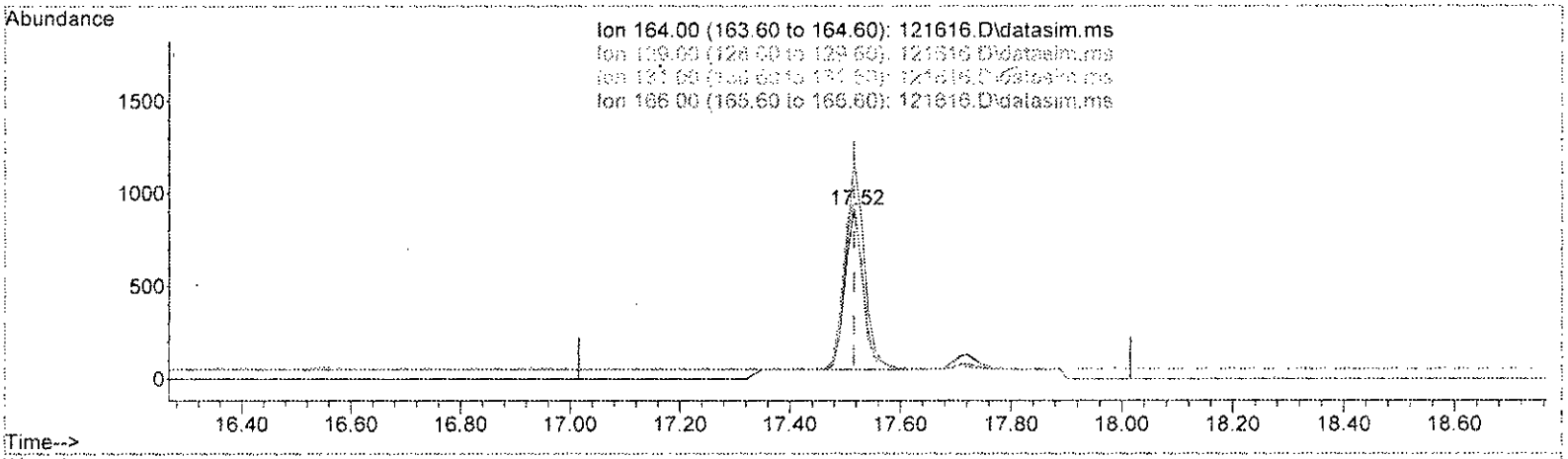
Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	106.72
131.00	100.70	106.37
166.00	137.50	130.36

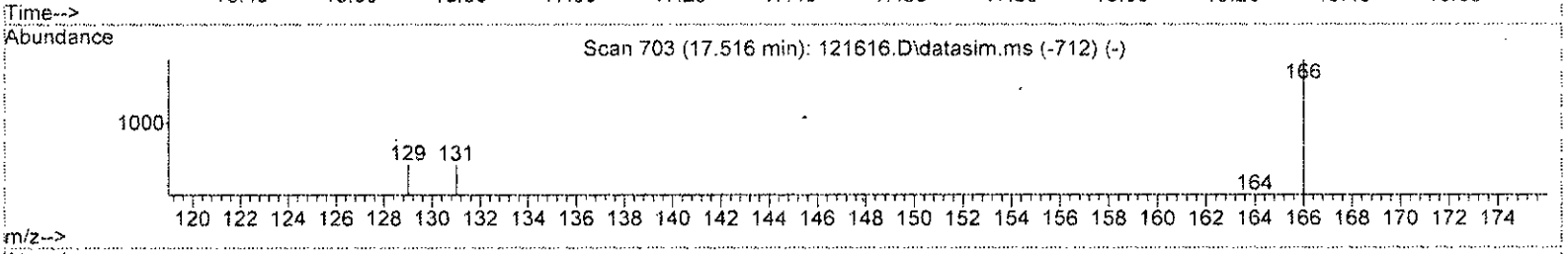
12/21/22

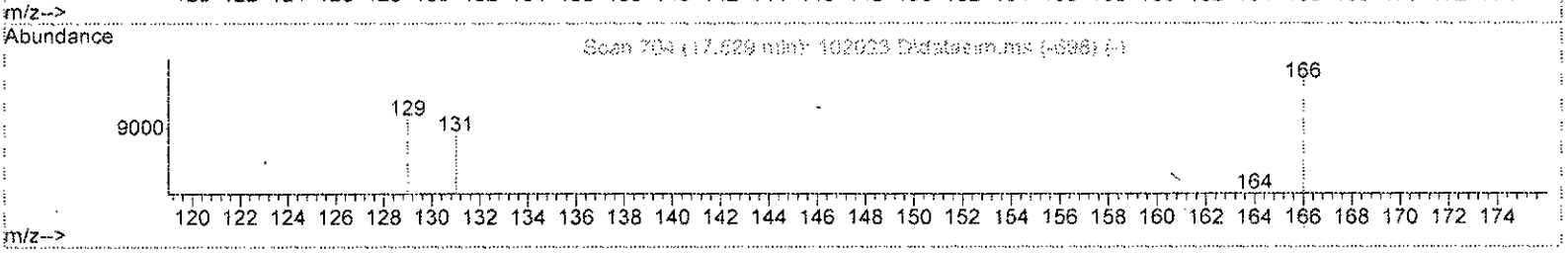
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121616.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.209 ppbv m

response 2009

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	106.46
131.00	100.70	106.46
166.00	137.50	128.70

12/21/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

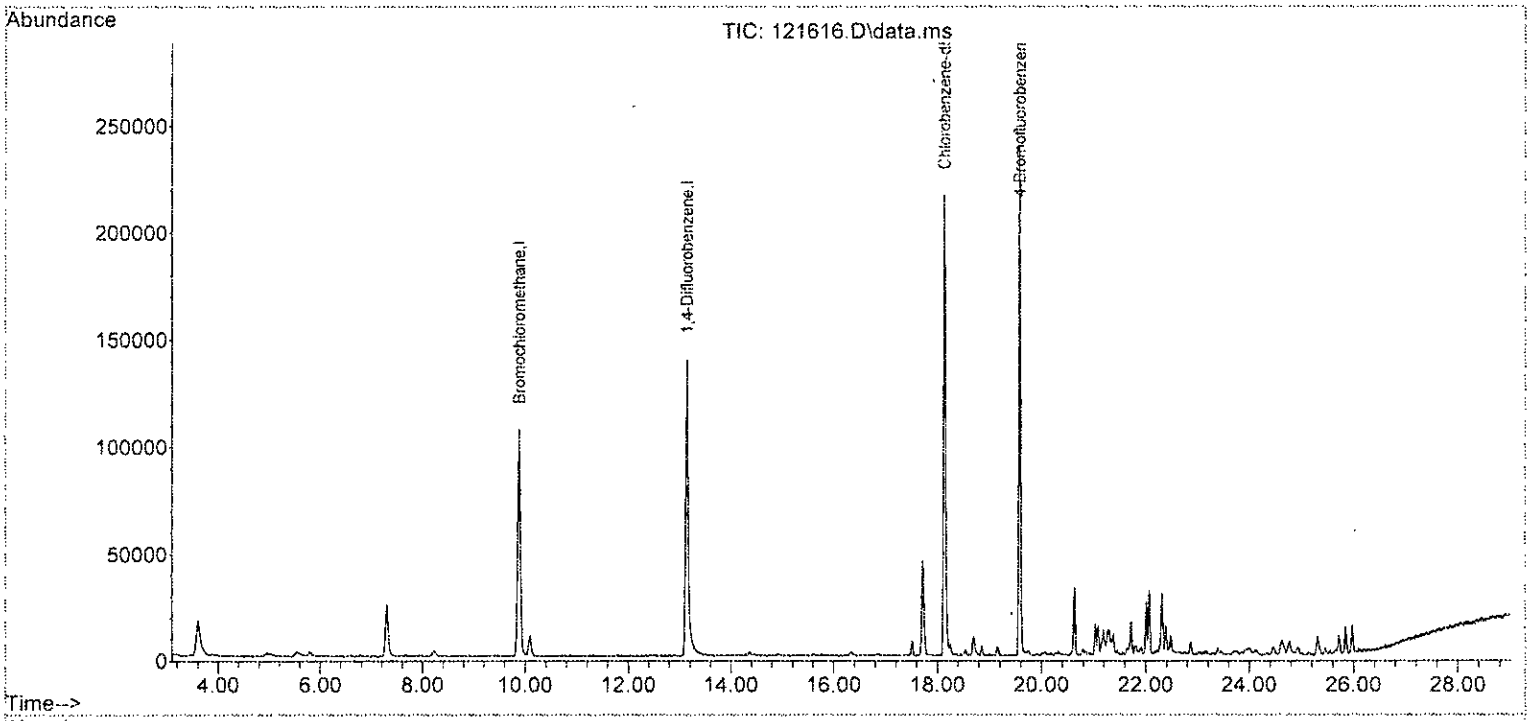
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	49496	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196417	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178767	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106845	8.624	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.20%			
Target Compounds						Qvalue
53] Tetrachloroethene	17.52	164	2009m	0.209	ppbv	

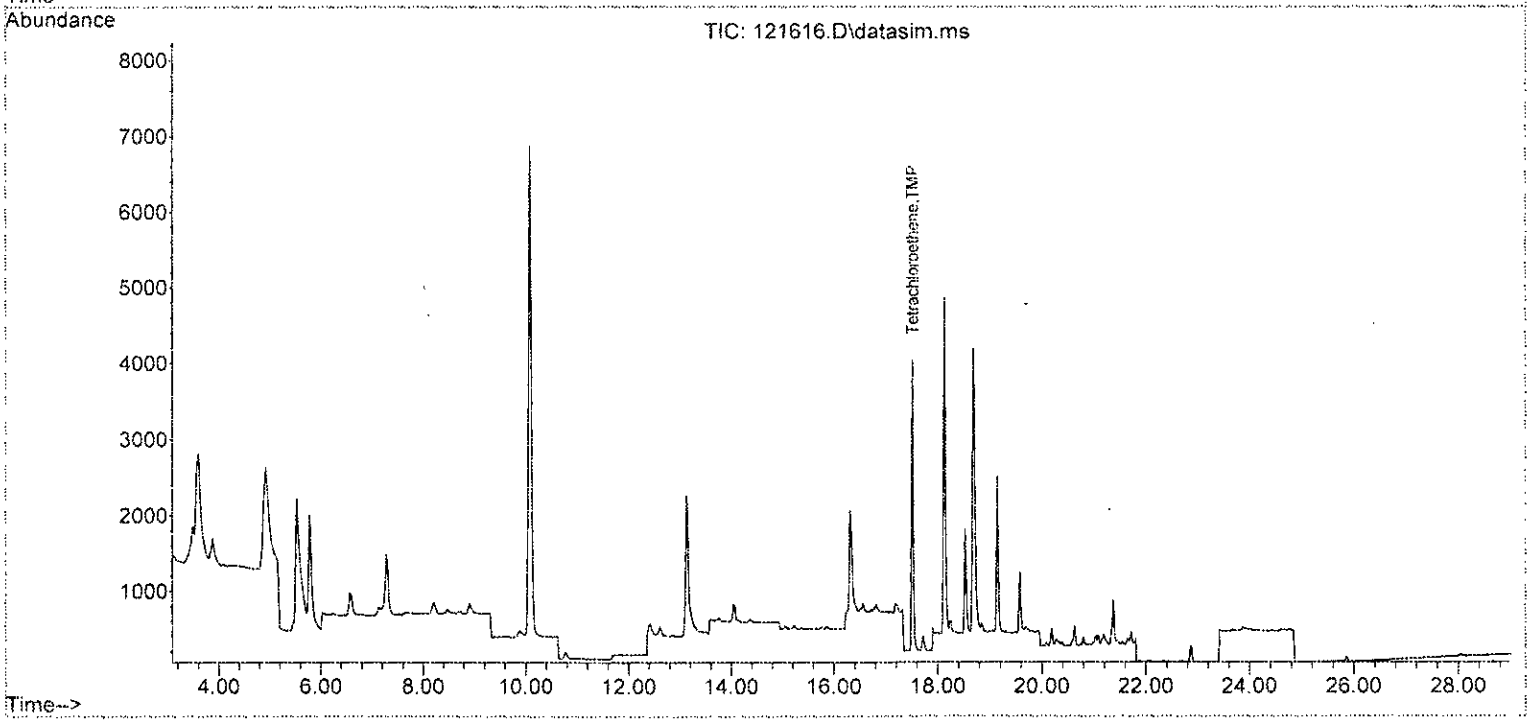
(#) = qualifier out of range (m) = manual integration (+) = signals summed

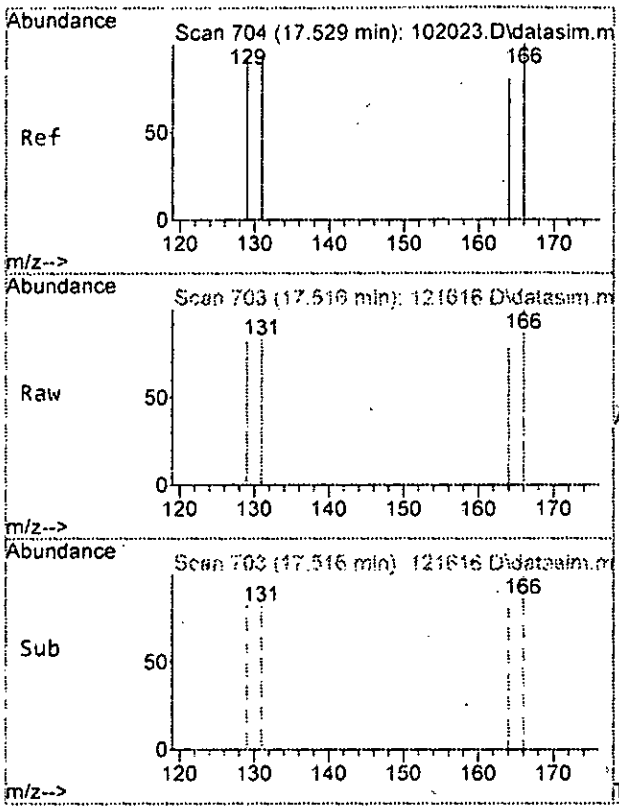
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



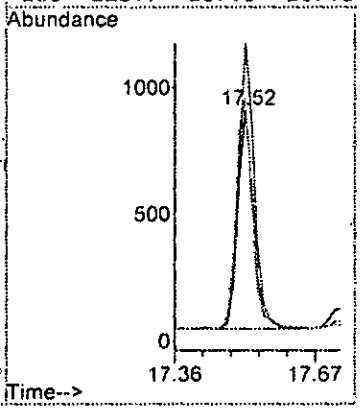




#53
Tetrachloroethene
Concen: 0.209 ppbv m
RT: 17.52 min Scan# 703
Delta R.T. 0.000 min
Lab File: 121616.D
Acq: 17 Dec 2022 12:55 am

Tgt Ion:164 Resp: 2009

Ion	Ratio	Lower	Upper
164	100		
129	106.5	63.2	123.2
131	106.5	70.7	130.7
166	128.7	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	49496	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196417	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178767	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106845	8.624	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.20%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	9.87	96	218	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
35) 1,1,1-Trichloroethane	11.69	97	120	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

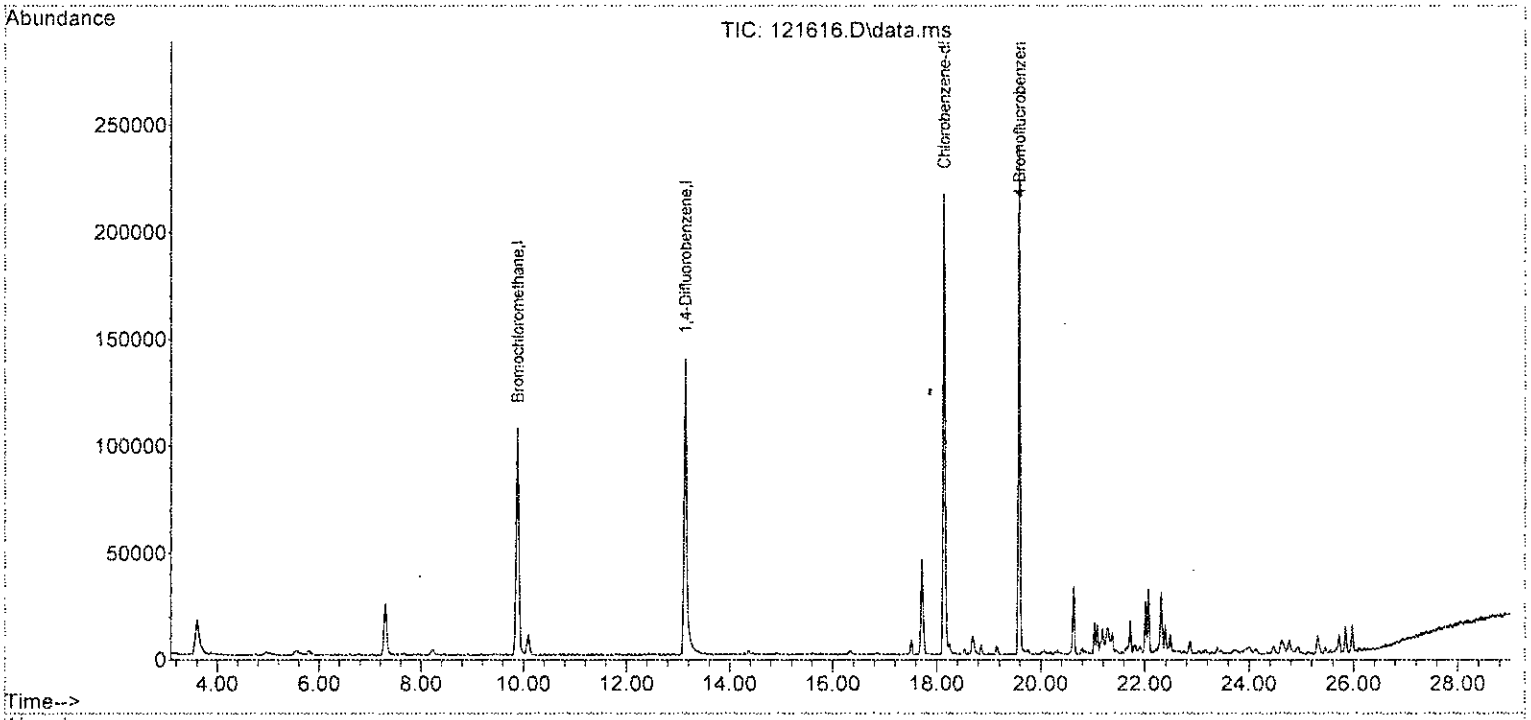
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.		
45) Bromodichloromethane	0.00		0	N.D.	d	
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.52	164	2009m	0.209	ppbv	
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

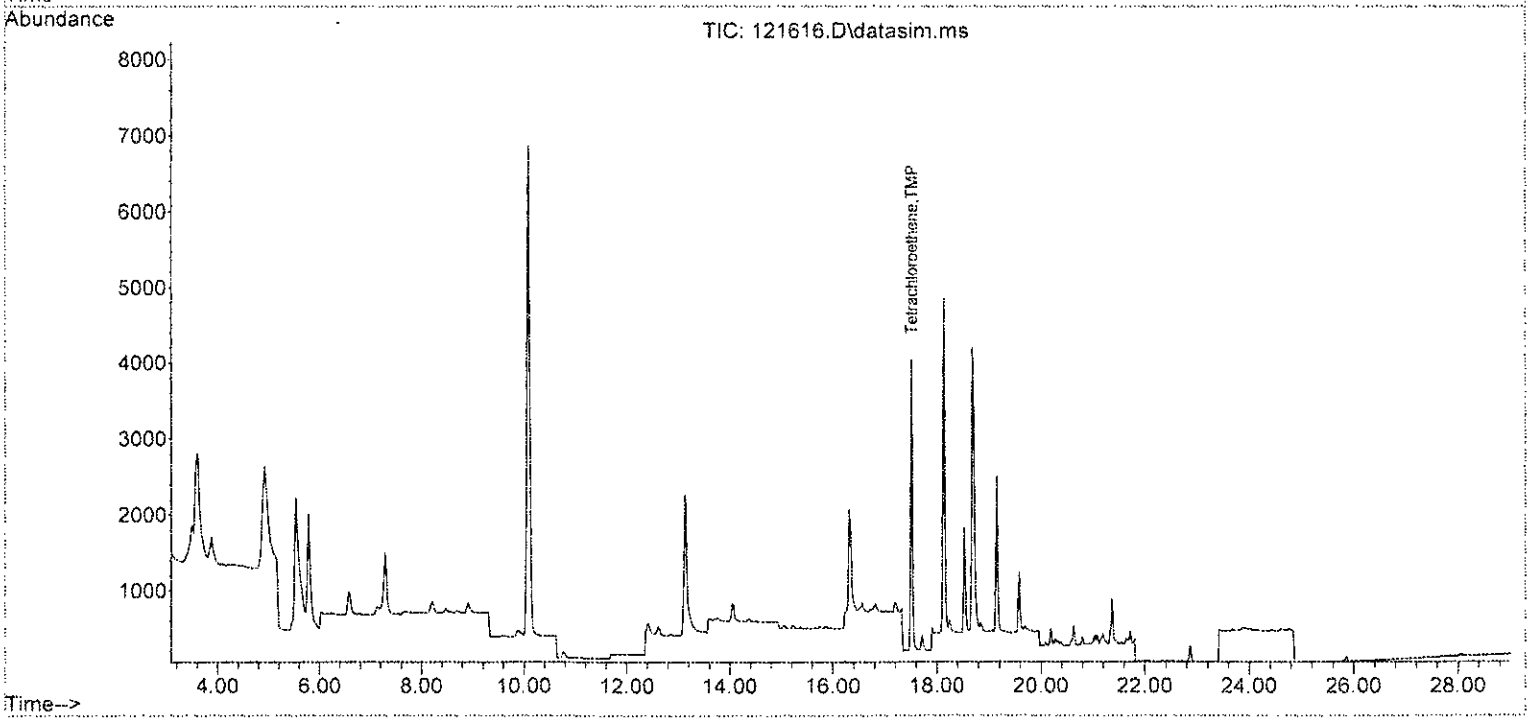
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121616.D
Acq On : 17 Dec 2022 12:55 am
Operator : bat
Sample : 212177-01 1/5.0
Misc : T6
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:37 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

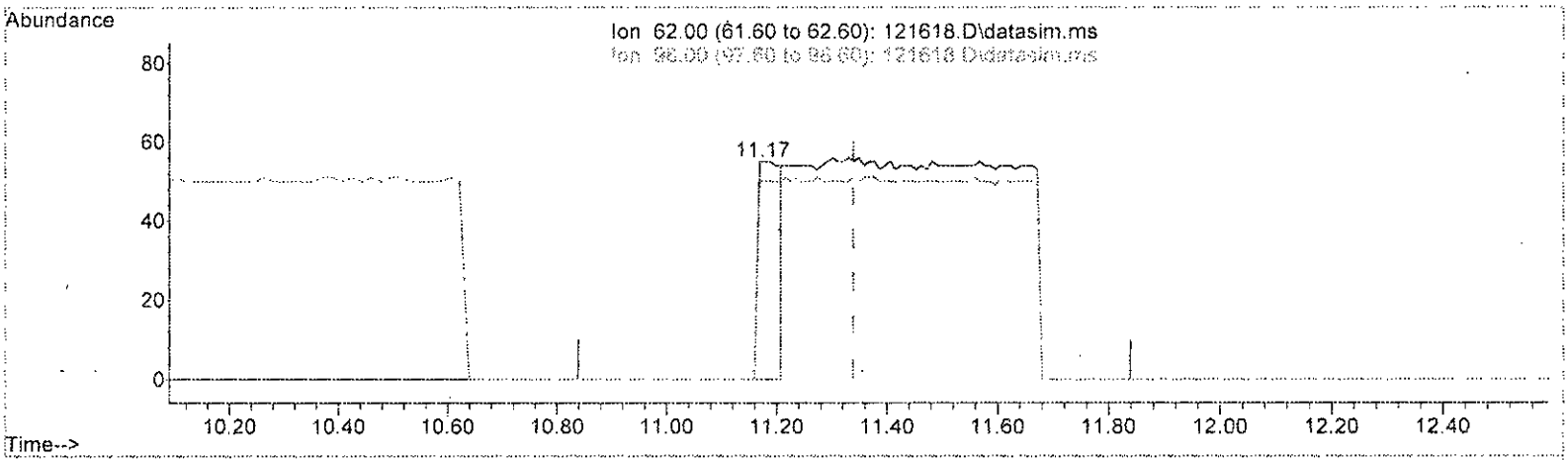


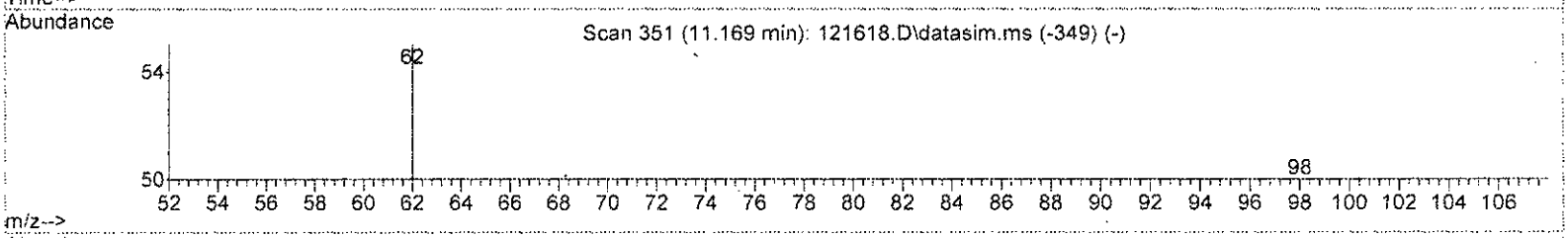


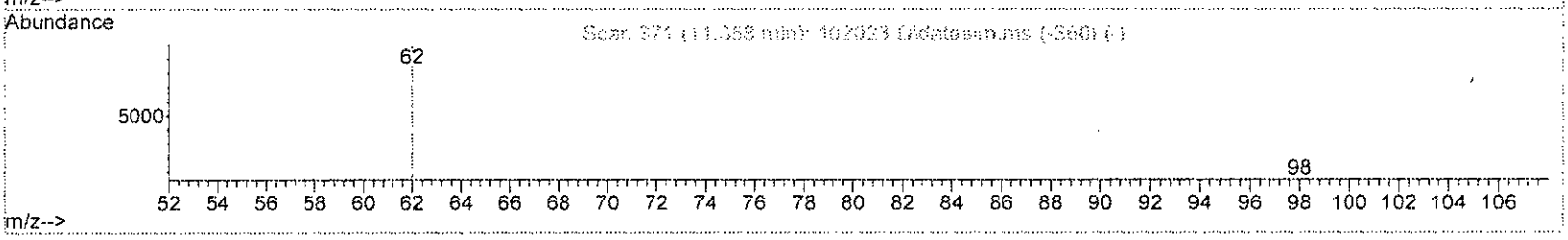
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121618.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.169min (-0.170) 0.008 ppbv

response 155

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	90.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

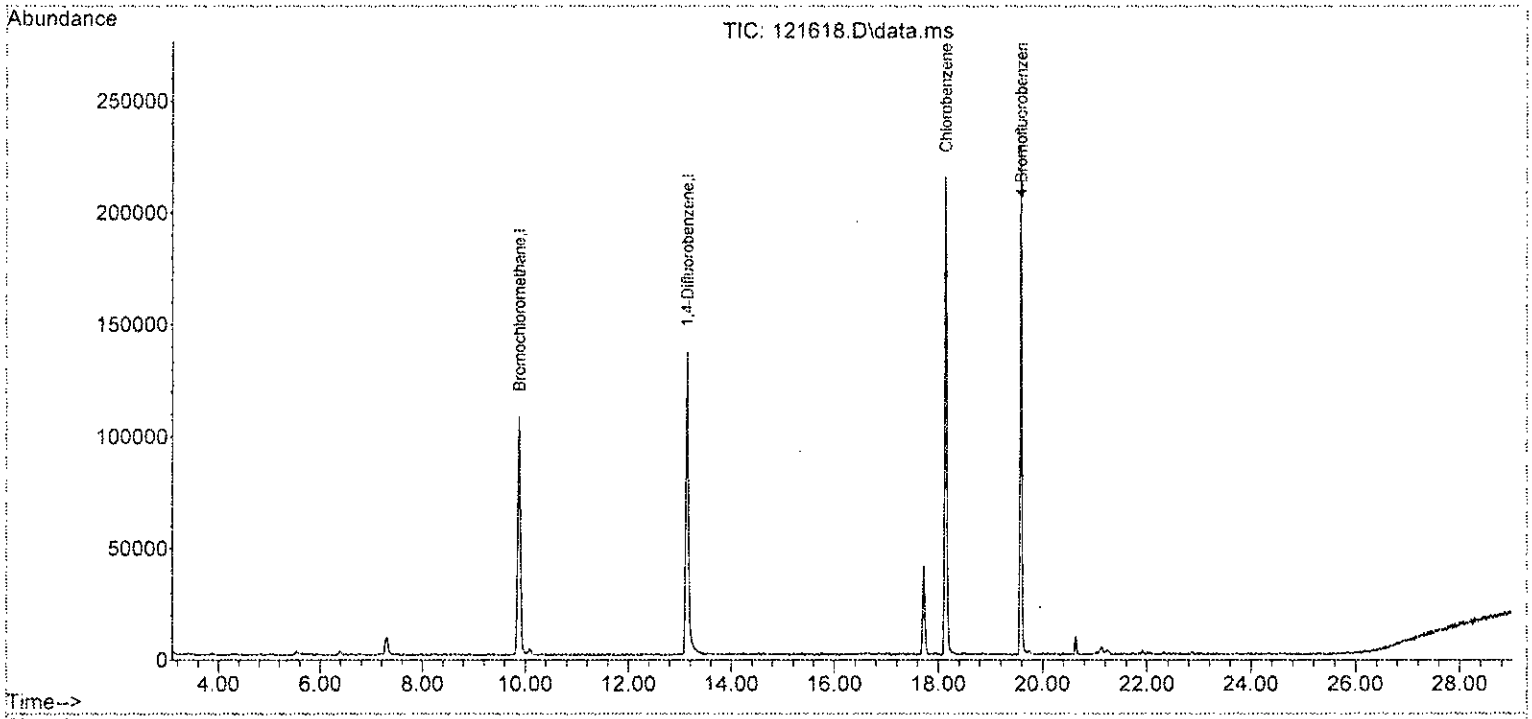
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51670	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196572	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	182484	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	108092	8.547	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.50%			
Target Compounds						Qvalue

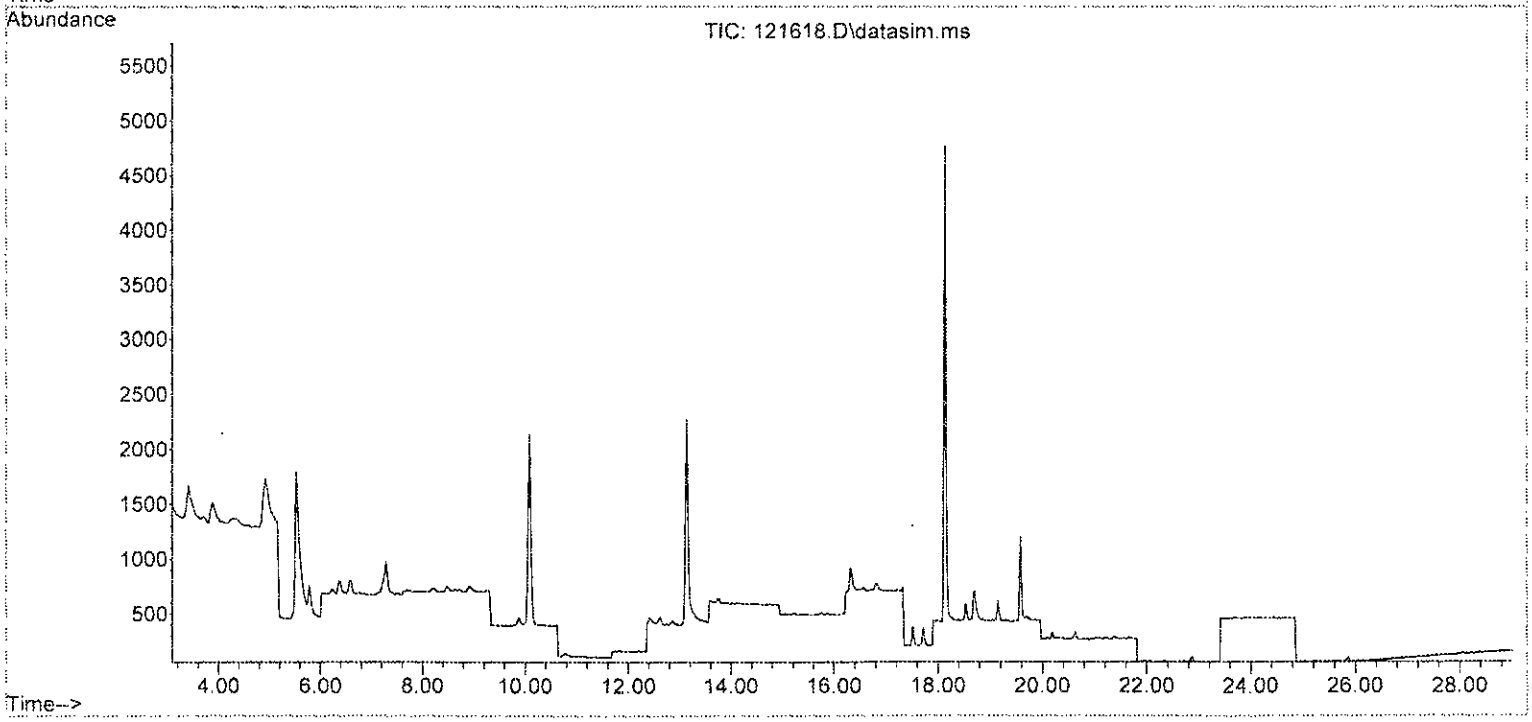
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	51670	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	196572	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	182484	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	108092	8.547	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.50%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.		
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.		
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.		
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	9.87	96	240	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.71	97	307	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

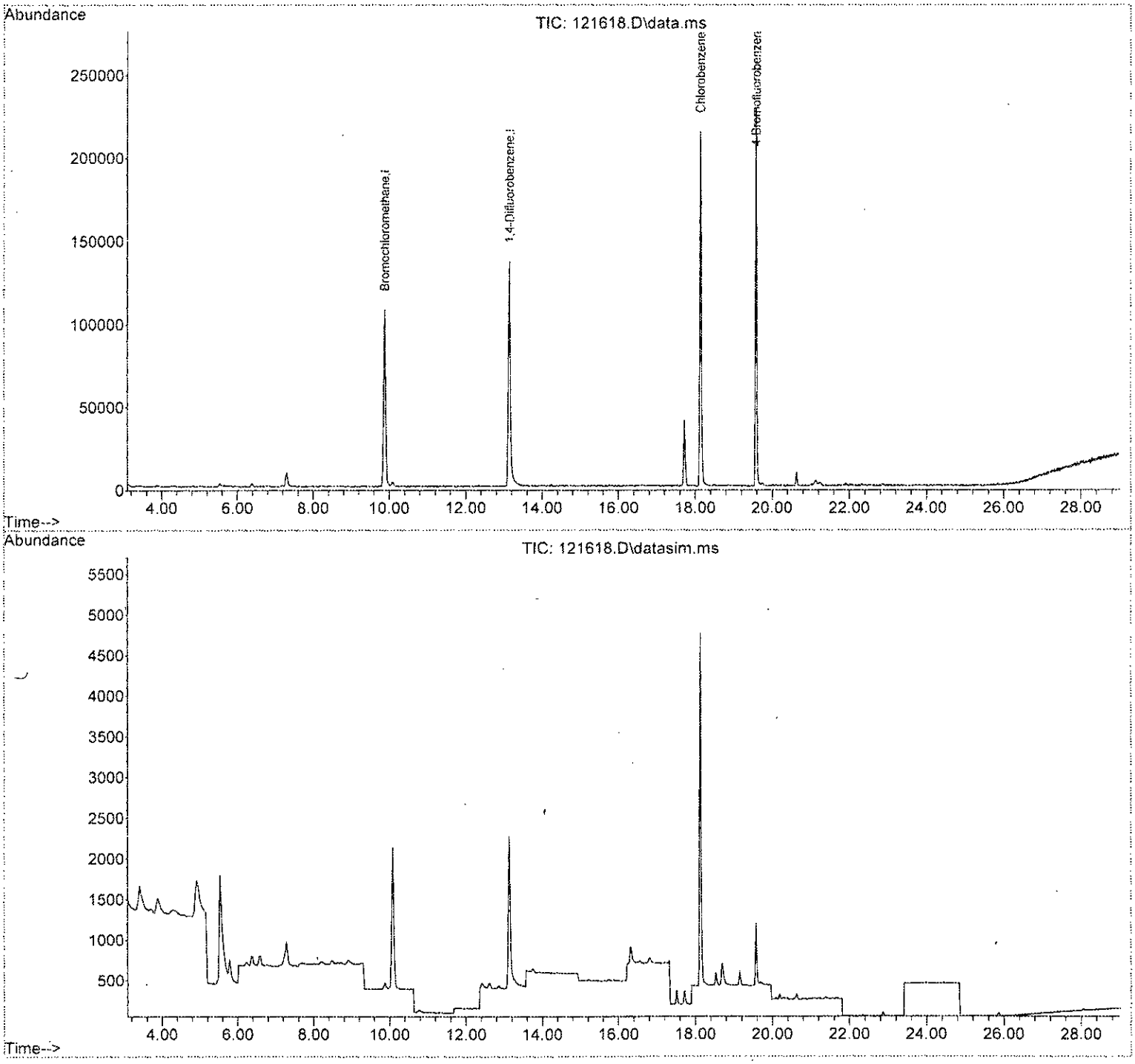
Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.		
44) Heptane	0.00		0	N.D.		
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.		
53) Tetrachloroethene	17.35	164	273	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.		
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121618.D
Acq On : 17 Dec 2022 2:05 am
Operator : bat
Sample : 212177-02 1/56
Misc : T8
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

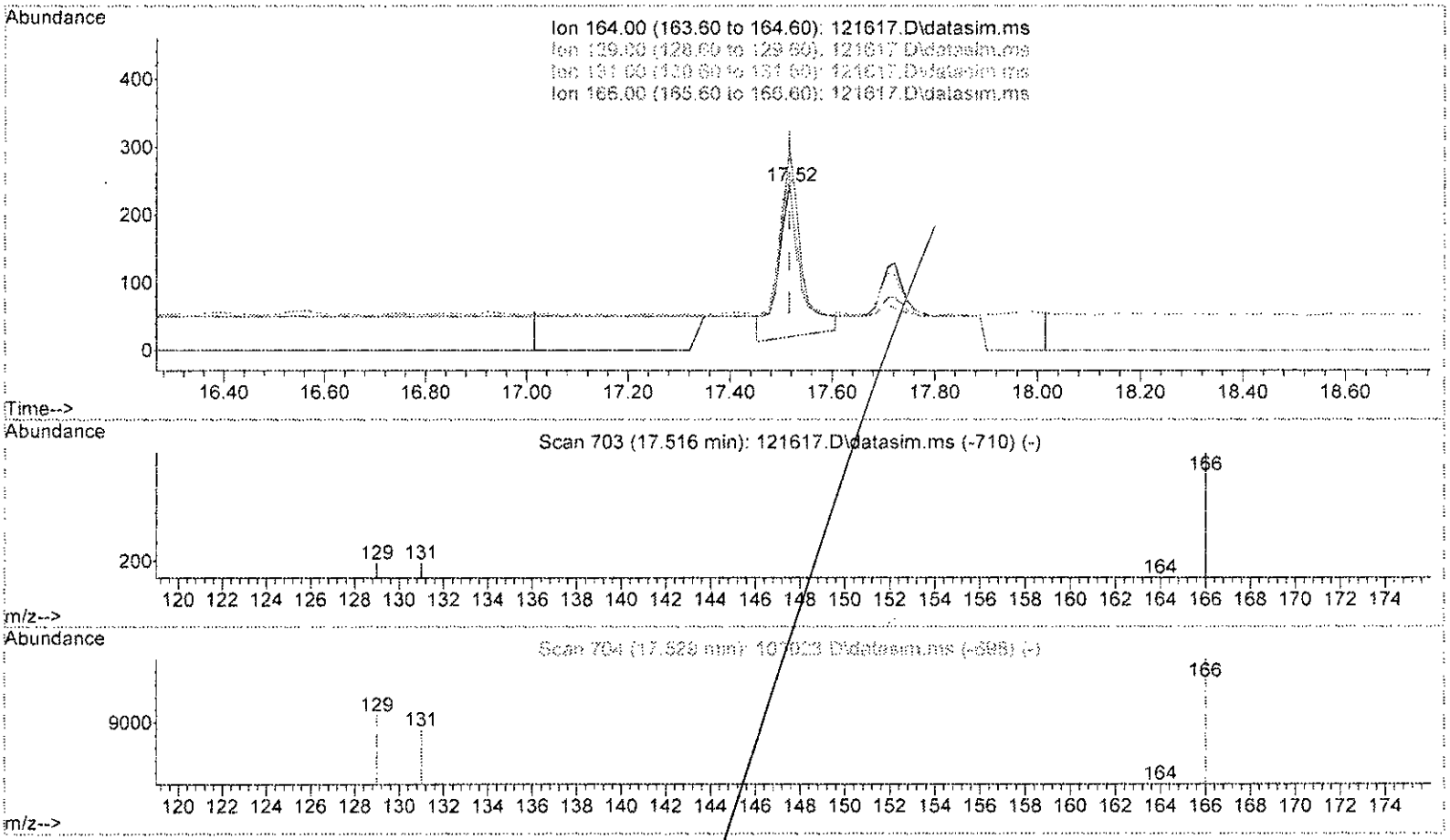
Quant Time: Dec 18 15:28:43 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121617.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (-0.000) 0.072 ppbv

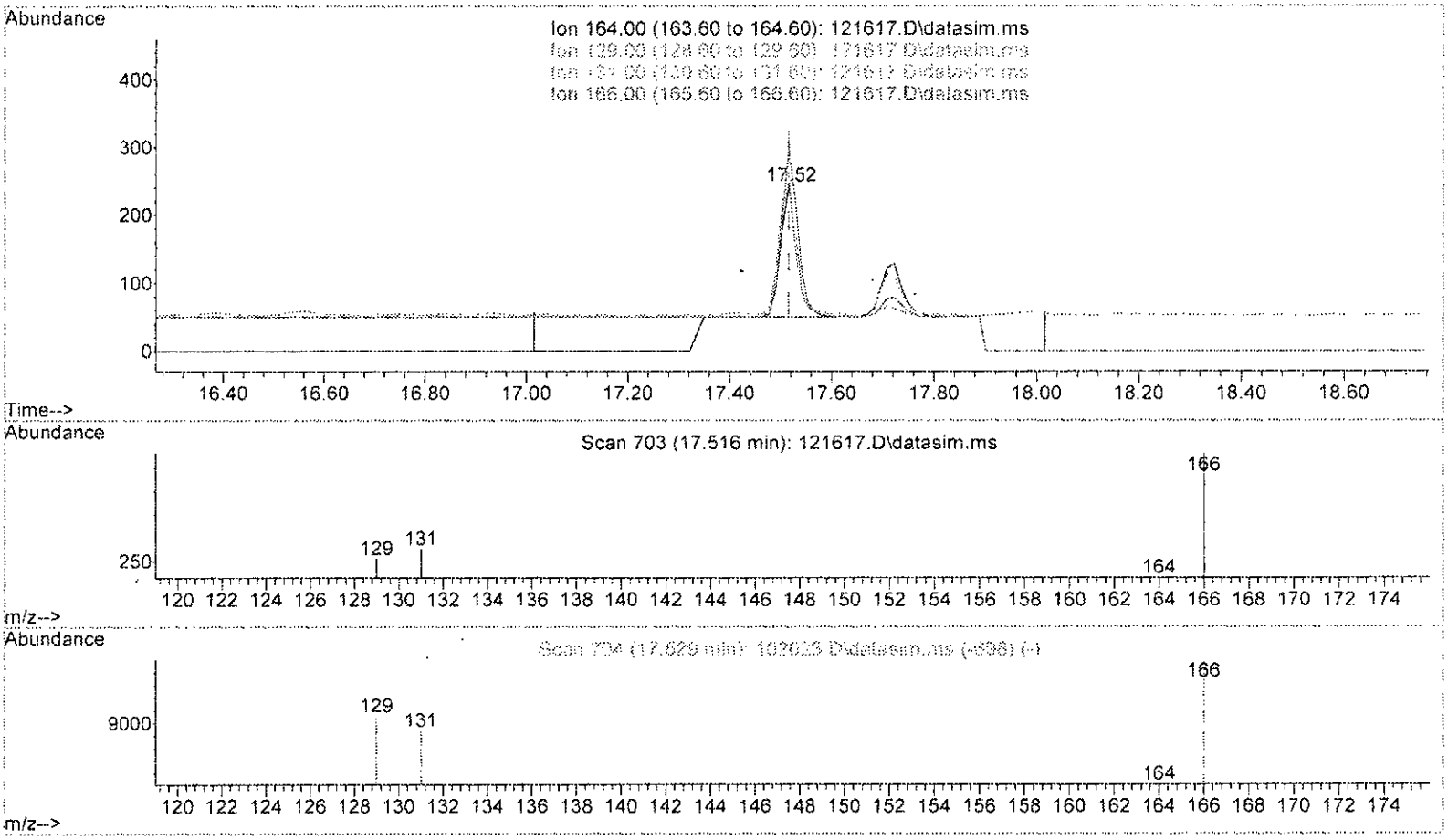
response 697

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	103.63
131.00	100.70	104.15
166.00	137.50	126.94

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121617.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (-0.000) 0.045 ppbv m

response 433

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	103.29
131.00	100.70	104.94
166.00	137.50	121.81

12/21/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

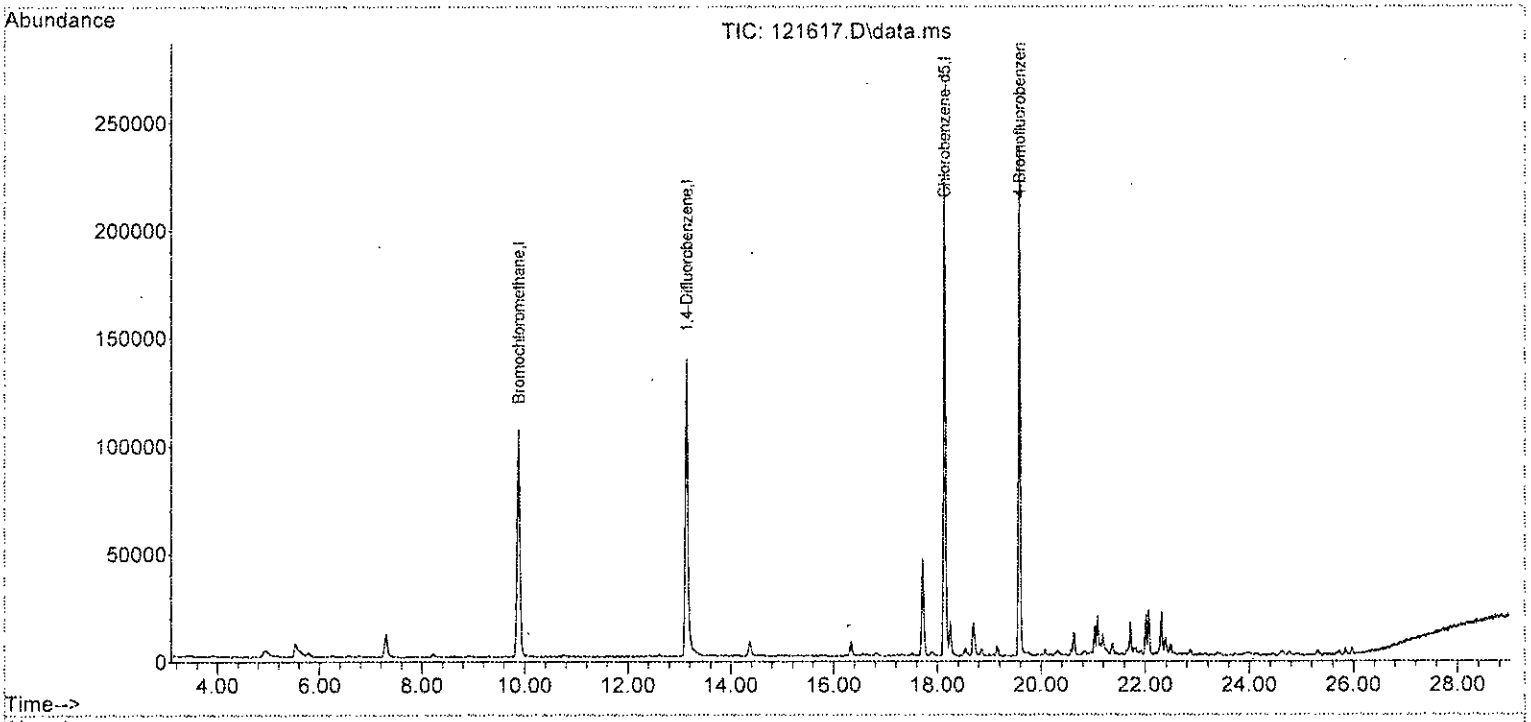
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	50105	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	198061	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178253	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	108278	8.765	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.70%			
Target Compounds						Qvalue

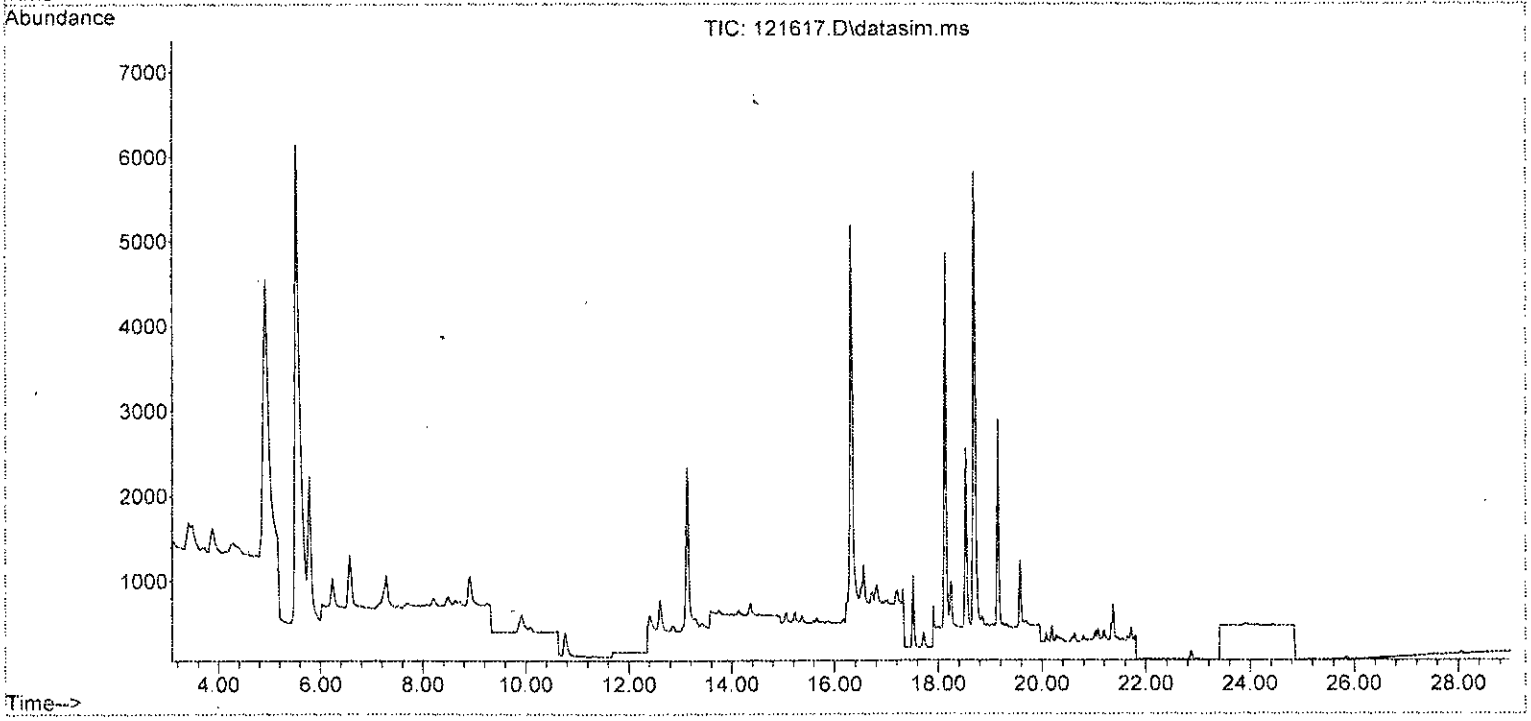
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.88	128	50105	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.14	114	198061	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178253	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	108278	8.765	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.70%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.		
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	9.87	96	254	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

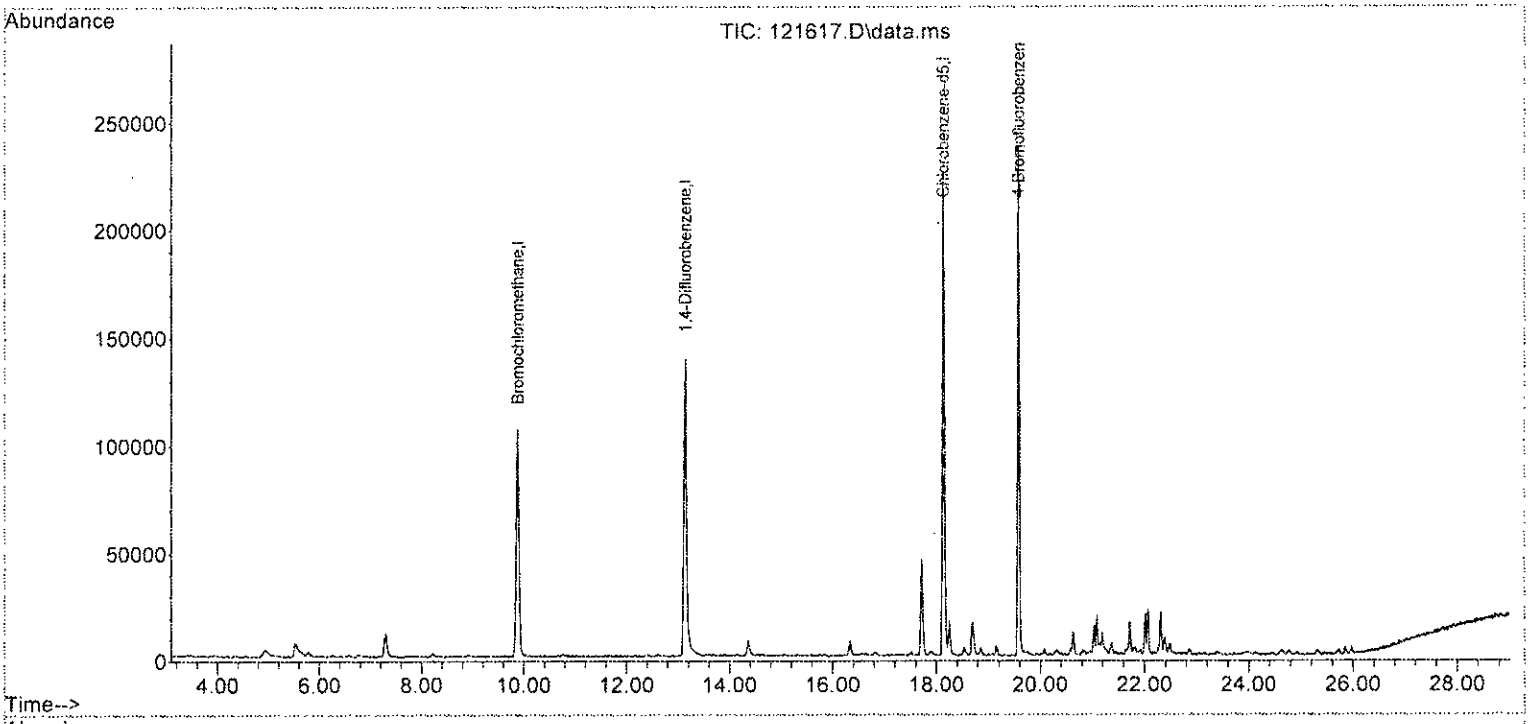
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	17.52	164	433	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

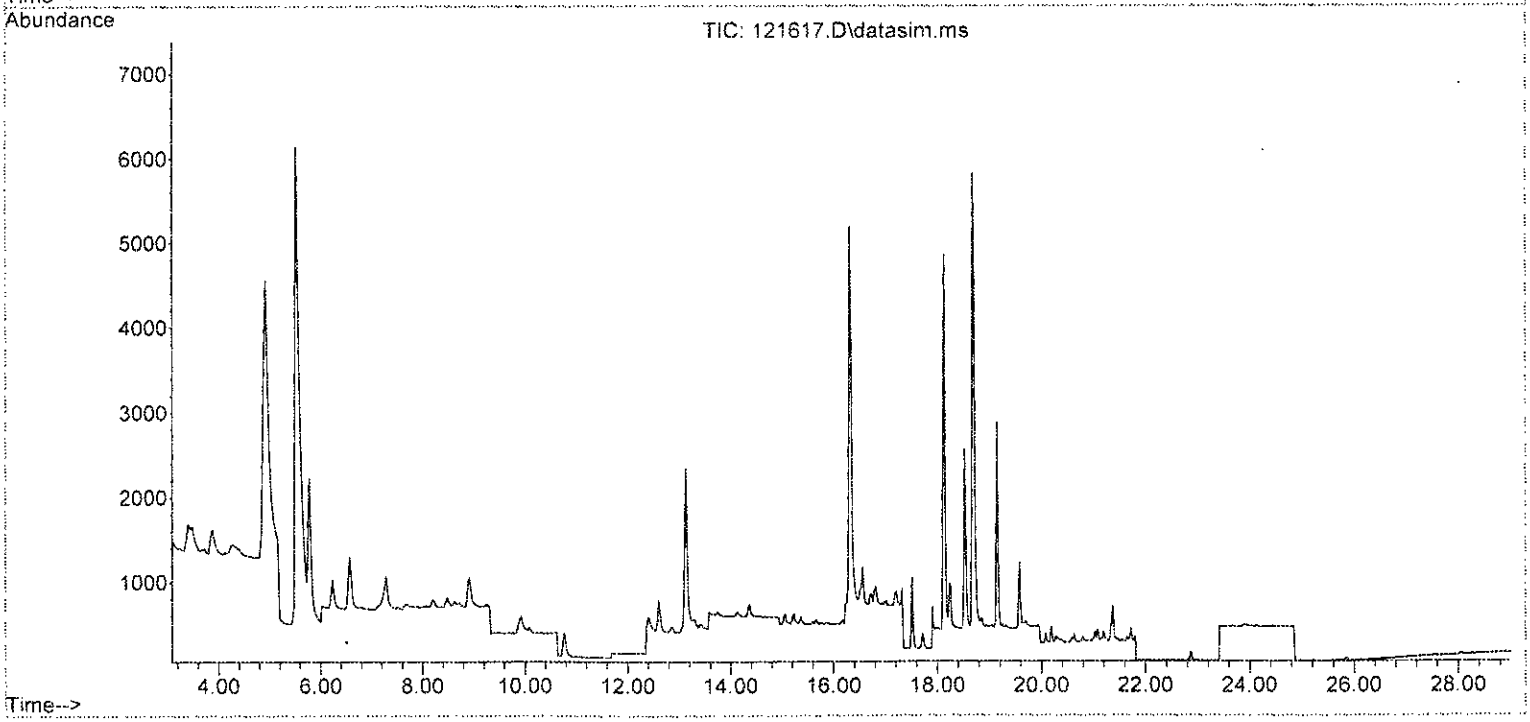
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121617.D
Acq On : 17 Dec 2022 1:30 am
Operator : bat
Sample : 212177-03 1/11
Misc : T7
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:40 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

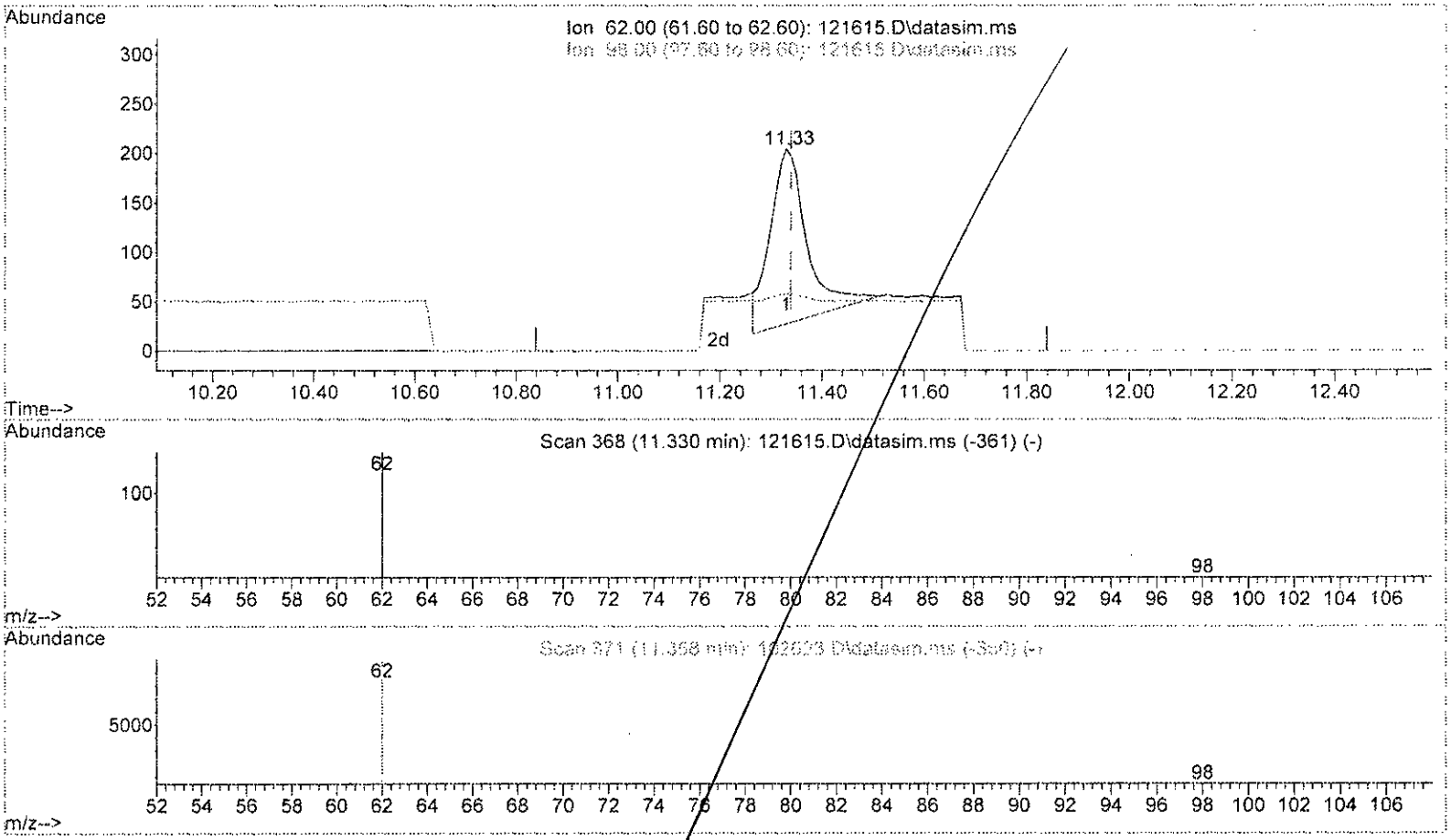




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121615.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.330min (-0.009) 0.068 ppbv
response 887

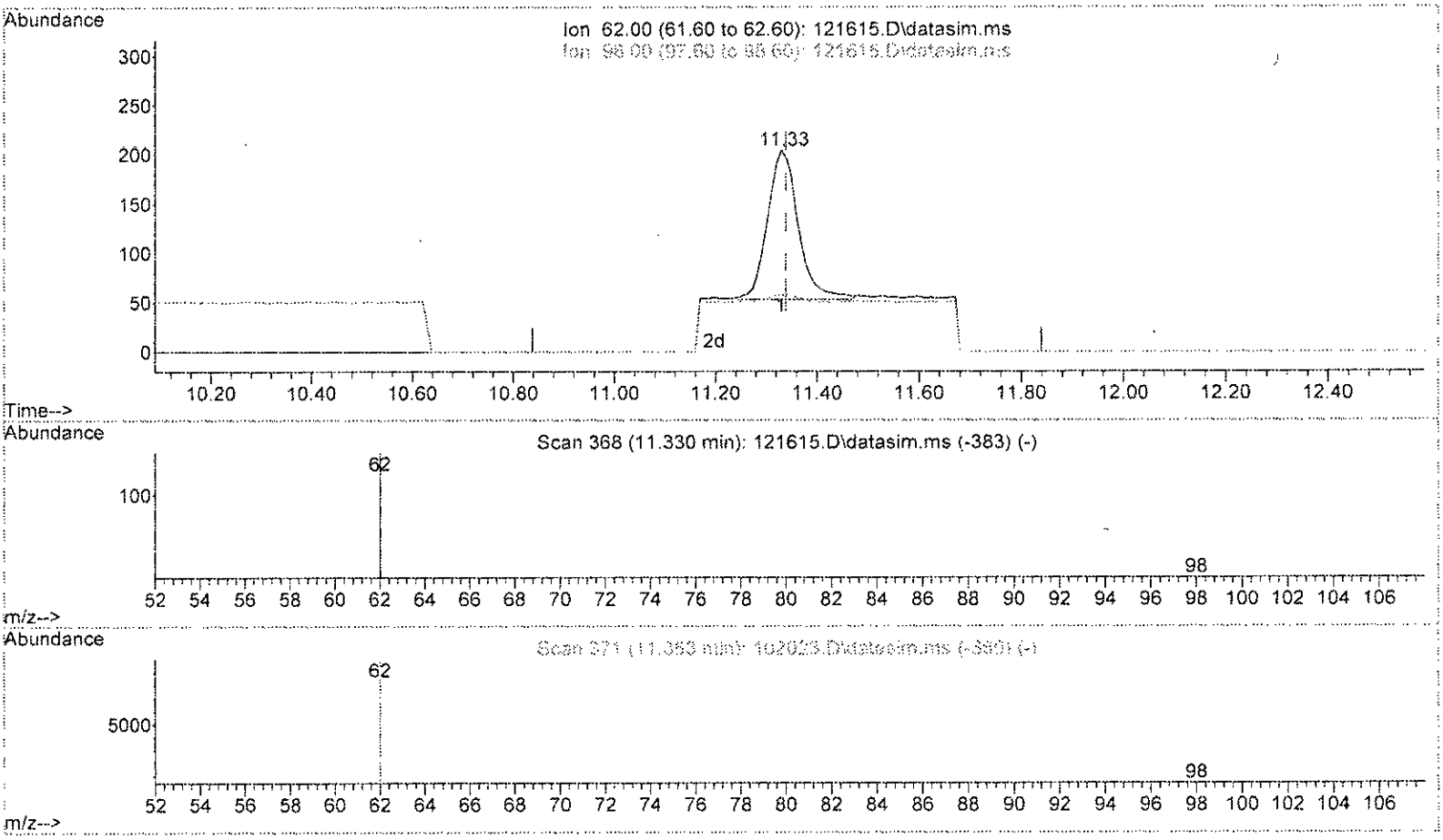
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.03
0.00	0.00	0.00
0.00	0.00	0.00

12/21/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121615.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.330min (-0.009) 0.047 ppbv m

response 635

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	27.94
0.00	0.00	0.00
0.00	0.00	0.00

12/21/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

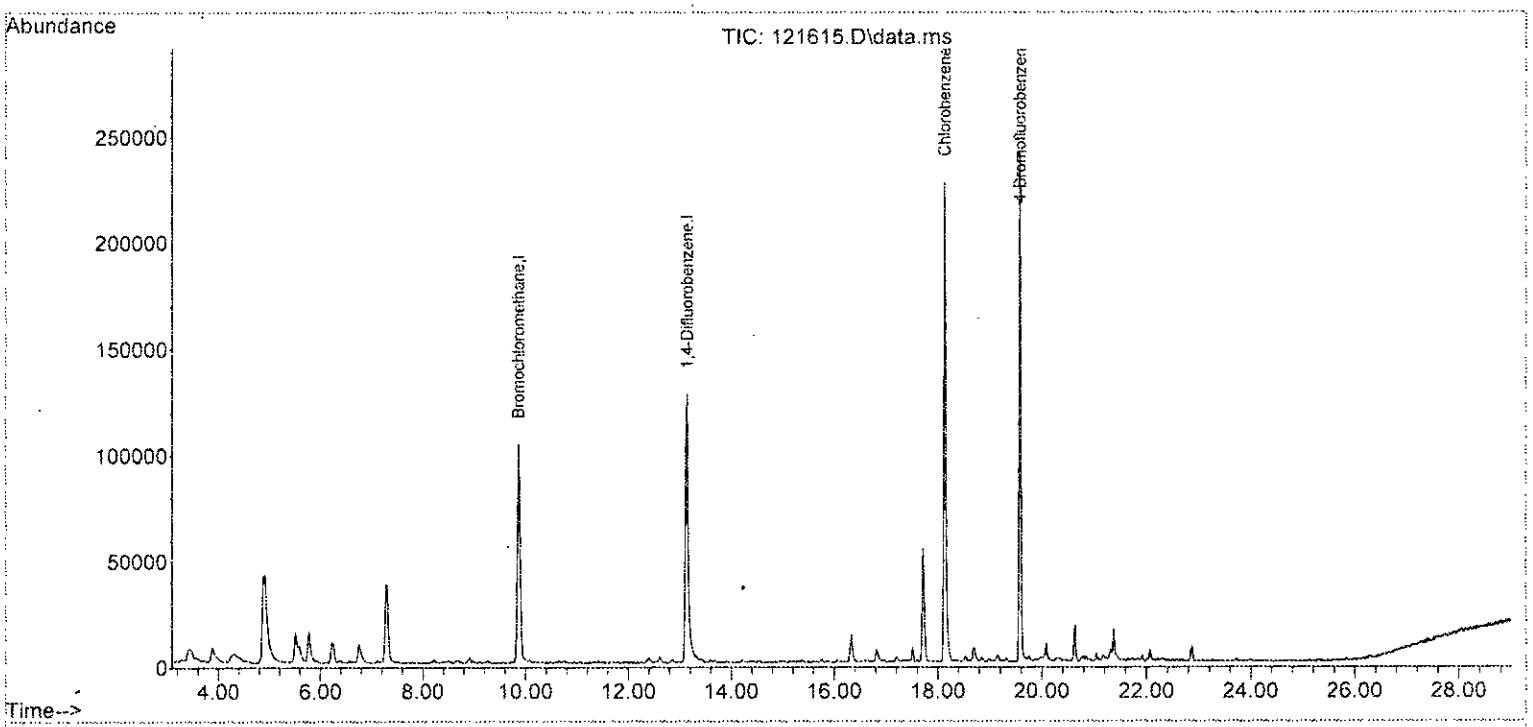
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47825	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	187147	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	183230	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106611	8.396	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.33	62	635m	0.047	ppbv	
53] Tetrachloroethene	17.52	164	1585	0.173	ppbv	93

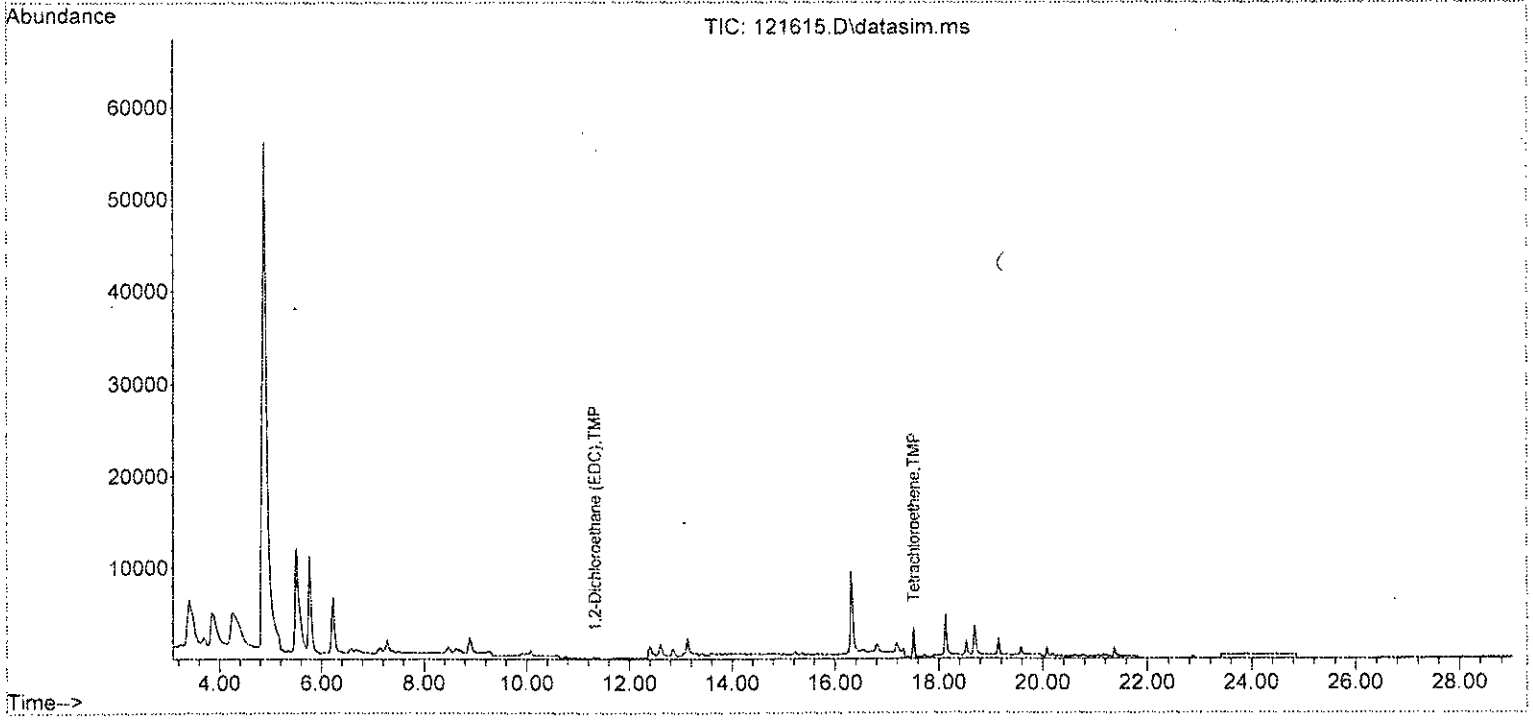
(#) = qualifier out of range (m) = manual integration (+) = signals summed

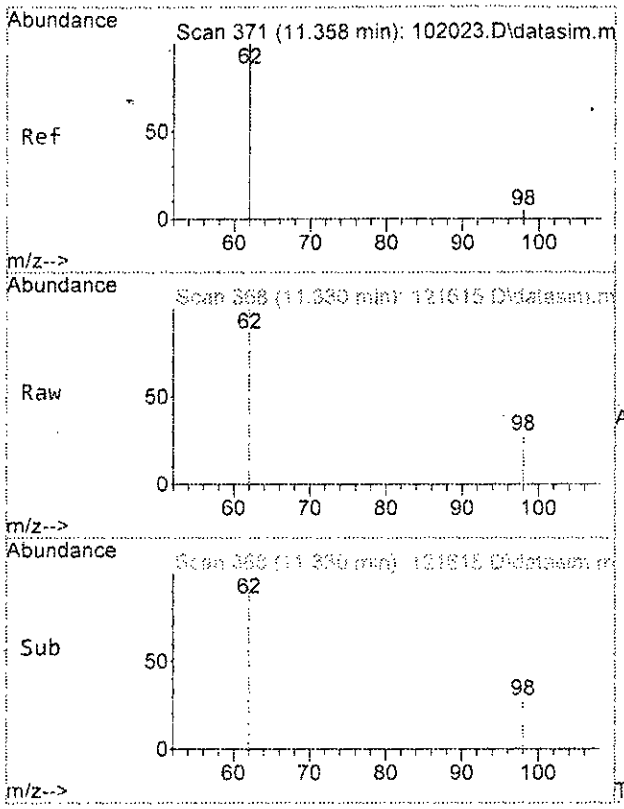
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



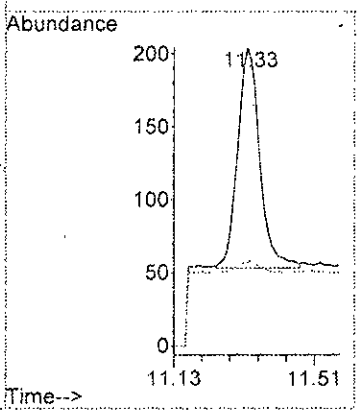


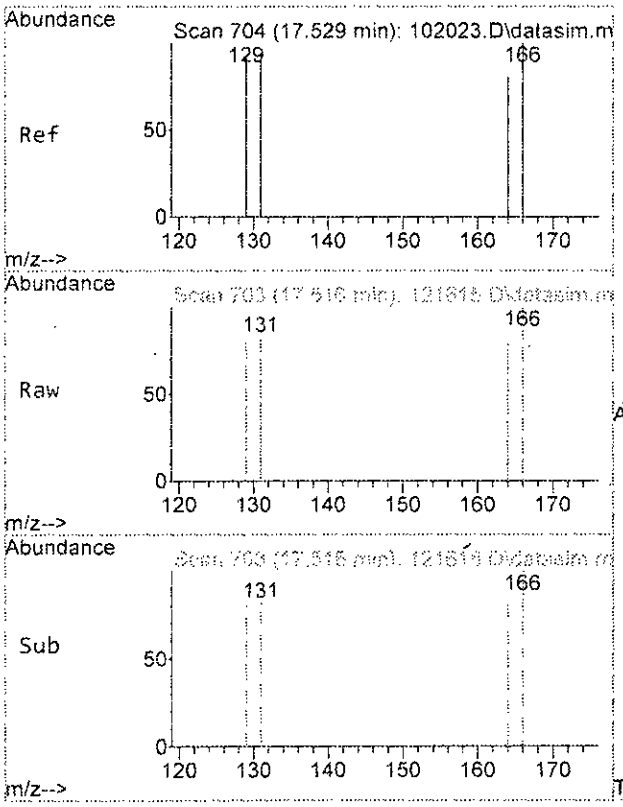


#34
1,2-Dichloroethane (EDC)
Concen: 0.047 ppbv m
RT: 11.33 min Scan# 368
Delta R.T. -0.009 min
Lab File: 121615.D
Acq: 17 Dec 2022 12:19 am

Tgt Ion: 62 Resp: 635

Ion	Ratio	Lower	Upper
62	100		
98	27.9	0.0	35.3

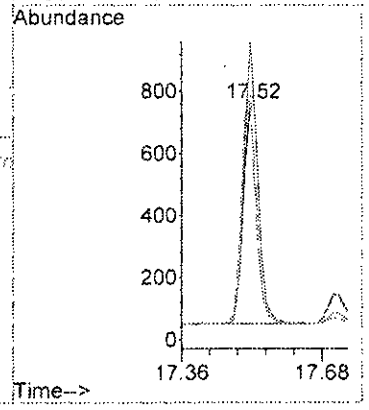




#53
Tetrachloroethene
Concen: 0.173 ppbv
RT: 17.52 min Scan# 703
Delta R.T. 0.000 min
Lab File: 121615.D
Acq: 17 Dec 2022 12:19 am

Tgt Ion:164 Resp: 1585

Ion	Ratio	Lower	Upper
164	100		
129	102.7	63.2	123.2
131	105.4	70.7	130.7
166	128.3	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47825	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	187147	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	183230	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106611	8.396	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.00%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.33	62	635m	0.047	ppbv	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

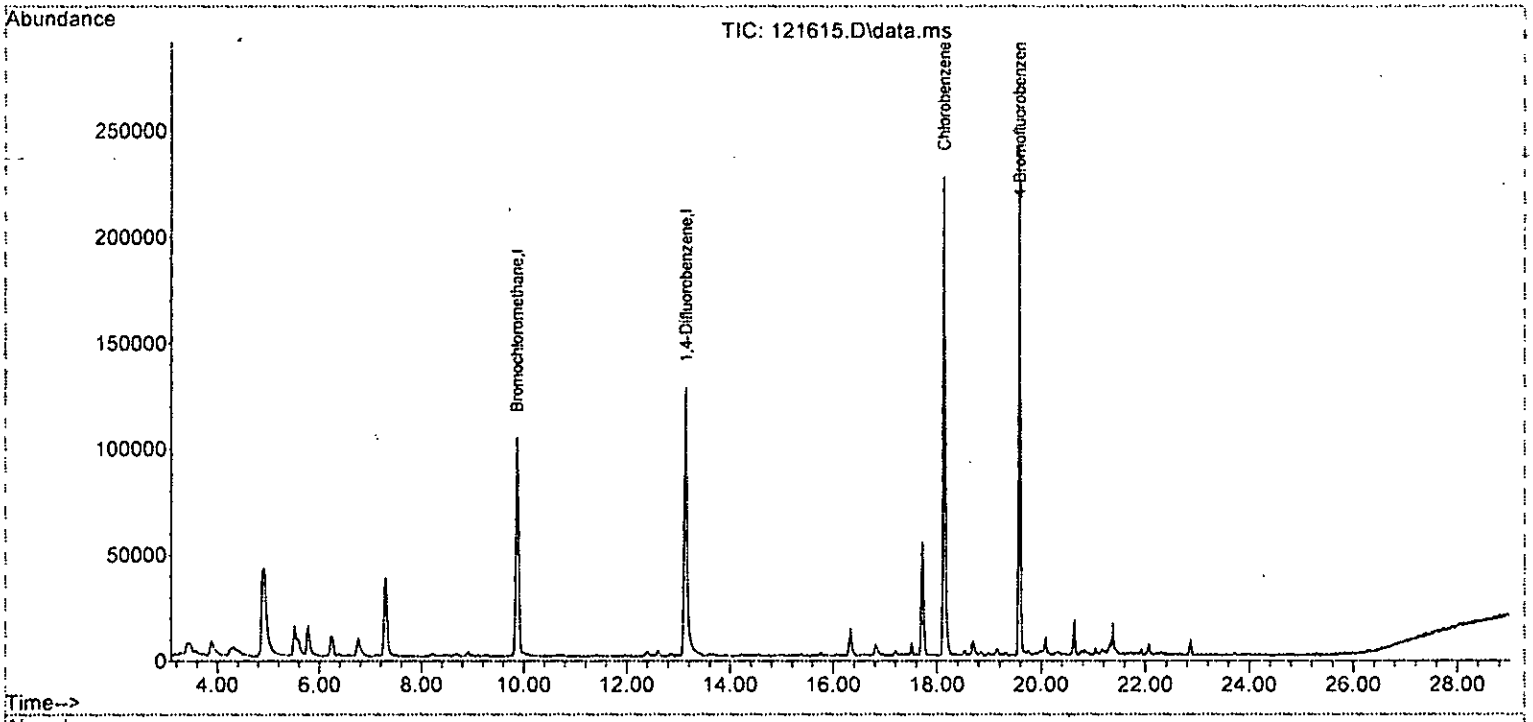
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.52	164	1585	0.173	ppbv	93
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

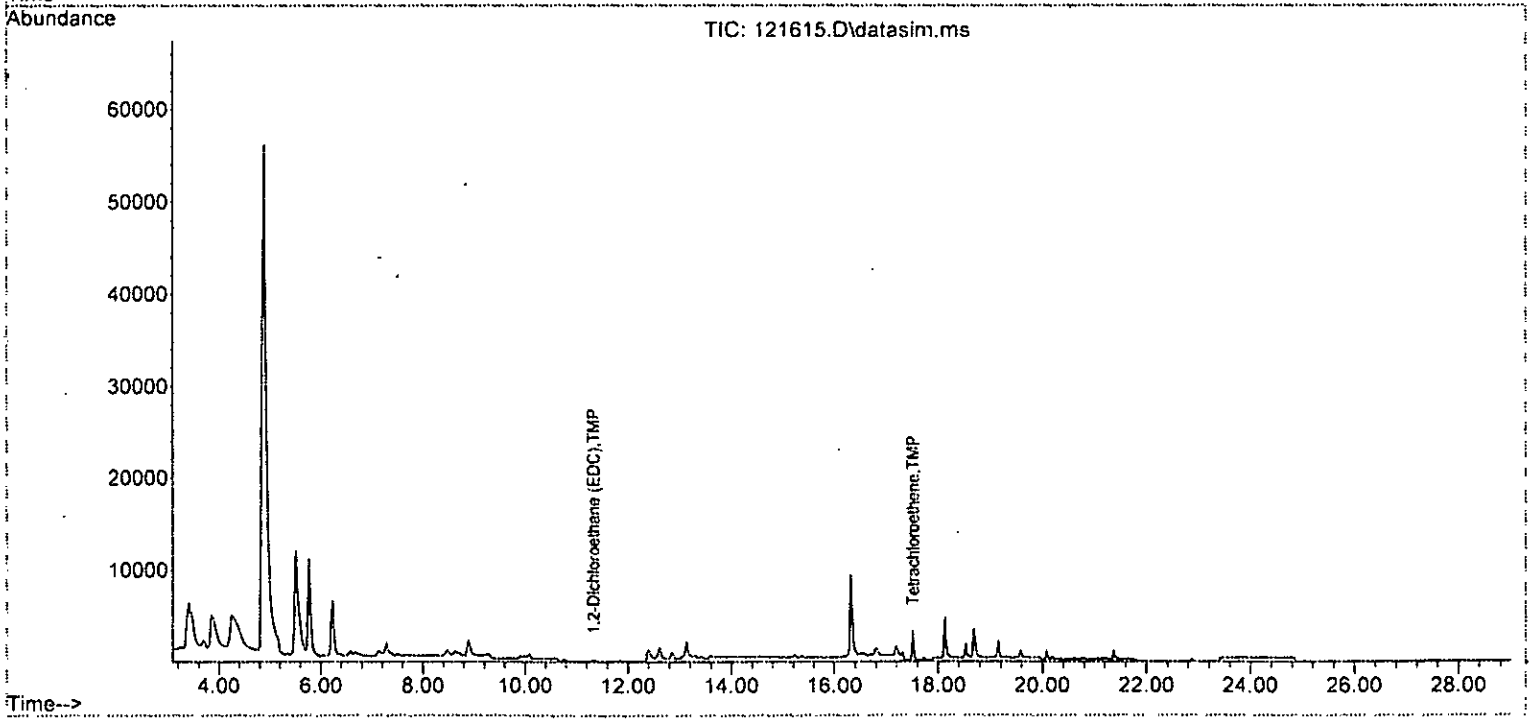
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121615.D
Acq On : 17 Dec 2022 12:19 am
Operator : bat
Sample : 212177-04
Misc : T5
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:34 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

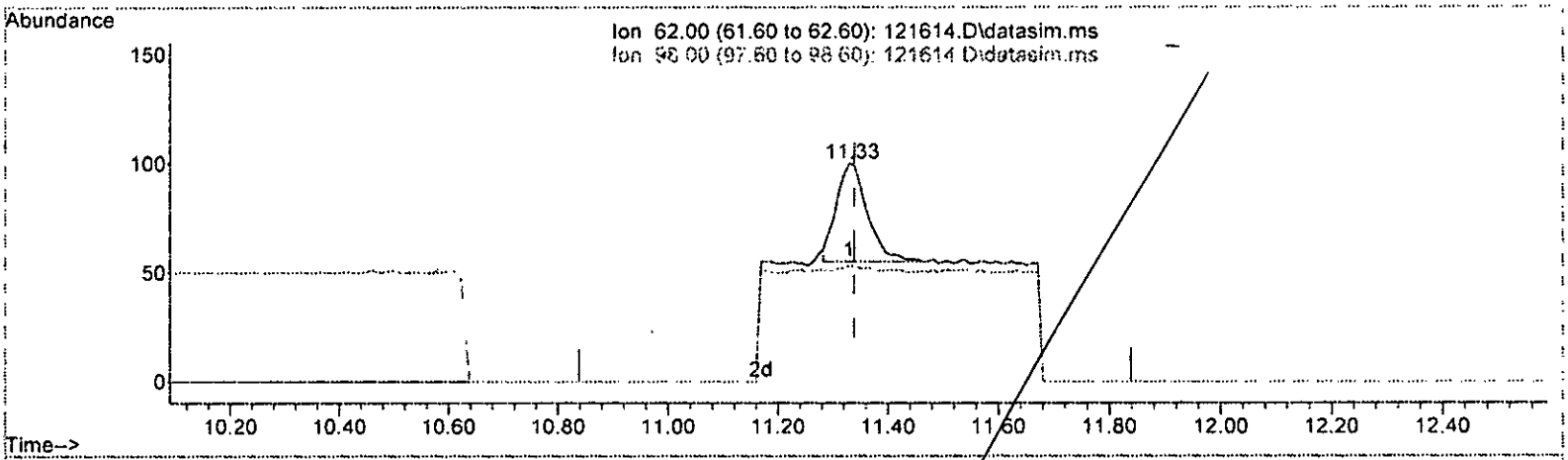


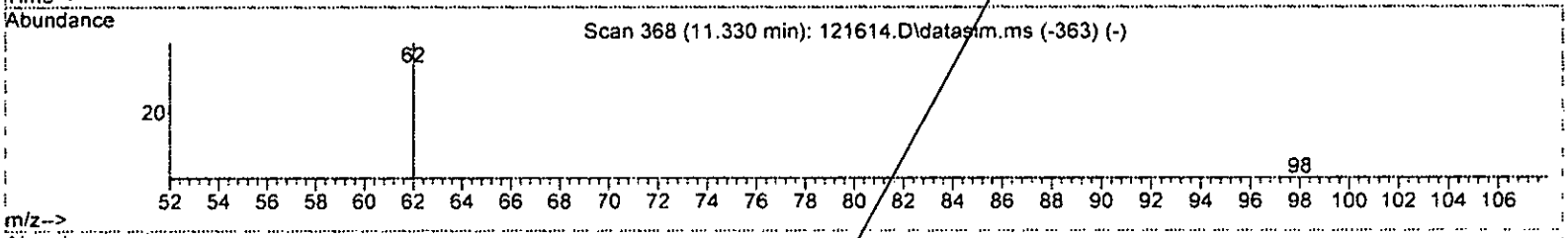


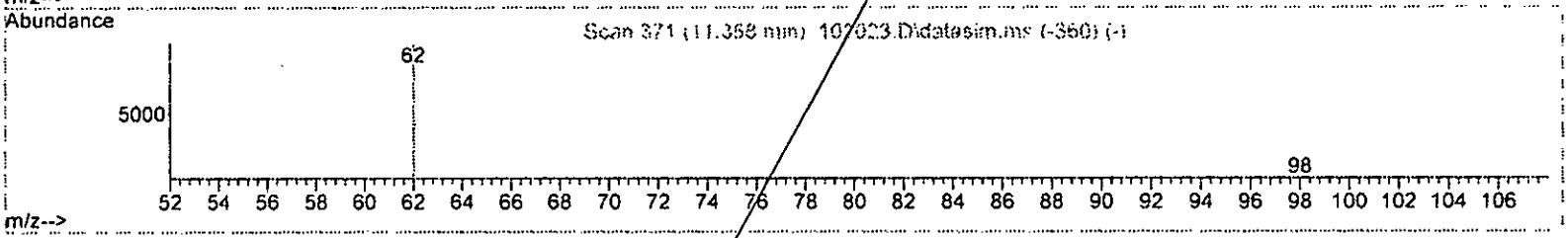
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121614.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.330min (-0.009) 0.010 ppbv
response 176

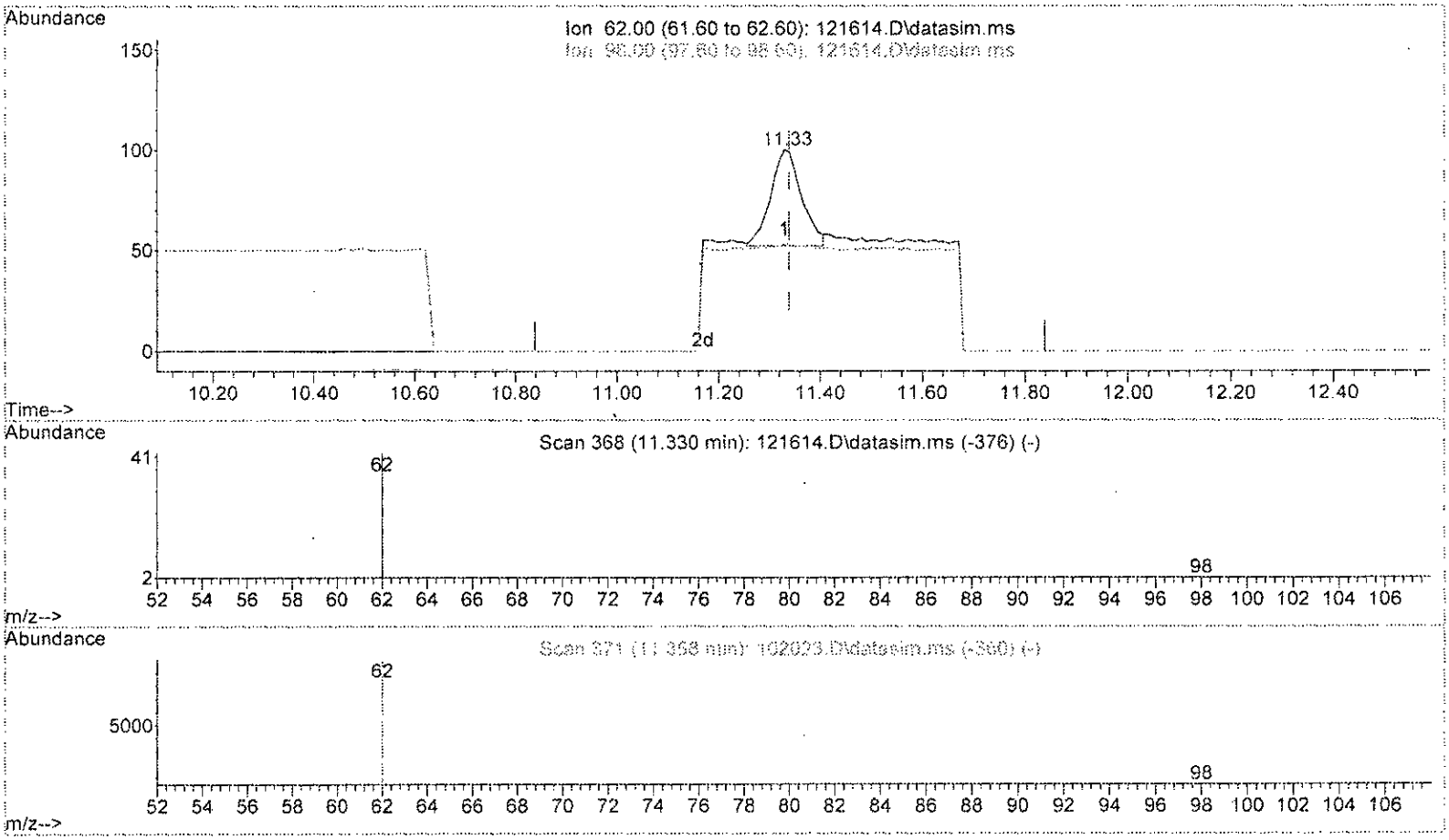
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.67
0.00	0.00	0.00
0.00	0.00	0.00

12/21/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121614.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.330min (-0.009) 0.013 ppbv m

response 204

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	53.00#
0.00	0.00	0.00
0.00	0.00	0.00

12/21/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

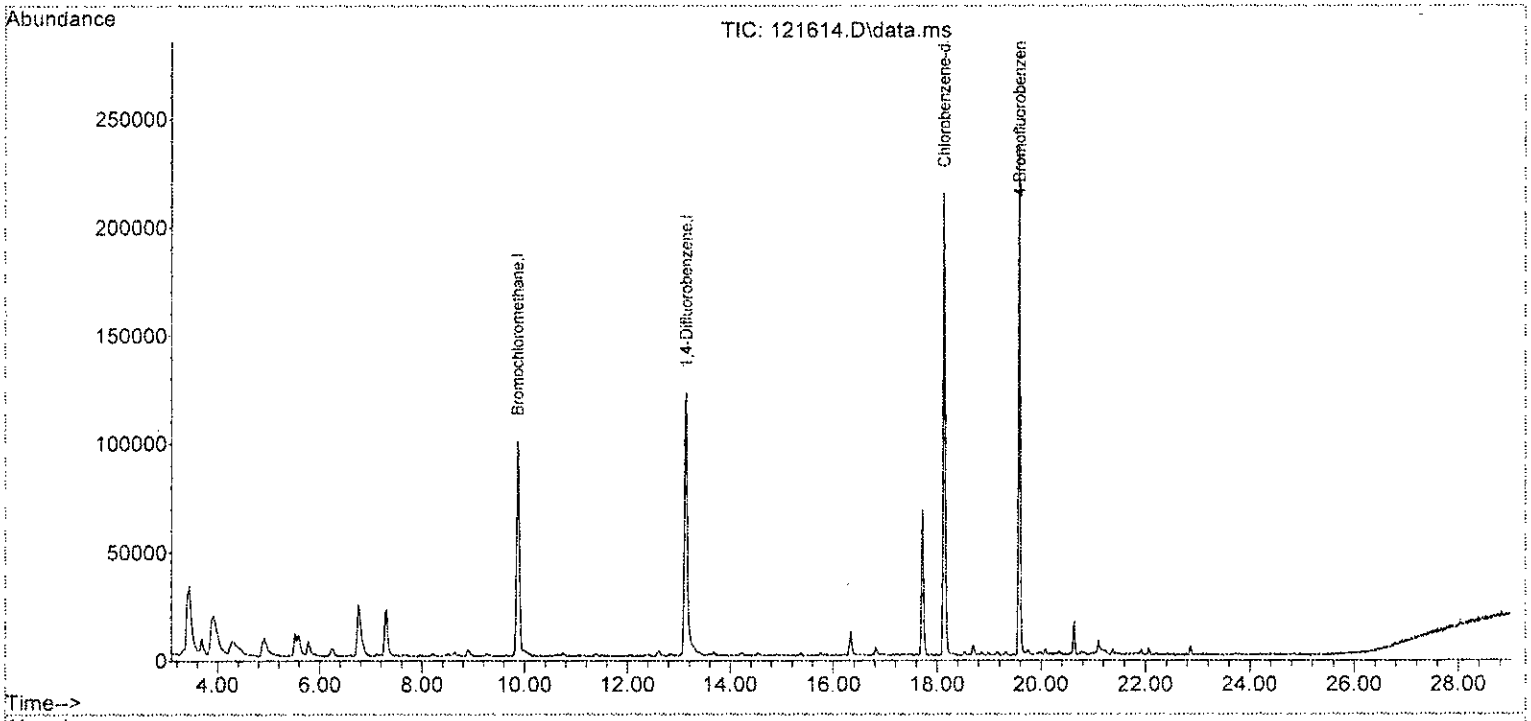
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47906	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	185442	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178237	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106505	8.622	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.20%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.33	62	204m	0.013	ppbv	

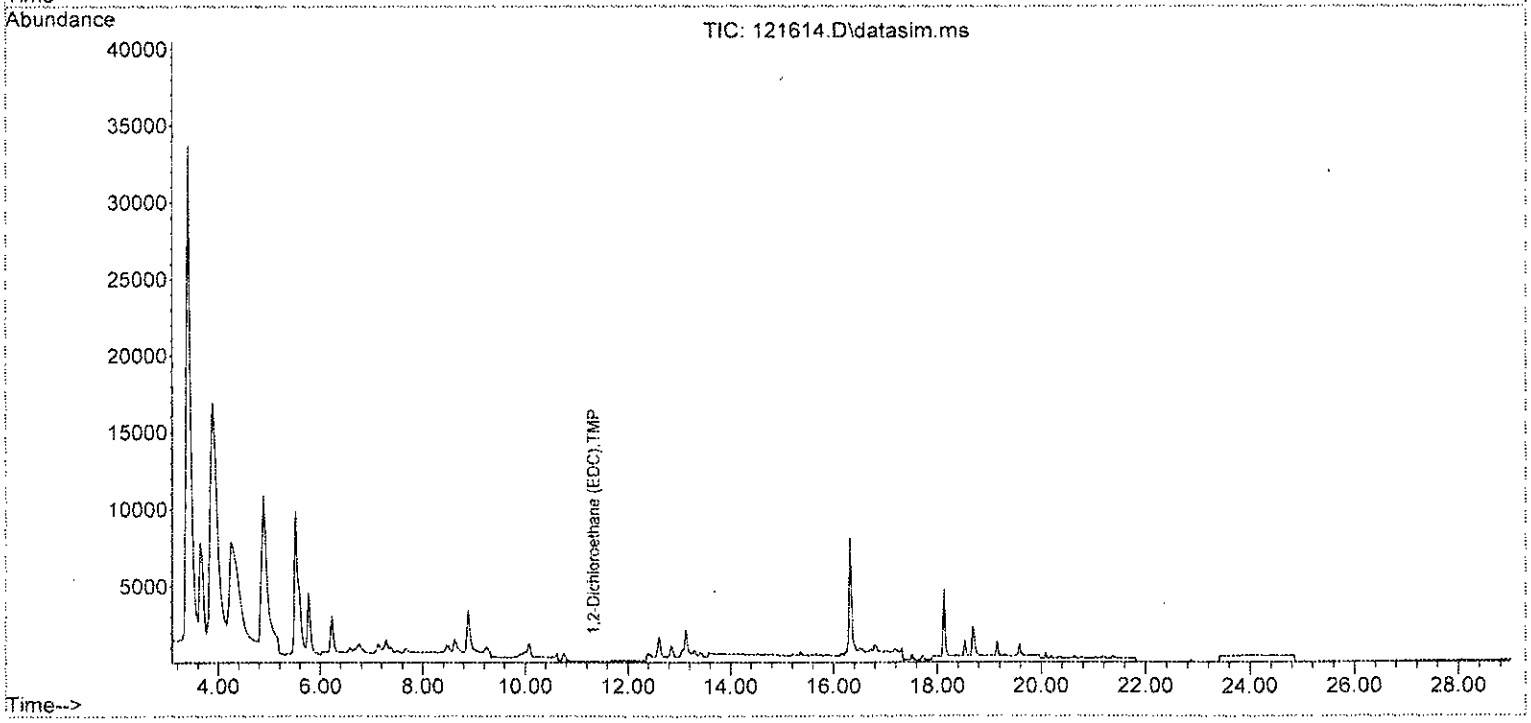
(#) = qualifier out of range (m) = manual integration (+) = signals summed

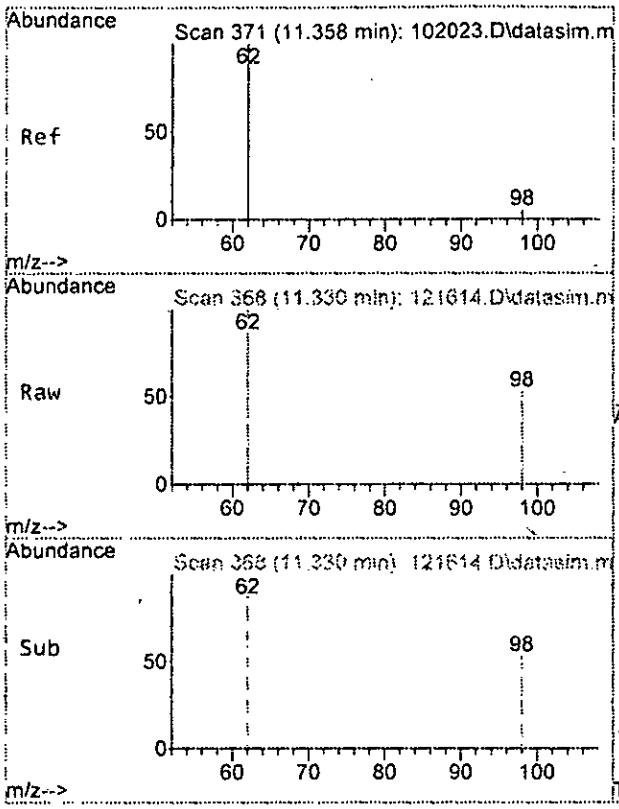
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



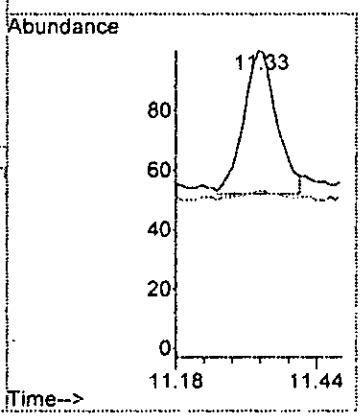




#34
1,2-Dichloroethane (EDC)
Concen: 0.013 ppbv m
RT: 11.33 min Scan# 368
Delta R.T. -0.009 min
Lab File: 121614.D
Acq: 16 Dec 2022 11:32 pm

Tgt Ion: 62 Resp: 204

Ion	Ratio	Lower	Upper
62	100		
98	53.0	0.0	35.3#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	47906	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.14	114	185442	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.13	117	178237	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	106505	8.622	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.20%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.33	62	204m	0.013	ppbv	
35) 1,1,1-Trichloroethane	11.69	97	130	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

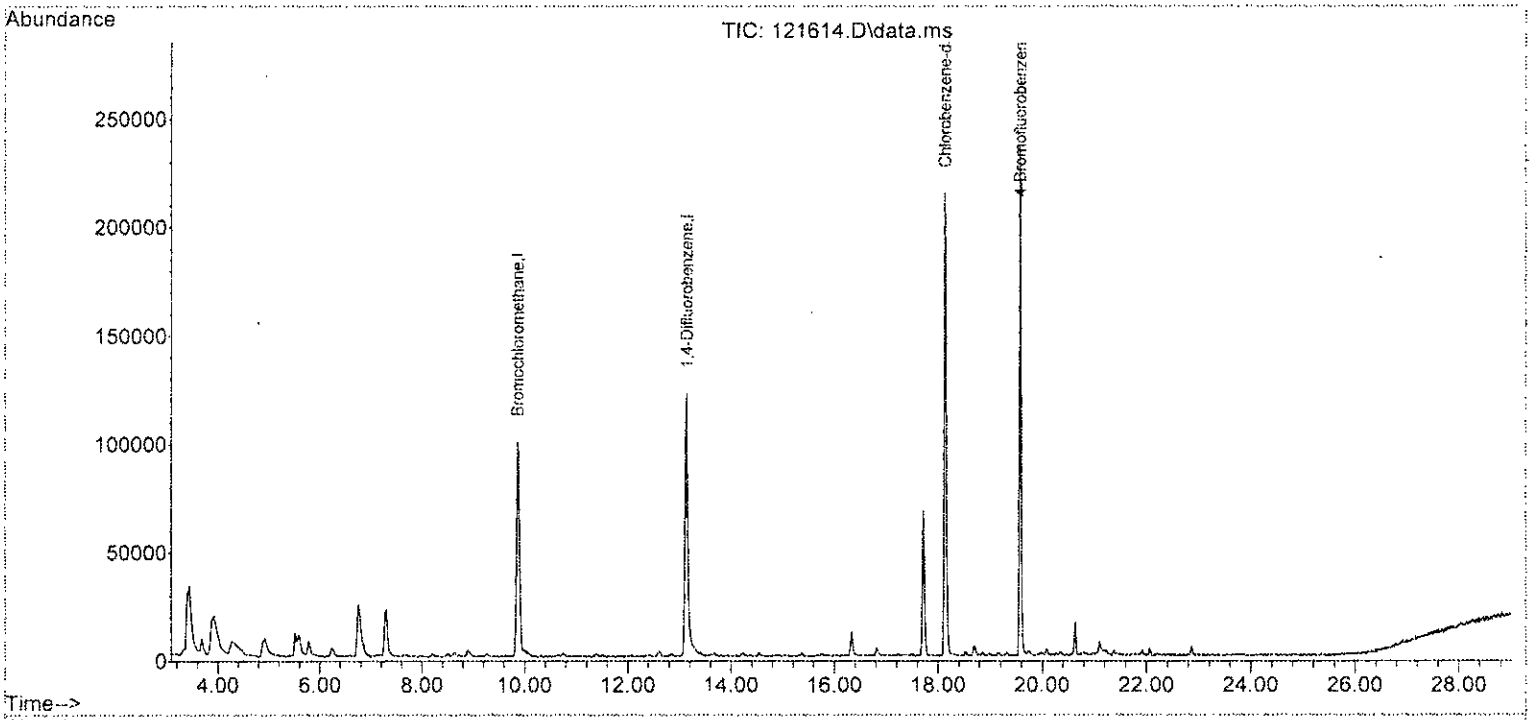
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	17.52	164	185	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

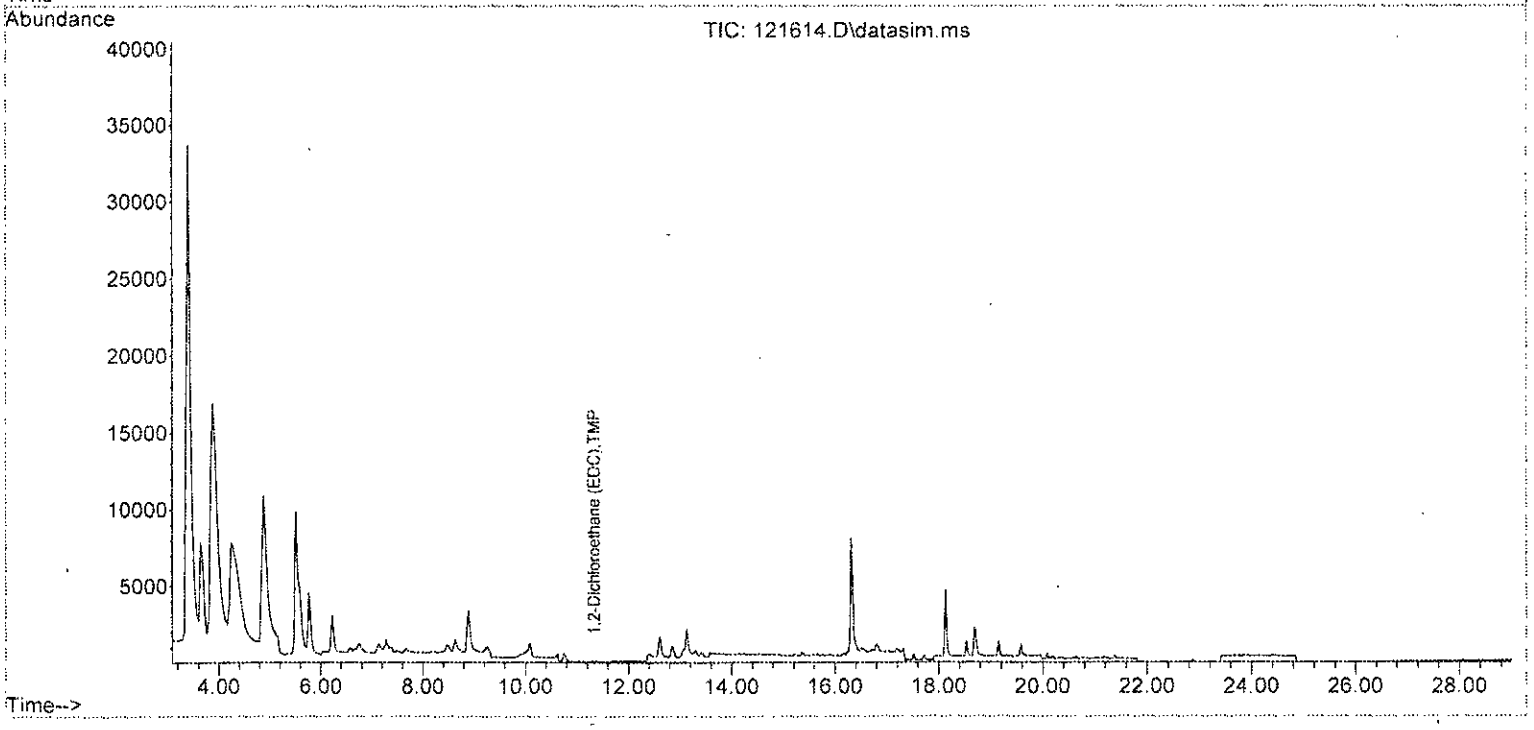
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121614.D
Acq On : 16 Dec 2022 11:32 pm
Operator : bat
Sample : 212177-05
Misc : T4
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS7

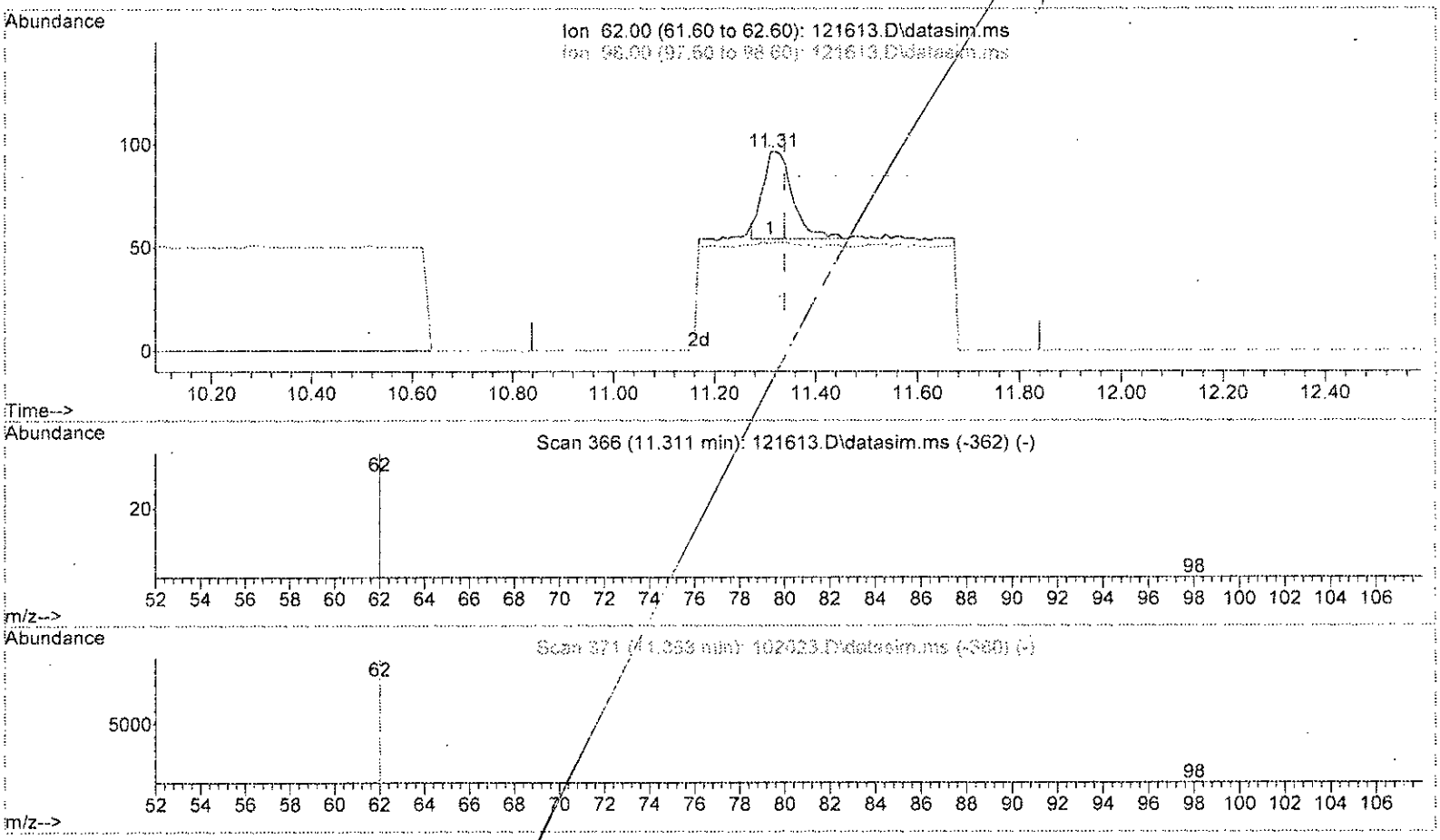
Quant Time: Dec 18 15:28:31 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121613.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.311min (-0.028) 0.011 ppbv

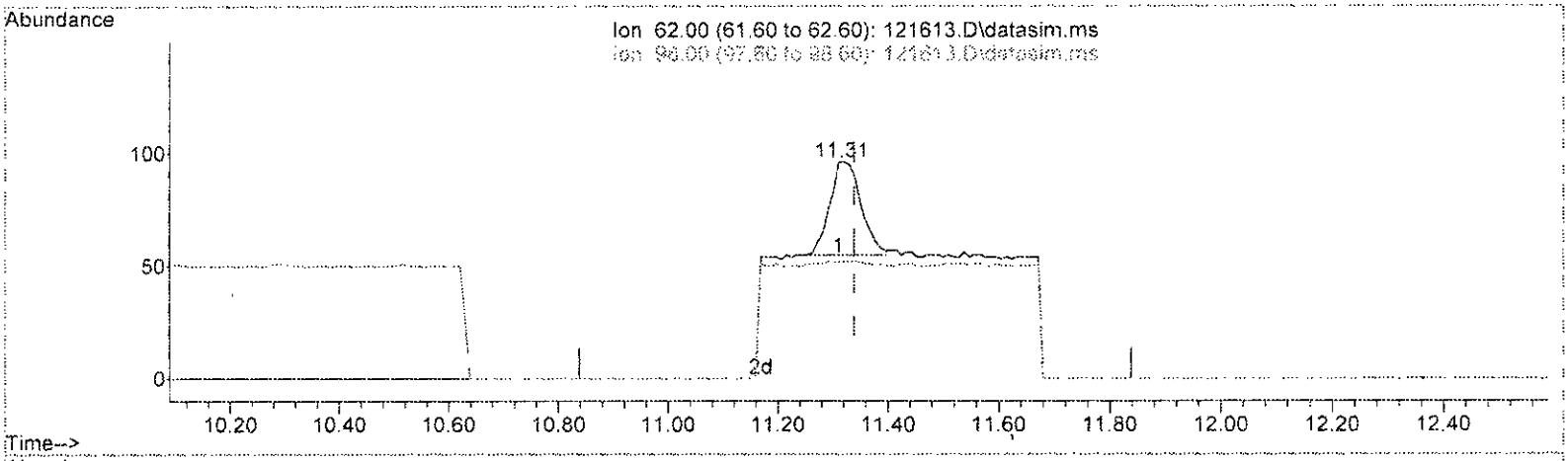
response 171

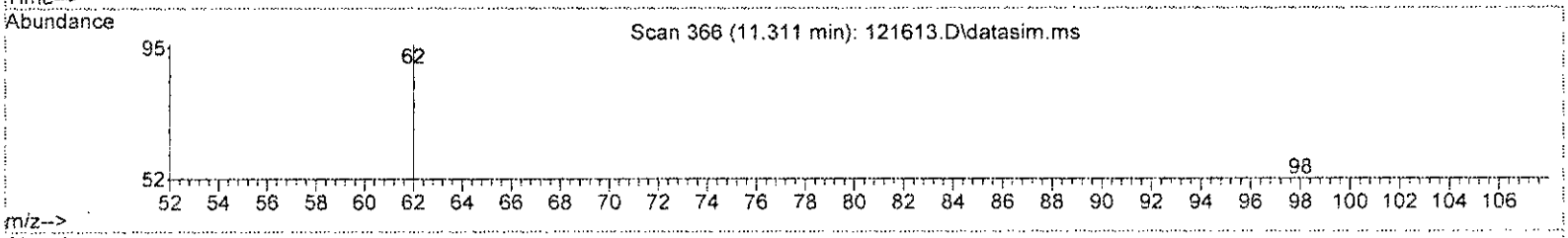
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.76
0.00	0.00	0.00
0.00	0.00	0.00

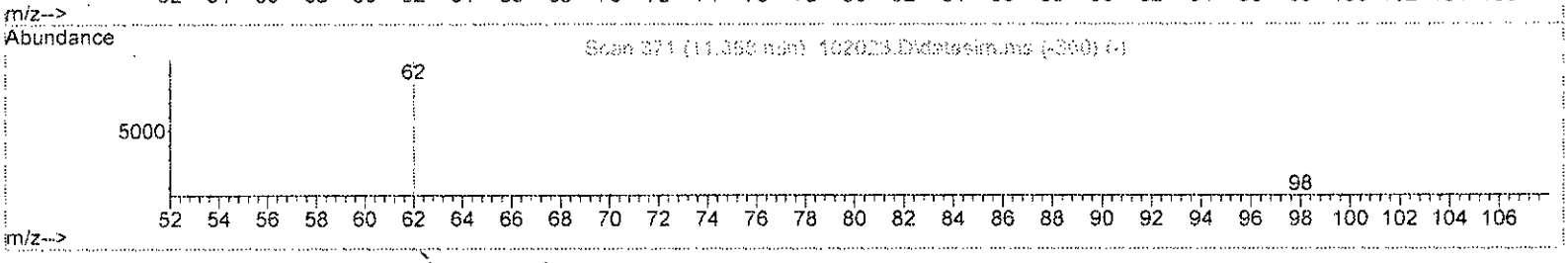
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 121613.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.311min (-0.028) 0.010 ppbv m
response 161

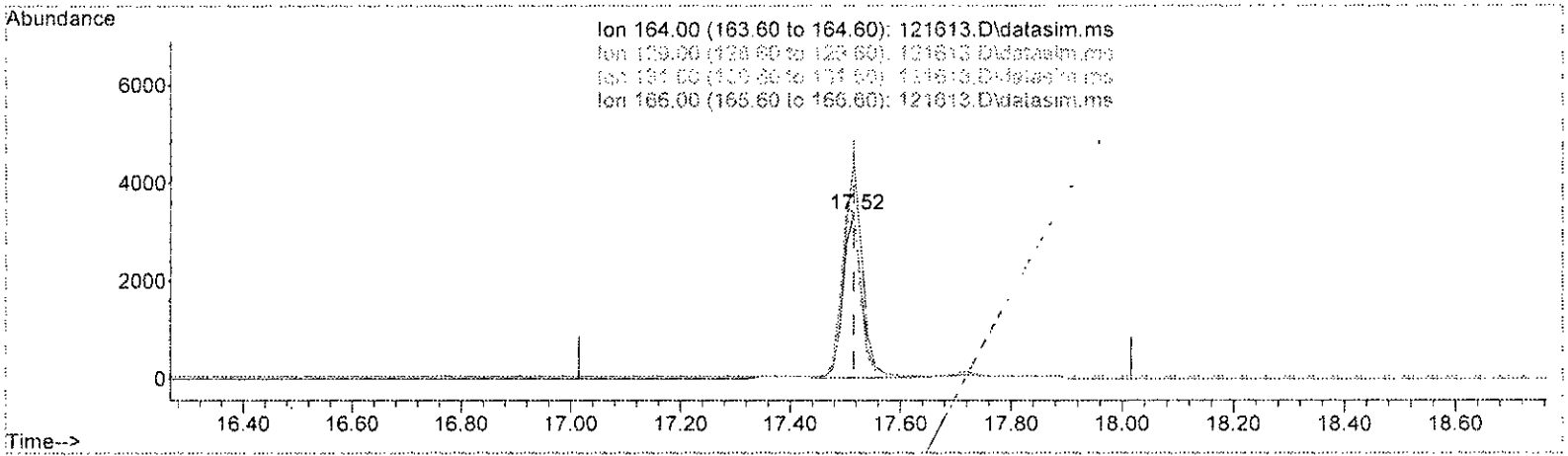
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	54.17#
0.00	0.00	0.00
0.00	0.00	0.00

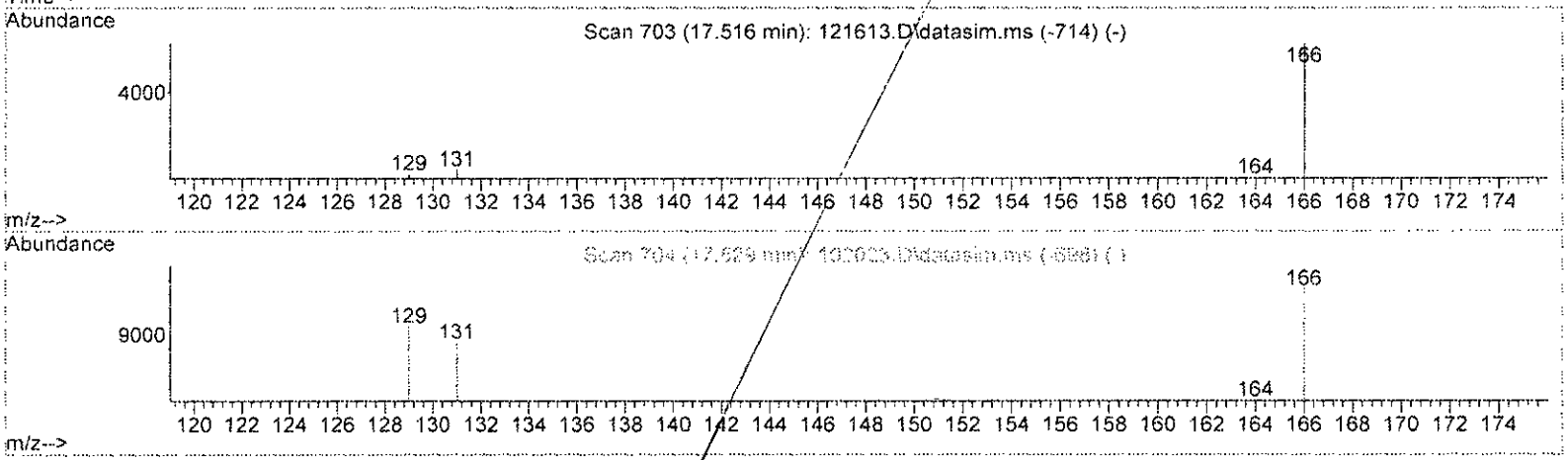
12/21/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 121613.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.946 ppbv

response 7873

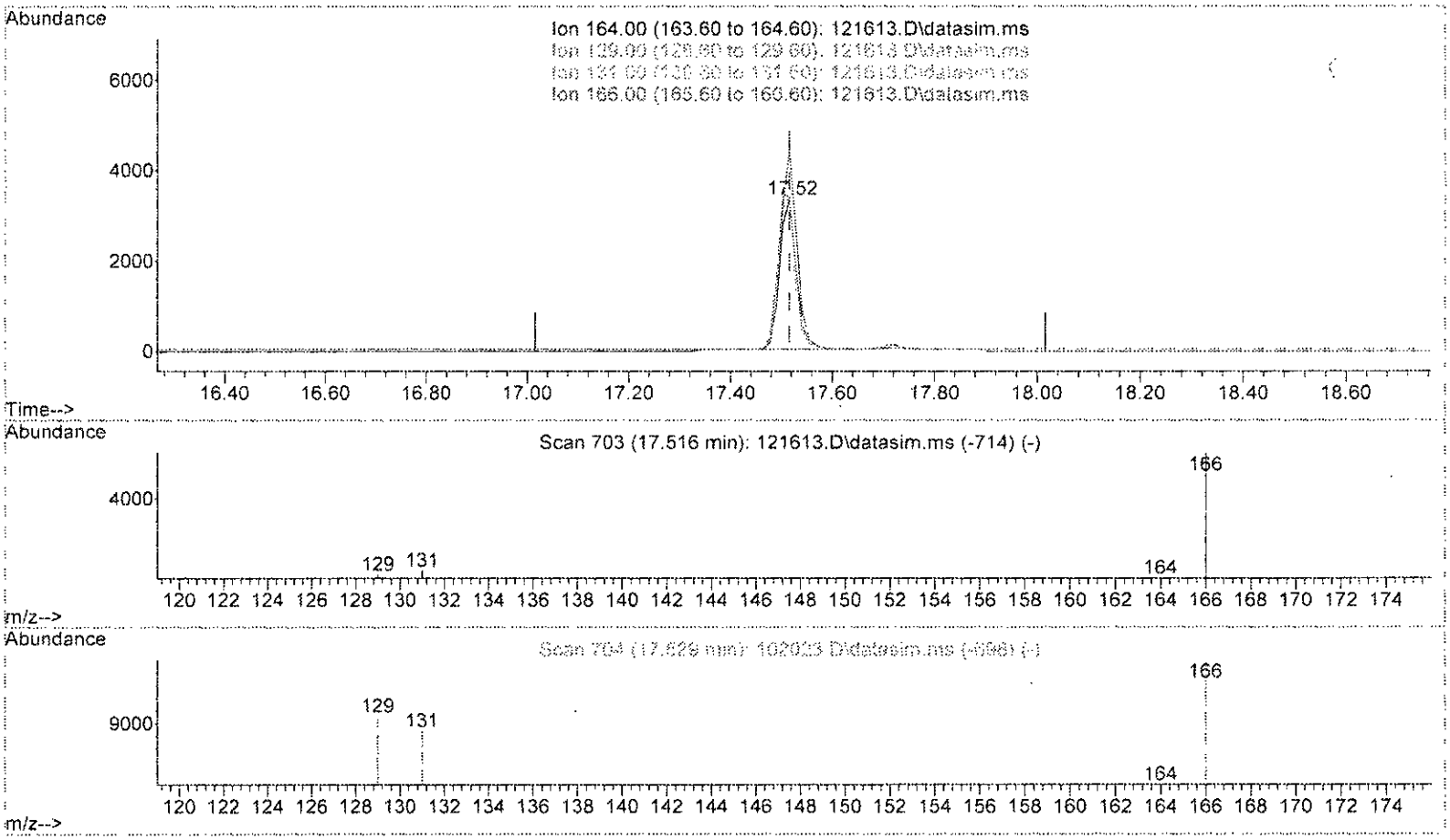
Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	100.88
131.00	100.70	101.90
166.00	137.50	132.76

12/21/22

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121613.D\data.ms

(53) Tetrachloroethene (TMP)

17.516min (+ 0.000) 0.899 ppbv m

response 7487

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	100.89
131.00	100.70	101.96
166.00	137.50	132.27

12/21/22

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

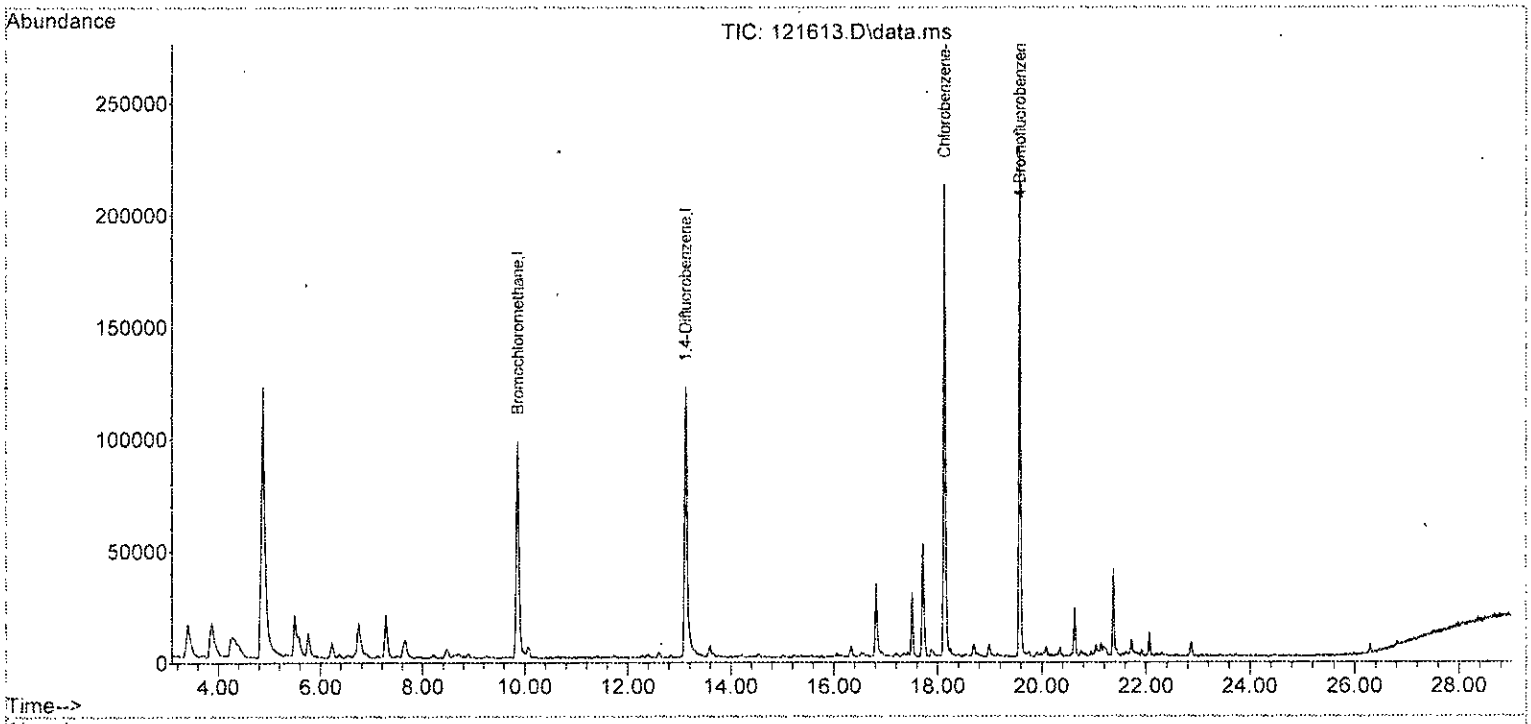
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	44033	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	169942	10.000	ppbv	-0.02
56) Chlorobenzene-d5	18.13	117	164348	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	96303	8.455	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 84.60%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.31	62	161m	0.010	ppbv	
53] Tetrachloroethene	17.52	164	7487m	0.899	ppbv	

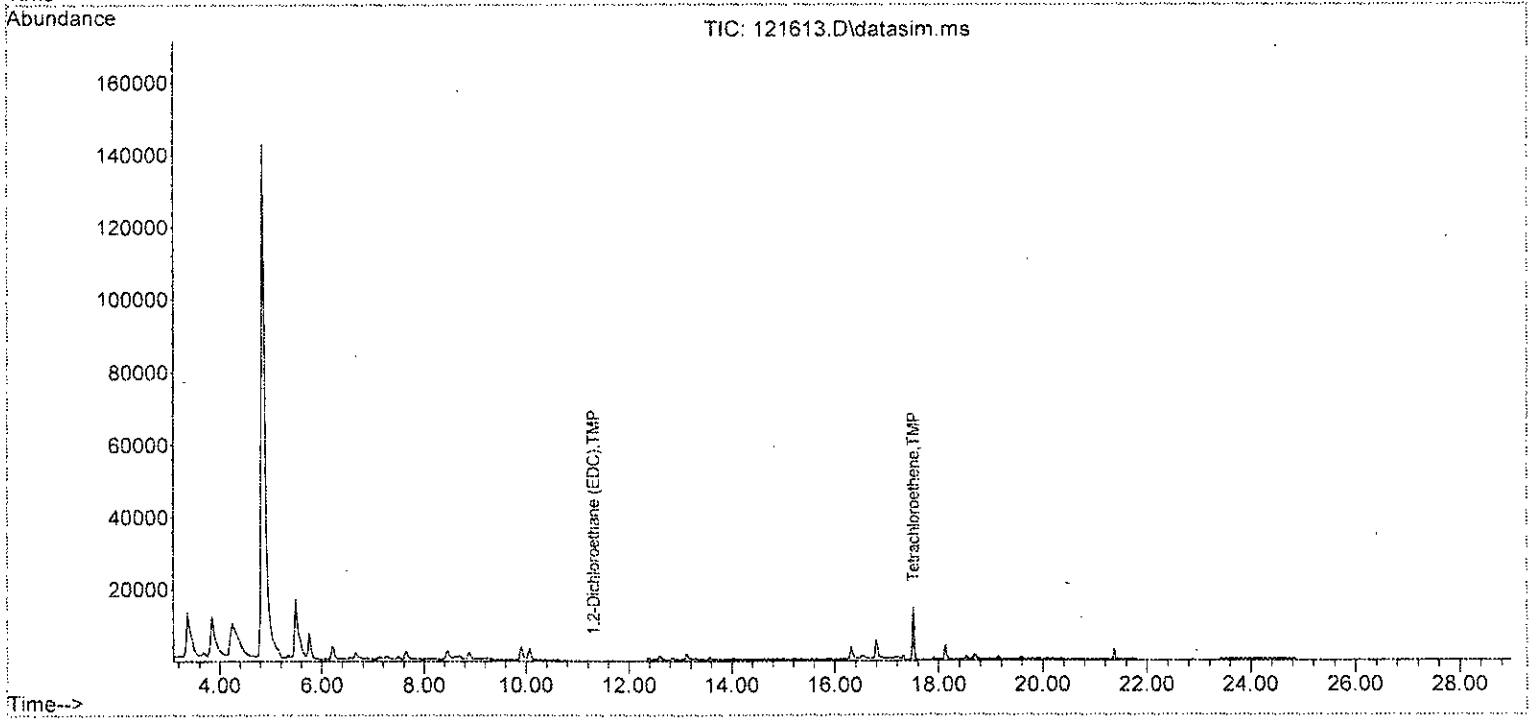
(#) = qualifier out of range (m) = manual integration (+) = signals summed

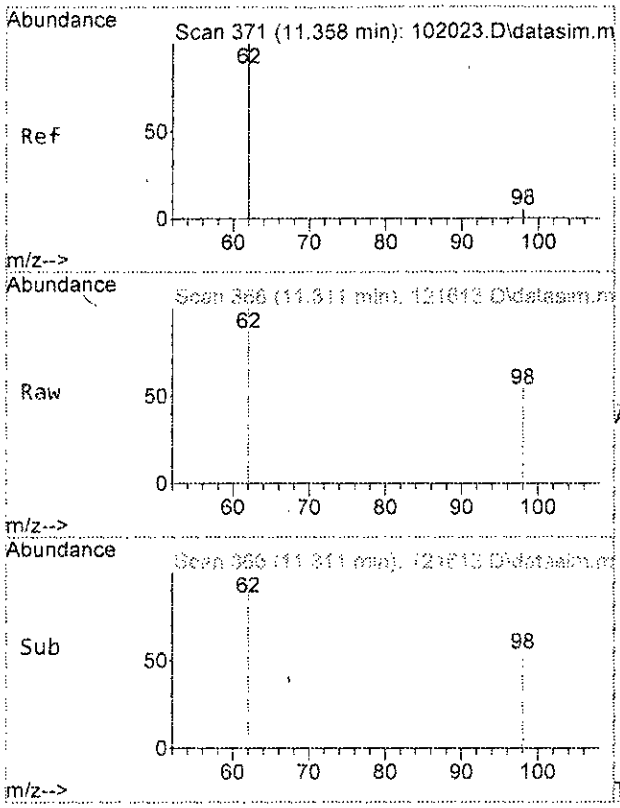
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



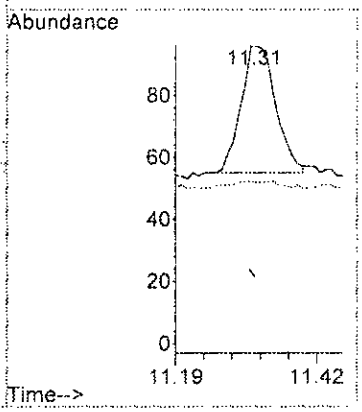


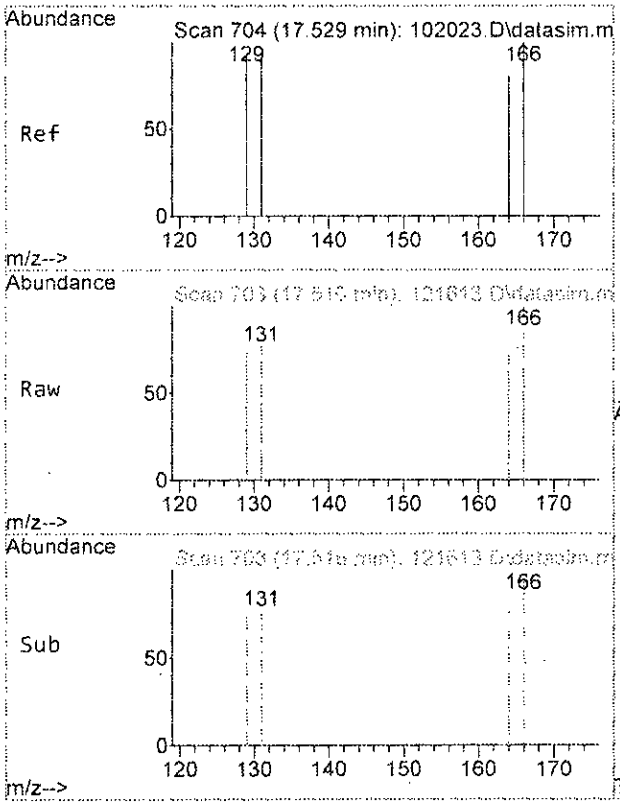


#34
1,2-Dichloroethane (EDC)
Concen: 0.010 ppbv m
RT: 11.31 min Scan# 366
Delta R.T. -0.028 min
Lab File: 121613.D
Acq: 16 Dec 2022 10:44 pm

Tgt Ion: 62 Resp: 161

Ion	Ratio	Lower	Upper
62	100		
98	54.2	0.0	35.3#

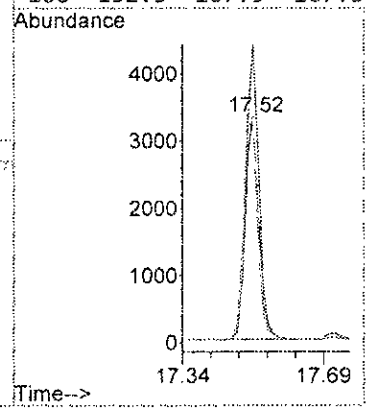




#53
Tetrachloroethene
Concen: 0.899 ppbv m
RT: 17.52 min Scan# 703
Delta R.T. 0.000 min
Lab File: 121613.D
Acq: 16 Dec 2022 10:44 pm

Tgt Ion:164 Resp: 7487

Ion	Ratio	Lower	Upper
164	100		
129	100.9	63.2	123.2
131	102.0	70.7	130.7
166	132.3	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	44033	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	169942	10.000	ppbv	-0.02
56) Chlorobenzene-d5	18.13	117	164348	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	96303	8.455	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	84.60%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	9.85	96	204	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.31	62	161m	0.010	ppbv	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

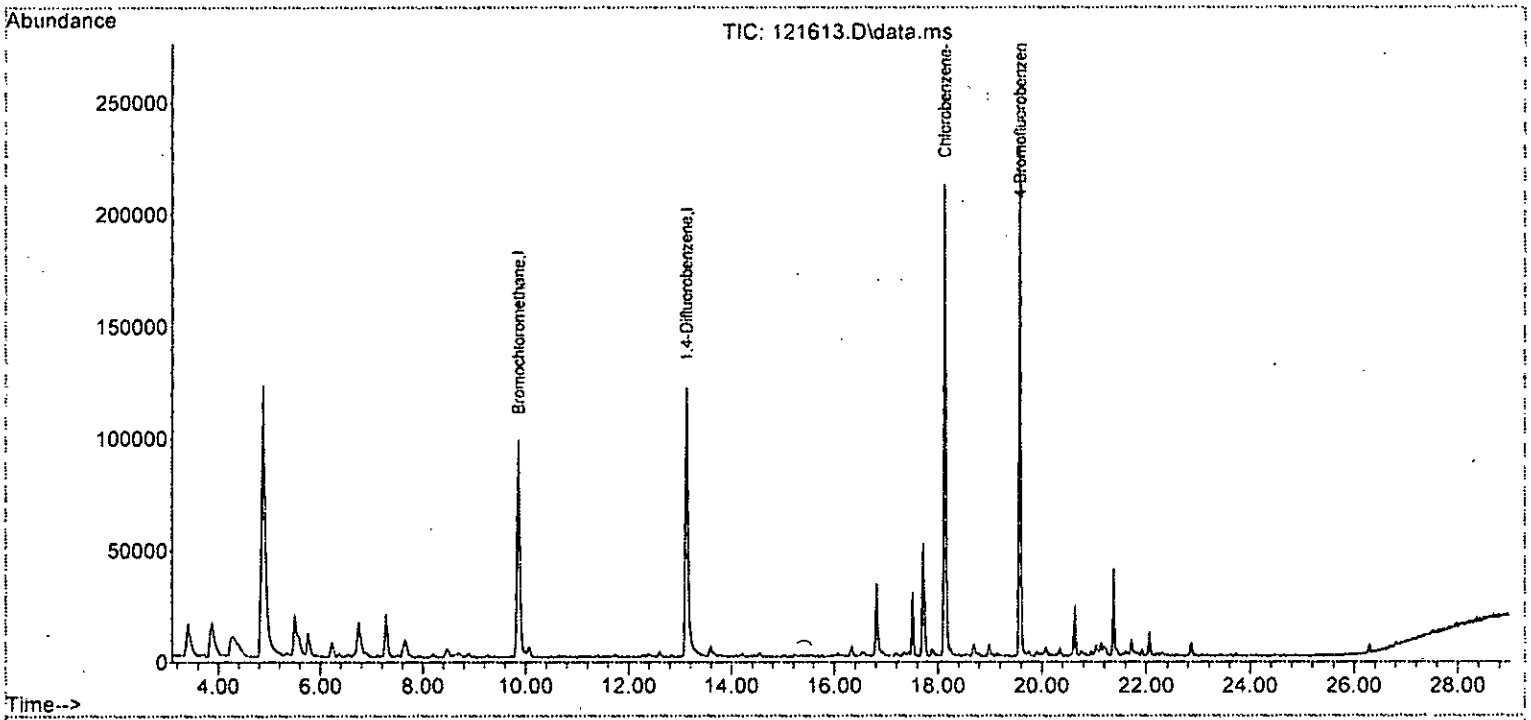
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		d
43) Methyl methacrylate	0.00		0	N.D.		d
44) Heptane	0.00		0	N.D.		d
45) Bromodichloromethane	0.00		0	N.D.		d
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		d
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.		d
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.		d
53] Tetrachloroethene	17.52	164	7487m	0.899	ppbv	
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.		d
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.		d
61) Isopropylbenzene	0.00		0	N.D.		d
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.		d
64) 4-Ethyltoluene	0.00		0	N.D.		d
65) m,p-Xylene	0.00		0	N.D.		d
66) o-Xylene	0.00		0	N.D.		d
67) Styrene	0.00		0	N.D.		d
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.		d
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.		d
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.		d
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.		d
78) Hexachlorobutadiene	0.00		0	N.D.		

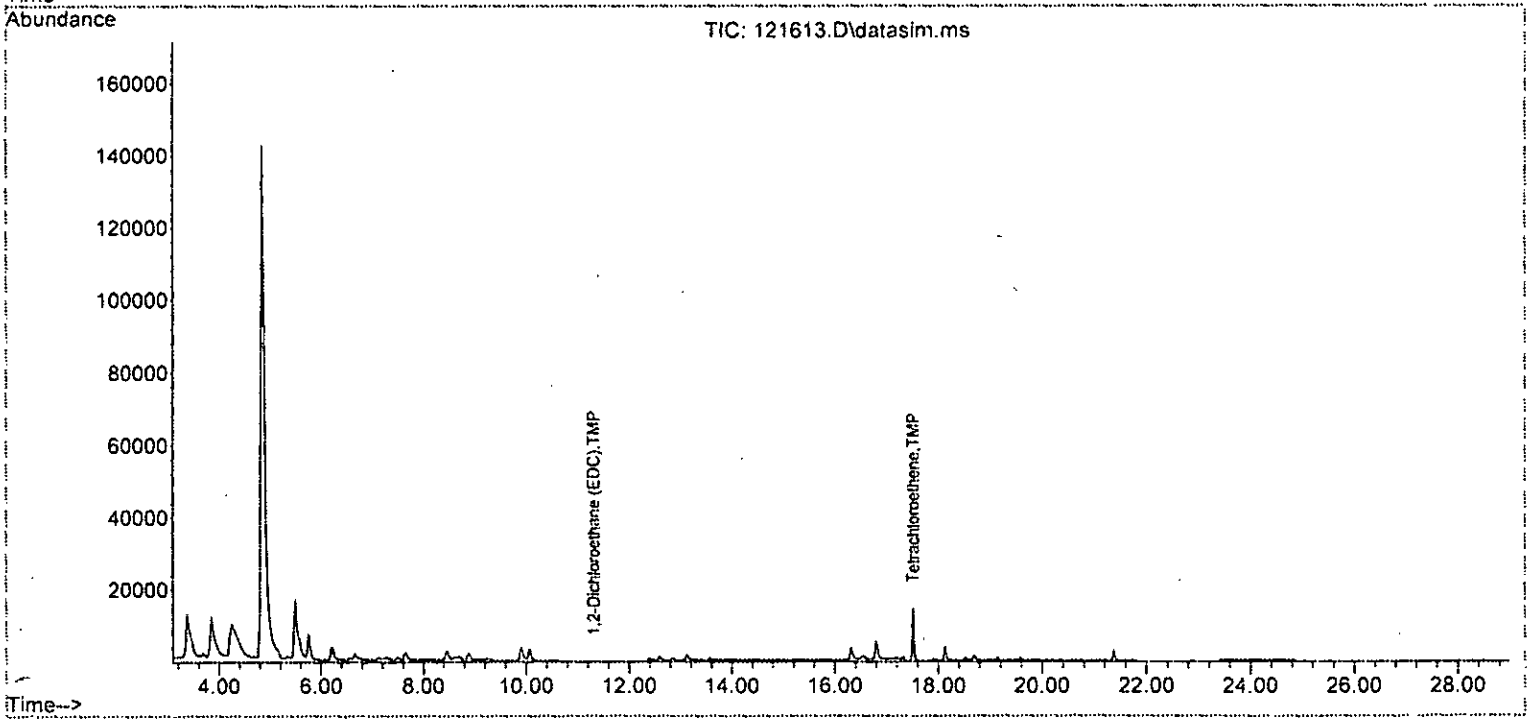
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121613.D
Acq On : 16 Dec 2022 10:44 pm
Operator : bat
Sample : 212177-06
Misc : T3
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:28 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

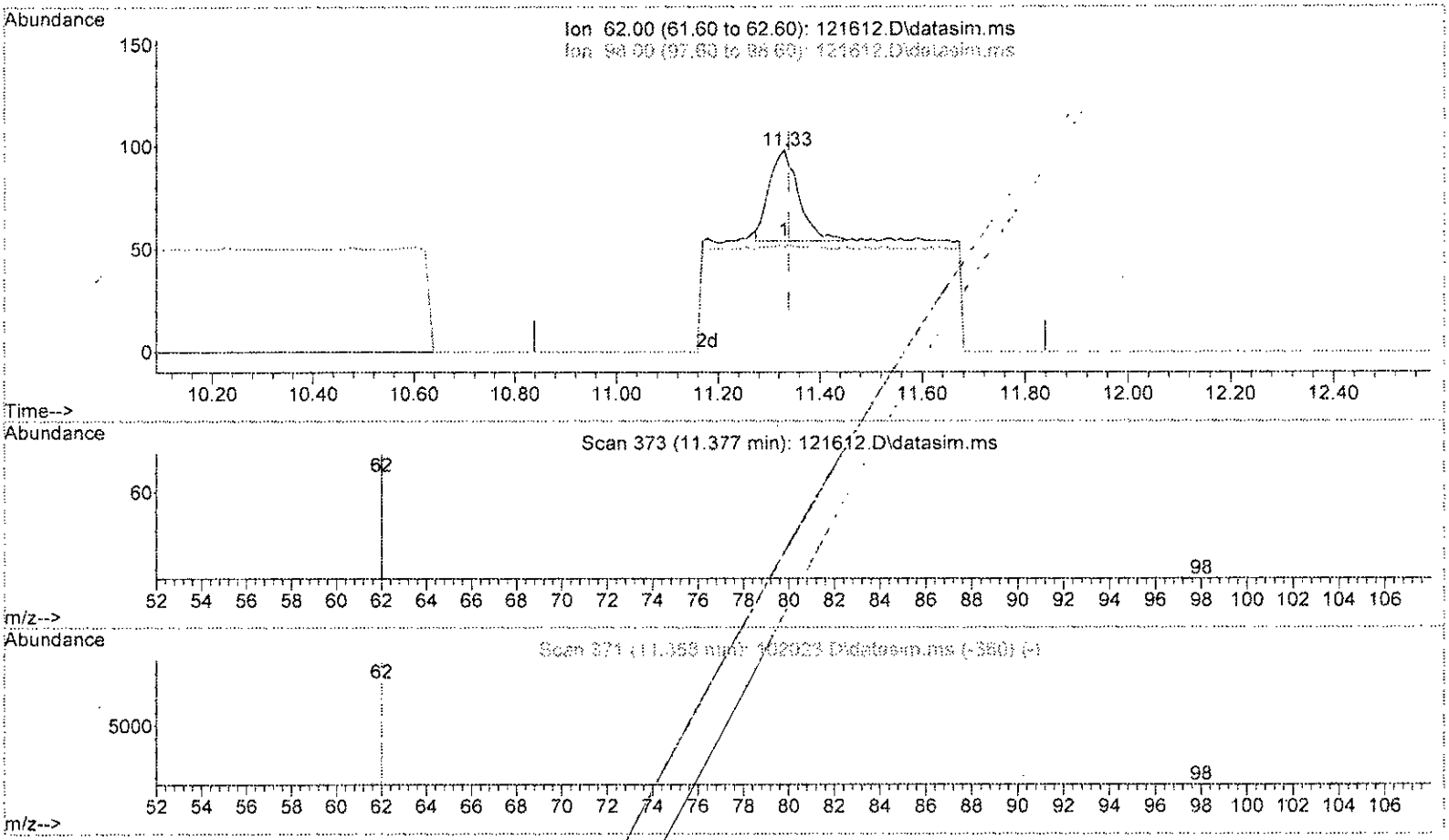




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121612.D\data.ms

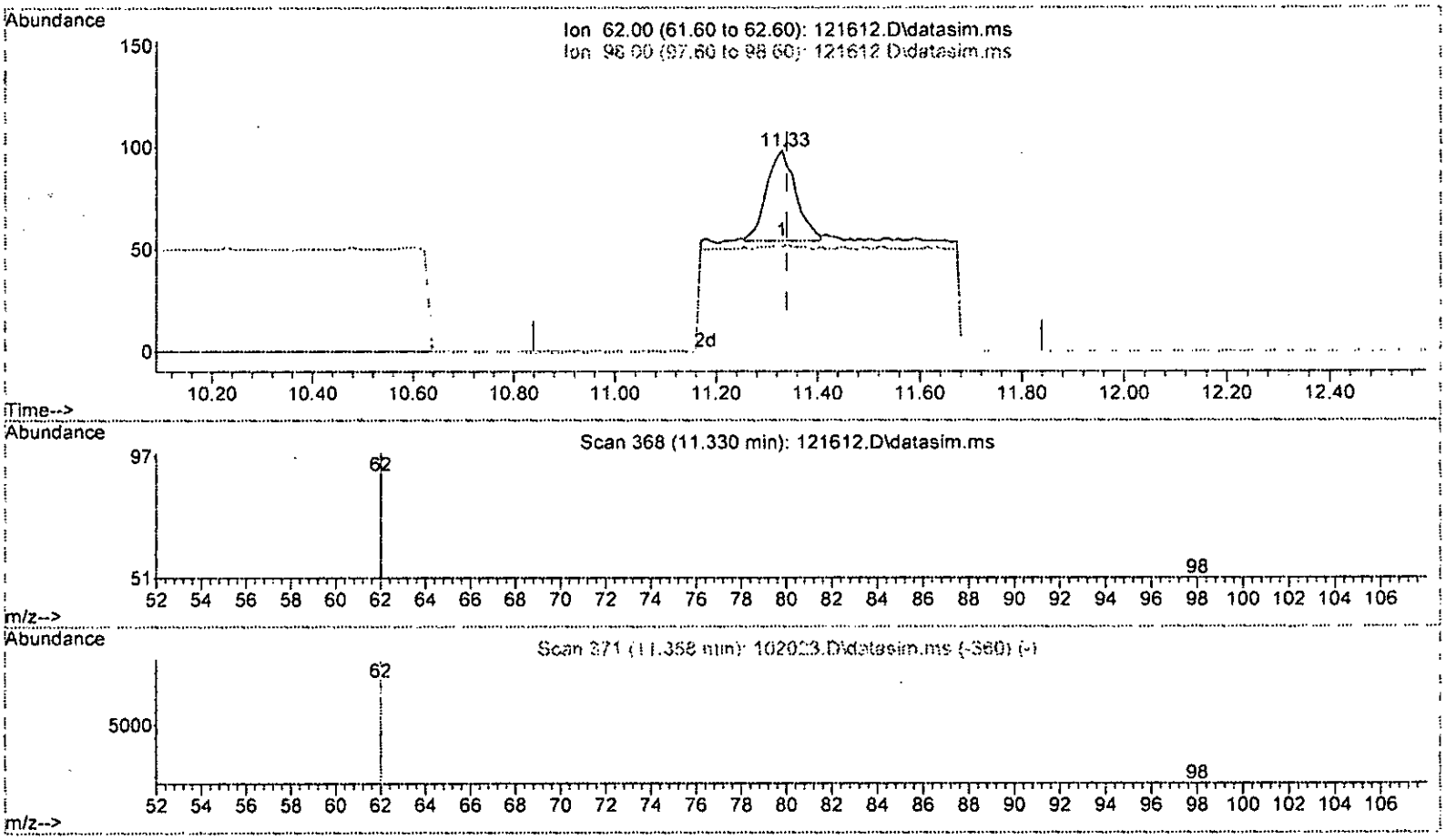
(34) 1,2-Dichloroethane (EDC) (TMP)
11.330min (-0.009) 0.012 ppbv
response 178

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	2.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 121612.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.330min (-0.009) 0.012 ppbv m

response 178

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	52.04#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

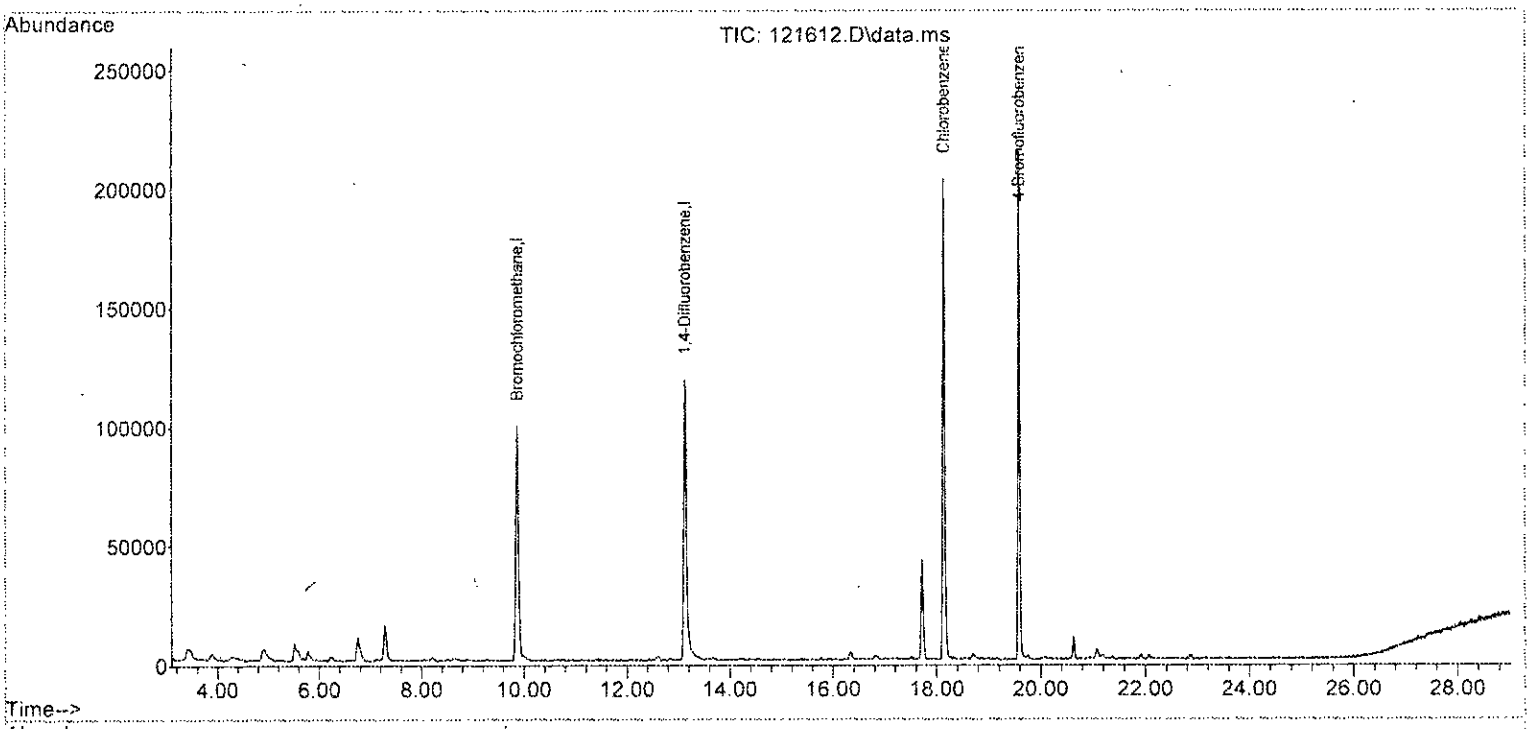
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	44819	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	179599	10.000	ppbv	-0.02
56) Chlorobenzene-d5	18.13	117	165033	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	97601	8.534	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.30%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.33	62	178m	0.012	ppbv	

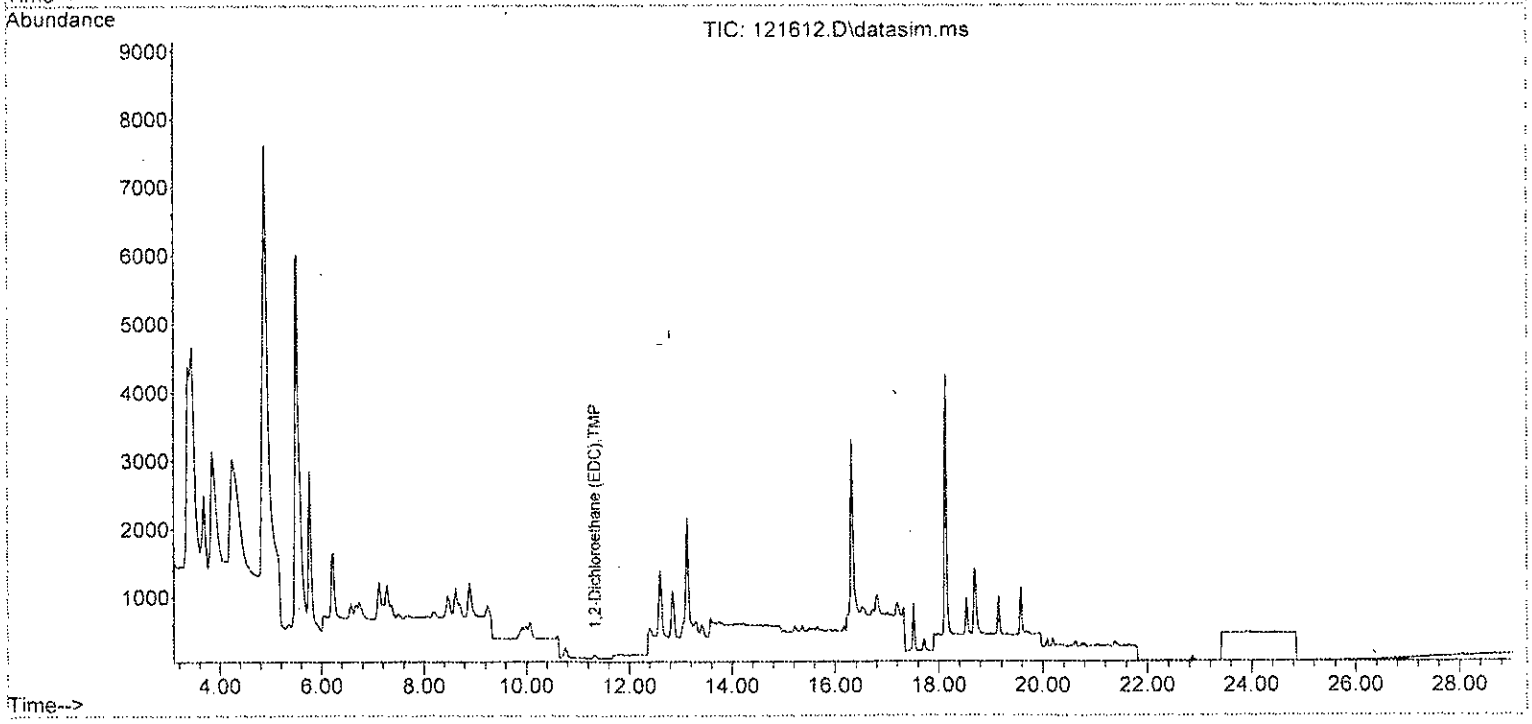
(#) = qualifier out of range (m) = manual integration (+) = signals summed

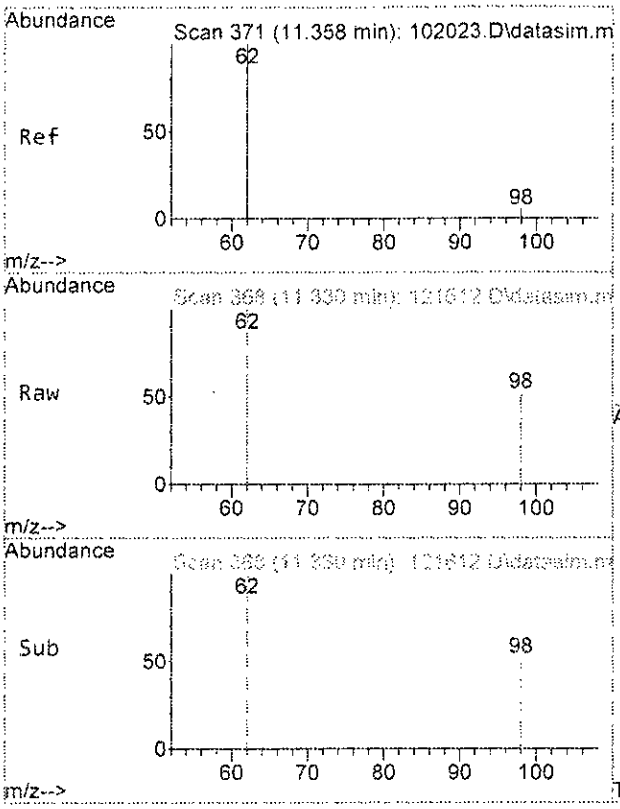
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



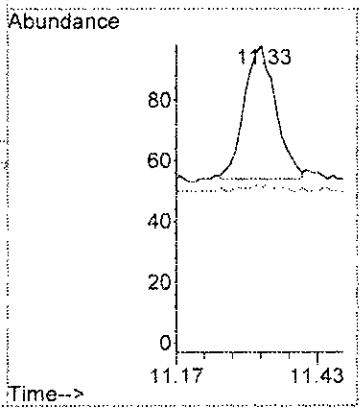




#34
1,2-Dichloroethane (EDC)
Concen: 0.012 ppbv m
RT: 11.33 min Scan# 368
Delta R.T. -0.009 min
Lab File: 121612.D
Acq: 16 Dec 2022 10:00 pm

Tgt Ion: 62 Resp: 178

Ion	Ratio	Lower	Upper
62	100		
98	52.0	0.0	35.3#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	44819	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	179599	10.000	ppbv	-0.02
56) Chlorobenzene-d5	18.13	117	165033	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	97601	8.534	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 85.30%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.33	62	178m	0.012	ppbv	
35) 1,1,1-Trichloroethane	11.71	97	163	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

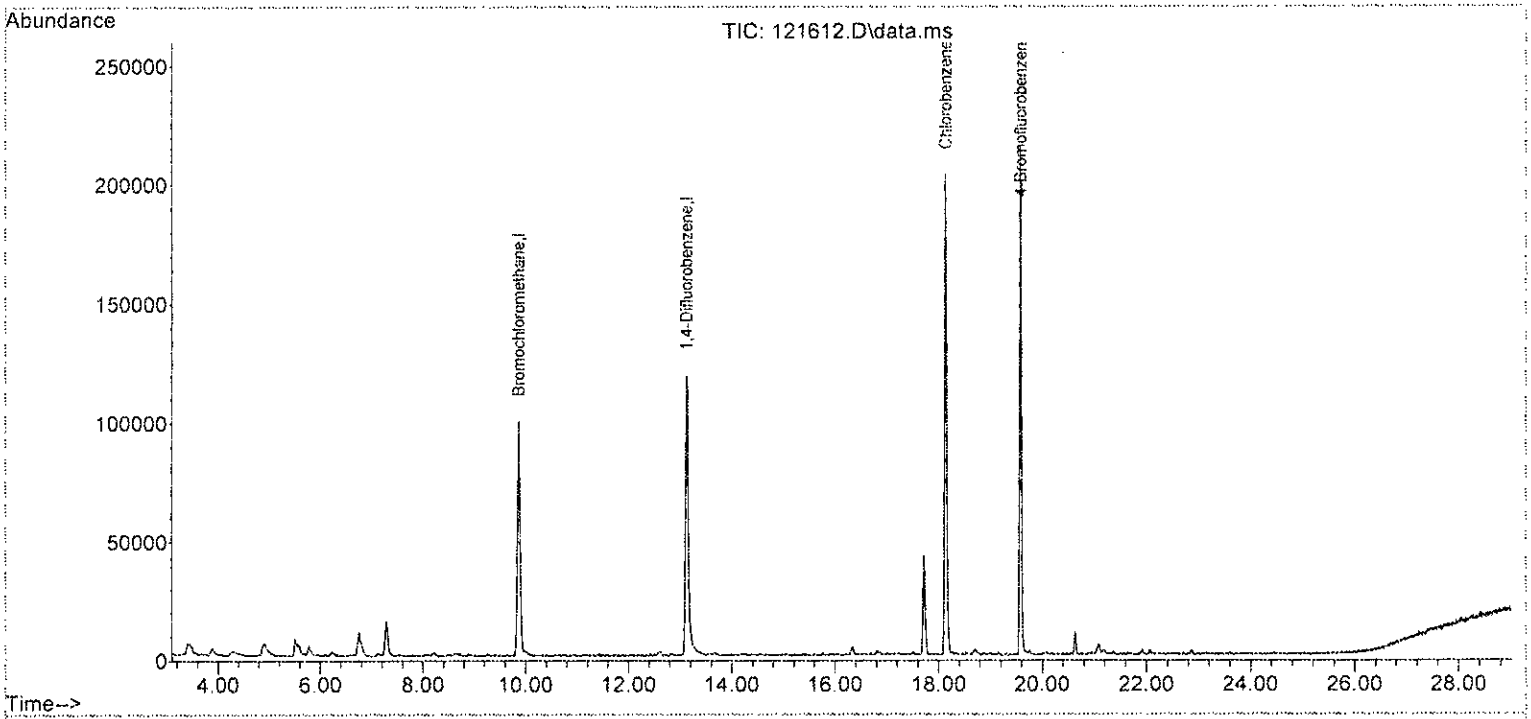
Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

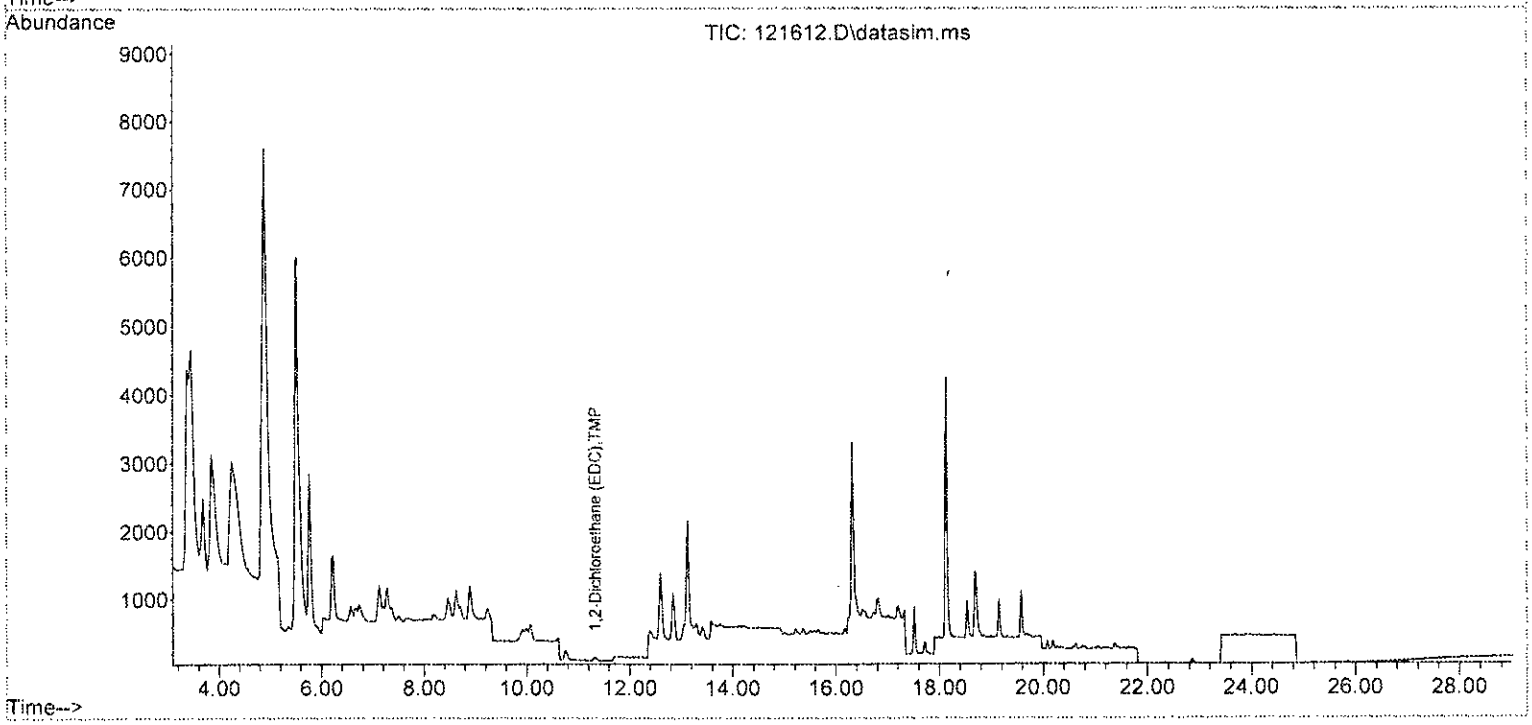
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	17.52	164	360	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\12-16-22\
Data File : 121612.D
Acq On : 16 Dec 2022 10:00 pm
Operator : bat
Sample : 212177-07
Misc : T2
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Dec 18 15:28:25 2022
Quant Method : D:\GCMS7 Methods\1115TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Fri Nov 18 12:30:32 2022
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





F&B Project 302300

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

302300

SAMPLE CHAIN OF CUSTODY

02/21/23

VW6

Page # 1 of 1

Report To JENNIFER MARSALLA

Company ANCHOR QEA

Address 1201 3RD AVE, #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) [redacted]

PROJECT NAME: CARSON CLEANERS

PO #: 212280-01.01

REMARKS

Project specific RLs? (Yes) / No

INVOICE TO: LABDATA ATTACH@ANCHORQEA.COM

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

-GW added per JM 2/21/23 ME

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	cVOC's				Notes
MW-23-GW-20230221	01 A-C	2-21-23	1505	2-21 H2O	7								X				TIER IV
MW-22-GW-20230221	02		1500		3								X				zp 3/8
MW-25-GW-20230221	03		1400		3								X				
MW-27-GW-20230221	04		1255		3								X				
MW-28-GW-20230221	05		1245		3								X				
MW-20-GW-20230221	06		1130		3								X				
MW-18-GW-20230221	07		1050		3								X				
CC-MW-C1-GW-20230221	08		1000		3								X				
TB-20230221	09	2-21-23	0800	H2O	2								X				TRIP BLANK
													Samples received at [redacted] °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	STEPHEN STAUCH	AQ	2-21-23	1648
Received by:	ANHPHAN	FSB	02/21/23	16:48
Relinquished by:				
Received by:				

VW

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 202300 CLIENT Anchor INITIALS/ AP
DATE: 02/21/23

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature Ø °C

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
- ☑ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory Ø days

Is there a Chain-of-Custody* (COC)?
*or other representative documents, letters, and/or shipping memos ☑ YES ☐ NO

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☑ Yes	☐ No	# of Containers	☑ Yes	☐ No
Date Sampled	☑ Yes	☐ No	Relinquished	☑ Yes	☐ No
Time Sampled	☑ Yes	☐ No	Requested analysis	☑ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Air Samples: Were any additional canisters received? ☑ NA ☐ YES ☐ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

= 302300
Anchor
ID: 03 0353
s checked against COC MD

Date Received: 2/21/23 HT 317
Date Extracted: 2/24/23
Date Analyzed:
GCMS ☐4 ~~☐11~~ ☑13, Seq. Date 3/06 I

Analysis Method:
☒ 8260
☐ 8260 SIM
☐ 524.2 SIM
☐ Other

Requested Analytes:
☐ 8260 Normal List
~~☒ aVOCs~~
☒ PCE/Daughters
☐ BTEX
☐ BTEX+N
☐ Other

Reporting Units:
☒ µg/L (ppb)
☐ Other

Extraction Method:
☒ 5030

Due Date: 2/28/23 ☒ Historical Data Attached
See RLs below
☐ ve's not Acceptable
☐ Dilutions Not Acceptable for Non-Detects
☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01 A	<2			4.3	mL	1/10		
02						1/10		
03						1/10		
04						1/10		
05						FS		
06								
07								
08								
09				4.3		1/100		
MD	2/24/23							
302300-03 MS								
-05 1/10								

Initials: [illegible]

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67.145	[illegible]	2/24
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK

NOTES: -03 + 08 screened 2/24 TIER IV

Calculated by [illegible] 3/7/23 Reviewed by 03/07/23 [illegible]

VOC EXTRACTION WORKSHEET (WATER)

Project #: 302300

Client:

QC Batch ID:

Samples checked against COC

Date Received:

Date Extracted:

Date Analyzed:

GCMS ☐4 ☐11 ☐13, Seq.

Analysis Method:
- ☐ 8260
- ☐ 8260 SIM
- ☐ 524.2 SIM
- ☐ Other
- ☐

Requested Analytes:
- ☐ 8260 Normal List
- ☐ cVOCs
- ☐ PCE/Daughters
- ☐ BTEX
- ☐ BTEX+N
- ☐ Other

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method: 5030

Due Date:

☐ Historical Data Attached

- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent mL			
-05	6			4.3	43	1/10		
-07	"					FS		
-09	"							
	3/6							

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other					WATER		
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix	313		
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials:

NOTES:

Calculated by 3/7/23

Reviewed by 03/07/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 02/24/23 @ 5 am Technician: MD

QA Batch: **03-0353**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only MD 2/24	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
LCS	2 ✓ 2			43mL						
LCSD	↓			↓						
MB										
MS										302300-07
~~MSD~~ MD 2/24	↓			↓						
MD	2/24/23	—	—	—	—	—	—	—	—	—
Initials										

Samples in Batch

302300	-01	↓	-05	↓	-09	↓	-35		
↓	-02		-06	302310	-32	↓	-37		
	-03		-07	↓	-33	302330	-01		
	-04		-08	↓	-34	↓	-02		

Date/Initials

Matrix Spikes:
8.6 µL of 50 ppm of 8260 LCS/LCSD — Lot # 08-148A — 2/24/23 MD
Amount / Concentration / Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ — Lot #_____ — _____
Amount / Concentration / Analytes and Solvent

Surrogates:
15 µL of 10 ppm of 8260 IS/SURR — Lot # 07-148A — 2/24/23 MD
Amount / Concentration / Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ — Lot #_____ — _____
Amount / Concentration / Analytes and Solvent

Notes: _____

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	8260 Cal Std. (50/250 ppm)
Matrix:	Water	Volume spiked:	4.3 uL (60-190a) and 8.6 uL (60-190b), 43 uL (60-190c
Instrument ID:	GCMS #11	Date(s) Extracted:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
Reporting Units:	ug/L	Date(s) Analyzed:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
		Date Calculated:	6/3/2021, 09/01/22, 09/24/21, 12/09/21, 12/10/21, 02/2
		Calculation Analyst:	JCM, WE, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.246	0.492	1.230	0.082	0.264	0.200	132
Chloromethane	1.615	3.230	8.074	0.539	5.331	5.000	107
Vinyl chloride	0.018	0.036	0.090	0.006	0.052	0.050	105
Bromomethane	3.116	6.232	15.579	1.039	5.948	5.000	119
Chloroethane	0.143	0.286	0.715	0.048	0.270	0.200	135
Trichlorofluoromethane	0.187	0.374	0.936	0.062	0.223	0.200	112
2-Propanol							
Acetone	4.651	9.301	23.254	1.551	12.835	10.000	128
1,1-Dichloroethene	0.034	0.069	0.172	0.011	0.063	0.050	126
Hexane	0.124	0.248	0.620	0.041	0.244	0.200	122
Methylene chloride	2.640	5.279	13.198	0.880	5.052	5.000	101
t-Butyl alcohol (TBA)	7.869	15.739	39.347	2.625	25.924	25.000	104
Methyl t-butyl ether (MTBE	0.004	0.009	0.022	0.001	0.052	0.050	105
trans-1,2-Dichloroethene	0.035	0.069	0.173	0.012	0.215	0.200	107
Diisopropyl ether (DIPE)	0.049	0.099	0.247	0.017	0.203	0.200	101
1,1-Dichloroethane	0.006	0.012	0.030	0.002	0.024	0.020	121
Ethyl t-butyl ether (ETBE)	0.070	0.141	0.352	0.023	0.204	0.200	102
2,2-Dichloropropane	0.170	0.340	0.849	0.057	0.192	0.200	96
cis-1,2-Dichloroethene	0.016	0.031	0.078	0.005	0.059	0.050	117
Chloroform	0.050	0.100	0.251	0.017	0.214	0.200	107
2-Butanone (MEK)	2.997	5.994	14.985	1.000	11.380	10.000	114
t-Amyl methyl ether (TAME)	0.061	0.123	0.307	0.020	0.201	0.200	101
1,2-Dichloroethane (EDC)	0.051	0.101	0.253	0.017	0.218	0.200	109
1,1,1-Trichloroethane	0.007	0.014	0.035	0.002	0.025	0.020	123
1,1-Dichloropropene	0.122	0.244	0.609	0.041	0.208	0.200	104
Carbon tetrachloride	0.106	0.213	0.531	0.035	0.203	0.200	101
Benzene	0.017	0.034	0.086	0.006	0.027	0.020	137
Trichloroethene	0.045	0.089	0.223	0.015	0.064	0.050	128
1,2-Dichloropropane	0.144	0.288	0.721	0.048	0.213	0.200	107
Bromodichloromethane	0.092	0.184	0.461	0.031	0.202	0.200	101
Dibromomethane	0.090	0.179	0.448	0.030	0.220	0.200	110
4-Methyl-2-pentanone	0.474	0.948	2.371	0.158	0.902	1.000	90
cis-1,3-Dichloropropene	0.095	0.191	0.477	0.032	0.190	0.200	95
Toluene	0.040	0.081	0.201	0.013	0.025	0.020	123
trans-1,3-Dichloropropene	0.123	0.247	0.617	0.041	0.202	0.200	101
1,1,2-Trichloroethane	0.087	0.175	0.437	0.029	0.224	0.200	112
2-Hexanone	2.216	4.433	11.082	0.739	12.030	10.000	120
1,3-Dichloropropane	0.083	0.166	0.416	0.028	0.213	0.200	106
Tetrachloroethene	0.077	0.154	0.385	0.026	0.065	0.050	129
Dibromochloromethane	0.130	0.259	0.648	0.043	0.212	0.200	106
1,2-Dibromoethane (EDB)	0.045	0.089	0.223	0.015	0.213	0.200	106
Chlorobenzene	0.052	0.104	0.259	0.017	0.224	0.200	112
Ethylbenzene	0.025	0.049	0.123	0.008	0.026	0.020	128
1,1,1,2-Tetrachloroethane	0.094	0.188	0.470	0.031	0.212	0.200	106
m,p-Xylene	0.048	0.096	0.241	0.016	0.053	0.040	132
o-Xylene	0.019	0.039	0.097	0.006	0.026	0.020	128
Styrene	0.071	0.142	0.354	0.024	0.203	0.200	101
Isopropylbenzene	0.071	0.141	0.353	0.024	0.196	0.200	98
Bromoform	0.125	0.251	0.627	0.042	0.202	0.200	101
n-Propylbenzene	0.094	0.189	0.472	0.031	0.219	0.200	110
Bromobenzene	0.076	0.153	0.382	0.025	0.233	0.200	116
1,3,5-Trimethylbenzene	0.080	0.160	0.399	0.027	0.192	0.200	96
1,1,2,2-Tetrachloroethane	0.095	0.191	0.477	0.032	0.218	0.200	109
1,2,3-Trichloropropane	0.068	0.136	0.340	0.023	0.253	0.200	126
2-Chlorotoluene	0.096	0.193	0.482	0.032	0.227	0.200	113
4-Chlorotoluene	0.082	0.164	0.409	0.027	0.219	0.200	109
tert-Butylbenzene	0.076	0.153	0.382	0.025	0.205	0.200	103
1,2,4-Trimethylbenzene	0.074	0.148	0.370	0.025	0.187	0.200	94
sec-Butylbenzene	0.090	0.180	0.449	0.030	0.195	0.200	98
p-Isopropyltoluene	0.081	0.161	0.404	0.027	0.199	0.200	100
1,3-Dichlorobenzene	0.099	0.197	0.493	0.033	0.224	0.200	112
1,4-Dichlorobenzene	0.088	0.176	0.440	0.029	0.238	0.200	119
1,2-Dichlorobenzene	0.094	0.189	0.472	0.032	0.219	0.200	110
1,2-Dibromo-3-chloropropane	0.595	1.190	2.974	0.198	4.792	5.000	96
1,2,4-Trichlorobenzene	0.134	0.269	0.672	0.045	0.219	0.200	110
Hexachlorobutadiene	0.158	0.315	0.788	0.053	0.227	0.200	113
Naphthalene	0.195	0.390	0.974	0.065	0.237	0.200	119
1,2,3-Trichlorobenzene	0.114	0.228	0.569	0.038	0.208	0.200	104

Reported MDL Data and Calculations **Analyst fill in all below** (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
Matrix:	Water	Volume spiked:	4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
Instrument ID:	GCMS #13	Date(s) Extracted:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21,12/08
Reporting Units:	ug/L	Date(s) Analyzed:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/0
		Date Calculated:	06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/1
		Calculation Analyst:	JCM, WE, AEN, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS13\sequence\02-14-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\02-14-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	021401	VM080322	rinse
2)	Sample	100	021402	VM080322	rinse
3)	Sample	1	021403	VM080322	10 ppb 8260 CCV 67-97N
4)	Sample	2	021404	VM080322	10 ppb 8260 CCV 68-127N
5)	Sample	100	021405	VM080322	rinse
6)	Sample	100	021406	VM080322	rinse
7)	Sample	100	021407	VM080322	rinse
8)	Sample	100	021408	VM080322	rinse
9)	Sample	3	021409	VM080322	0.02 ppb test
10)	Sample	100	021410	VM080322	50 ng BFB 67-152A
11)	Sample	100	021411	VM080322	rinse
12)	Sample	100	021412	VM080322	rinse
13)	Sample	100	021413	VM080322	rinse
14)	Sample	100	021414	VM080322	rinse
15)	Sample	100	021415	VM080322	rinse
16)	Sample	4	021416	VM080322	0.02 ppb 8260 CCV 68-127F
17)	Sample	5	021417	VM080322	0.04 ppb 8260 CCV 68-127G
18)	Sample	6	021418	VM080322	0.1 ppb 8260 CCV 68-127H
19)	Sample	7	021419	VM080322	0.2 ppb 8260 CCV 68-127I
20)	Sample	8	021420	VM080322	0.5 ppb 8260 CCV 68-127J
21)	Sample	9	021421	VM080322	1 ppb 8260 CCV 68-127K
22)	Sample	10	021422	VM080322	2 ppb 8260 CCV 68-127L
23)	Sample	11	021423	VM080322	5 ppb 8260 CCV 68-127M
24)	Sample	12	021424	VM080322	10 ppb 8260 CCV 68-127N
25)	Sample	13	021425	VM080322	20 ppb 8260 CCV 68-127O
26)	Sample	14	021426	VM080322	50 ppb 8260 CCV 68-127Q
27)	Sample	15	021427	VM080322	100 ppb 8260 CCV 68-127S
28)	Sample	16	021428	VM080322	150 ppb 8260 CCV 68-127T
29)	Sample	17	021429	VM080322	200 ppb 8260 CCV 68-127U
30)	Sample	18	021430	VM080322	rinse vial
31)	Sample	19	021431	VM080322	10 ppb 8260 SCV 68-134A
32)	Sample	100	021432	VM080322	rinse
33)	Sample	100	021433	VM080322	rinse
34)	Sample	100	021434	VM080322	rinse

Injection Log

Data Directory: U:\GCMS13\GCMS13_Data\02-14-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 021401.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:21 am
2) 021402.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:44 am
3) 021403.D	VM080322.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	14 Feb 2023 06:07 am
4) 021404.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	2	1.000	14 Feb 2023 07:46 am
5) 021405.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:22 am
6) 021406.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:44 am
7) 021407.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 12:07 pm
8) 021408.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 01:06 pm
9) 021409.D	VM080322.M			
0.02 ppb test	soil/water	3	1.000	14 Feb 2023 01:40 pm
10) 021410.D	VM080322.M			
[redacted]	direct inject	100	1.000	14 Feb 2023 02:17 pm
11) 021411.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 02:55 pm
12) 021412.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:18 pm
13) 021413.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:41 pm
14) 021414.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:04 pm
15) 021415.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:27 pm
16) 021416.D	VM080322.M			
0.02 ppb 8260 CCV ..	Soil/water	4	1.000	14 Feb 2023 04:51 pm
17) 021417.D	VM080322.M			
0.04 ppb 8260 CCV ..	Soil/water	5	1.000	14 Feb 2023 05:14 pm
18) 021418.D	VM080322.M			
0.1 ppb 8260 CCV 6..	Soil/water	6	1.000	14 Feb 2023 05:37 pm
19) 021419.D	VM080322.M			
0.2 ppb 8260 CCV 6..	Soil/water	7	1.000	14 Feb 2023 06:01 pm
20) 021420.D	VM080322.M			
0.5 ppb 8260 CCV 6..	Soil/water	8	1.000	14 Feb 2023 06:24 pm
21) 021421.D	VM080322.M			

1 ppb 8260 CCV 68-..	Soil/water	9	1.000	14 Feb 2023	06:47 pm
22) 021422.D	VM080322.M				
2 ppb 8260 CCV 68-..	Soil/water	10	1.000	14 Feb 2023	07:10 pm
23) 021423.D	VM080322.M				
5 ppb 8260 CCV 68-..	Soil/water	11	1.000	14 Feb 2023	07:33 pm
24) 021424.D	VM080322.M				
10 ppb 8260 CCV 68..	Soil/water	12	1.000	14 Feb 2023	07:56 pm
25) 021425.D	VM080322.M				
20 ppb 8260 CCV 68..	Soil/water	13	1.000	14 Feb 2023	08:20 pm
26) 021426.D	VM080322.M				
50 ppb 8260 CCV 68..	Soil/water	14	1.000	14 Feb 2023	08:43 pm
27) 021427.D	VM080322.M				
100 ppb 8260 CCV 6..	Soil/water	15	1.000	14 Feb 2023	09:06 pm
28) 021428.D	VM080322.M				
150 ppb 8260 CCV 6..	Soil/water	16	1.000	14 Feb 2023	09:29 pm
29) 021429.D	VM080322.M				
200 ppb 8260 CCV ..	Soil/water	17	1.000	14 Feb 2023	09:53 pm
30) 021430.D	VM080322.M				
rinse vial	Soil/water	18	1.000	14 Feb 2023	10:16 pm
31) 021431.D	VM080322.M				
10 ppb 8260 SCV 68..	Soil/water	19	1.000	14 Feb 2023	10:39 pm
32) 021432.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:02 pm
33) 021433.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:25 pm
34) 021434.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:48 pm

Sequence Name: D:\GCMS11\sequence\02-22-23.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\02-22-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022201	VM080522	rinse
2)	Sample	1	022202	VM080522	10 ppb 8260 CCV 67-97N
3)	Sample	100	022203	VM080522	rinse
4)	Sample	100	022204	VM080522	50 ng BFB 67-152A
5)	Sample	100	022205	VM080522	50 ng BFB 67-152A
6)	Sample	100	022206	VM080522	rinse
7)	Sample	100	022207	VM080522	rinse
8)	Sample	100	022208	VM080522	rinse
9)	Sample	100	022209	VM080522	rinse
10)	Sample	100	022210	VM080522	rinse
11)	Sample	100	022211	VM080522	rinse
12)	Sample	100	022212	VM080522	rinse
13)	Sample	2	022213	VM080522	0.02 ppb 8260 CCV 68-136F
14)	Sample	3	022214	VM080522	0.04 ppb 8260 CCV68-136G
15)	Sample	4	022215	VM080522	0.1 ppb 8260 CCV 68-136H
16)	Sample	5	022216	VM080522	0.2 ppb 8260 CCV 68-136I
17)	Sample	6	022217	VM080522	0.5 ppb 8260 CCV 68-136J
18)	Sample	7	022218	VM080522	1 ppb 8260 CCV 68-136K
19)	Sample	8	022219	VM080522	2 ppb 8260 CCV 68-136L
20)	Sample	9	022220	VM080522	5 ppb 8260 CCV 68-136M
21)	Sample	10	022221	VM080522	10 ppb 8260 CCV 68-136N
22)	Sample	11	022222	VM080522	20 ppb 8260 CCV 68-136O
23)	Sample	12	022223	VM080522	50 ppb 8260 CCV 68-136Q
24)	Sample	13	022224	VM080522	100 ppb 8260 CCV 68-136S
25)	Sample	14	022225	VM080522	150 ppb 8260 CCV 68-136T
26)	Sample	15	022226	VM080522	200 ppb 8260 CCV 68-136U
27)	Sample	16	022227	VM080522	rinse
28)	Sample	17	022228	VM080522	10 ppb 8260 SCV 68-134C
29)	Sample	100	022229	VM080522	rinse
30)	Sample	100	022230	VM080522	rinse
31)	Sample	100	022231	VM080522	rinse
32)	Sample	100	022232	VM080522	rinse

Injection Log

Data Directory: Y:\Proc_GCMS11\02-22-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022203.D	VM080522.M			
No data found			0.000	N/A
2) 022201.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 05:13 am
3) 022202.D	VM080522.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	22 Feb 2023 05:35 am
4) 022204.D	VM080522.M			
50 ng BFB 67-152A	direct inj	100	1.000	22 Feb 2023 01:03 pm
5) 022205.D	VM080522.M			
50 ng BFB 67-152A	direct inj	100	1.000	22 Feb 2023 01:47 pm
6) 022206.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 02:20 pm
7) 022207.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 02:43 pm
8) 022208.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:05 pm
9) 022209.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:27 pm
10) 022210.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:49 pm
11) 022211.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 04:11 pm
12) 022212.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 04:33 pm
13) 022213.D	VM080522.M			
0.02 ppb 8260 CCV ..	soil/water	2	1.000	22 Feb 2023 04:56 pm
14) 022214.D	VM080522.M			
0.04 ppb 8260 CCV6..	soil/water	3	1.000	22 Feb 2023 05:18 pm
15) 022215.D	VM080522.M			
0.1 ppb 8260 CCV 6..	soil/water	4	1.000	22 Feb 2023 05:41 pm
16) 022216.D	VM080522.M			
0.2 ppb 8260 CCV 6..	soil/water	5	1.000	22 Feb 2023 06:03 pm
17) 022217.D	VM080522.M			
0.5 ppb 8260 CCV 6..	soil/water	6	1.000	22 Feb 2023 06:25 pm
18) 022218.D	VM080522.M			
1 ppb 8260 CCV 68-..	soil/water	7	1.000	22 Feb 2023 06:48 pm
19) 022219.D	VM080522.M			
2 ppb 8260 CCV 68-..	soil/water	8	1.000	22 Feb 2023 07:11 pm
20) 022220.D	VM080522.M			
5 ppb 8260 CCV 68-..	soil/water	9	1.000	22 Feb 2023 07:33 pm
21) 022221.D	VM080522.M			

10 ppb 8260 CCV 68..	soil/water	10	1.000	22 Feb 2023	07:55 pm
22) 022222.D	VM080522.M				
20 ppb 8260 CCV 68..	soil/water	11	1.000	22 Feb 2023	08:18 pm
23) 022223.D	VM080522.M				
50 ppb 8260 CCV 68..	soil/water	12	1.000	22 Feb 2023	08:40 pm
24) 022224.D	VM080522.M				
100 ppb 8260 CCV 6..	soil/water	13	1.000	22 Feb 2023	09:03 pm
25) 022225.D	VM080522.M				
150 ppb 8260 CCV 6..	soil/water	14	1.000	22 Feb 2023	09:25 pm
26) 022226.D	VM080522.M				
200 ppb 8260 CCV 6..	soil/water	15	1.000	22 Feb 2023	09:48 pm
27) 022227.D	VM080522.M				
rinse	soil/water	16	1.000	22 Feb 2023	10:10 pm
28) 022228.D	VM080522.M				
10 ppb 8260 SCV 68..	soil/water	17	1.000	22 Feb 2023	10:32 pm
29) 022229.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	10:54 pm
30) 022230.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	11:16 pm
31) 022231.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	11:39 pm
32) 022232.D	VM080522.M				
rinse	soil/water	100	1.000	23 Feb 2023	12:01 am

Sequence Name: D:\GCMS11\sequence\02-24-23.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\02-24-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

B2(27)

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022401	VM080522	rinse
2)	Sample	100	022402	VM080522	rinse
3)	Sample	1	022403	VM080522	10 ppb 8260 CCV 67-150N
4)	Sample	2	022404	VM080522	03-0353 lcs
5)	Sample	3	022405	VM080522	03-0353 lcsd
6)	Sample	100	022406	VM080522	rinse
7)	Sample	4	022407	VM080522	03-0353 mb
8)	Sample	5	022408	VM080522	03-0352 mb 1/0.25
9)	Sample	6	022409	VM080522	302311-01 1/1000
10)	Sample	7	022410	VM080522	302311-02 1/1000
11)	Sample	100	022411	VM080522	rinse
12)	Sample	100	022412	VM080522	rinse
13)	Sample	8	022413	VM080522	302300-09
14)	Sample	9	022414	VM080522	302300-04
15)	Sample	10	022415	VM080522	302300-05
16)	Sample	11	022416	VM080522	302300-06
17)	Sample	12	022417	VM080522	302300-07
18)	Sample	13	022418	VM080522	302300-01 1/10
19)	Sample	14	022419	VM080522	302300-02 1/10
20)	Sample	100	022420	VM080522	rinse
21)	Sample	15	022421	VM080522	302338-01 1/200
22)	Sample	16	022422	VM080522	302338-02 1/200
23)	Sample	100	022423	VM080522	rinse
24)	Sample	17	022424	VM080522	10 ppb 8260 CCV 67-150N
25)	Sample	18	022425	VM080522	302300-07 ms
26)	Sample	100	022426	VM080522	rinse
27)	Sample	100	022427	VM080522	rinse
28)	Sample	19	022428	VM080522	302310-32
29)	Sample	20	022429	VM080522	302310-33
30)	Sample	21	022430	VM080522	302310-34
31)	Sample	22	022431	VM080522	302310-35
32)	Sample	23	022432	VM080522	302310-37
33)	Sample	24	022433	VM080522	302338-01 1/1000
34)	Sample	25	022434	VM080522	302338-02 1/1000
35)	Sample	100	022435	VM080522	rinse
36)	Sample	26	022436	VM080522	302300-03 1/10
37)	Sample	100	022437	VM080522	rinse
38)	Sample	27	022438	VM080522	302300-08 1/100
39)	Sample	100	022439	VM080522	rinse
40)	Sample	100	022440	VM080522	rinse
41)	Sample	100	022441	VM080522	rinse

Injection Log

Data Directory: Y:\Proc_GCMS11\02-24-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022401.D rinse	VM080522.M	100	1.000	24 Feb 2023 05:29 am
2) 022402.D rinse	VM080522.M	100	1.000	24 Feb 2023 05:51 am
3) 022403.D 10 ppb 8260 CCV 67..	VM080522.M soil/water	1	1.000	24 Feb 2023 06:14 am
4) 022404.D 03-0353 lcs	VM080522.M water	2	1.000	24 Feb 2023 06:36 am
5) 022405.D 03-0353 lcsd	VM080522.M water	3	1.000	24 Feb 2023 06:58 am
6) 022406.D rinse	VM080522.M soil/water	100	1.000	24 Feb 2023 07:21 am
7) 022407.D 03-0353 mb	VM080522.M water	4	1.000	24 Feb 2023 07:43 am
8) 022408.D 03-0352 mb 1/0.25	VM080522.M soil	5	1.000	24 Feb 2023 08:05 am
9) 022409.D 302311-01 1/1000	VM080522.M water	6	1.000	24 Feb 2023 08:28 am
10) 022410.D 302311-02 1/1000	VM080522.M water	7	1.000	24 Feb 2023 08:50 am
11) 022411.D rinse	VM080522.M soil/water	100	1.000	24 Feb 2023 09:13 am
12) 022412.D rinse	VM080522.M soil/water	100	1.000	24 Feb 2023 09:35 am
13) 022413.D 302300-09	VM080522.M water	8	1.000	24 Feb 2023 09:57 am
14) 022414.D 302300-04	VM080522.M water	9	1.000	24 Feb 2023 10:20 am
15) 022415.D 302300-05	VM080522.M water	10	1.000	24 Feb 2023 10:42 am
16) 022416.D 302300-06	VM080522.M water	11	1.000	24 Feb 2023 11:05 am
17) 022417.D 302300-07	VM080522.M water	12	1.000	24 Feb 2023 11:27 am
18) 022418.D 302300-01 1/10	VM080522.M water	13	1.000	24 Feb 2023 11:50 am
19) 022419.D 302300-02 1/10	VM080522.M water	14	1.000	24 Feb 2023 12:12 pm
20) 022420.D rinse	VM080522.M soil/water	100	1.000	24 Feb 2023 12:34 pm
21) 022421.D	VM080522.M			

302338-01 1/200	water	Screen	15	1.000	24 Feb 2023	12:57 pm
22) 022422.D		VM080522.M				
302338-02 1/200	water		16	1.000	24 Feb 2023	01:20 pm
23) 022423.D		VM080522.M				
rinse	soil/water		100	1.000	24 Feb 2023	01:42 pm
24) 022424.D		VM080522.M				
10 ppb 8260 CCV 67..	water/soil		17	1.000	24 Feb 2023	02:04 pm
25) 022425.D		VM080522.M				
302300-07 ms	water		18	1.000	24 Feb 2023	02:49 pm
26) 022426.D		VM080522.M				
rinse	soil/water		100	1.000	24 Feb 2023	03:12 pm
27) 022427.D		VM080522.M				
rinse	soil/water		100	1.000	24 Feb 2023	03:34 pm
28) 022428.D		VM080522.M				
302310-32	water		19	1.000	24 Feb 2023	03:56 pm
29) 022429.D		VM080522.M				
302310-33	water		20	1.000	24 Feb 2023	04:19 pm
30) 022430.D		VM080522.M				
302310-34	water		21	1.000	24 Feb 2023	04:41 pm
31) 022431.D		VM080522.M				
302310-35	water		22	1.000	24 Feb 2023	05:04 pm
32) 022432.D		VM080522.M				
302310-37	water		23	1.000	24 Feb 2023	05:26 pm
33) 022433.D		VM080522.M				
302338-01 1/1000	water		24	1.000	24 Feb 2023	05:48 pm
34) 022434.D		VM080522.M				
302338-02 1/1000	water		25	1.000	24 Feb 2023	06:11 pm
35) 022435.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	06:33 pm
36) 022436.D		VM080522.M				
302300-03 1/10	water		26	1.000	24 Feb 2023	06:56 pm
37) 022437.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	07:18 pm
38) 022438.D		VM080522.M				
302300-08 1/100	water		27	1.000	24 Feb 2023	07:40 pm
39) 022439.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	08:02 pm
40) 022440.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	08:24 pm
41) 022441.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	08:46 pm
42) 022442.D		VM080522.M				
rinse	water		100	1.000	24 Feb 2023	09:08 pm

Sequence Name: D:\GCMS13\sequence\03-06-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\03-06-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

B317

Method Sections To Run	Sequence Barcode Options
(X) Full Method	( ) On Mismatch, Inject Anyway
( ) Reprocessing Only	( ) On Mismatch, Don't Inject
	(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	030601	VM080322	rinse
2)	Sample	100	030602	VM080322	rinse
3)	Sample	1	030603	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	030604	VM080322	03-0373 lcs
5)	Sample	3	030605	VM080322	03-0373 lcsd
6)	Sample	100	030606	VM080322	rinse
7)	Sample	4	030607	VM080322	03-0373 mb
8)	Sample	5	030608	VM080322	03-0372 mb 1/0.25
9)	Sample	100	030609	VM080322	rinse
10)	Sample	100	030610	VM080322	rinse
11)	Sample	100	030611	VM080322	rinse
12)	Sample	100	030612	VM080322	rinse
13)	Sample	100	030613	VM080322	rinse
14)	Sample	100	030614	VM080322	rinse
15)	Sample	100	030615	VM080322	rinse
16)	Sample	6	030616	VM080322	10 ppb 8260 CCV 68-136N
17)	Sample	100	030617	VM080322	rinse
18)	Sample	100	030618	VM080322	rinse
19)	Sample	100	030619	VM080322	rinse
20)	Sample	100	030620	VM080322	rinse
21)	Sample	7	030621	VM080322	03-0348 mb rr
22)	Sample	8	030622	VM080322	03-0353 mb rr
23)	Sample	9	030623	VM080322	302322-01 rr
24)	Sample	10	030624	VM080322	302300-09 rr
25)	Sample	11	030625	VM080322	302330-03 rr
26)	Sample	12	030626	VM080322	302330-09 rr
27)	Sample	13	030627	VM080322	302300-07 rr
28)	Sample	14	030628	VM080322	302300-05 1/10
29)	Sample	15	030629	VM080322	303038-02 ms
30)	Sample	100	030630	VM080322	rinse
31)	Sample	16	030631	VM080322	303038-11
32)	Sample	17	030632	VM080322	303038-01
33)	Sample	18	030633	VM080322	303038-02
34)	Sample	19	030634	VM080322	303038-03
35)	Sample	20	030635	VM080322	303038-05
36)	Sample	21	030636	VM080322	303038-06
37)	Sample	22	030637	VM080322	303038-07
38)	Sample	23	030638	VM080322	303038-08
39)	Sample	24	030639	VM080322	303038-04 1/10
40)	Sample	100	030640	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\03-06-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 030601.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 05:13 am
2) 030602.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 05:36 am
3) 030603.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	06 Mar 2023 05:59 am
4) 030604.D	VM080322.M			
03-0373 lcs	water	2	1.000	06 Mar 2023 06:22 am
5) 030605.D	VM080322.M			
03-0373 lcsd	water	3	1.000	06 Mar 2023 06:45 am
6) 030606.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 07:09 am
7) 030607.D	VM080322.M			
03-0373 mb	water	4	1.000	06 Mar 2023 07:32 am
8) 030608.D	VM080322.M			
03-0372 mb 1/0.25	soil	5	1.000	06 Mar 2023 07:55 am
9) 030609.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 10:39 am
10) 030610.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 11:01 am
11) 030611.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 11:24 am
12) 030612.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:19 pm
13) 030613.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:36 pm
14) 030614.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:59 pm
15) 030615.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 01:22 pm
16) 030616.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	6	1.000	06 Mar 2023 01:45 pm
17) 030617.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:08 pm
18) 030618.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:30 pm
19) 030619.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:53 pm
20) 030620.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 03:16 pm
21) 030621.D	VM080322.M			

03-0348 mb rr	water		7	1.000	06 Mar 2023	03:31 pm
22) 030622.D		VM080322.M				
03-0353 mb rr	water		8	1.000	06 Mar 2023	04:02 pm
23) 030623.D		VM080322.M				
302322-01 rr	water		9	1.000	06 Mar 2023	04:25 pm
24) 030624.D		VM080322.M				
302300-09 rr	water		10	1.000	06 Mar 2023	04:48 pm
25) 030625.D		VM080322.M				
302330-03 rr	water		11	1.000	06 Mar 2023	05:11 pm
26) 030626.D		VM080322.M				
302330-09 rr	water		12	1.000	06 Mar 2023	05:35 pm
27) 030627.D		VM080322.M				
302300-07 rr	water		13	1.000	06 Mar 2023	05:58 pm
28) 030628.D		VM080322.M				
302300-05 1/10	water		14	1.000	06 Mar 2023	06:21 pm
29) 030629.D		VM080322.M				
303038-02 ms	water		15	1.000	06 Mar 2023	06:44 pm
30) 030630.D		VM080322.M				
rinse	water		100	1.000	06 Mar 2023	07:07 pm
31) 030631.D		VM080322.M				
303038-11	water		16	1.000	06 Mar 2023	07:30 pm
32) 030632.D		VM080322.M				
303038-01	water		17	1.000	06 Mar 2023	07:53 pm
33) 030633.D		VM080322.M				
303038-02	water		18	1.000	06 Mar 2023	08:16 pm
34) 030634.D		VM080322.M				
303038-03	water		19	1.000	06 Mar 2023	08:39 pm
35) 030635.D		VM080322.M				
303038-05	water		20	1.000	06 Mar 2023	09:02 pm
36) 030636.D		VM080322.M				
303038-06	water		21	1.000	06 Mar 2023	09:25 pm
37) 030637.D		VM080322.M				
303038-07	water		22	1.000	06 Mar 2023	09:48 pm
38) 030638.D		VM080322.M				
303038-08	water		23	1.000	06 Mar 2023	10:11 pm
39) 030639.D		VM080322.M				
303038-04 1/10	water		24	1.000	06 Mar 2023	10:34 pm
40) 030640.D		VM080322.M				
rinse	water		100	1.000	06 Mar 2023	10:57 pm

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 13 Sequence Date: 2.14.23 Shift # 3

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	2/15
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 02/15/23
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 2.22.23 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	2/23
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: RTs updated after calculations

Attach this sheet to raw data package.

YA 02/23/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 2.24.22 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	2/25
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	Y	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	acel, MCKL	
Non-Conformance Report filled out (if needed)		

Notes:

Attach this sheet to raw data package.

YA 02/27/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 Sequence Date: 2.24.23 Shift # D2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	2/27
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	N	
Matrix spike (MS) analyzed	Y	
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: Chloromethane, acet, MEK/

Attach this sheet to raw data package.

YA 02/27/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 3.6.23 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	3/9
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	N	
Matrix spike (MS) analyzed	✓	
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed	dichlorodifluoroTP	
Non-Conformance Report filled out (if needed)		

Notes:

Attach this sheet to raw data package.

YA 03/09/23
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : U:\GCMS13\GCMS13_Data\02-14-23\021410.D
Tune Time : 14 Feb 2023 02:17 pm

Daily Calibration File : U:\GCMS13\GCMS13_Data\02-14-23\021424.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						66660	55853	31852
File	Sample	Surrogate Recovery %				Internal Standard Responses		
021416.D	0.02 ppb 8	103	108	102	102	64603	58994	33520
021417.D	0.04 ppb 8	95	92	93	102	70232	58100	33383
021418.D	0.1 ppb 82	101	100	103	101	63727	58408	33364
021419.D	0.2 ppb 82	97	93	94	101	67422	56491	32724
021420.D	0.5 ppb 82	103	104	101	102	63984	57214	33099
021421.D	1 ppb 8260	96	97	92	101	69009	57563	32787
021422.D	2 ppb 8260	92	89	94	100	68352	58200	33183
021423.D	5 ppb 8260	100	101	101	99	63140	55777	33064
021424.D	10 ppb 826	95	101	92	101	66660	55853	31852
021425.D	20 ppb 826	103	103	103	100	58597	53628	30943
021426.D	50 ppb 826	105	101	106	95	54707	52254	30340
021427.D	100 ppb 82	105	105	106	97	53347	50610	29761
021428.D	150 ppb 82	105	105	106	99	53199	49596	28754
021429.D	200 ppb 8	102	103	105	99	52882	49700	28223
021431.D	10 ppb 826	102	98	103	98	60557	55535	32100

(fails) - fails 12hr time check * - fails criteria

Created: Wed Feb 15 11:16:45 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-22-23\022205.D
Tune Time : 22 Feb 2023 01:47 pm

Daily Calibration File : Y:\Proc_GCMS11\02-22-23\022221.D

		(DMF)	(DHL)	(TOL)	(BFB)	292579	243407	141583
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022213.D	0.02 ppb 8	105	104	94	98	306717	234300	137411
022214.D	0.04 ppb 8	100	107	100	101	322266	257183	153339
022215.D	0.1 ppb 82	98	97	100	100	323431	257268	152741
022216.D	0.2 ppb 82	99	97	96	96	309082	236586	142122
022217.D	0.5 ppb 82	100	107	98	100	317376	254259	149235
022218.D	1 ppb 8260	102	99	102	99	318909	262133	150812
022219.D	2 ppb 8260	97	107	98	102	309658	234077	135821
022220.D	5 ppb 8260	99	94	101	95	304030	234735	143007
022221.D	10 ppb 826	106	96	106	97	292579	243407	141583
022222.D	20 ppb 826	99	100	103	102	300568	243321	141851
022223.D	50 ppb 826	103	95	99	105	303347	237018	140461
022224.D	100 ppb 82	99	107	108	102	302509	249218	146018
022225.D	150 ppb 82	97	98	97	102	307800	242236	138126
022226.D	200 ppb 82	97	93	100	101	308112	242097	142594
022228.D	10 ppb 826	101	89	96	101	302202	237061	133194

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 23 11:18:03 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-24-23\022403.D
Tune Time : 24 Feb 2023 06:14 am

Daily Calibration File : Y:\Proc_GCMS11\02-24-23\022403.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						283596	215285	131374
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022404.D								
	03-0353 lc	103	99	102	99	278365	216800	125200
022405.D								
	03-0353 lc	106	93	95	100	261714	190254	112815
022407.D								
	03-0353 mb	104	97	98	96	275460	215600	128634
022409.D								
	302311-01	105	108	104	97	261969	210298	129277
022410.D								
	302311-02	99	93	94	97	261138	201324	123139
022413.D								
	302300-09	106	100	94	96	254983	188251	114285
022414.D								
	302300-04	101	94	108	114	261913	204733	120709
022415.D								
	302300-05	104	102	110	98	260035	219061	131773
022416.D								
	302300-06	104	90	102	105	265498	211634	127199
022417.D								
	302300-07	102	109	97	94	267961	210699	127940
022418.D								
	302300-01	96	100	97	99	261442	209738	127976
022419.D								
	302300-02	103	97	99	98	252966	205073	124111

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 27 10:38:05 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-24-23\022424.D
Tune Time : 24 Feb 2023 02:04 pm

Daily Calibration File : Y:\Proc_GCMS11\02-24-23\022424.D

		(DMF)	(DHL)	(TOL)	(BFB)	192748	145278	93103
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022425.D	302300-07	104	102	104	99	201913	172057	104868
022428.D	302310-32	107	92	103	100	210797	177963	107314
022429.D	302310-33	97	98	99	91	211016	171610	102754
022430.D	302310-34	105	98	98	92	214736	172239	109284
022431.D	302310-35	103	110	105	94	206567	168841	106939
022432.D	302310-37	108	117	100	92	197473	162052	98835
022433.D	302338-01	108	96	104	97	200949	160591	97144
022434.D	302338-02	107	87	101	95	203040	156847	97454
022436.D	302300-03	104	91	101	95	201986	165210	99210
022438.D	302300-08	107	97	99	93	208489	166427	99617

(fails) - fails 12hr time check * - fails criteria

Created: Mon Feb 27 11:01:12 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\03-06-23\030616.D
Tune Time : 06 Mar 2023 01:45 pm

Daily Calibration File : Y:\Proc_GCMS13\03-06-23\030616.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						42788	39841	22398
File	Sample	Surrogate Recovery %				Internal Standard Responses		
030621.D								
	03-0348 mb	104	97	106	103	42489	40109	22172
030622.D								
	03-0353 mb	103	106	106	103	42138	40176	22544
030623.D								
	302322-01	106	110	107	106	42662	40593	22118
030624.D								
	302300-09	95	96	97	106	47024	40932	22305
030625.D								
	302330-03	93	95	95	105	47519	39712	22321
030626.D								
	302330-09	107	106	104	103	44728	42066	23853
030627.D								
	302300-07	101	93	103	108	48182	43154	22769
030628.D								
	302300-05	101	100	101	103	43547	39558	21850
030629.D								
	303038-02	108	107	106	99	39945	38741	21603
030631.D								
	303038-11	103	102	101	105	43638	39766	21394
030632.D								
	303038-01	102	106	102	107	43681	40290	21350
030633.D								
	303038-02	93	91	93	105	47910	39753	20733
030634.D								
	303038-03	105	104	103	103	44038	39531	21566
030635.D								
	303038-05	106	105	106	106	43371	39651	21173
030636.D								
	303038-06	104	103	104	107	43641	39669	21091
030637.D								
	303038-07	94	90	93	106	48966	39904	21466
030638.D								
	303038-08	108	104	103	105	42922	40350	21411
030639.D								
	303038-04	103	99	103	103	44165	39519	21739

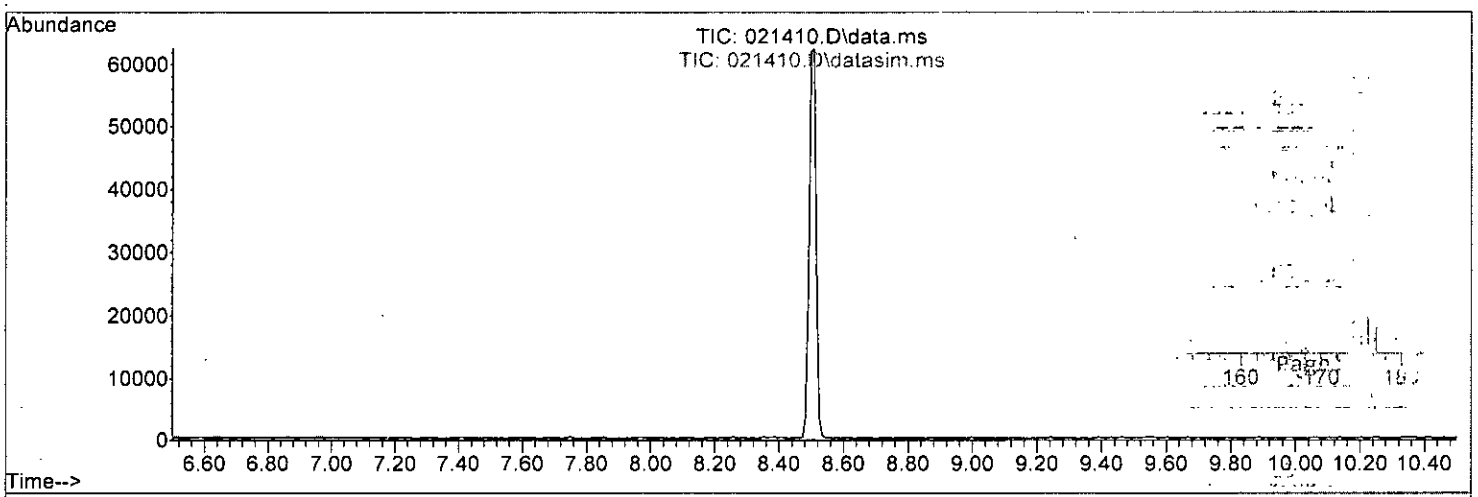
(fails) - fails 12hr time check * - fails criteria

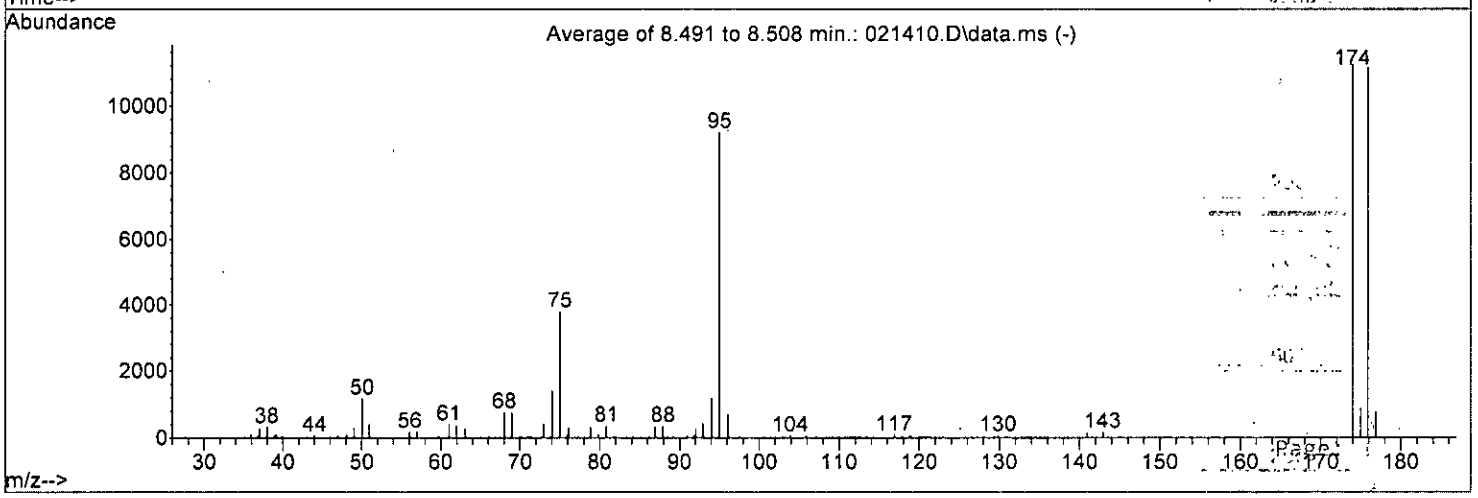
EPA 8260D
Tune Summaries

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021410.D
Acq On : 14 Feb 2023 02:17 pm
Operator : lm
Sample : 50 ng BFB 67-152A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst13\VB011223ms13LL.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
Last Update : Fri Jan 13 11:09:57 2023





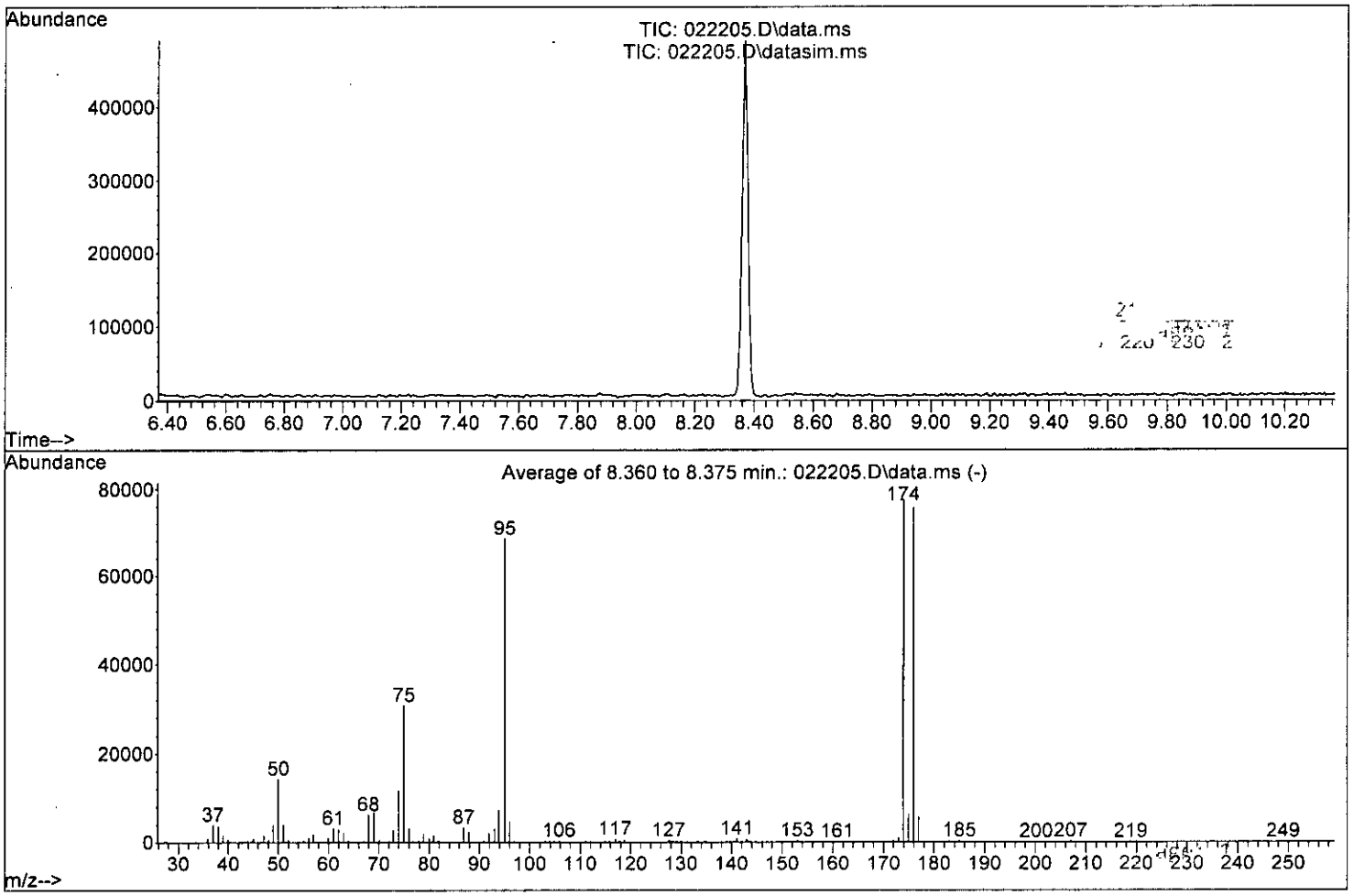
AutoFind: Scans 714, 715, 716; Background Corrected with Scan 710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	81.9	9195	PASS
96	95	5	9	7.5	686	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	122.1	11227	PASS
175	174	5	9	7.7	861	PASS
176	174	95	105	99.1	11122	PASS
177	176	5	10	6.8	759	PASS

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022205.D
Acq On : 22 Feb 2023 01:47 pm
Operator : LM
Sample : 50 ng BFB 67-152A
Misc : direct inj
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst11\VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023



AutoFind: Scans 884, 885, 886; Background Corrected with Scan 877

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	88.5	68525	PASS
96	95	5	9	6.5	4470	PASS
173	174	0.00	2	1.0	779	PASS
174	95	50	200	113.0	77440	PASS
175	174	5	9	8.0	6233	PASS
176	174	95	105	97.5	75541	PASS
177	176	5	10	7.4	5588	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Calibration Files
0.02=021416.D 0.04=021417.D 0.1 =021418.D 0.2 =021419.D 0.5 =021420.D 1 =021421.D 2 =021422.D 5 =021423.D 10 =021424.D 20 =021425.D
50 =021426.D 100 =021427.D 150 =021428.D 200 =021429.D

	Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I Fluorobenzene	ISTD															
2)	TMP Ethanol															0.000#	-1.00
3)	S Dibromofluorom...	0.320	0.295	0.316	0.301	0.322	0.299	0.286	0.312	0.296	0.322	0.326	0.328	0.328	0.320	0.312	4.51
4)	TMP Dichlorodifluo...					0.685	0.617	0.647	0.742	0.697	0.743	0.797	0.779	0.761	0.829	0.730	9.20
5)	TMP Chloromethane						0.490	0.474	0.508	0.443	0.477	0.523	0.520	0.504	0.561	0.500	6.83
6)	TMP Vinyl chloride	0.596	0.612	0.537	0.498	0.515	0.469	0.471	0.530	0.486	0.516	0.556	0.542	0.532	0.587	0.532	8.37
7)	TMP Bromomethane							0.682	0.443	0.450	0.462	0.478	0.461	0.460	0.494	0.491	16.07
8)	TMP Chloroethane				0.225	0.219	0.212	0.207	0.265	0.242	0.258	0.271	0.263	0.266	0.290	0.247	11.15
9)	TMP Trichlorofluor...				1.029	1.220	1.320	1.286	1.331	1.242	1.296	1.399	1.436	1.412	1.543	1.319	10.18
10)	TMP 2-Propanol															0.000	-1.00
11)	TMP Acetone					0.032	0.026	0.025	0.024	0.021	0.023	0.024	0.023	0.023	0.028	0.025	11.99
12)	TMP 1,1-Dichloroet...	0.519	0.491	0.446	0.394	0.423	0.397	0.379	0.479	0.415	0.430	0.450	0.435	0.434	0.472	0.440	8.97
13)	TMP Hexane					0.244	0.212	0.218	0.227	0.212	0.226	0.237	0.239	0.229	0.262	0.231	6.70
14)	TMP Methylene chlo...							0.235	0.235	0.224	0.226	0.241	0.230	0.233	0.255	0.235	4.19
15)	TMP t-Butyl alcoho...						0.019	0.018	0.020	0.019	0.020	0.022	0.021	0.022	0.025	0.021#	10.00
16)	TMP Methyl t-butyl...	0.604	0.609	0.571	0.519	0.557	0.512	0.501	0.558	0.507	0.542	0.573	0.550	0.542	0.586	0.552	6.25
17)	TMP trans-1,2-Dich...		0.299	0.330	0.286	0.280	0.260	0.257	0.290	0.261	0.277	0.291	0.280	0.280	0.305	0.284	7.02
18)	TMP Diisopropyl et...				0.438	0.519	0.426	0.477	0.465	0.453	0.484	0.509	0.497	0.489	0.536	0.481#	7.06
19)	TMP 1,1-Dichloroet...		0.349	0.331	0.307	0.334	0.310	0.305	0.330	0.304	0.325	0.342	0.329	0.327	0.356	0.327	5.13
20)	TMP Ethyl t-butyl ...				0.178	0.283	0.248	0.235	0.256	0.244	0.265	0.282	0.273	0.274	0.299	0.258	12.61
21)	TMP 2,2-Dichloropr...				0.223	0.246	0.225	0.205	0.232	0.209	0.212	0.268	0.261	0.249	0.252	0.235	9.23
22)	TMP cis-1,2-Dichlo...	0.356	0.324	0.303	0.278	0.300	0.281	0.271	0.317	0.281	0.297	0.310	0.295	0.295	0.318	0.302	7.40
23)	TMP Chloroform				0.446	0.455	0.428	0.386	0.427	0.401	0.421	0.444	0.427	0.426	0.467	0.430	5.39
24)	TMP 2-Butanone (MEK)					0.093	0.078	0.079	0.085	0.085	0.091	0.096	0.092	0.092	0.099	0.089	7.98
25)	TMP t-Amyl methyl ...				0.481	0.535	0.518	0.488	0.511	0.475	0.515	0.544	0.526	0.519	0.567	0.516	5.31
26)	TMP 1,2-Dichloroet...		0.441	0.358	0.293	0.297	0.287	0.281	0.286	0.264	0.279	0.290	0.276	0.273	0.292	0.301	15.83
27)	TMP 1,1,1-Trichlor...	0.480	0.409	0.432	0.399	0.438	0.414	0.400	0.435	0.403	0.438	0.465	0.451	0.456	0.493	0.437	6.84
28)	TMP 1,1-Dichloropr...				0.303	0.312	0.277	0.285	0.289	0.265	0.281	0.300	0.295	0.297	0.323	0.293	5.58
29)	TMP Carbon tetrach...				0.380	0.479	0.396	0.405	0.454	0.432	0.471	0.513	0.497	0.508	0.554	0.463	9.11
30)	S 1,2-Dichloroet...	0.067	0.057	0.062	0.058	0.064	0.060	0.055	0.062	0.063	0.064	0.062	0.065	0.065	0.064	0.062	5.43
31)	TMP Benzene	1.060	0.965	0.907	0.819	0.872	0.822	0.805	0.860	0.790	0.846	0.889	0.851	0.842	0.918	0.876	7.89
32)	TMP Trichloroethene	0.495	0.409	0.377	0.304	0.322	0.306	0.299	0.317	0.301	0.316	0.331	0.313	0.308	0.340	0.388	16.12
33)	TMP 1,2-Dichloropr...				0.145	0.160	0.175	0.163	0.181	0.163	0.177	0.182	0.180	0.180	0.196	0.173	8.04
34)	TMP Bromodichlorom...			0.234	0.251	0.323	0.277	0.284	0.305	0.282	0.307	0.328	0.324	0.325	0.356	0.300	11.72
35)	S Toluene-d8	0.947	0.868	0.961	0.872	0.944	0.855	0.877	0.944	0.860	0.955	0.991	0.989	0.991	0.982	0.931	5.68
36)	TMP Dibromomethane				0.149	0.172	0.161	0.164	0.173	0.160	0.171	0.184	0.178	0.179	0.194	0.171	7.42
37)	TMP 4-Methyl-2-pen...					0.035	0.040	0.040	0.041	0.040	0.043	0.047	0.046	0.046	0.051	0.043	10.85

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition

38)	TMP	cis-1,3-Dichlo...			0.319	0.224	0.320	0.287	0.271	0.283	0.277	0.302	0.344	0.347	0.351	0.387	0.309	14.34
39)	I	Chlorobenzene-d5	----------ISTD----------															
40)	TMP	Toluene	1.110	0.972	0.794	0.734	0.719	0.727	0.707	0.717	0.698	0.687	0.703	0.686	0.693	0.745	0.764	16.22
41)	TMP	trans-1,3-Dich...				0.301	0.322	0.283	0.277	0.308	0.301	0.300	0.330	0.334	0.346	0.378	0.316	9.30
42)	TMP	1,1,2-Trichlor...				0.203	0.208	0.206	0.203	0.205	0.199	0.196	0.201	0.196	0.200	0.215	0.203	2.75
43)	TMP	2-Hexanone					0.151	0.142	0.143	0.144	0.140	0.141	0.144	0.140	0.142	0.157	0.144	3.75
44)	TMP	1,3-Dichloropr...				0.338	0.398	0.344	0.348	0.346	0.320	0.321	0.327	0.323	0.324	0.348	0.340	6.61
45)	TMP	Tetrachloroethene	0.576	0.555	0.466	0.449	0.440	0.451	0.435	0.440	0.425	0.413	0.421	0.406	0.411	0.443	0.452	11.29
46)	TMP	Dibromochlorom...				0.410	0.437	0.416	0.418	0.429	0.415	0.428	0.446	0.451	0.457	0.501	0.437	6.04
47)	TMP	1,2-Dibromoeth...			0.417	0.320	0.330	0.322	0.325	0.319	0.328	0.318	0.317	0.323	0.316	0.319	0.346	0.331	8.21
48)	TMP	Chlorobenzene				0.907	0.979	0.987	0.972	0.966	0.960	0.941	0.966	0.950	0.969	1.039	0.967	3.34
49)	TMP	Ethylbenzene	1.627	1.609	1.377	1.298	1.300	1.307	1.294	1.310	1.271	1.256	1.268	1.214	1.215	1.294	1.331	9.62
50)	TMP	1,1,1,2-Tetrac...				0.382	0.351	0.390	0.364	0.390	0.384	0.384	0.399	0.399	0.409	0.447	0.391	6.28
51)	TMP	m,p-Xylene	0.750	0.704	0.610	0.578	0.580	0.584	0.578	0.585	0.567	0.552	0.553	0.529	0.528	0.564	0.590	10.62
52)	TMP	o-Xylene	0.678	0.671	0.572	0.565	0.565	0.561	0.549	0.562	0.544	0.532	0.538	0.521	0.520	0.552	0.566	8.58
53)	TMP	Styrene				0.849	0.925	0.867	0.854	0.852	0.842	0.829	0.850	0.824	0.824	0.886	0.855	3.49
54)	TMP	Isopropylbenzene				1.481	1.409	1.381	1.390	1.431	1.360	1.347	1.382	1.347	1.349	1.444	1.393	3.18
55)	TMP	Bromoform				0.268	0.284	0.277	0.266	0.285	0.278	0.281	0.305	0.313	0.323	0.360	0.295	9.64
56)	I	1,4-Dichlorobenzen...	----------ISTD----------															
57)	S	4-Bromofluorob...	0.629	0.628	0.626	0.624	0.629	0.624	0.616	0.613	0.622	0.614	0.588	0.597	0.611	0.611	0.617	1.99
58)	TMP	n-Propylbenzene				2.458	2.421	2.405	2.425	2.352	2.380	2.312	2.350	2.236	2.265	2.476	2.371	3.24
59)	TMP	Bromobenzene				0.958	0.845	0.892	0.843	0.840	0.838	0.808	0.839	0.810	0.839	0.916	0.857	5.37
60)	TMP	1,3,5-Trimethy...				1.948	2.009	2.045	1.961	1.889	1.962	1.913	1.947	1.847	1.866	2.020	1.946	3.25
61)	TMP	1,1,2,2-Tetrac...				0.423	0.497	0.491	0.495	0.463	0.458	0.453	0.471	0.457	0.480	0.514	0.473#	5.40
62)	TMP	1,2,3-Trichlor...				0.307	0.411	0.425	0.372	0.357	0.358	0.347	0.353	0.342	0.351	0.389	0.365#	9.13
63)	TMP	2-Chlorotoluene				1.494	1.451	1.543	1.456	1.403	1.403	1.336	1.351	1.264	1.279	1.403	1.399	6.17
64)	TMP	4-Chlorotoluene				1.870	1.595	1.576	1.659	1.629	1.590	1.549	1.568	1.486	1.504	1.635	1.606	6.38
65)	TMP	tert-Butylbenzene				2.234	2.051	2.115	2.049	1.970	2.043	1.966	2.042	1.964	2.000	2.160	2.054	4.17
66)	TMP	1,2,4-Trimethy...				1.878	1.992	1.957	1.960	1.986	2.002	1.967	2.027	1.953	1.995	2.181	1.991	3.71
67)	TMP	sec-Butylbenzene				2.432	2.509	2.569	2.565	2.540	2.557	2.441	2.557	2.458	2.495	2.722	2.531	3.19
68)	TMP	p-Isopropyltol...				2.428	2.387	2.422	2.449	2.447	2.534	2.455	2.579	2.484	2.503	2.743	2.494	3.97
69)	TMP	1,3-Dichlorobe...				1.630	1.563	1.614	1.491	1.472	1.510	1.456	1.510	1.477	1.505	1.651	1.534	4.48
70)	TMP	1,4-Dichlorobe...				1.566	1.446	1.550	1.487	1.457	1.450	1.390	1.455	1.407	1.438	1.569	1.474	4.21
71)	TMP	1,2-Dichlorobe...				1.456	1.488	1.504	1.428	1.398	1.431	1.383	1.443	1.413	1.446	1.587	1.452	3.92
72)	TMP	1,2-Dibromo-3-...					0.090	0.076	0.079	0.076	0.075	0.079	0.084	0.088	0.093	0.105	0.084	11.48
73)	TMP	1,2,4-Trichlor...				0.859	0.904	0.900	0.884	0.894	0.903	0.900	1.013	1.042	1.085	1.227	0.965	11.82
74)	TMP	Hexachlorobuta...				0.634	0.607	0.576	0.590	0.571	0.581	0.552	0.595	0.600	0.614	0.688	0.600	5.77
75)	TMP	Naphthalene			1.939	1.714	1.580	1.665	1.622	1.713	1.757	1.809	2.072	2.185	2.346	2.646	1.920	17.16
76)	TMP	1,2,3-Trichlor...				0.695	0.770	0.779	0.806	0.802	0.834	0.818	0.915	0.946	0.993	1.121	0.860	13.82

(#) = Out of Range

Compound List Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.74	1.000	A	1	A	B
2	T	Ethanol	45	2.34	0.495	A	1	A	B
3	S	Dibromofluoromethane	113	4.18	0.882	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.11	0.234	A	1	A	B
5	T	Chloromethane	50	1.25	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.33	0.280	L	1	A	B
7	T	Bromomethane	94	1.57	0.332	L	1	A	B
8	T	Chloroethane	-64	1.66	0.350	L	1	A	B
9	T	Trichlorofluoromethane	101	1.84	0.388	A	1	A	B
10	T	2-Propanol	45	2.34	0.495	A	1	A	B
11	T	Acetone	58	2.33	0.492	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.27	0.480	A	2	A	B
13	T	Hexane	57	3.16	0.667	A	2	A	B
14	T	Methylene chloride	84	2.69	0.569	L	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.82	0.595	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.93	0.620	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.92	0.618	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.35	0.708	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.27	0.692	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.66	0.773	L	3	A	B
21	T	2,2-Dichloropropane	77	3.76	0.795	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.77	0.796	A	2	A	B
23	T	Chloroform	83	4.04	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.79	0.801	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.61	0.974	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.52	0.954	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.19	0.885	A	2	A	B
28	T	1,1-Dichloropropene	75	4.33	0.915	A	2	A	B
29	T	Carbon tetrachloride	117	4.33	0.915	L	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.45	0.941	A	1	A	B
31	T	Benzene	-78	4.50	0.951	L	1	A	B
32	T	Trichloroethene	-95	5.05	1.067	L	3	A	B
33	T	1,2-Dichloropropane	63	5.24	1.107	A	1	A	B
34	T	Bromodichloromethane	83	5.48	1.158	L	2	A	B
35	S	Toluene-d8	98	6.11	1.289	A	1	A	B
36	T	Dibromomethane	93	5.34	1.127	A	2	A	B
37	T	4-Methyl-2-pentanone	85	6.01	1.270	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.88	1.241	Q	2	A	B
39	I	Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T	Toluene	-92	6.16	0.832	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.36	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.53	0.881	A	2	A	B
43	T	2-Hexanone	43	6.76	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.67	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.65	0.898	L	3	A	B
46	T	Dibromochloromethane	129	6.87	0.928	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.97	0.941	A	2	A	B
48	T	Chlorobenzene	112	7.43	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.54	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.65	1.033	L	1	A	B
52	T	o-Xylene	-106	8.02	1.083	L	1	A	B
53	T	Styrene	104	8.03	1.084	A	1	A	B
54	T	Isopropylbenzene	105	8.37	1.130	A	1	A	
55	T	Bromoform	173	8.20	1.107	A	2	A	

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.76	0.910	A	1	A	B
59	T	Bromobenzene	156	8.65	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.93	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.69	0.903	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	L	1	A	B
64	T	4-Chlorotoluene	91	8.94	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.24	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.29	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.60	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.55	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.77	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.205	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.83	1.229	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.07	1.254	Q	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB021423ms13.M Wed Feb 15 11:17:18 2023

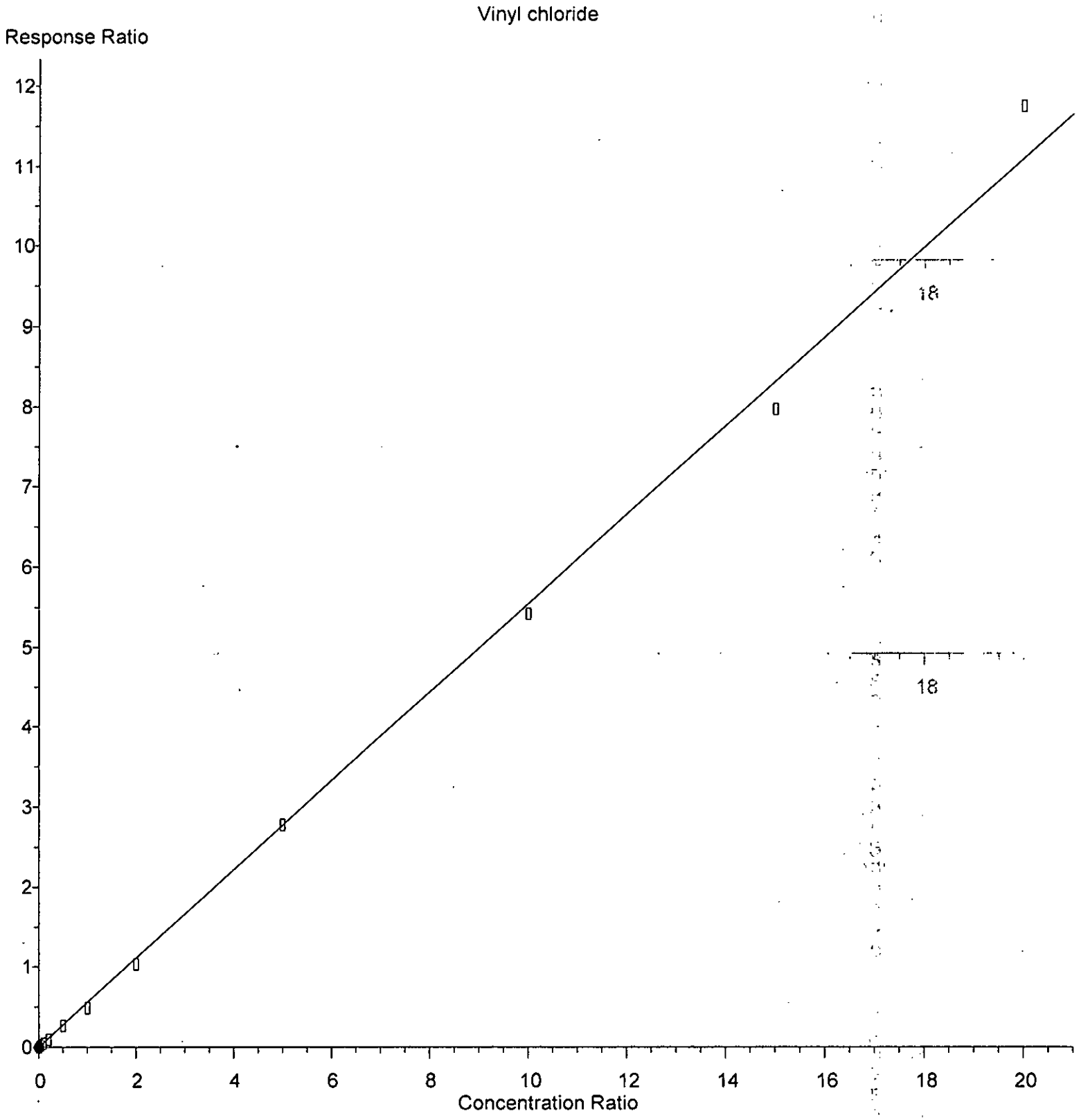
Calibration Status Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

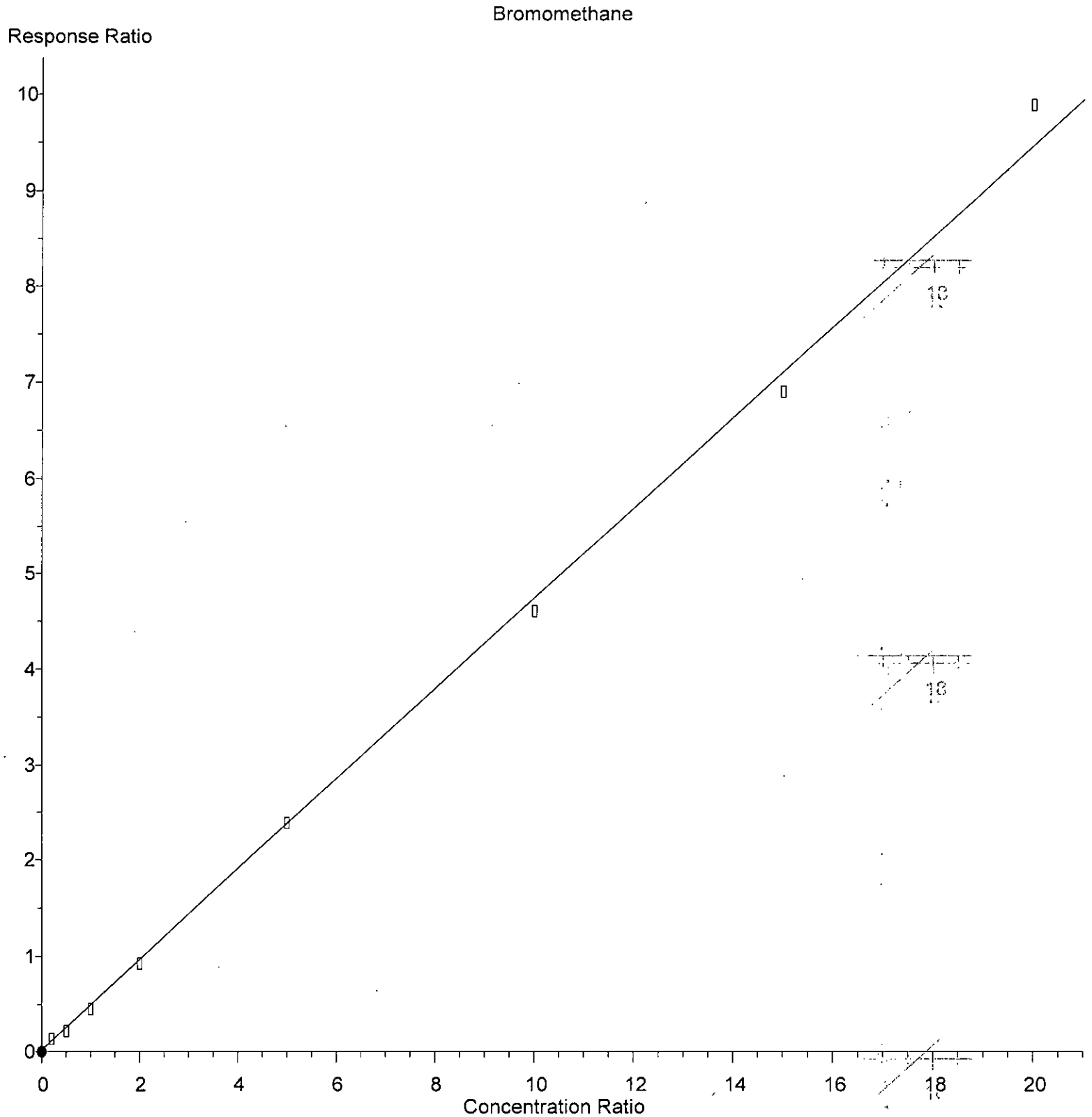
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1	0.02	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021416.D
2	0.04	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021417.D
3	0.1	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021418.D
4	0.2	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021419.D
5	0.5	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021420.D
6	1	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021421.D
7	2	2	10	U:\GCMS13\GCMS13_Data\02-14-23\021422.D
8	5	5	10	U:\GCMS13\GCMS13_Data\02-14-23\021423.D
9	10	10	10	U:\GCMS13\GCMS13_Data\02-14-23\021424.D
10	20	20	10	U:\GCMS13\GCMS13_Data\02-14-23\021425.D
11	50	50	10	U:\GCMS13\GCMS13_Data\02-14-23\021426.D
12	100	100	10	U:\GCMS13\GCMS13_Data\02-14-23\021427.D
13	150	150	10	U:\GCMS13\GCMS13_Data\02-14-23\021428.D
14	200	200	10	U:\GCMS13\GCMS13_Data\02-14-23\021429.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 04:51 pm
2	0.04	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 05:14 pm
3	0.1	Feb 15 09:25 2023	Feb 15 09:27 2023	14 Feb 2023 05:37 pm
4	0.2	Feb 15 09:25 2023	Feb 15 09:28 2023	14 Feb 2023 06:01 pm
5	0.5	Feb 15 09:25 2023	Feb 15 09:29 2023	14 Feb 2023 06:24 pm
6	1	Feb 15 09:52 2023	Feb 15 09:59 2023	14 Feb 2023 06:47 pm
7	2	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:10 pm
8	5	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:33 pm
9	10	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 07:56 pm
10	20	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:20 pm
11	50	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:43 pm
12	100	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:06 pm
13	150	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:29 pm
14	200	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:53 pm

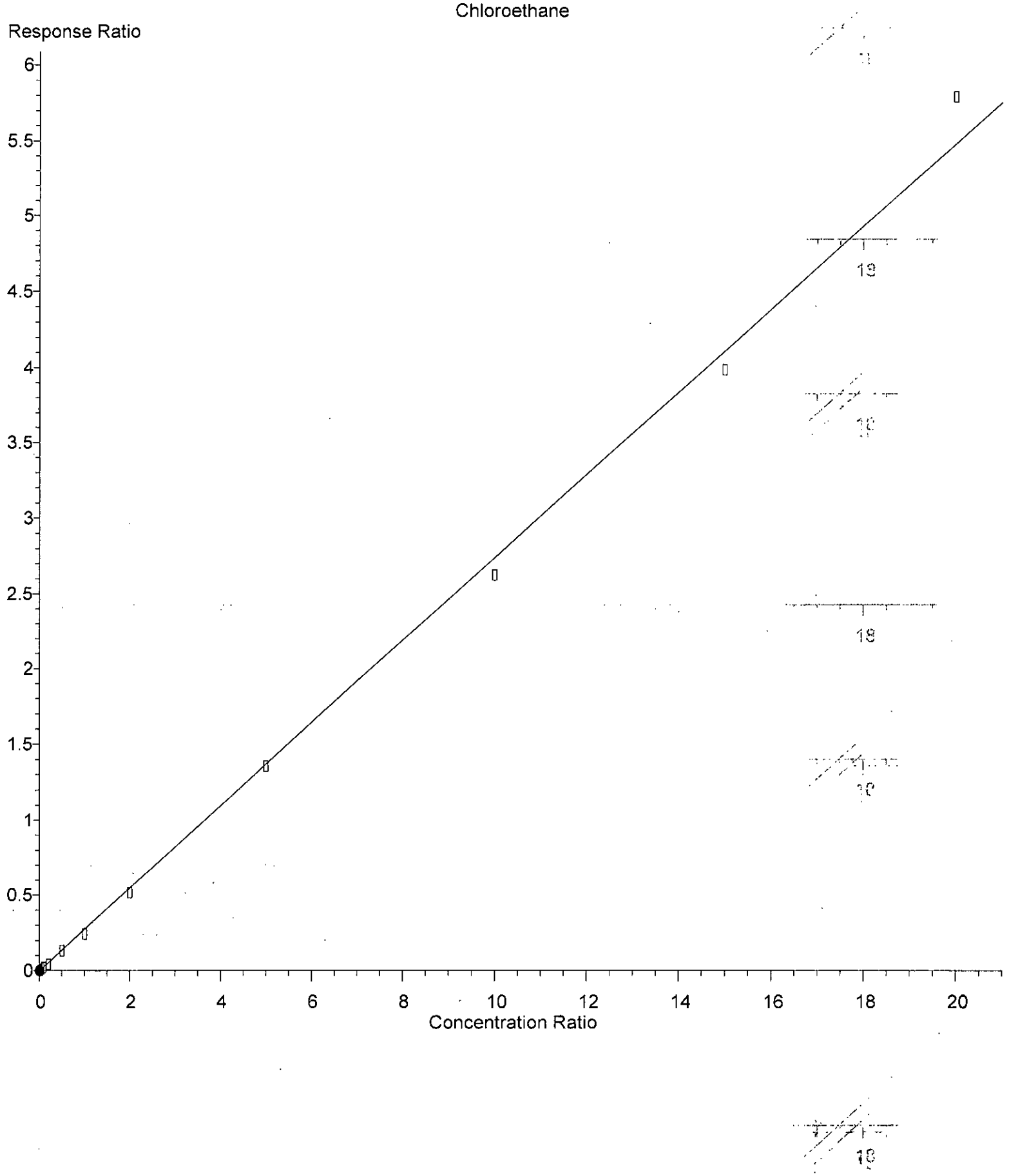
VB021423ms13.M Wed Feb 15 11:17:25 2023



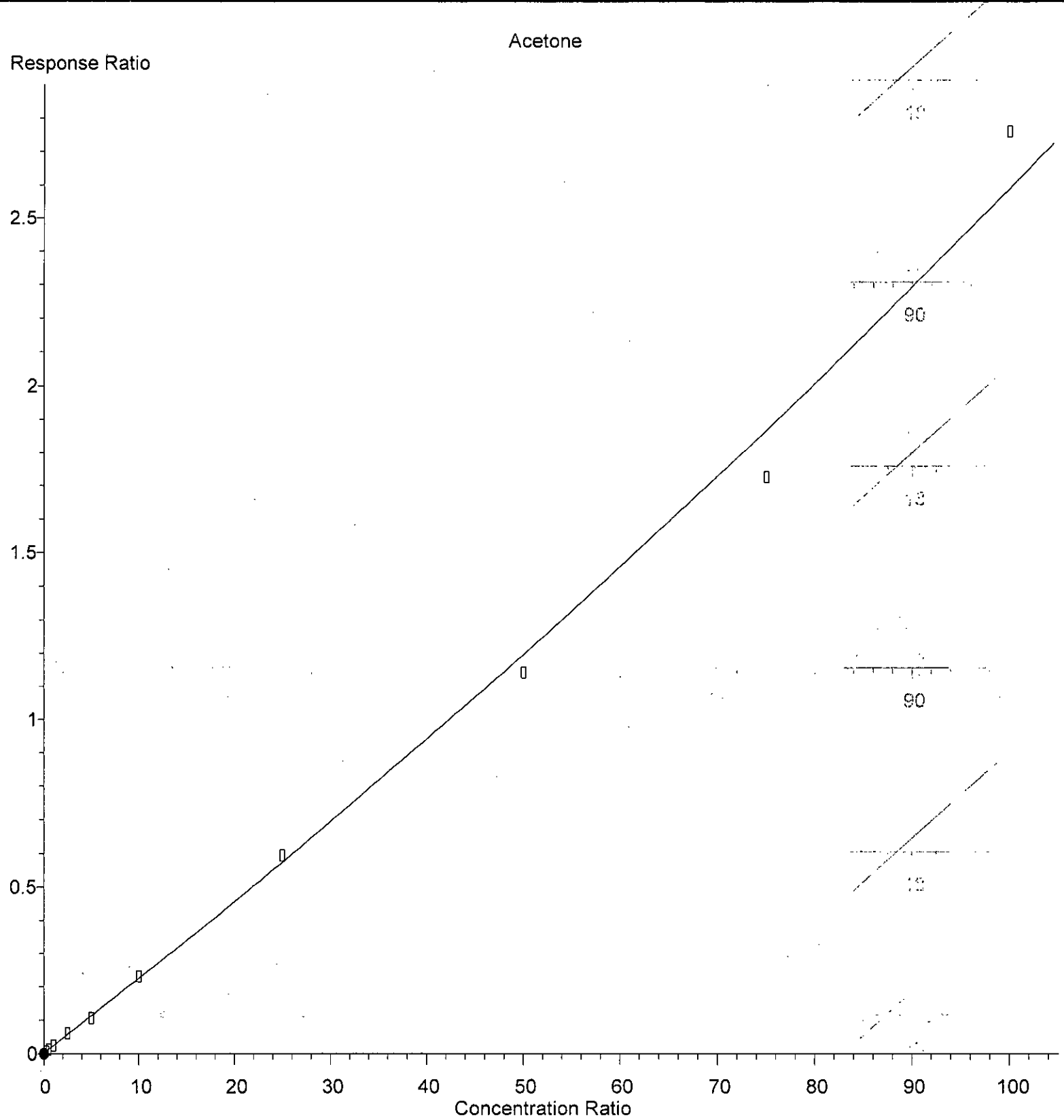
Response = 5.549e-001 * Amt - 3.415e-004
Coef of Det (r^2) = 0.997527 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



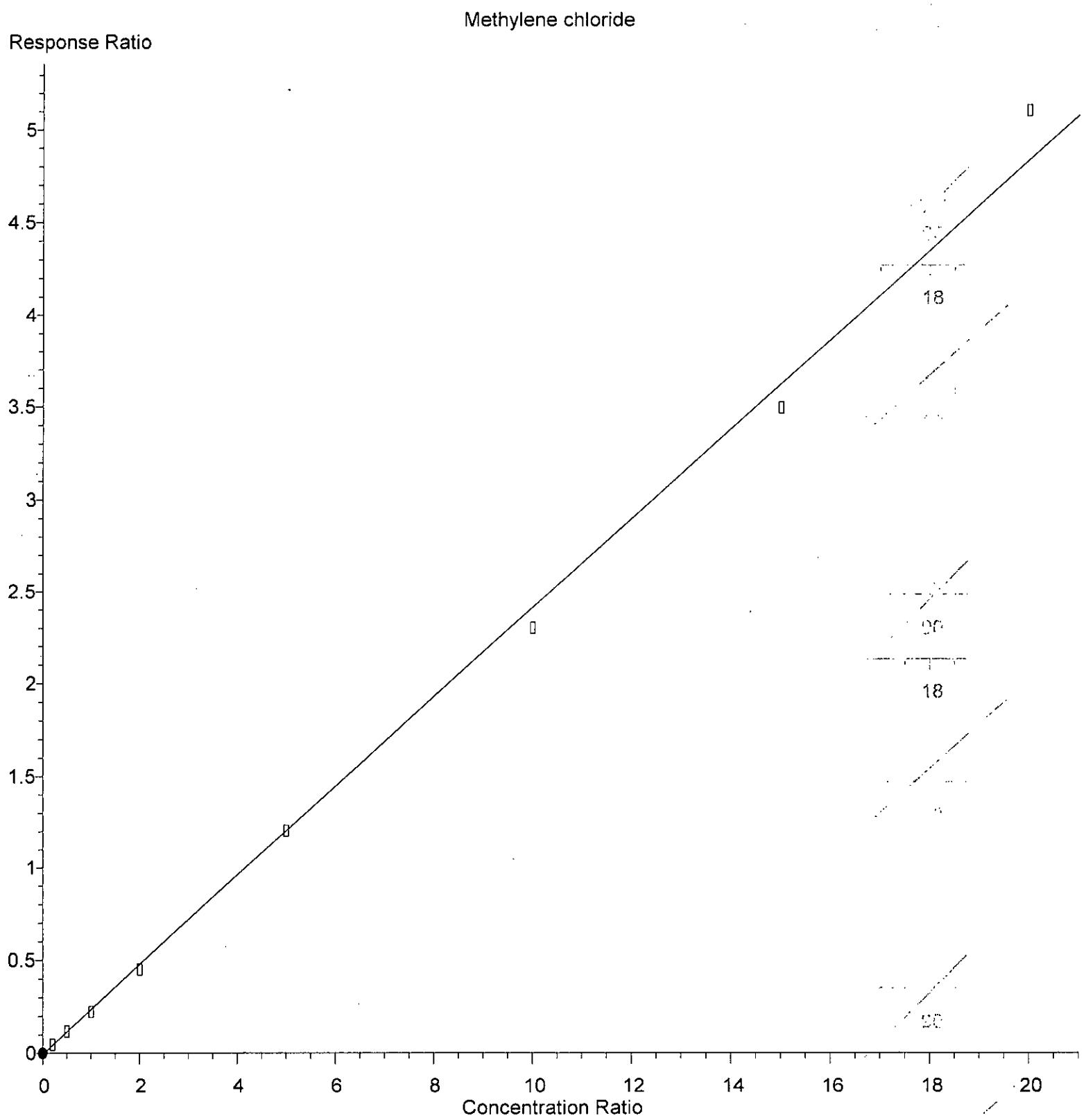
Response = 4.727e-001 * Amt + 1.654e-002
Coef of Det (r^2) = 0.997996 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



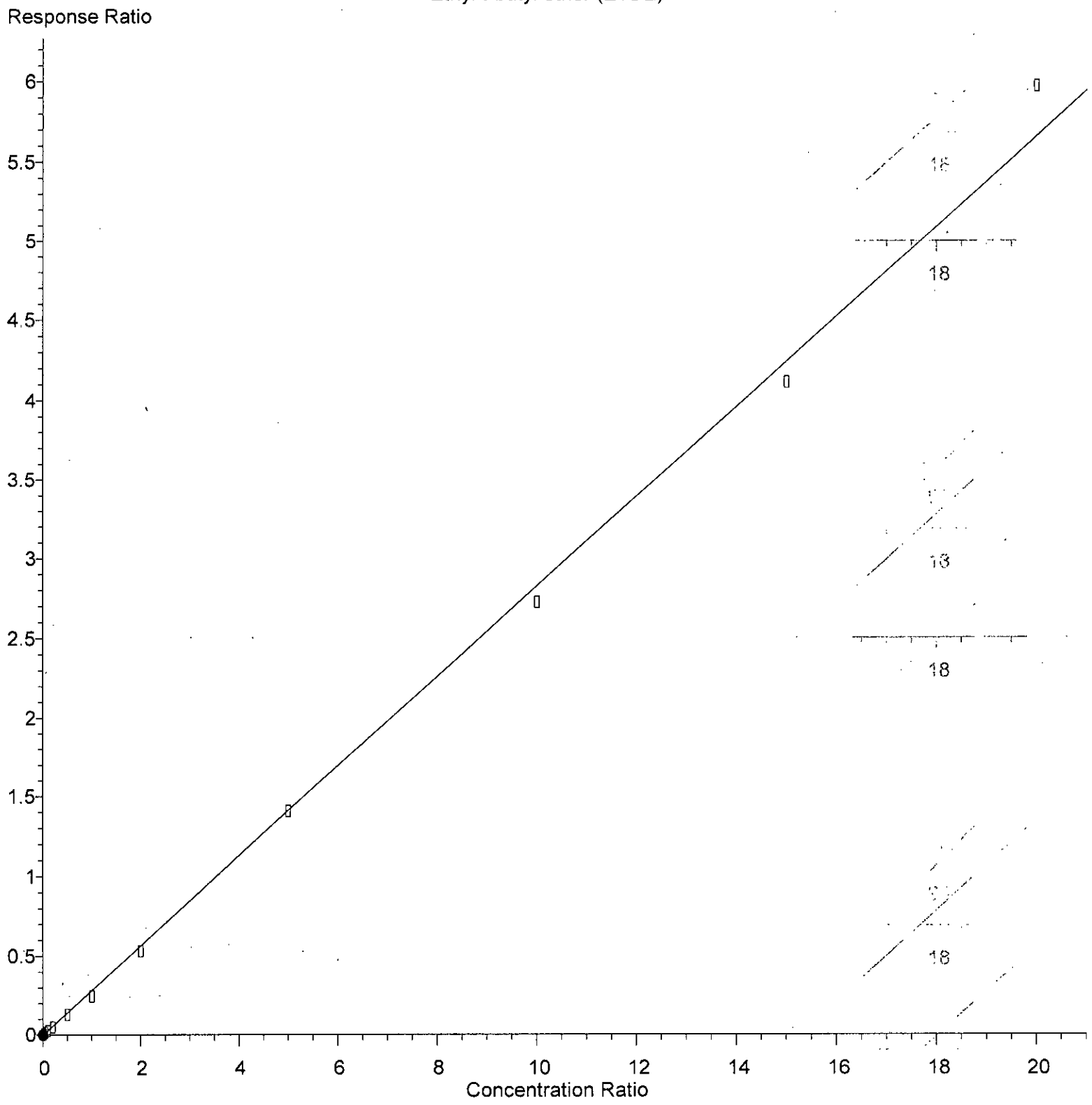
Response = 2.743e-001 * Amt - 3.364e-003
Coef of Det (r^2) = 0.997674 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



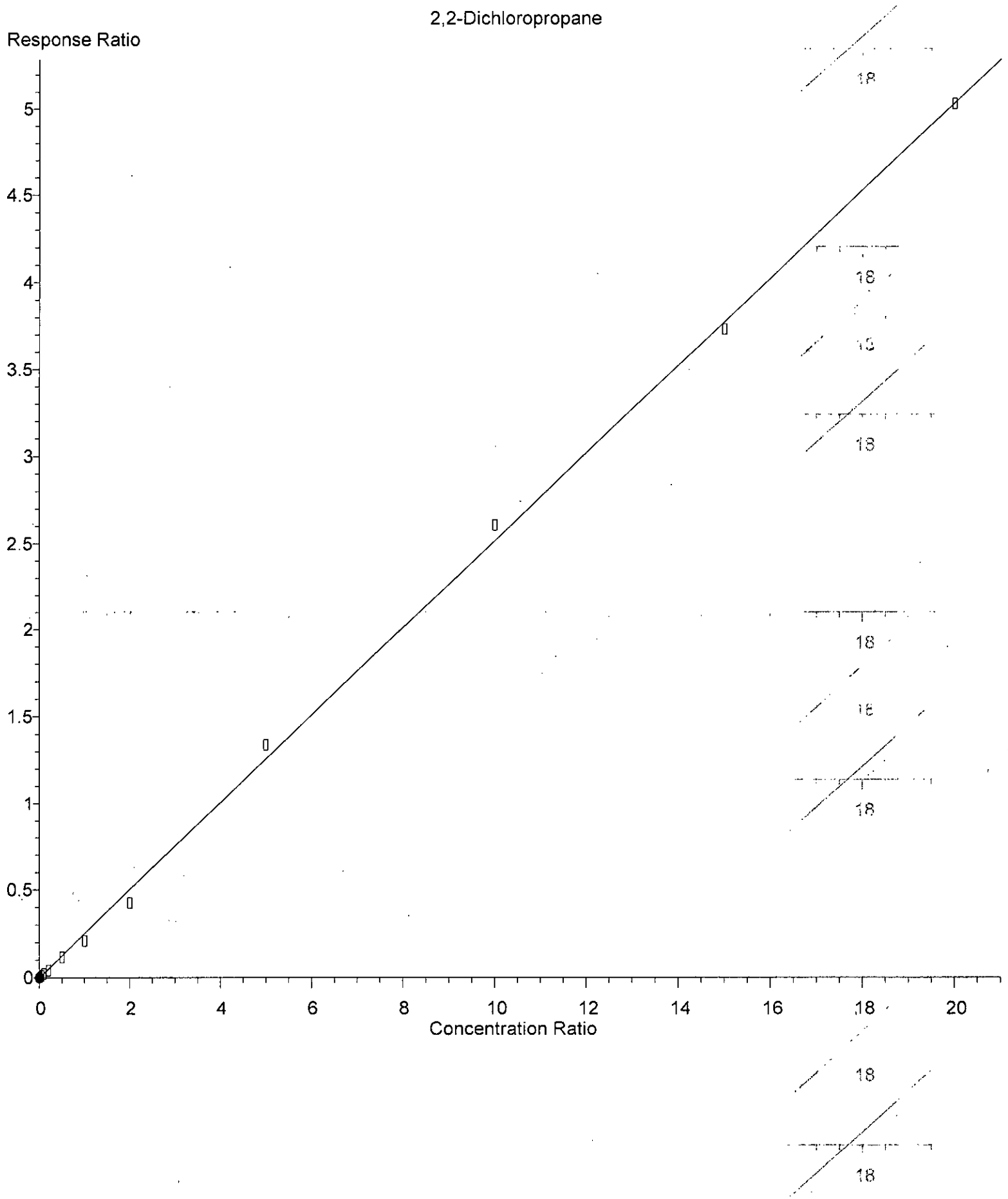
R = 4.023e-005 A*A + 2.185e-002 A + 2.380e-003
Coef of Det (r^2) = 0.996662 Curve Fit: Quadratic w(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



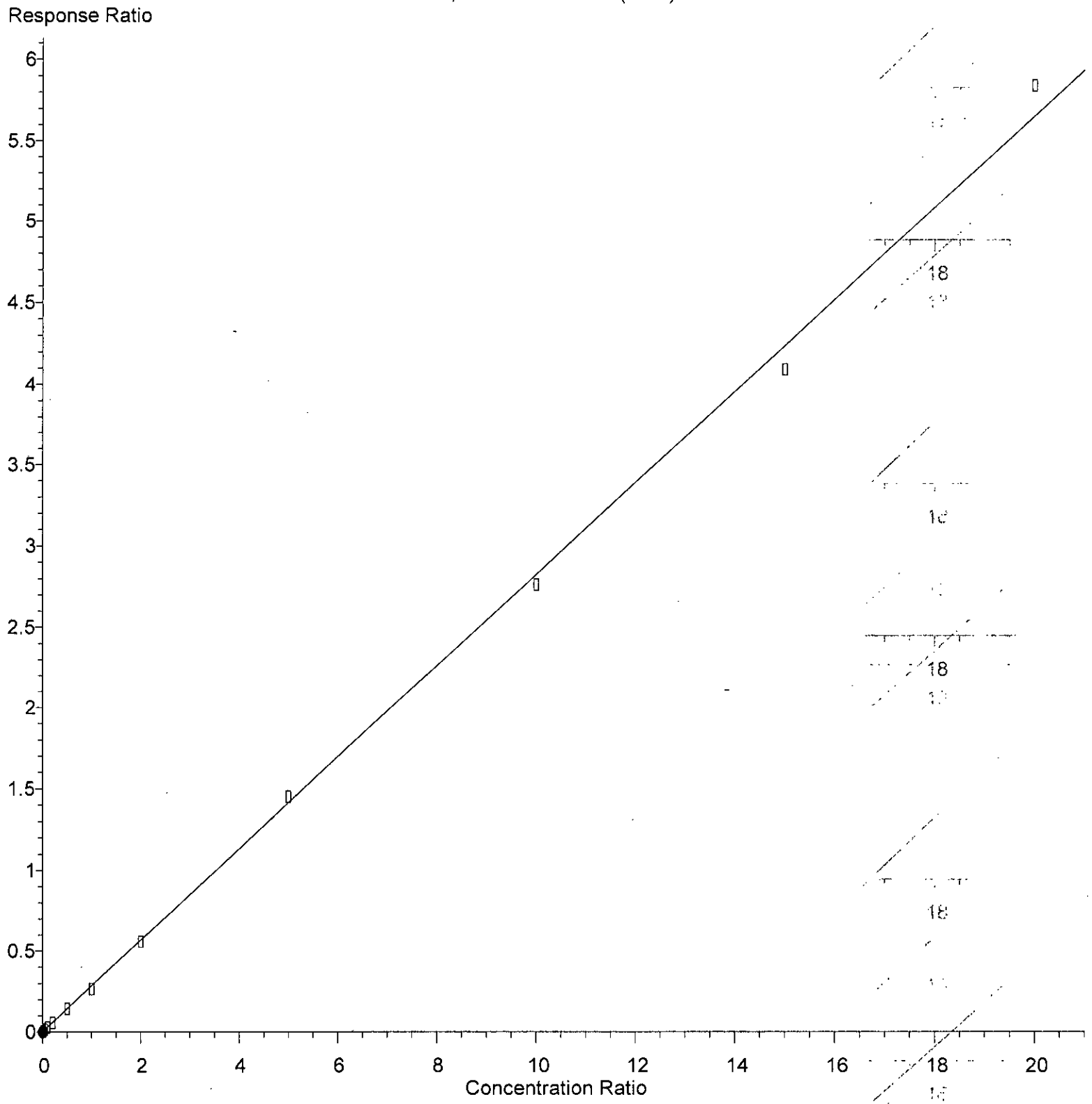
Response = 2.421e-001 * Amt - 6.488e-003
Coef of Det (r^2) = 0.997591 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



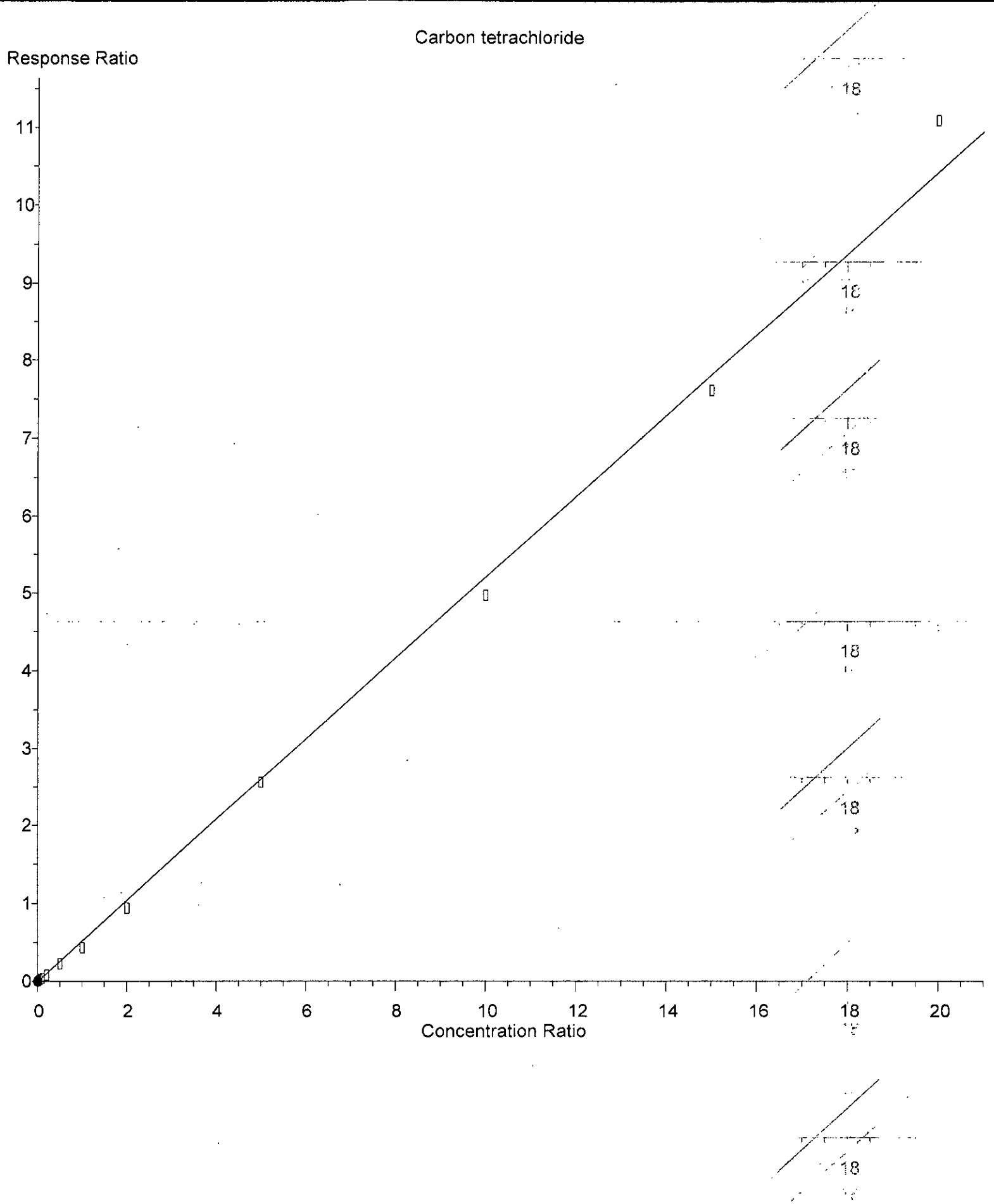
Response = 2.831e-001 * Amt - 3.106e-003
Coef of Det (r^2) = 0.997762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



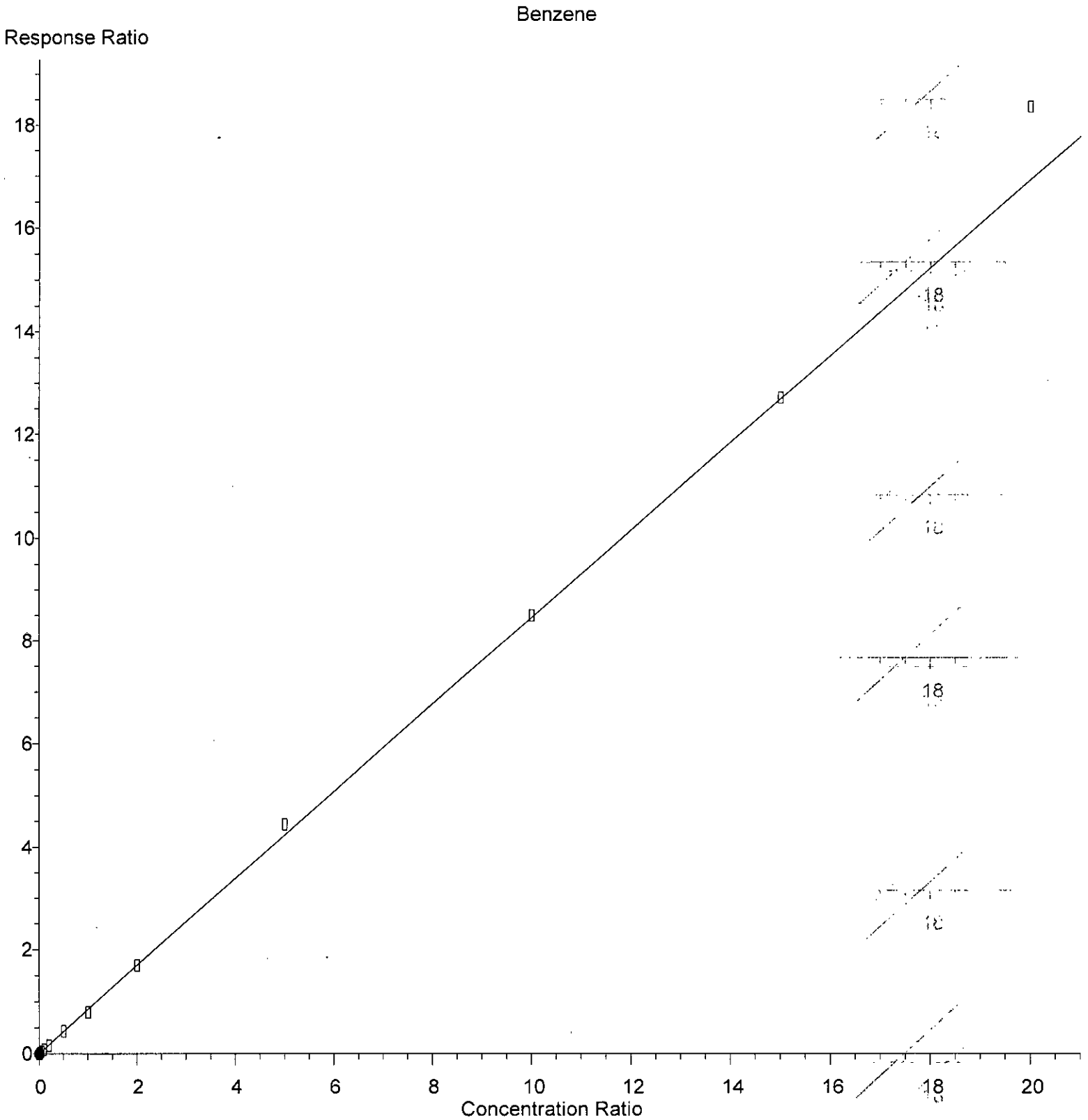
Response = 2.518e-001 * Amt - 2.120e-003
Coef of Det (r^2) = 0.997738 Curve Fit: w/r(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



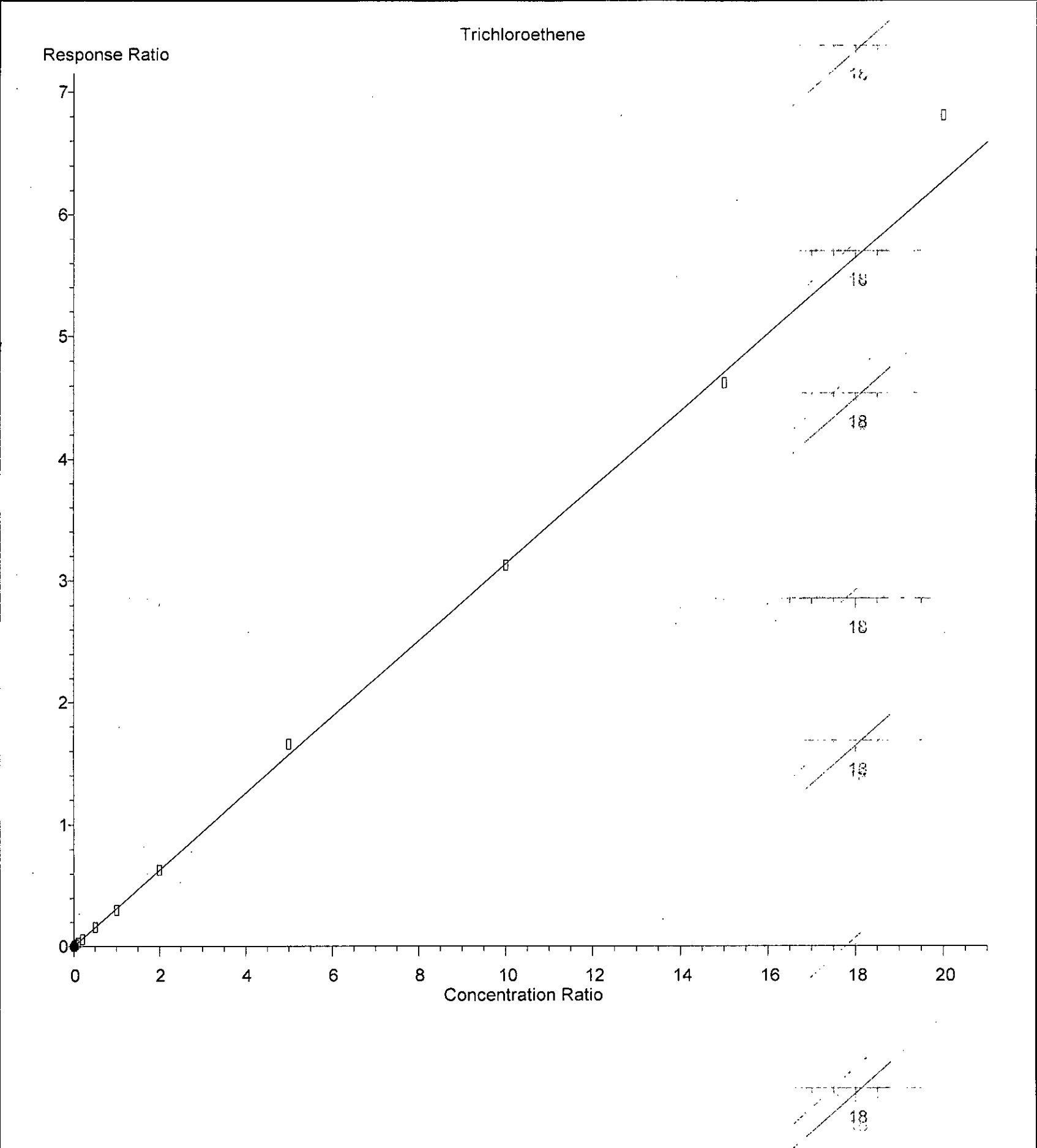
Response = 2.824e-001 * Amt + 5.624e-004
Coef of Det (r^2) = 0.998999 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



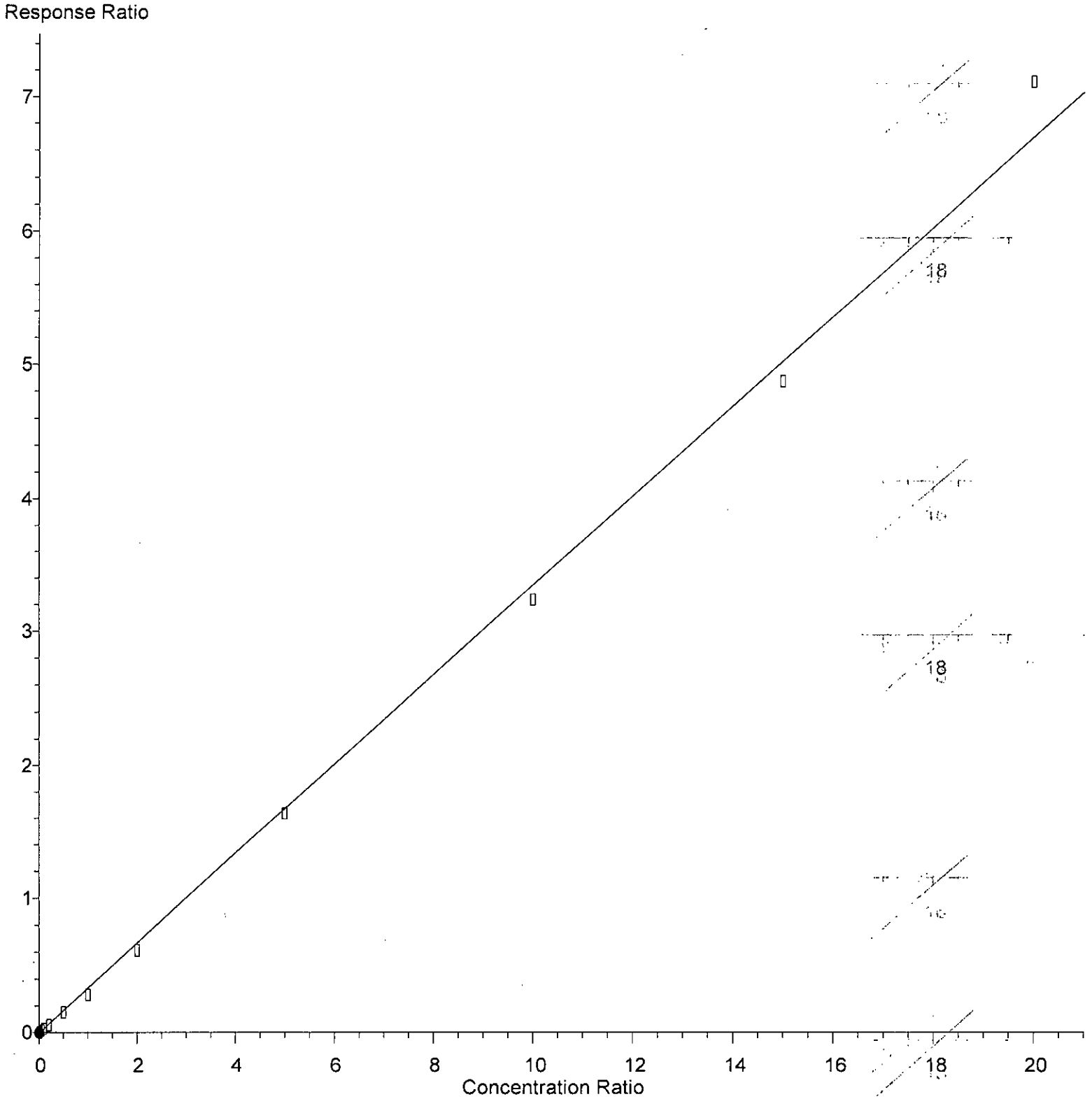
Response = 5.211e-001 * Amt - 7.233e-003
Coef of Det (r^2) = 0.996762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



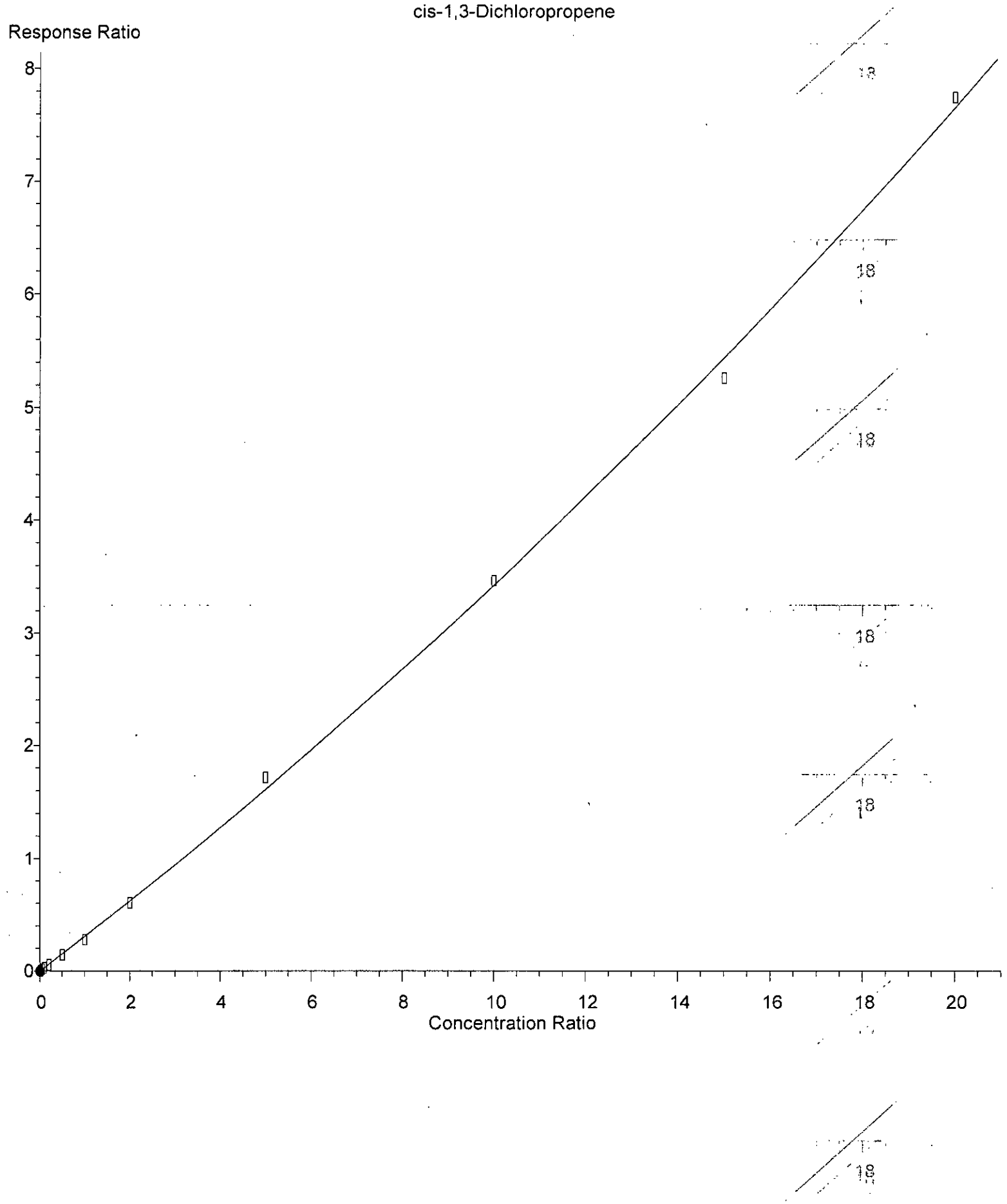
Response = 8.464e-001 * Amt + 4.344e-004
Coef of Det (r^2) = 0.997988 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



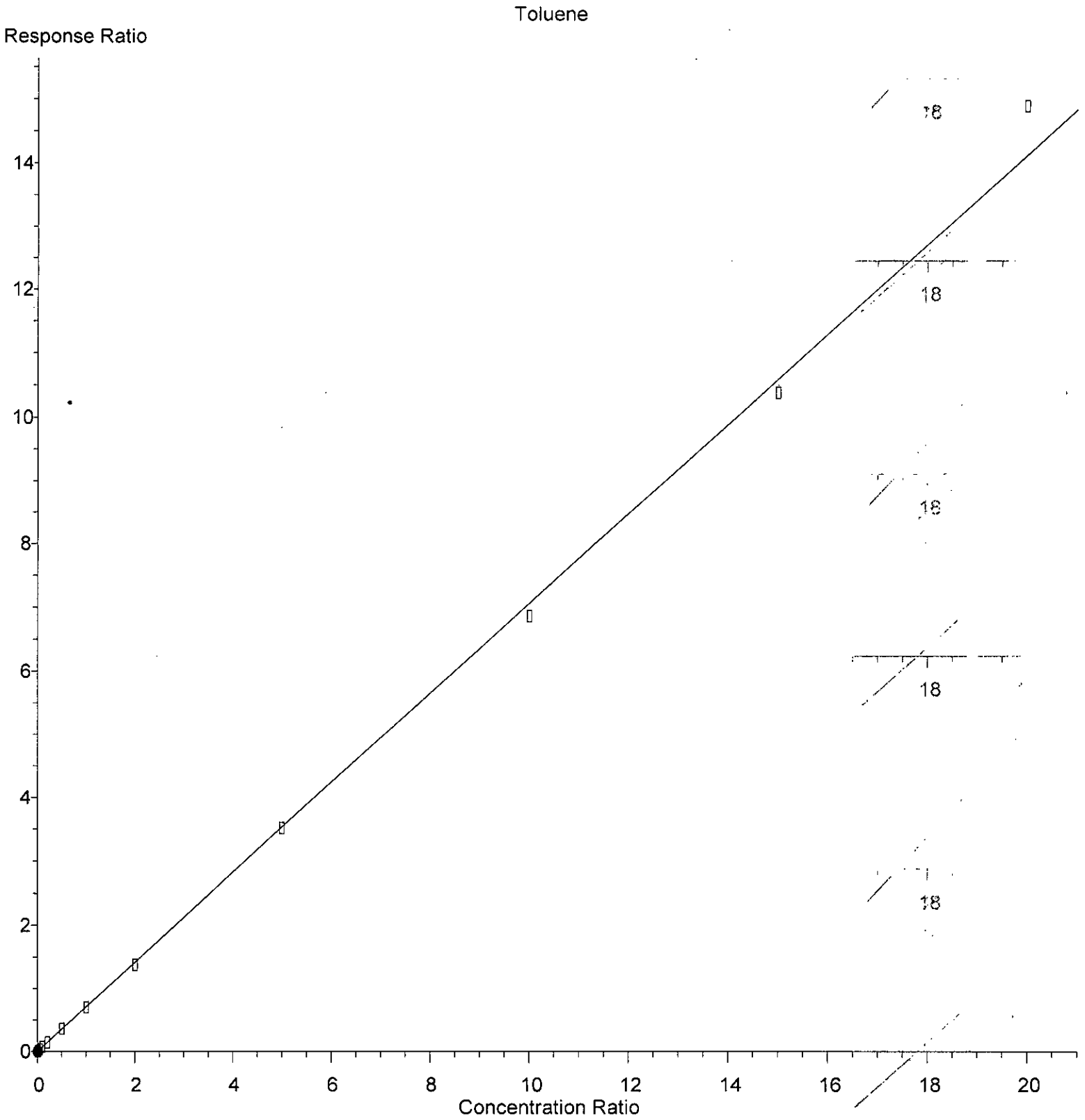
Response = 3.136e-001 * Amt + 3.707e-004
Coef of Det (r^2) = 0.997175 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



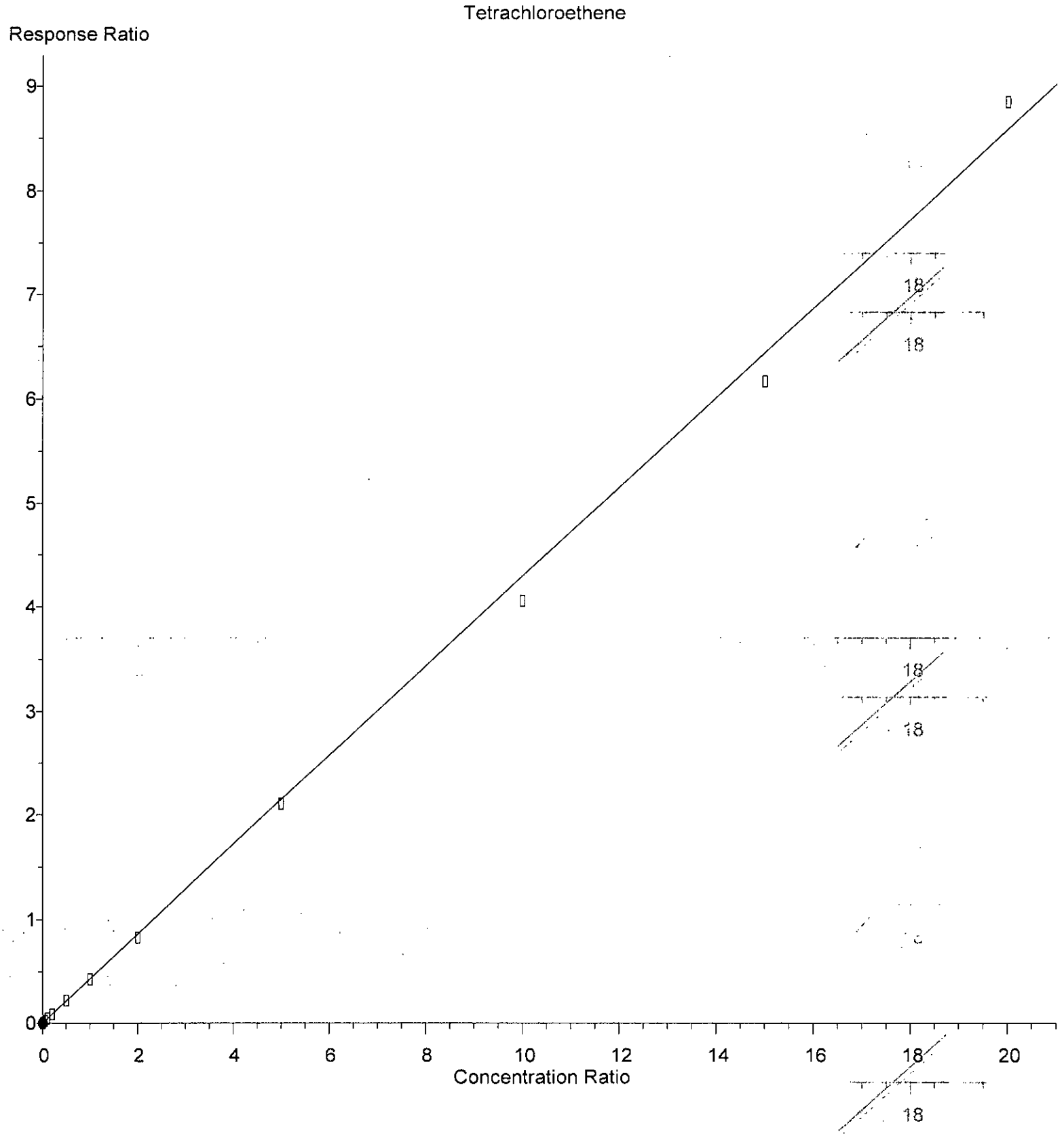
Response = 3.351e-001 * Amt - 2.251e-003
Coef of Det (r^2) = 0.997228 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



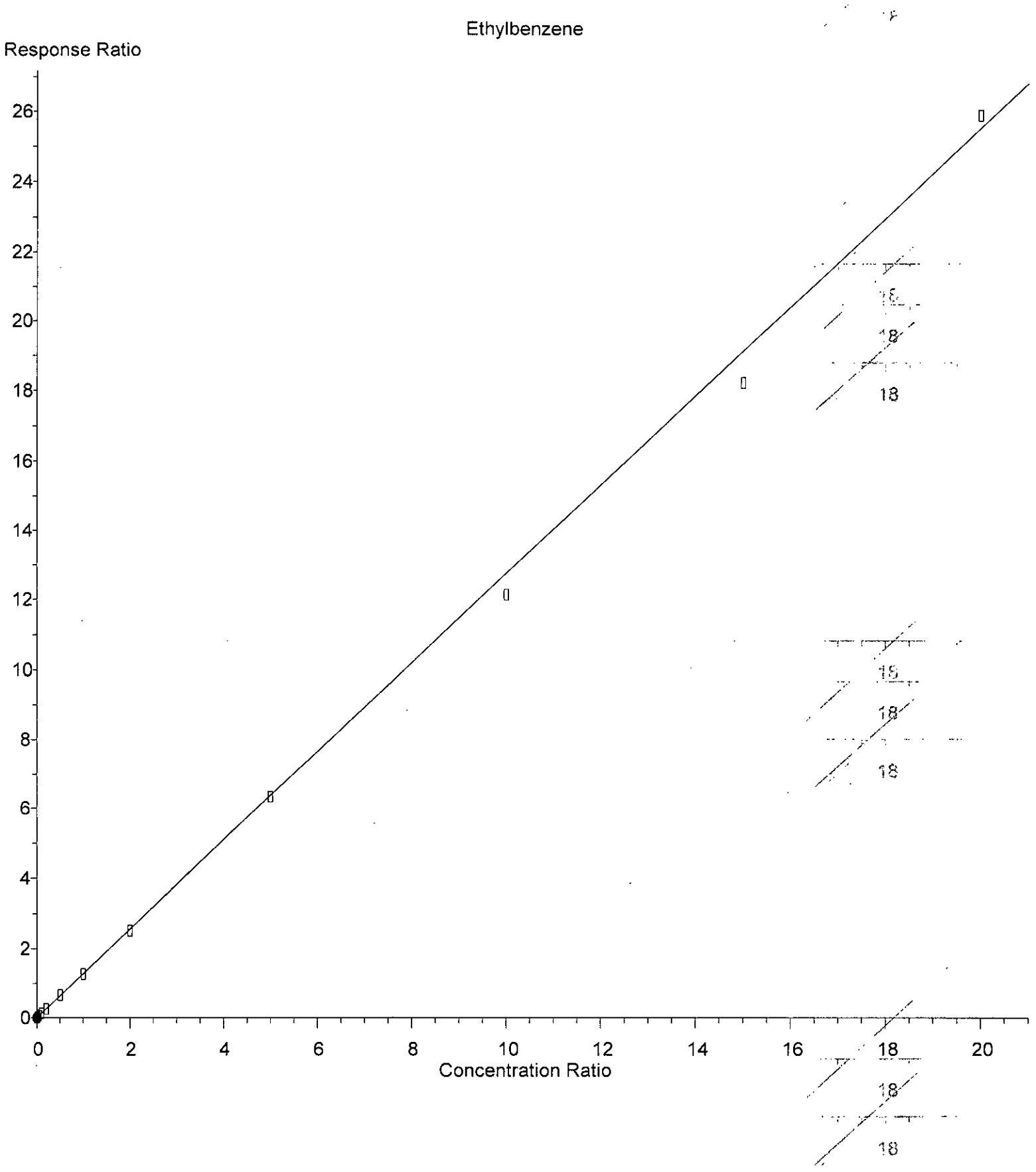
R = 4.031e-003 A*A + 3.023e-001 A - 7.106e-004
Coef of Det (r^2) = 0.999062 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



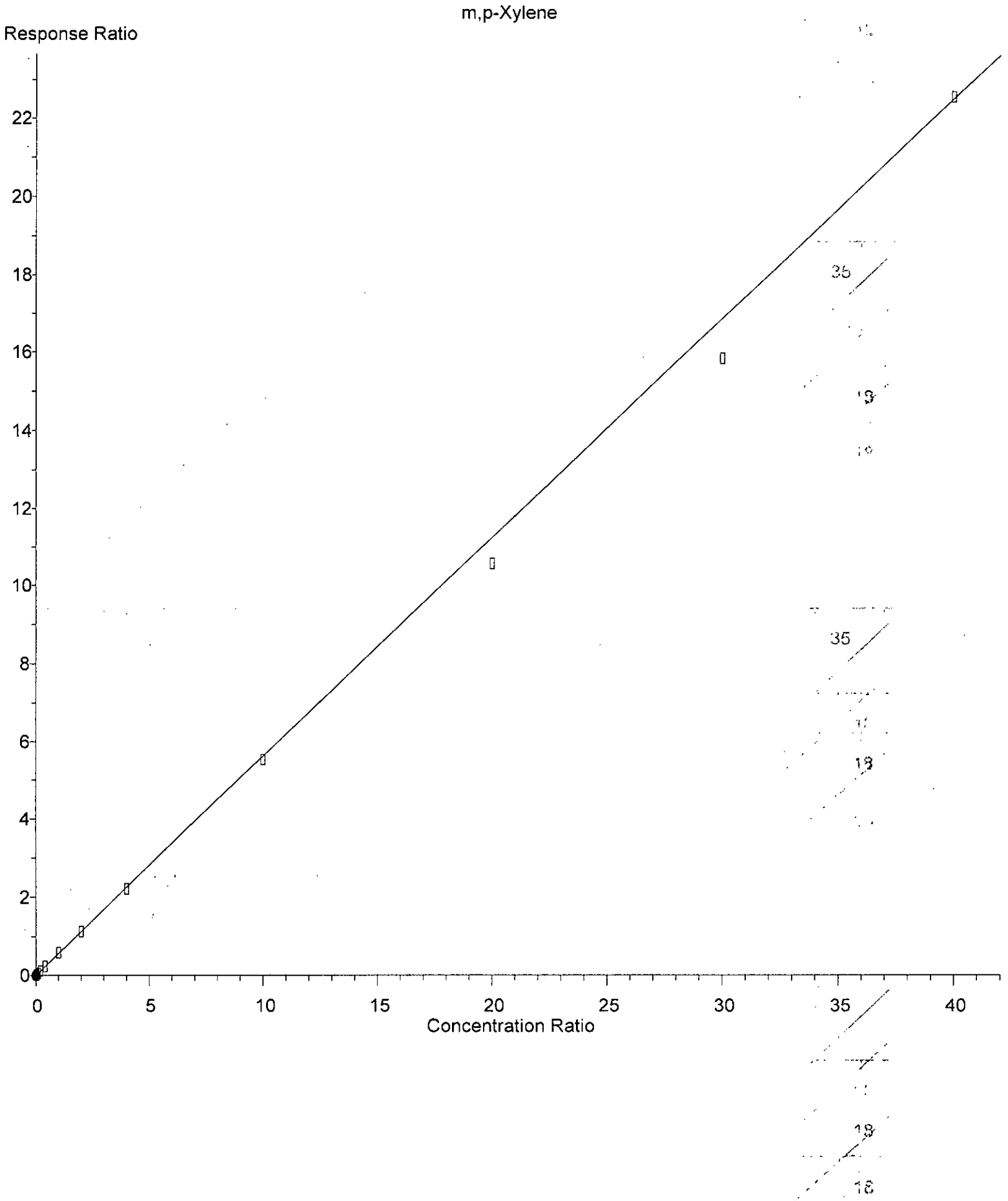
Response = 7.063e-001 * Amt + 8.577e-004
Coef of Det (r^2) = 0.998876 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



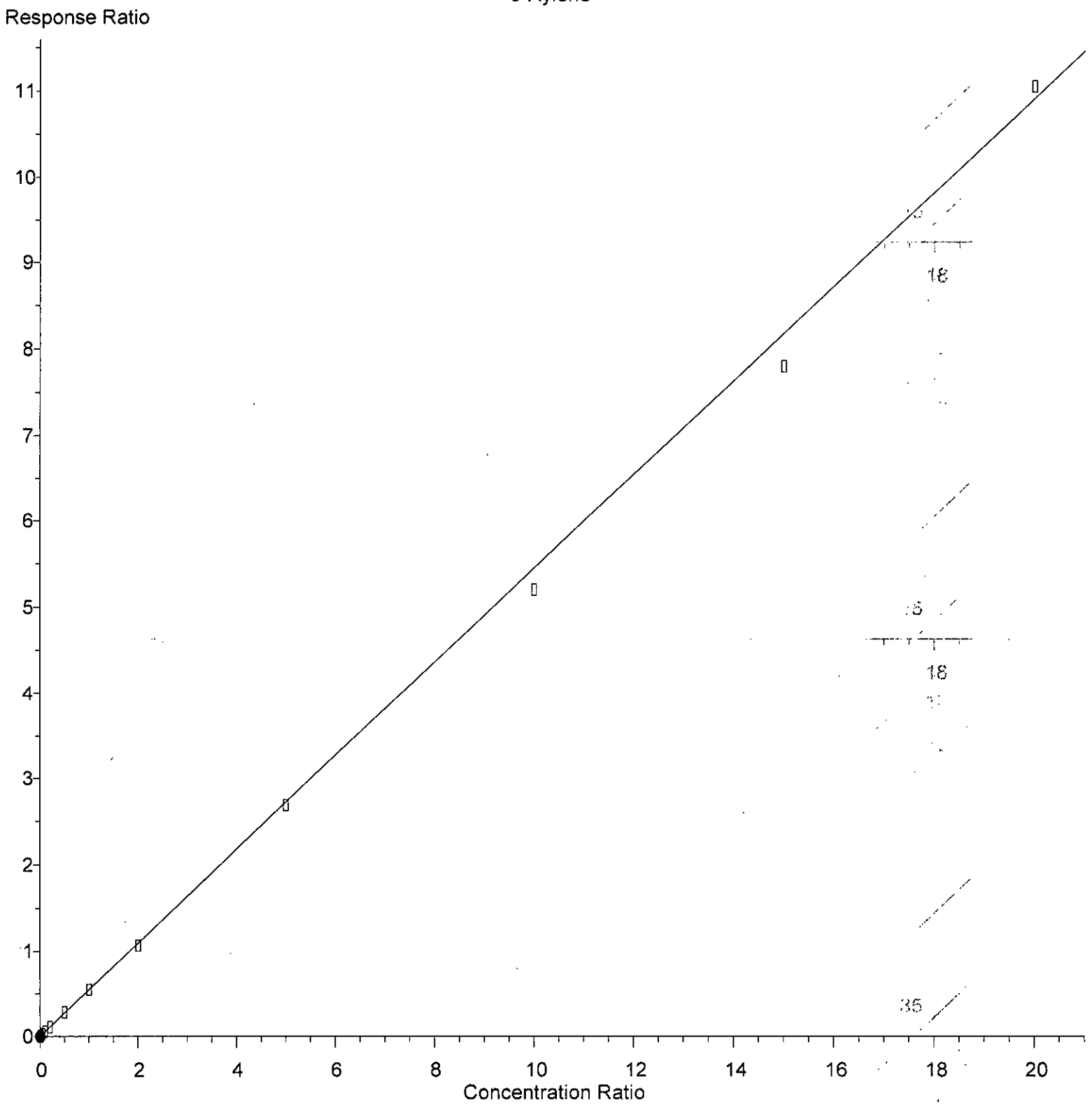
Response = 4.296e-001 * Amt + 3.371e-004
Coef of Det (r^2) = 0.998058 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



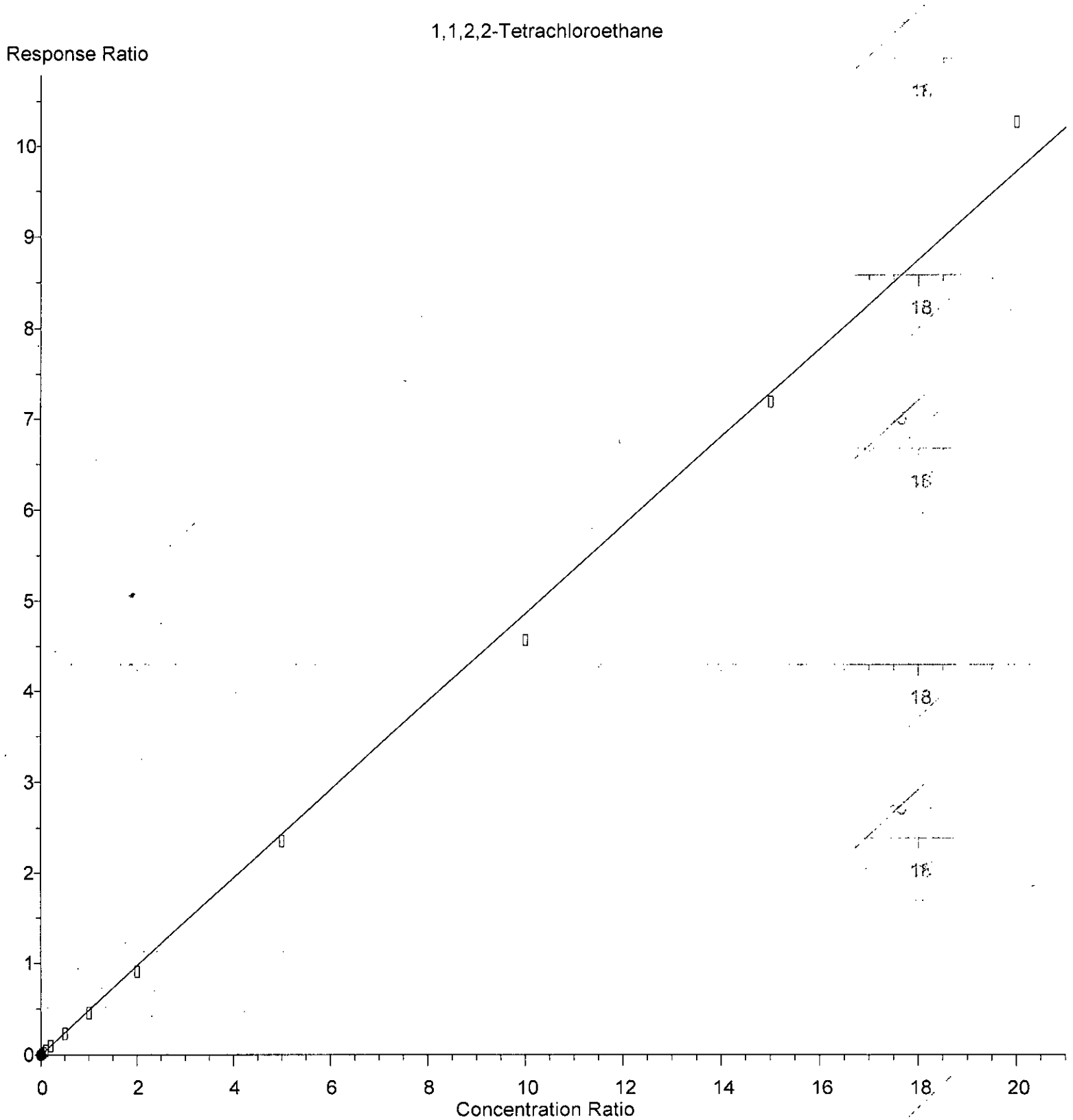
Response = 1.276e+000 * Amt + 8.339e-004
Coef of Det (r^2) = 0.998331 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



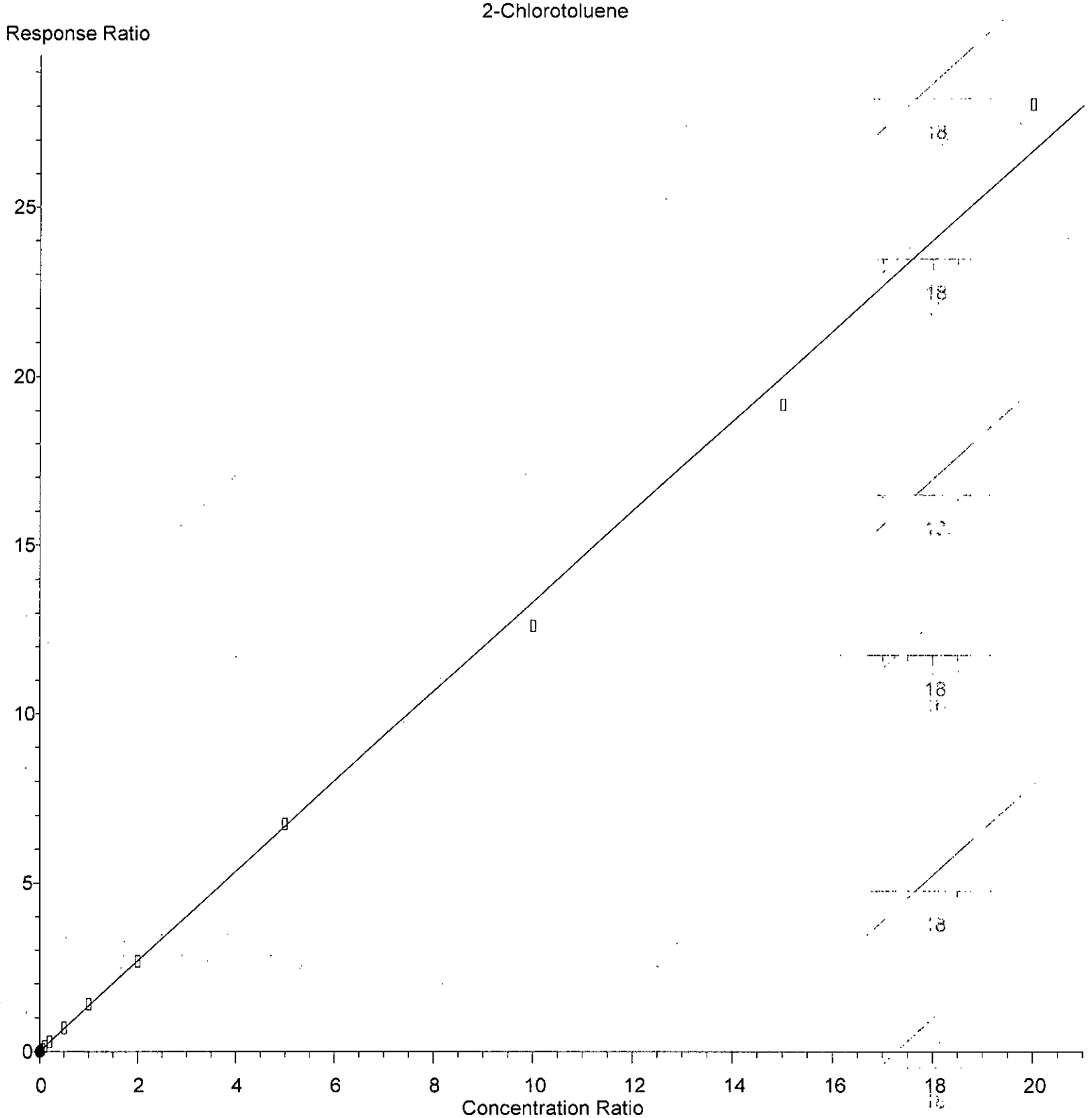
Response = 5.621e-001 * Amt + 8.332e-004
Coef of Det (r^2) = 0.998464 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



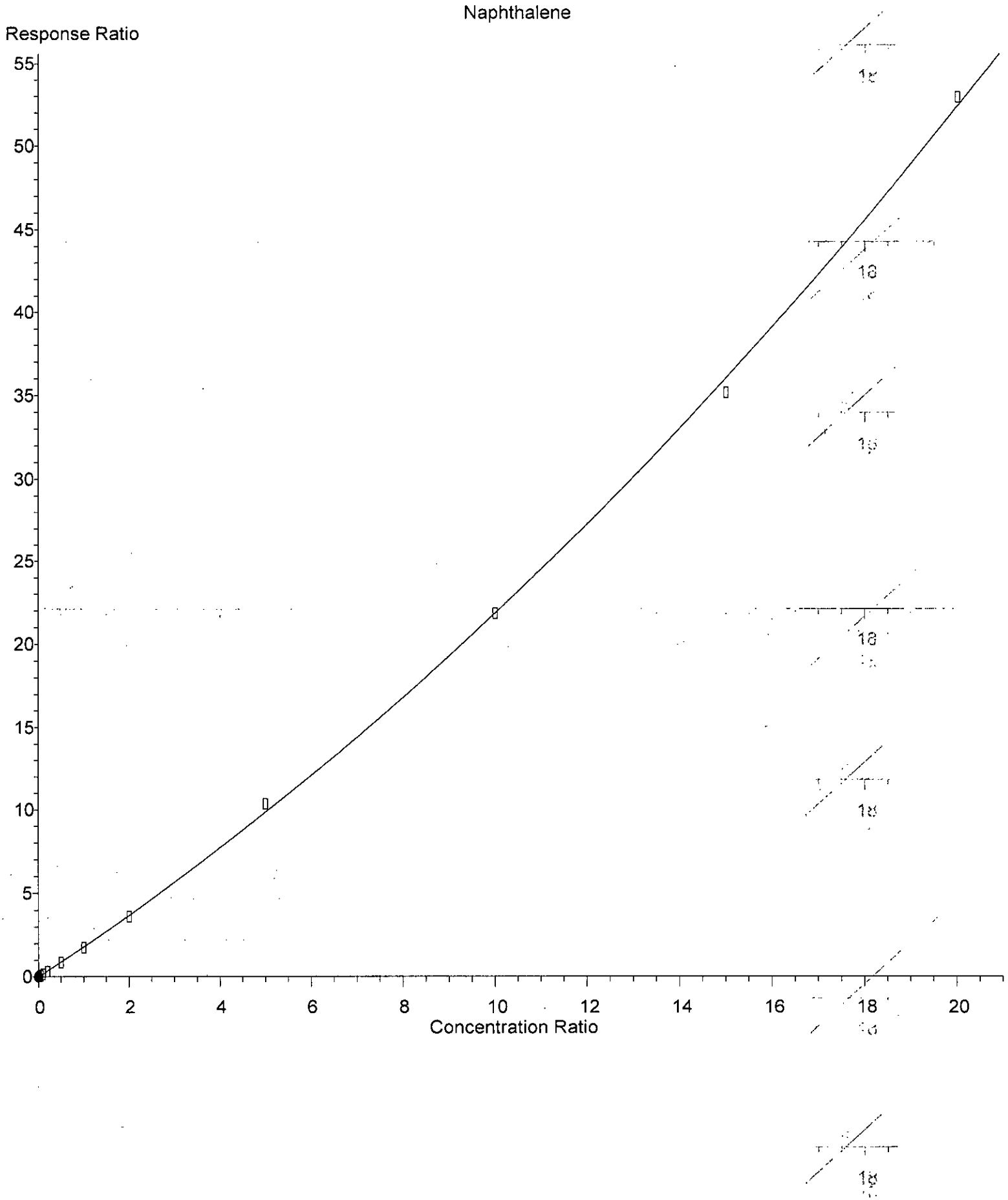
Response = 5.454e-001 * Amt + 3.132e-004
Coef of Det (r^2) = 0.998521 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



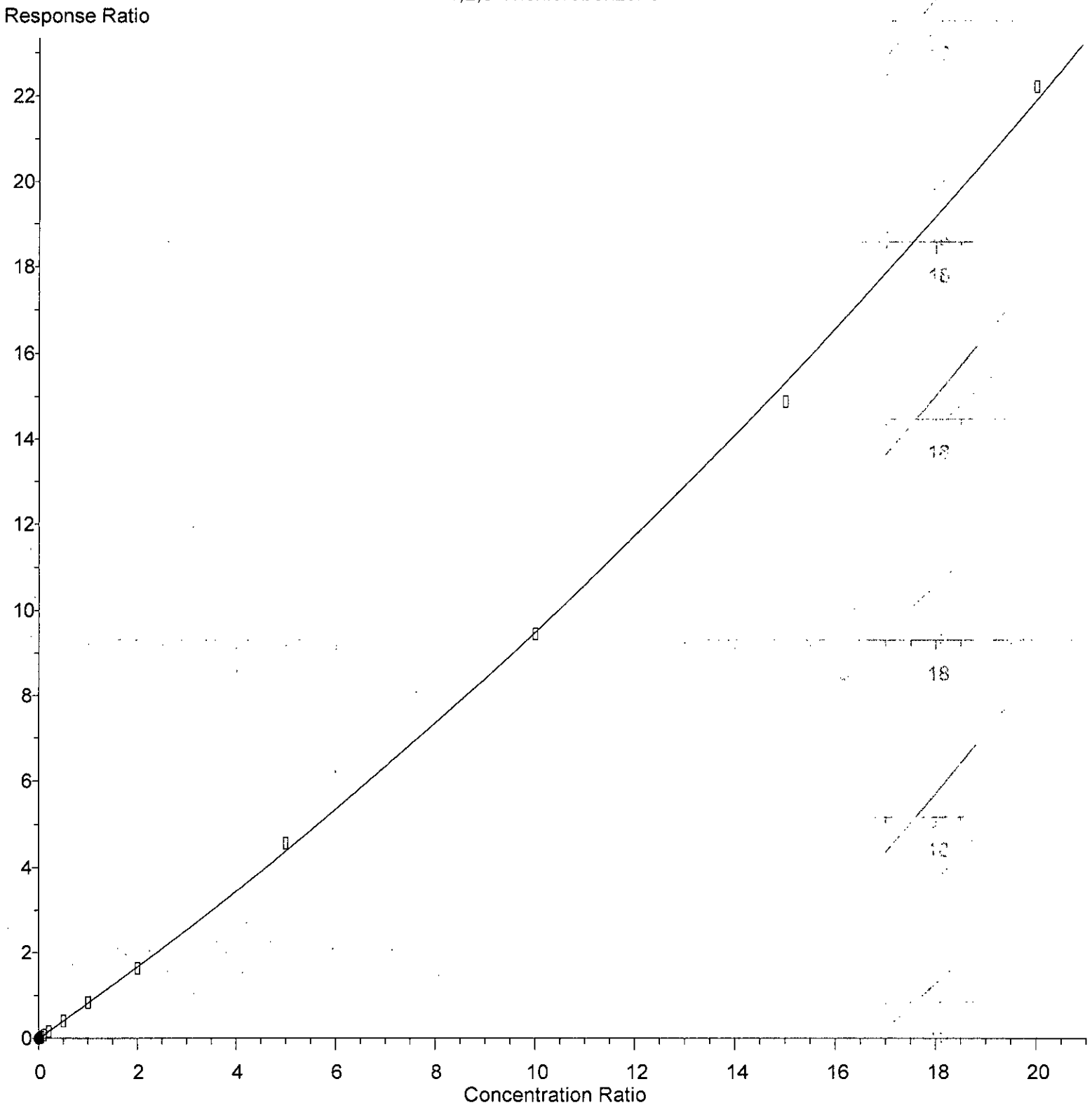
Response = 4.862e-001 * Amt - 1.651e-003
Coef of Det (r^2) = 0.997700 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



Response = 1.335e+000 * Amt + 7.919e-003
Coef of Det (r^2) = 0.997850 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



R = 4.324e-002 A*A + 1.754e+000 A - 1.767e-003
Coef of Det (r^2) = 0.999571 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

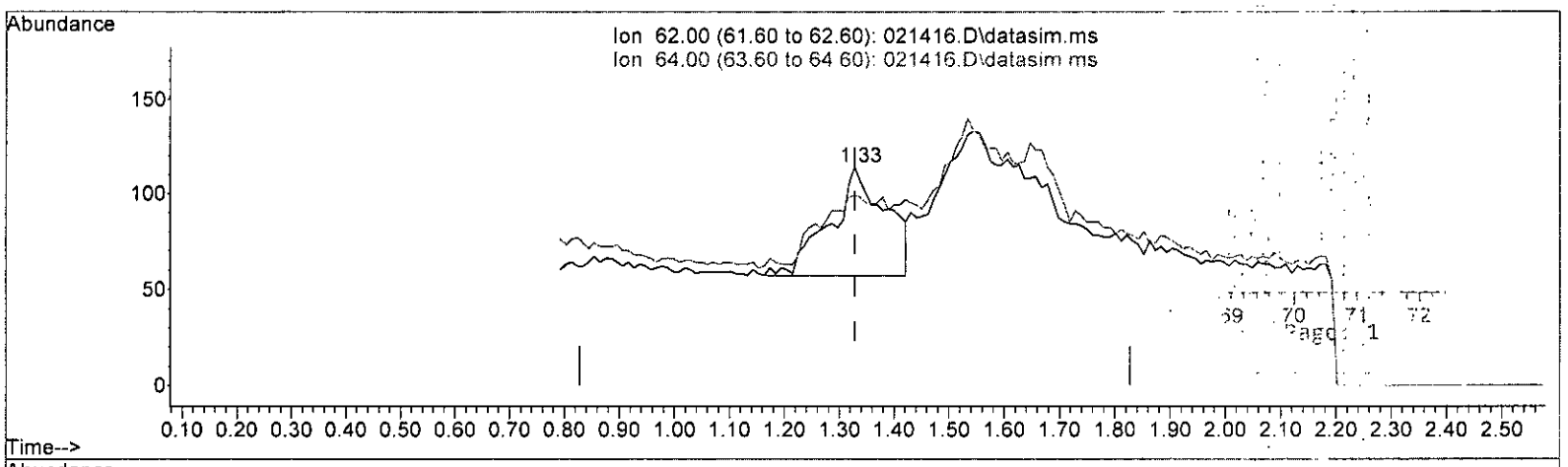


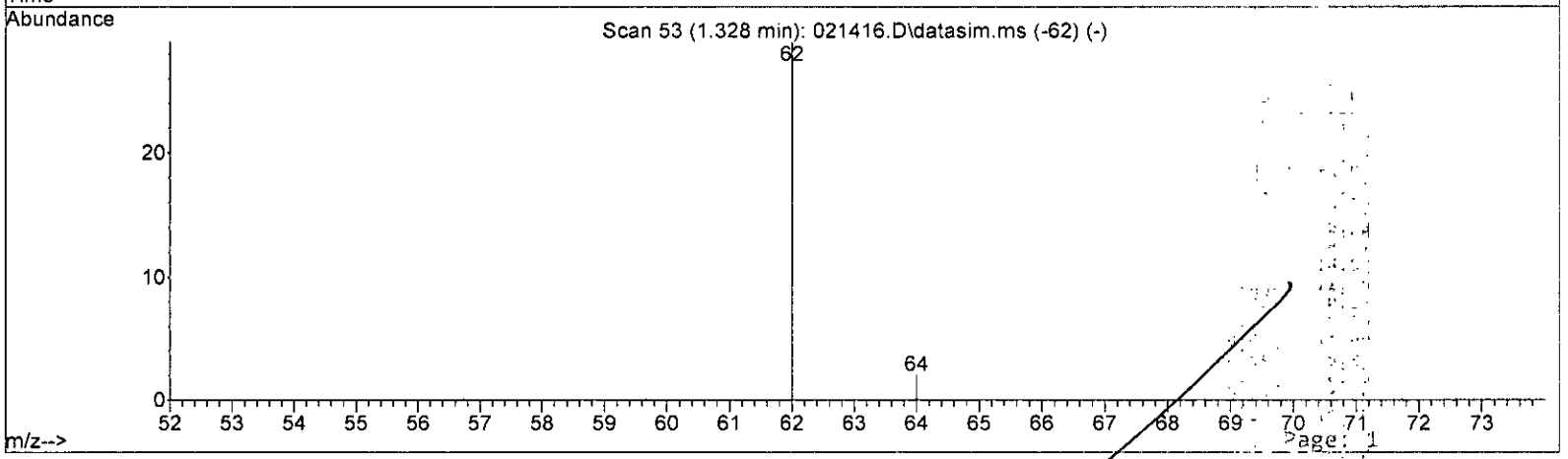
R = 1.463e-002 A*A + 8.032e-001 A - 1.770e-003
Coef of Det (r^2) = 0.999526 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.117 ppb
response 399

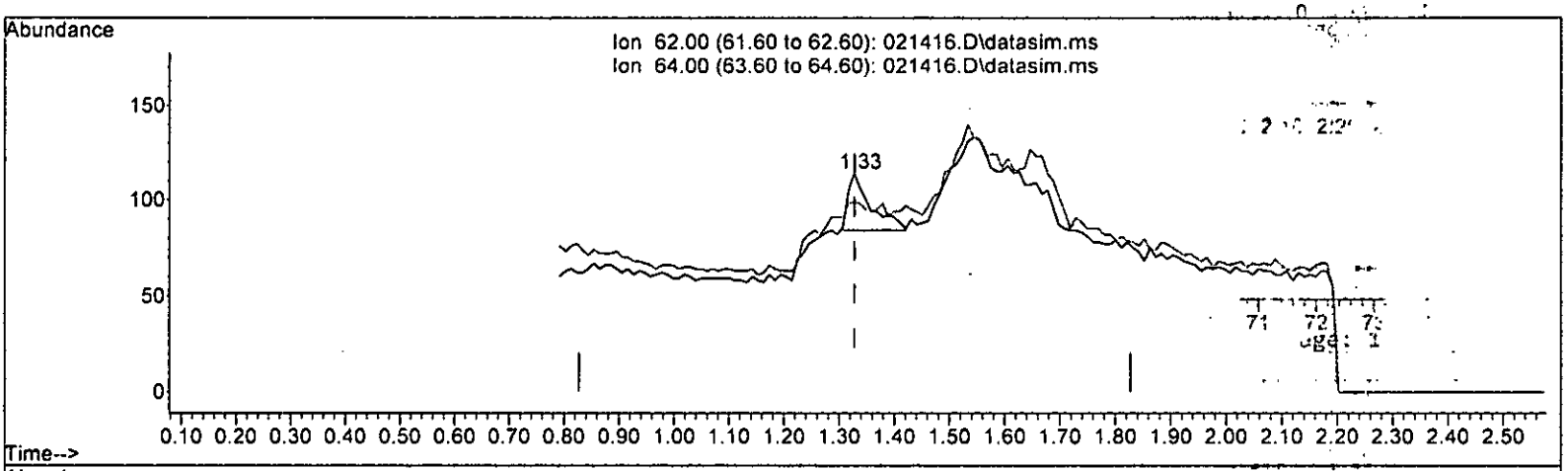
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	64.91#
0.00	0.00	0.00
0.00	0.00	0.00

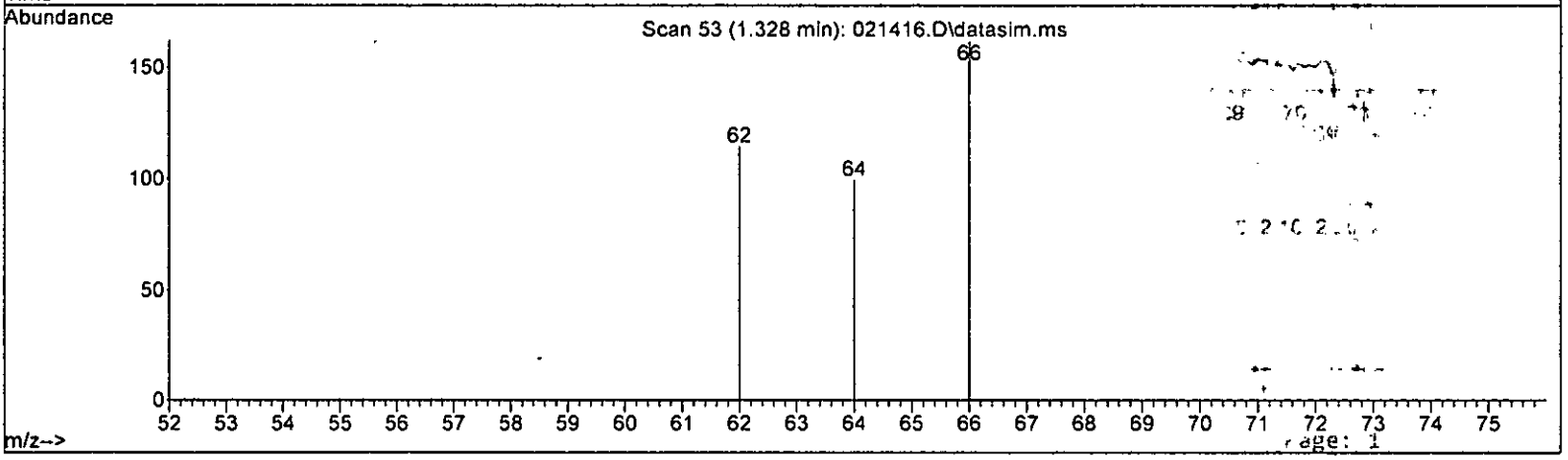
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.000) 0.030 ppb m

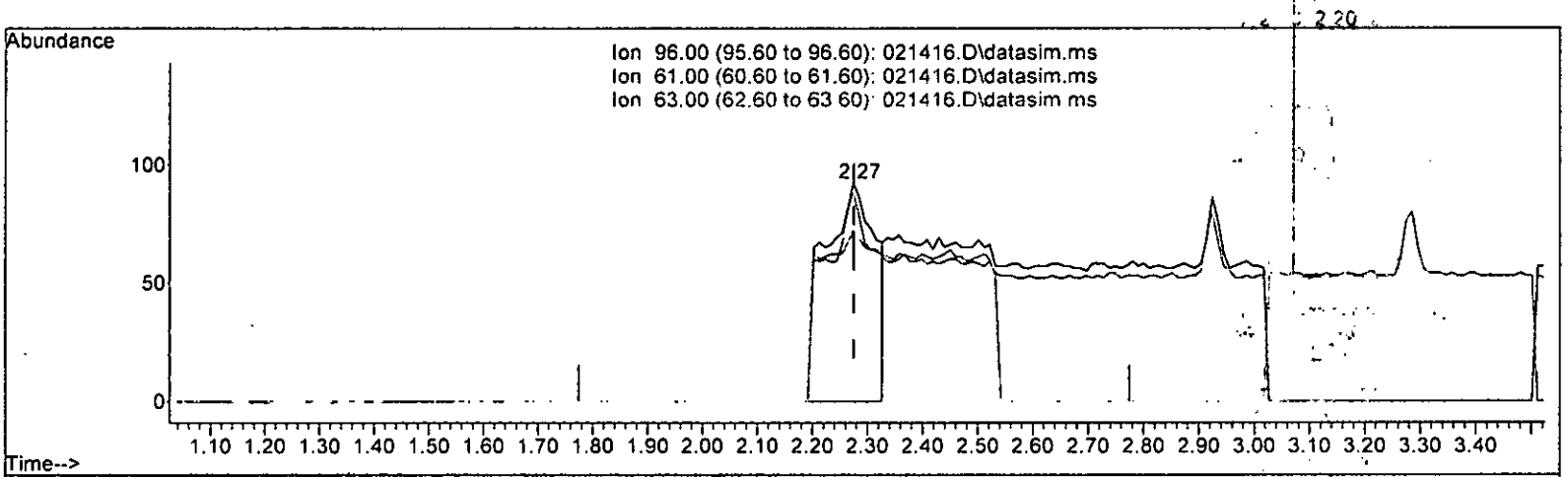
response 84

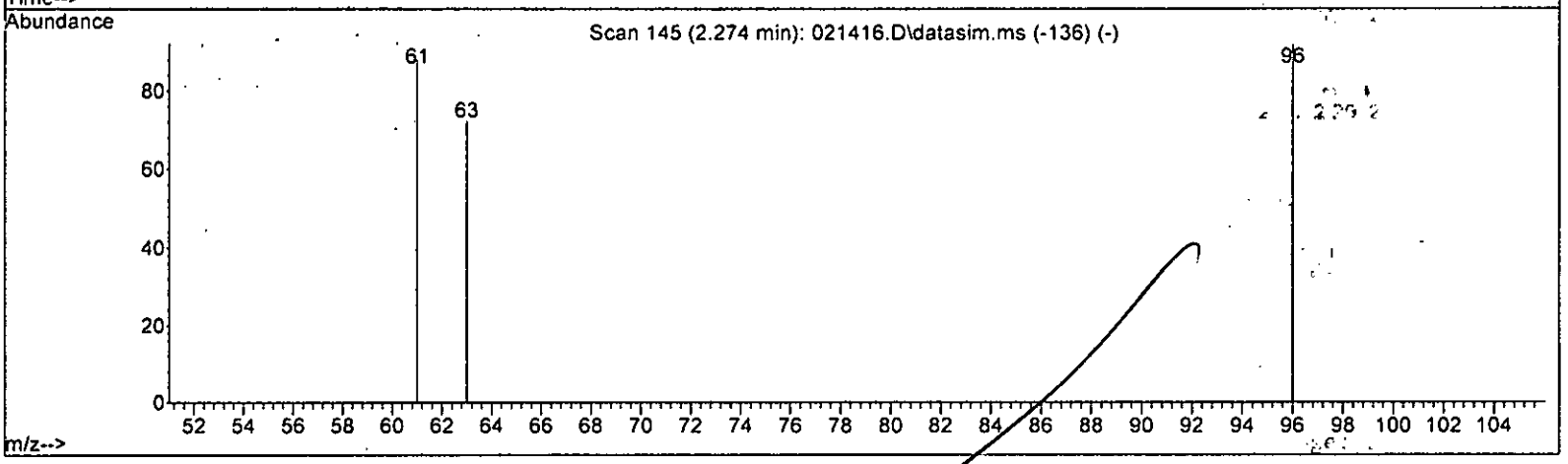
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	86.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

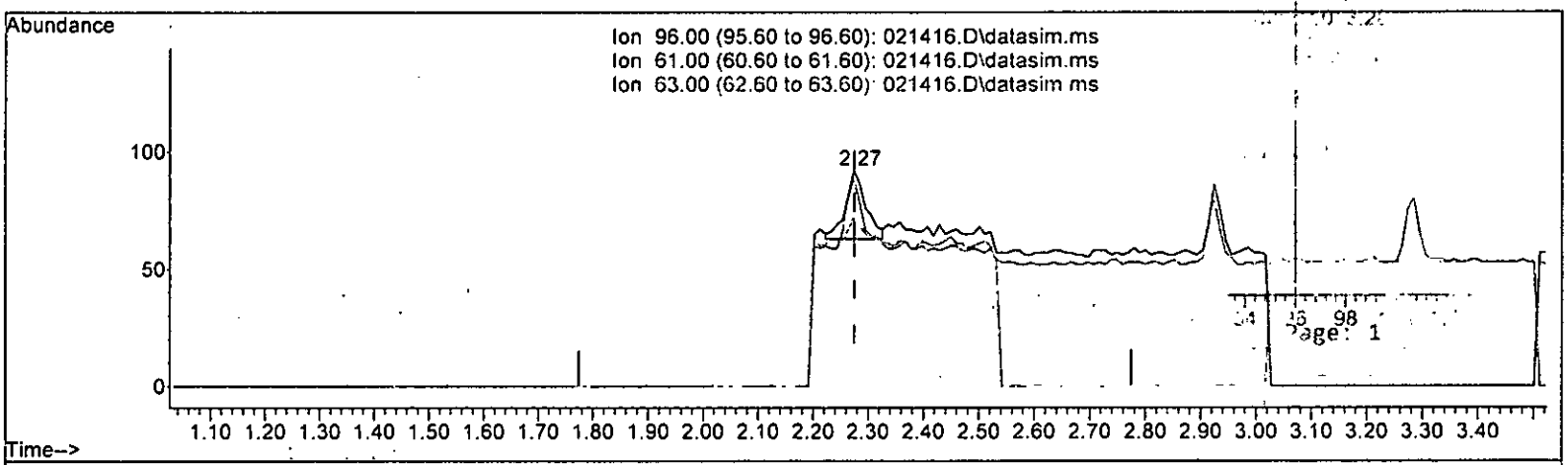
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.206 ppb
response 585

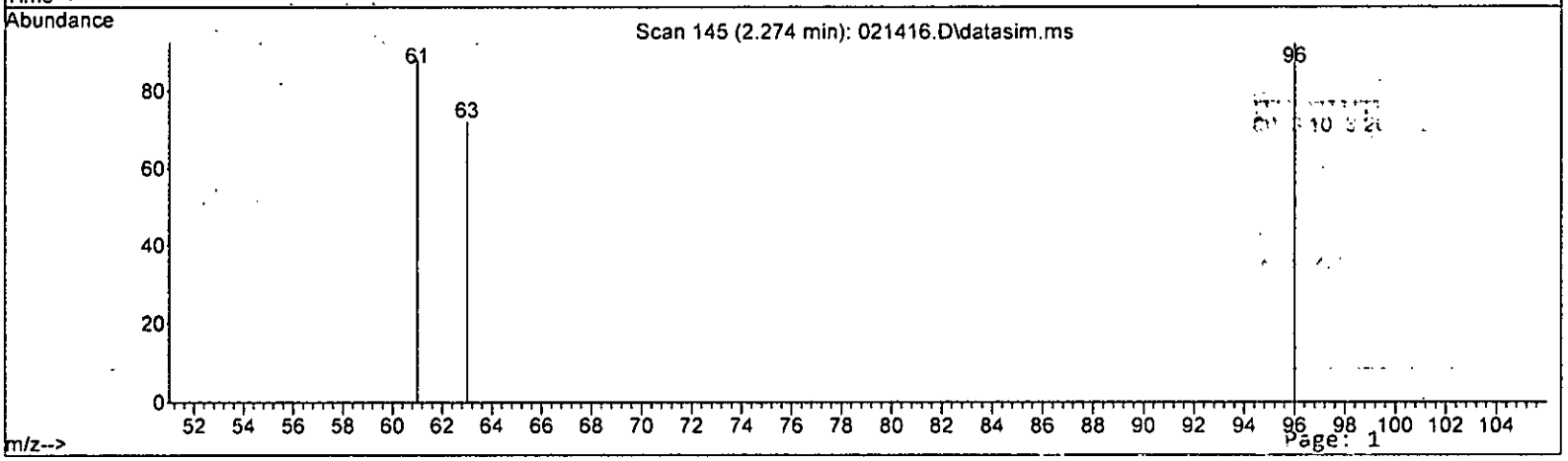
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

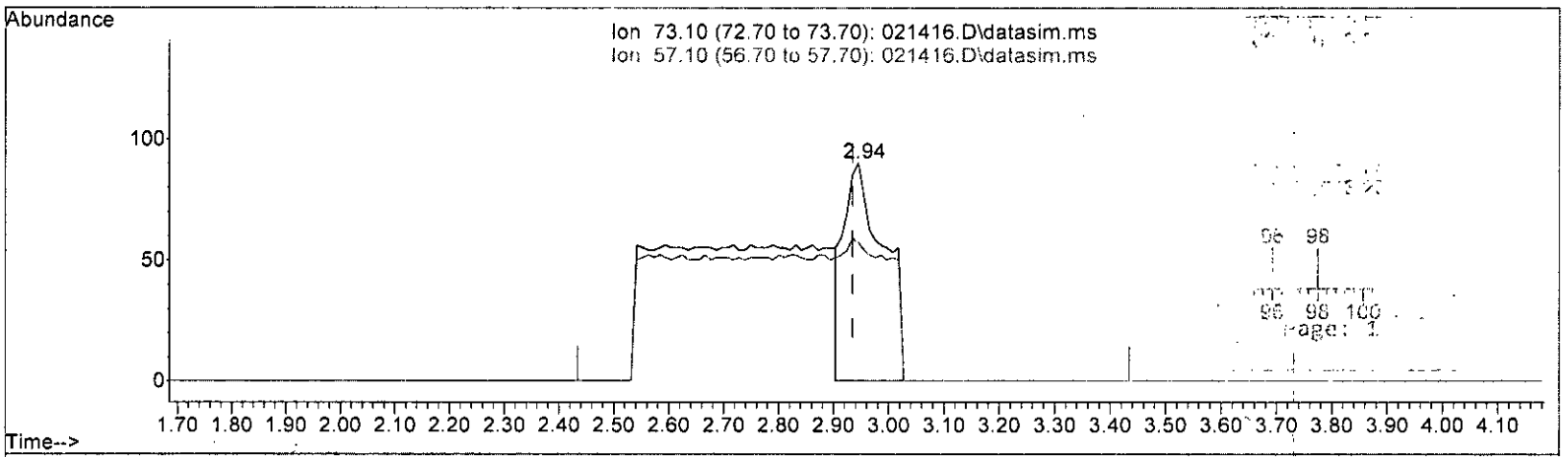
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.026 ppb m
response 74

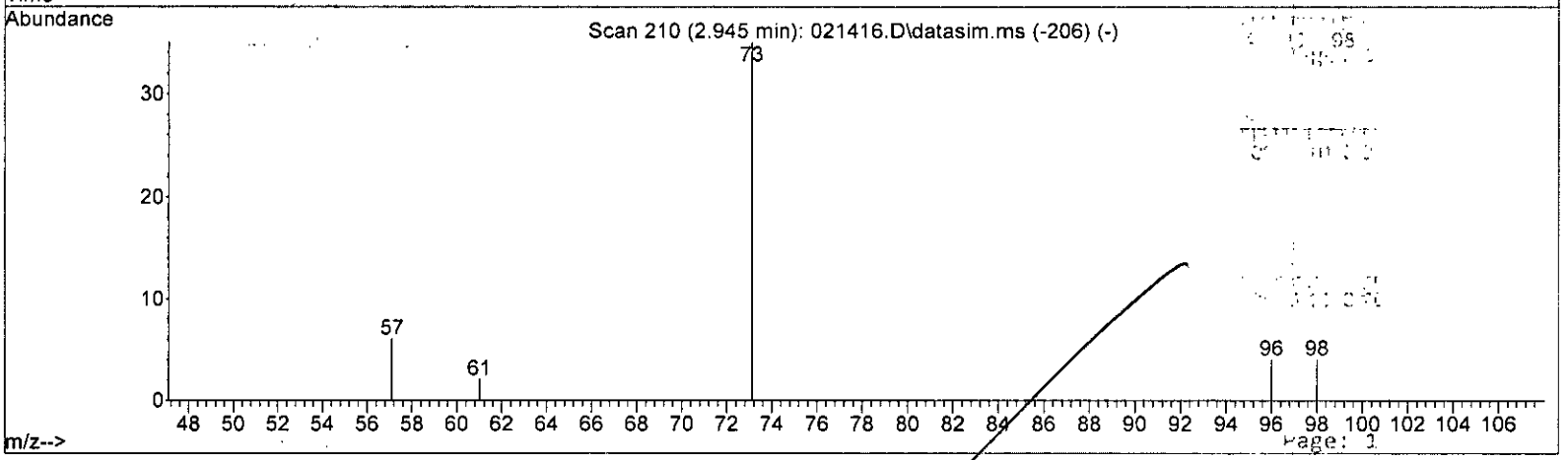
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

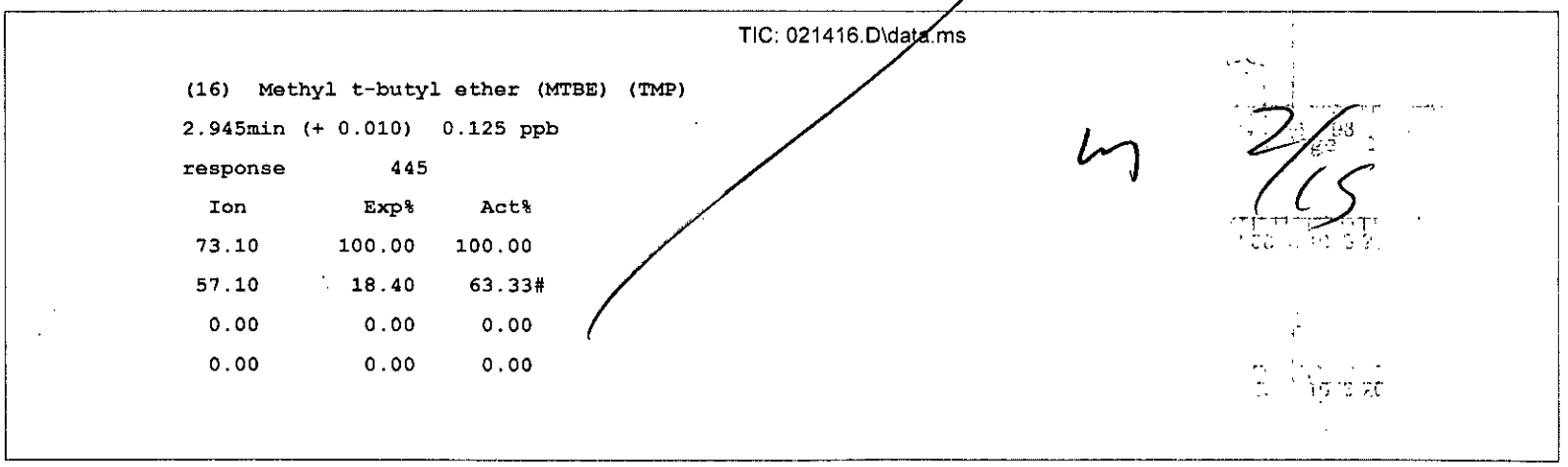
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







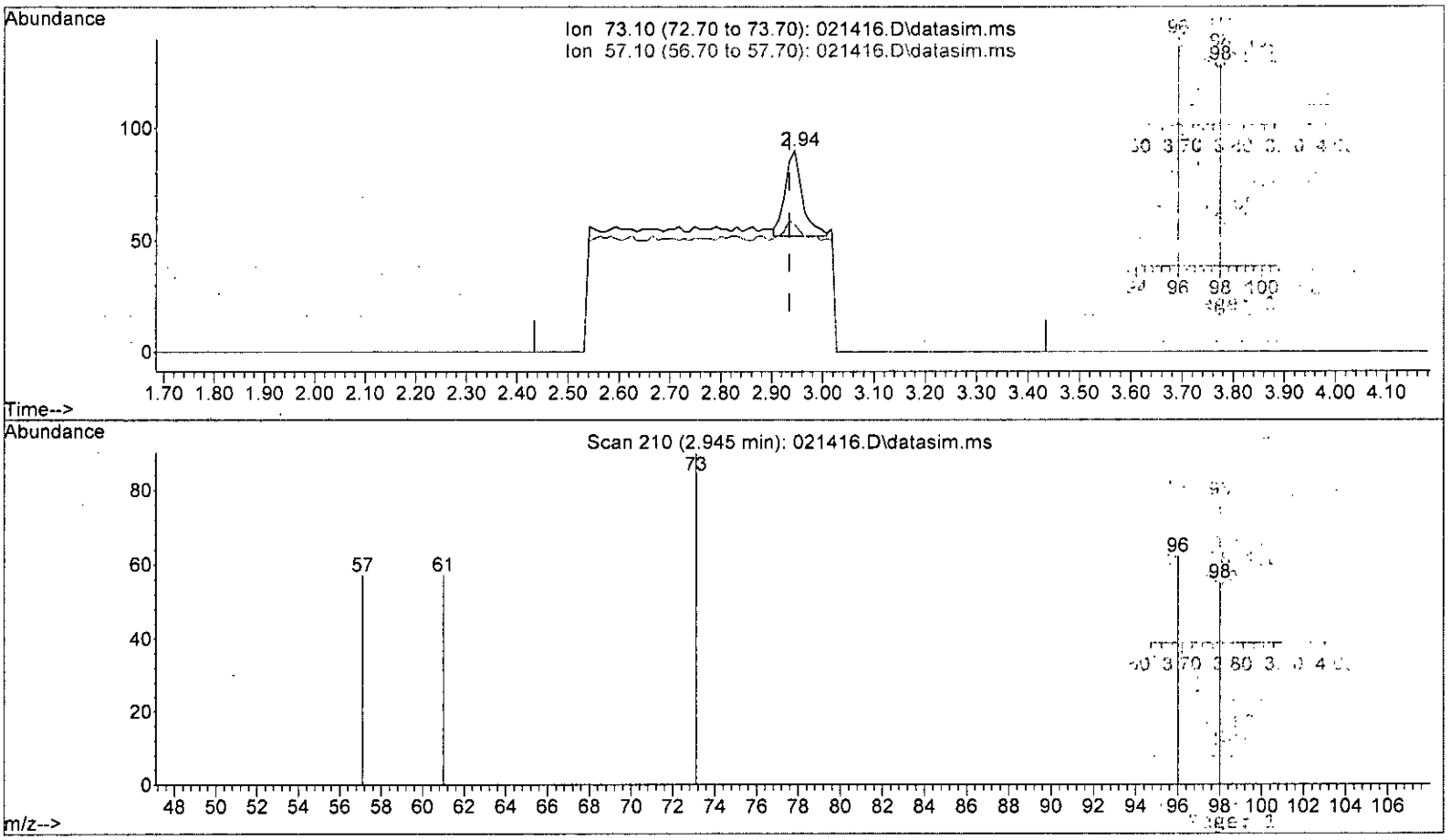
(16) Methyl t-butyl ether (MTBE) (TMP)
2.945min (+ 0.010) 0.125 ppb
response 445

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021416.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.025 ppb m

response 89

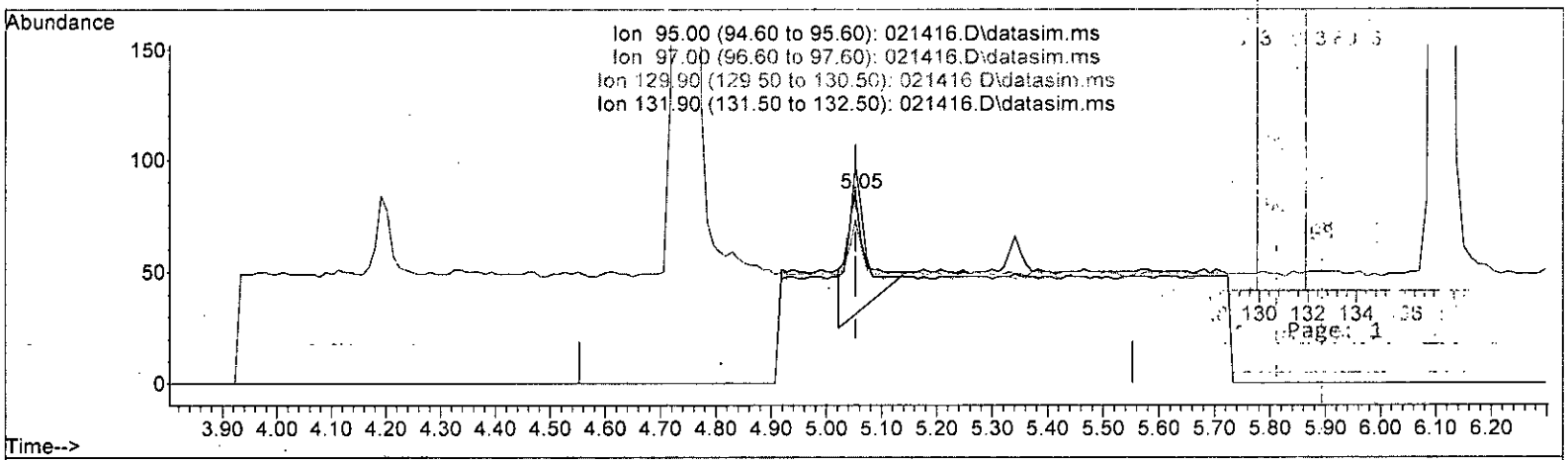
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

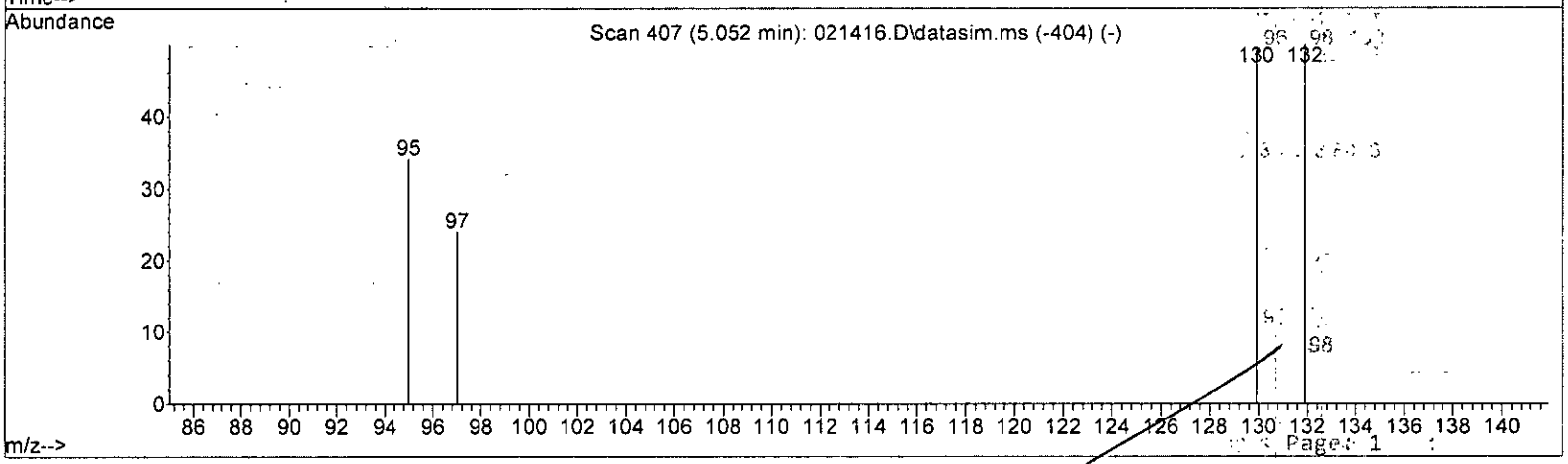
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)
5.052min (-0.001) 0.058 ppb
response 142

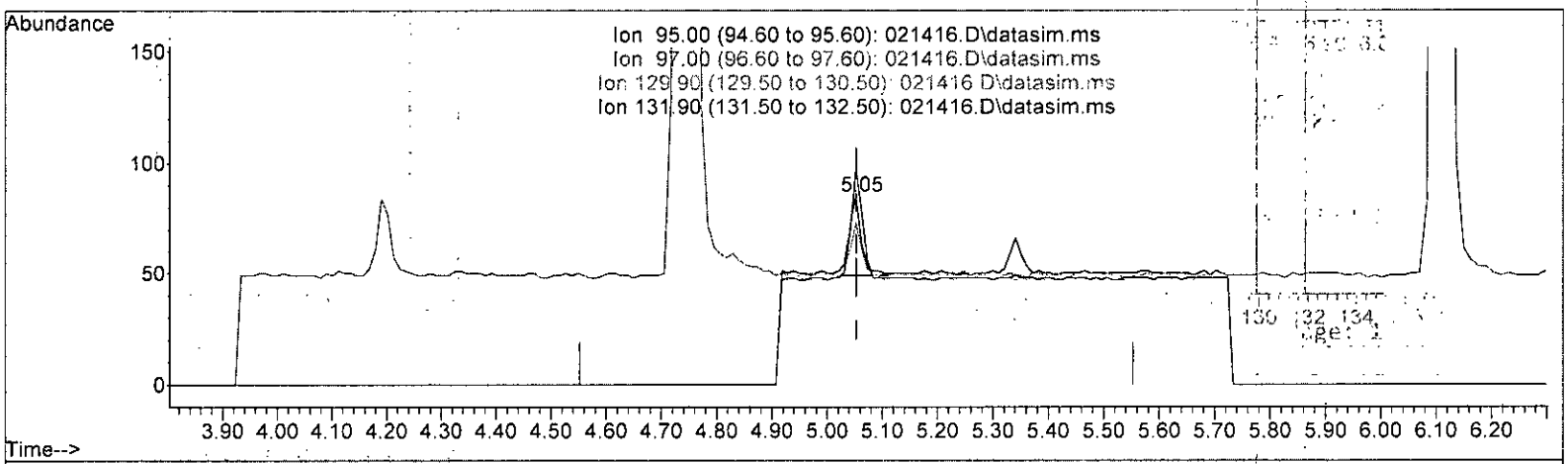
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.57
129.90	158.20	142.86
131.90	155.20	142.86

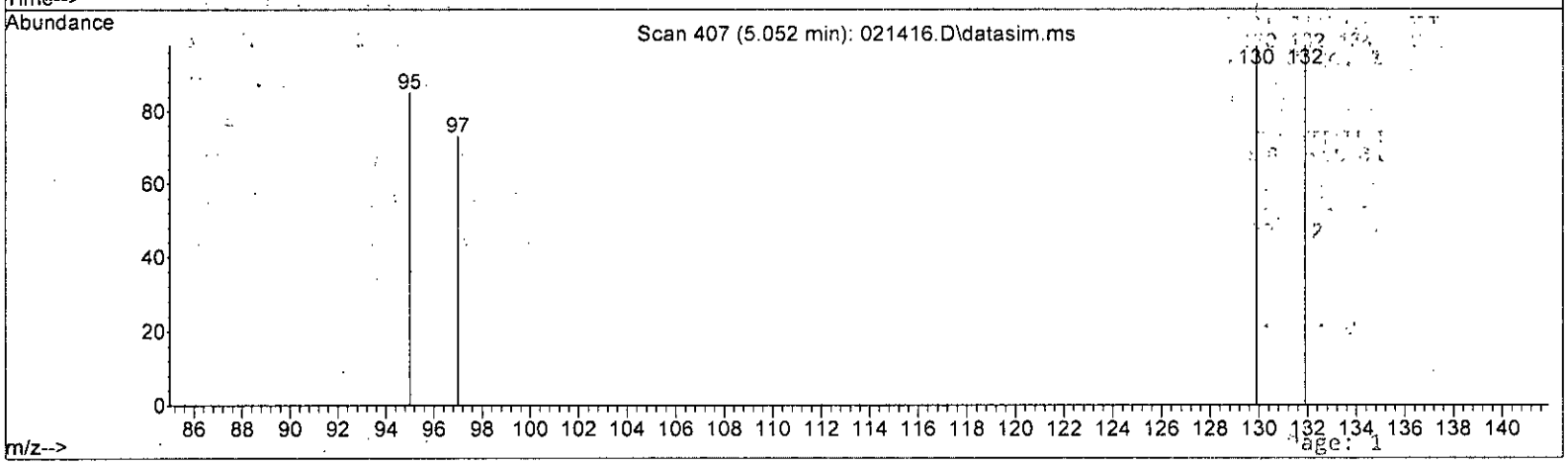
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.016 ppb m

response 56

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	85.88
129.90	158.20	115.29#
131.90	155.20	115.29#

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	64603	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	58994	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33520	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20700	10.262	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.45	102	4315	10.774	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 107.70%			
35) Toluene-d8	6.10	98	61202	10.174	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.70%			
57) 4-Bromofluorobenzene	8.51	95	21086	10.203	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D. d		
5) Chloromethane	0.00		0	N.D. d		
6] Vinyl chloride	1.33	62	84m	0.030	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12] 1,1-Dichloroethene	2.27	96	74m	0.026	ppb	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.94	73	89m	0.025	ppb	
17) trans-1,2-Dichloroethene	0.00		0	N.D. d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D. d		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	46	0.024	ppb	95
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D. d		
27] 1,1,1-Trichloroethane	4.19	97	62	0.022	ppb	94
28) 1,1-Dichloropropene	0.00		0	N.D. d		
29) Carbon tetrachloride	0.00		0	N.D. d		
31] Benzene	4.50	78	137	0.020	ppb	96
32] Trichloroethene	5.05	95	56m	0.016	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

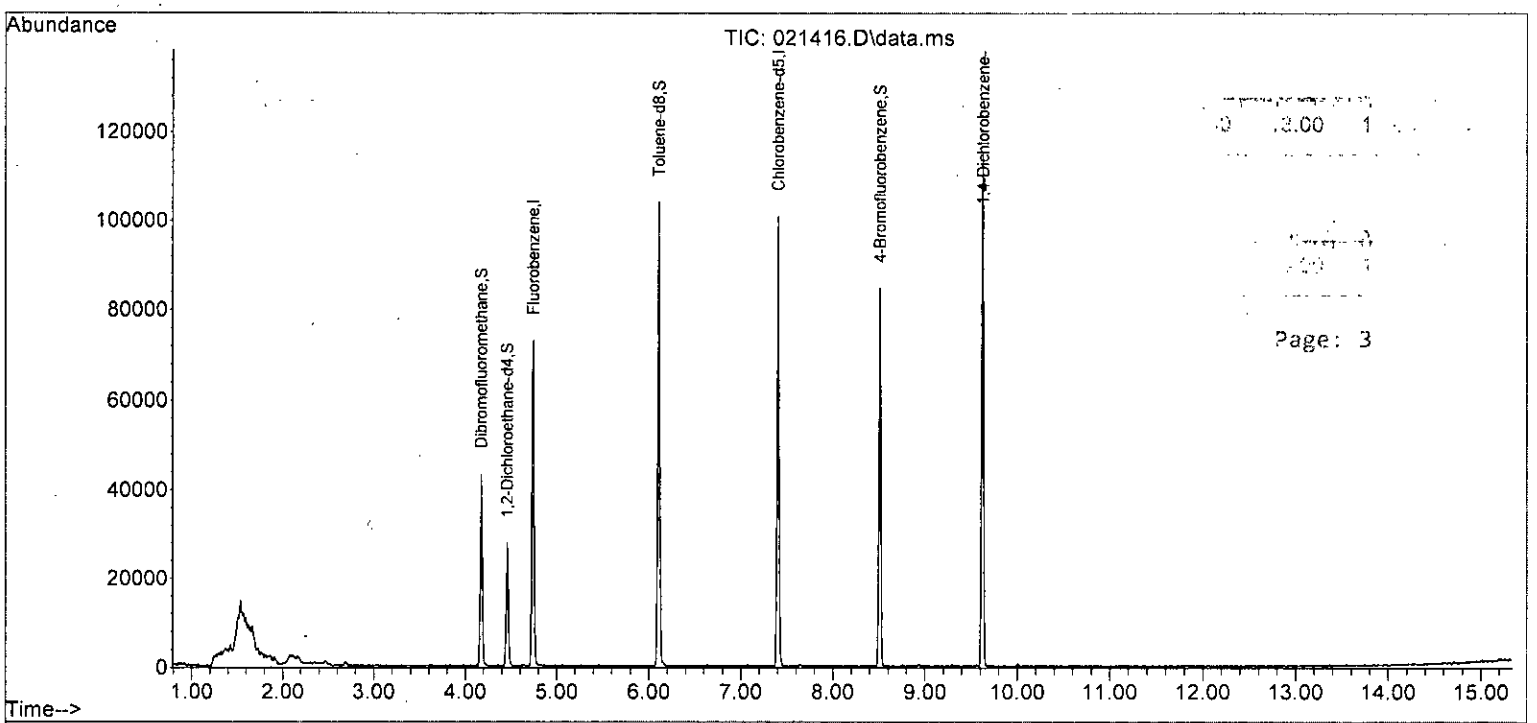
Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	131	0.019	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	68	0.019	ppb	98
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D. d		
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	192	0.019	ppb	100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	177	0.039	ppb	98
52] o-Xylene	8.02	106	80	0.019	ppb	97
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

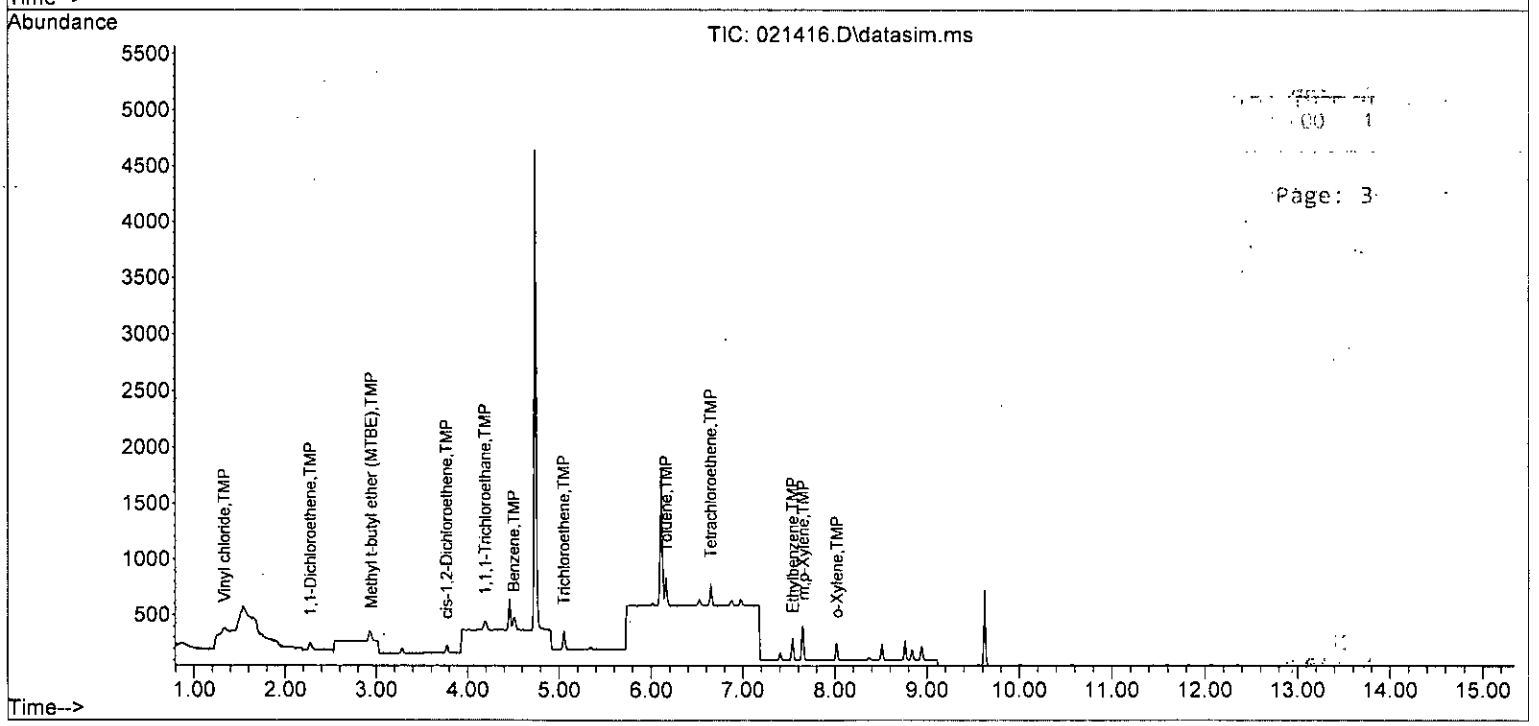
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



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Page: 3

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.01
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.262	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.020	0.030	-50.0#	109	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.020	0.026	-30.0#	110	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.025	-25.0#	114	0.01
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.92#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.020	0.024	-20.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.52#
27	TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	10.774	-7.7	100	0.00
31	TMP	Benzene	0.020	0.020	0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.016	20.0	88	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.174	-1.7	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.020	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.019	5.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.020	0.019	5.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.020	0.019	5.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.019	5.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.203	-2.0	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.01
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.650	-22.2#	109	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.573	-30.2#	110	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.689	-24.8#	114	0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.000#	100.0#	0#	-2.92#
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.356	-17.9	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.000#	100.0#	0#	-4.52#
27	TMP	1,1,1-Trichloroethane	0.437	0.480	-9.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.067	-8.1	100	0.00
31	TMP	Benzene	0.876	1.060	-21.0#	100	0.00
32	TMP	Trichloroethene	0.338	0.433	-28.1#	88	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.947	-1.7	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	1.110	-45.3#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.576	-27.4#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.627	-22.2#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.750	-27.1#	100	0.00
52	TMP	o-Xylene	0.566	0.678	-19.8	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

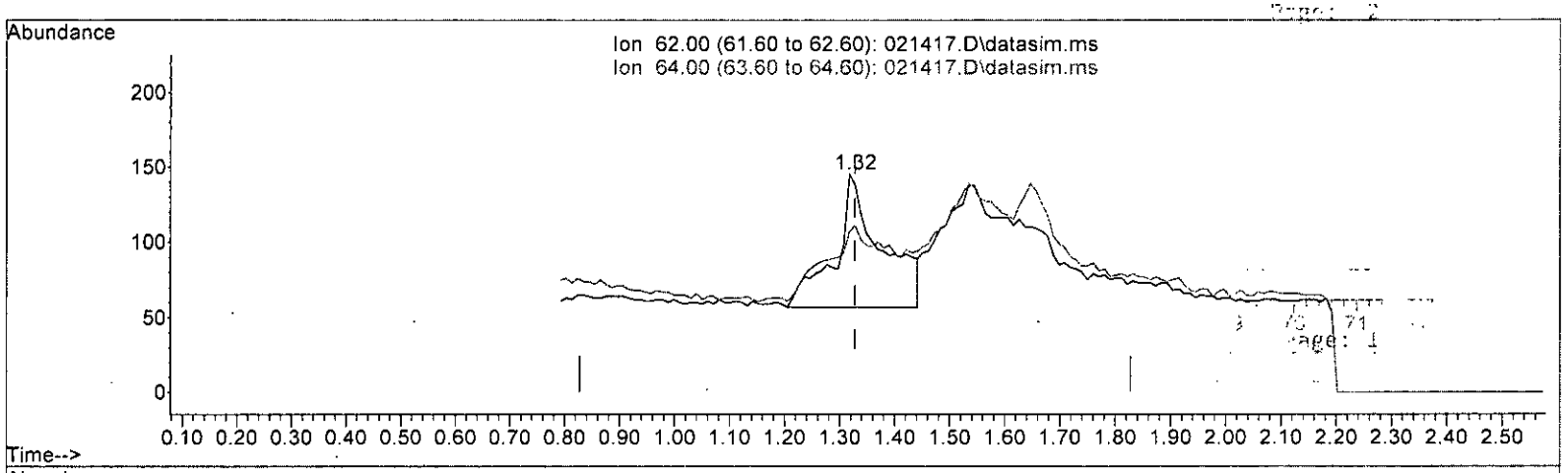
Page: 2

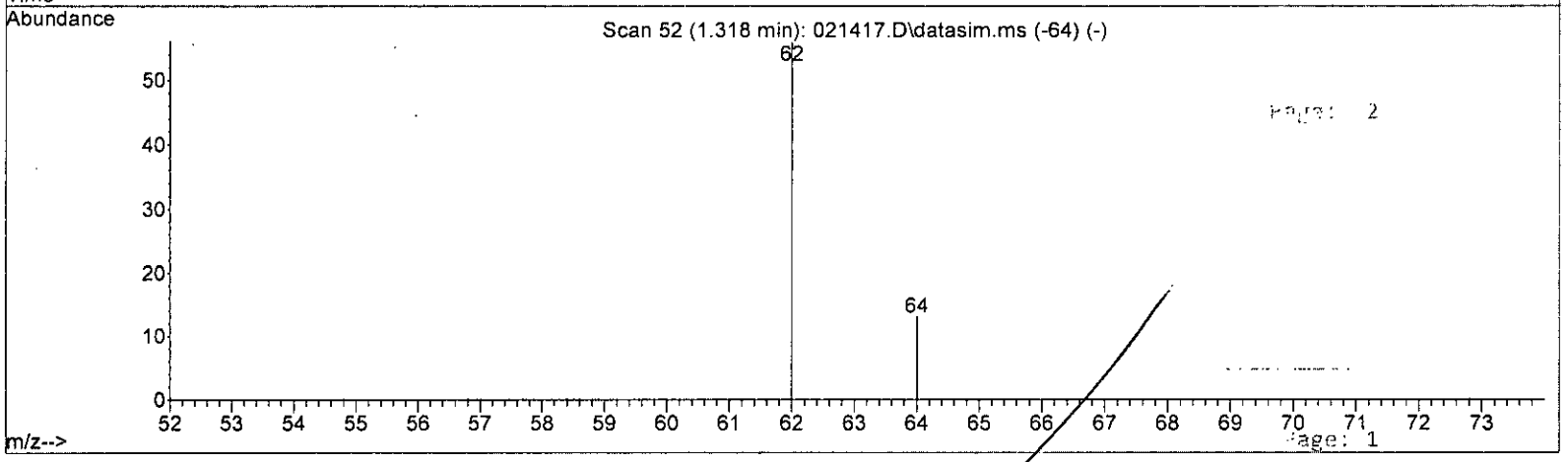
(#) = Out of Range SPCC's out = 56 CCC's out = 0

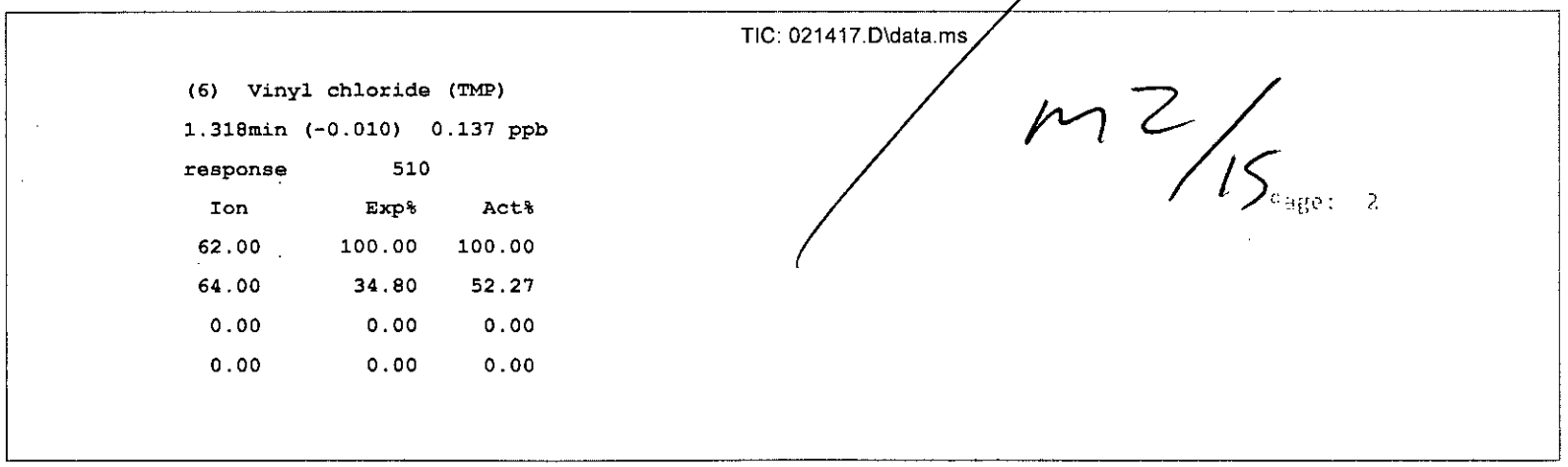
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







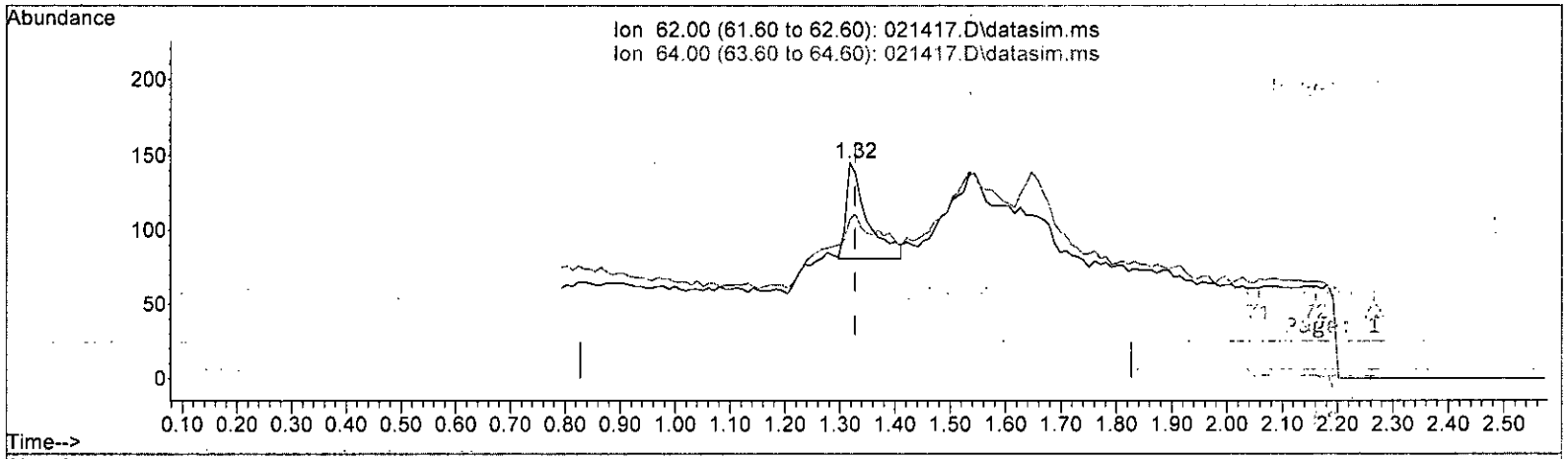
(6) Vinyl chloride (TMP)
1.318min (-0.010) 0.137 ppb
response 510

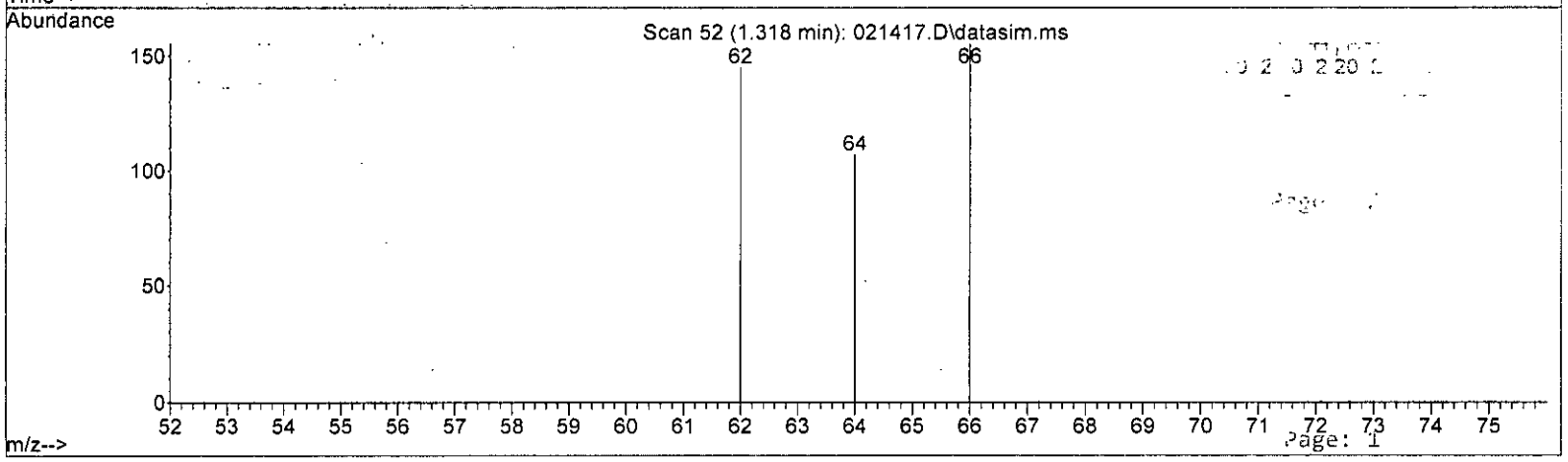
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	52.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(6) Vinyl chloride (TMP)

1.318min (-0.010) 0.050 ppb m

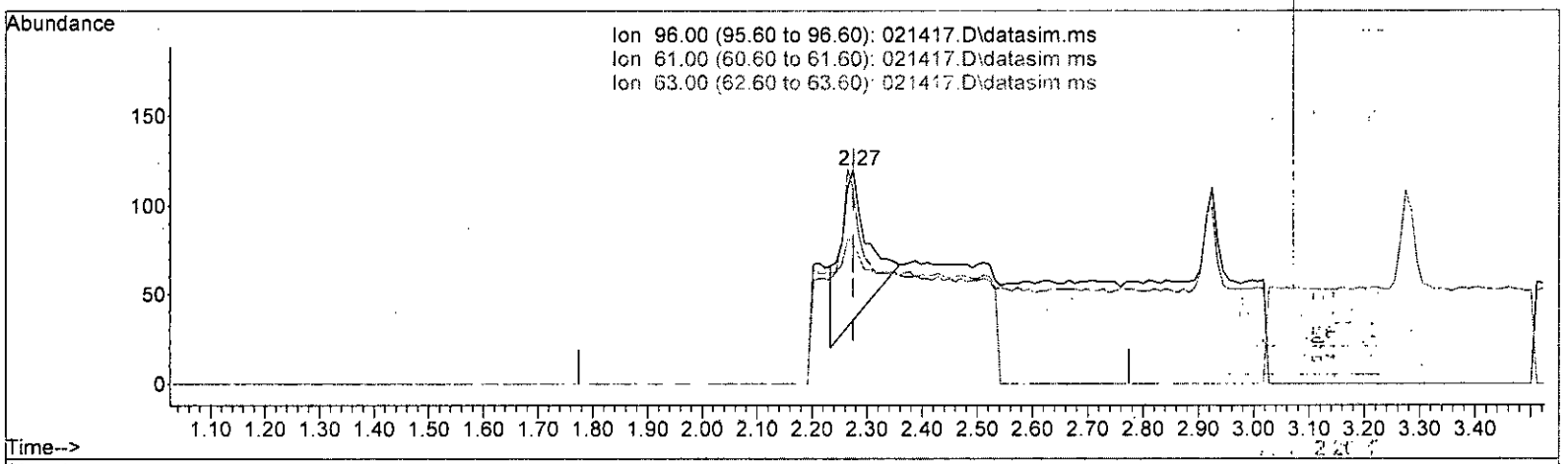
response 172

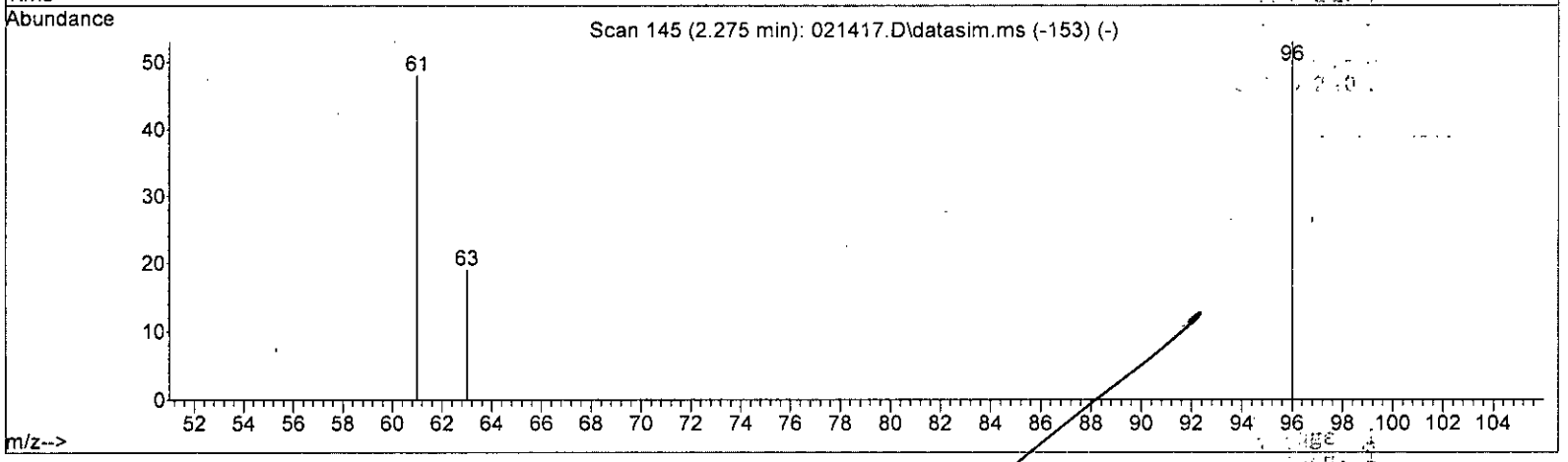
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	73.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

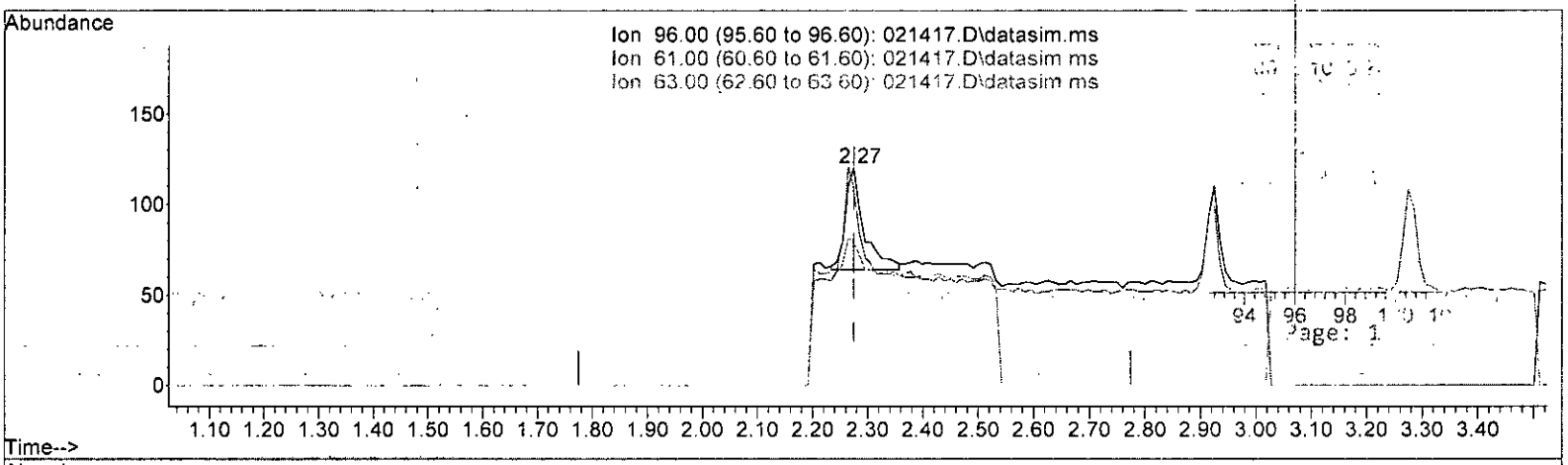
(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.093 ppb
response 288

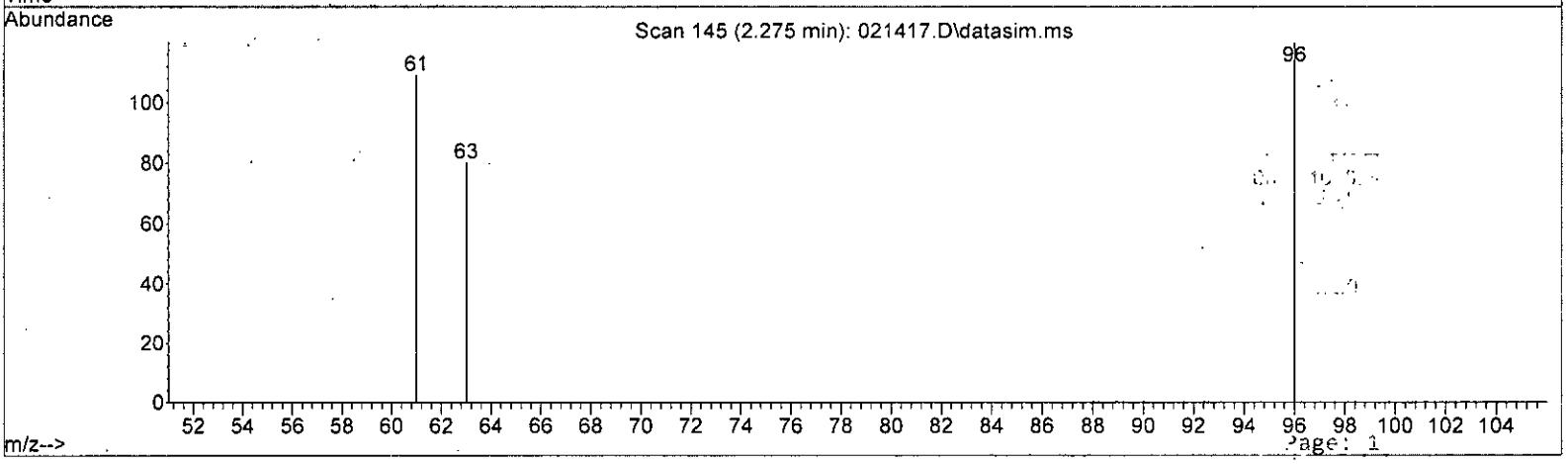
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	94.44
63.00	36.10	35.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.043 ppb m
response 132

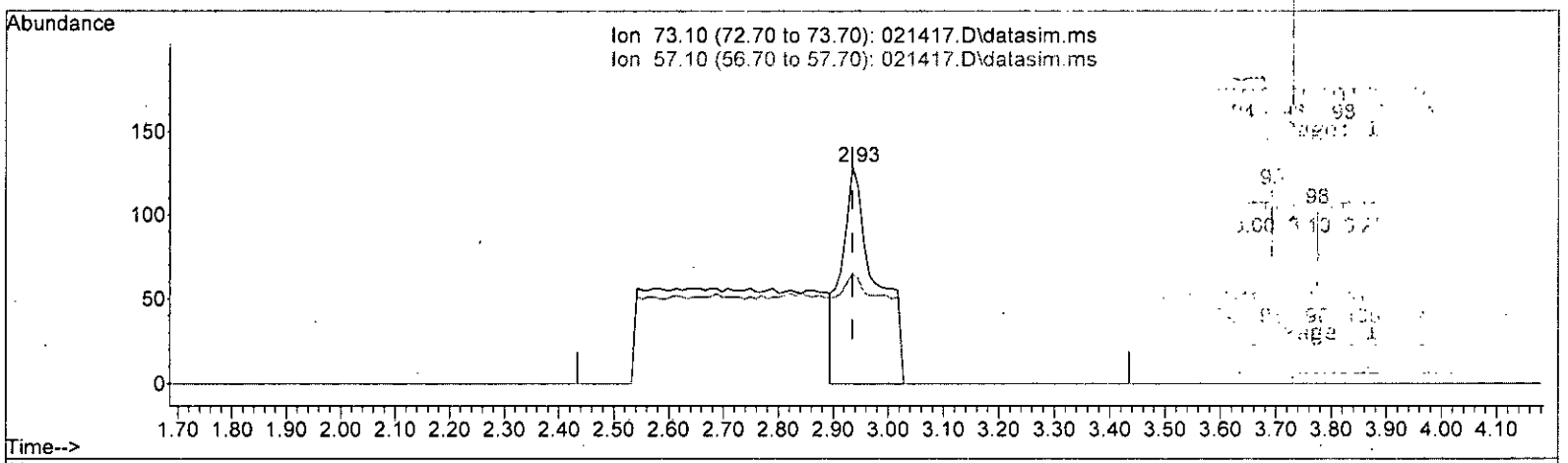
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	90.83
63.00	36.10	66.67#
0.00	0.00	0.00

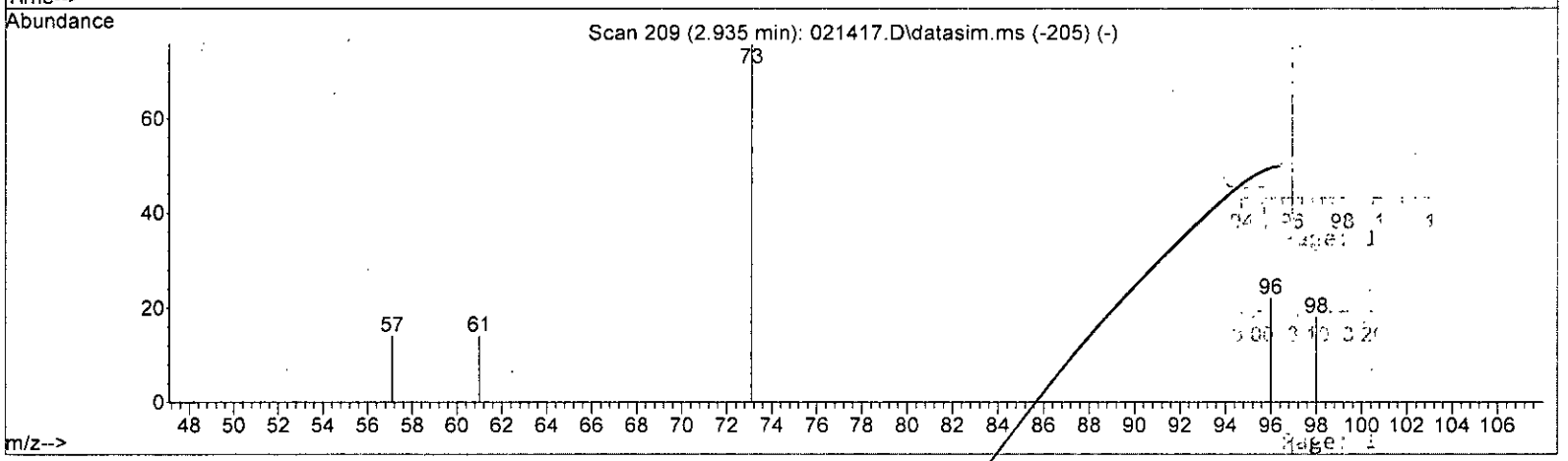
2/15

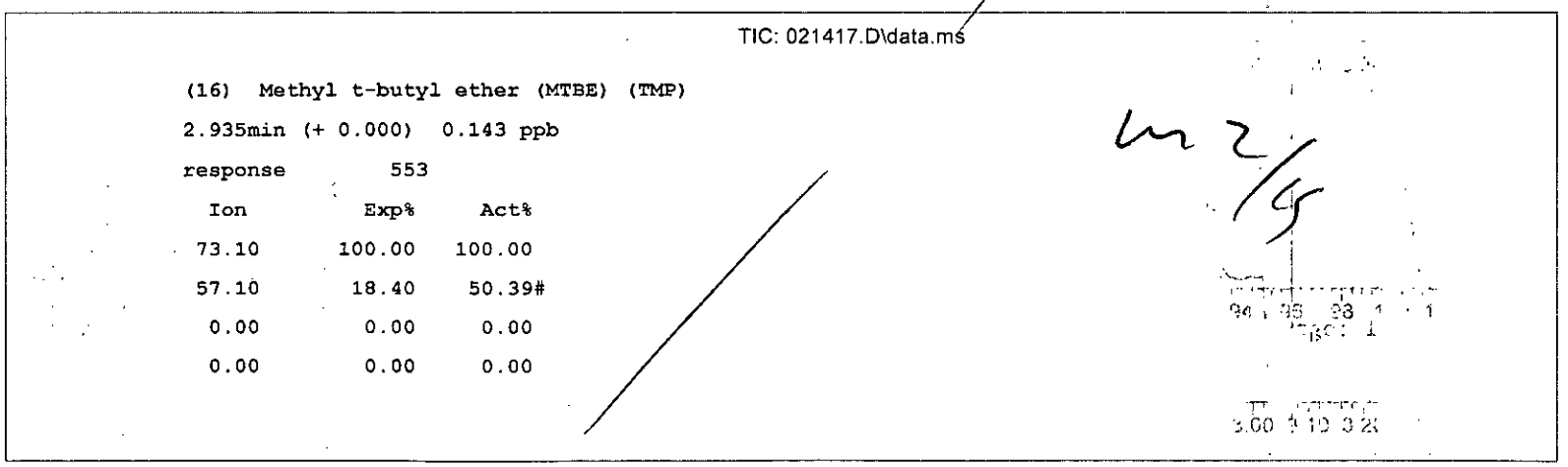
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.000) 0.143 ppb

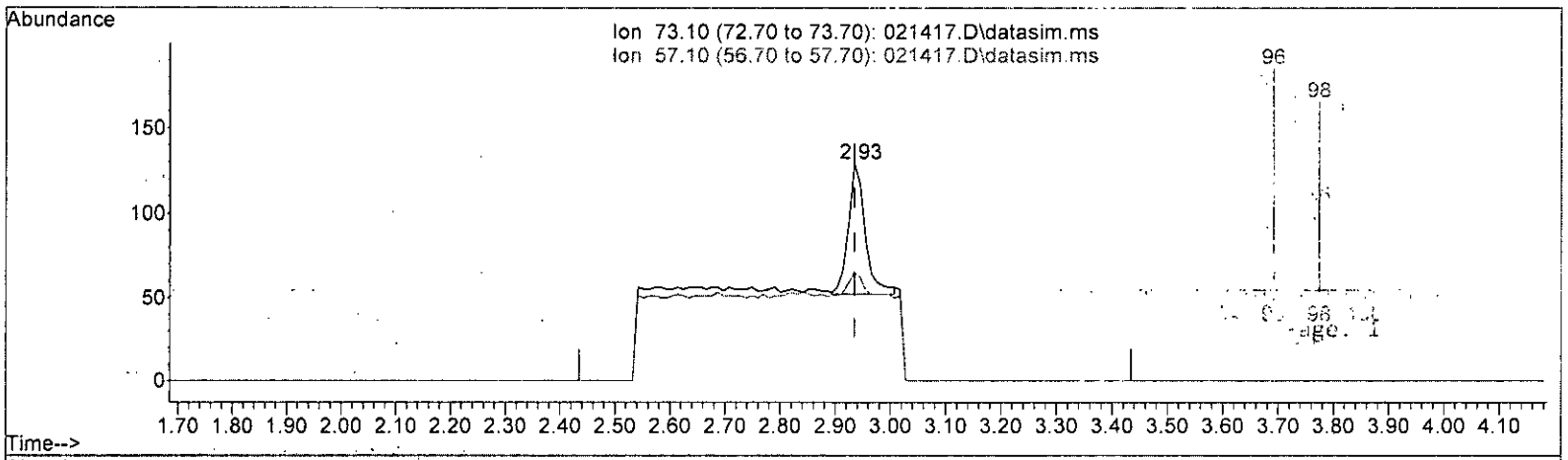
response 553

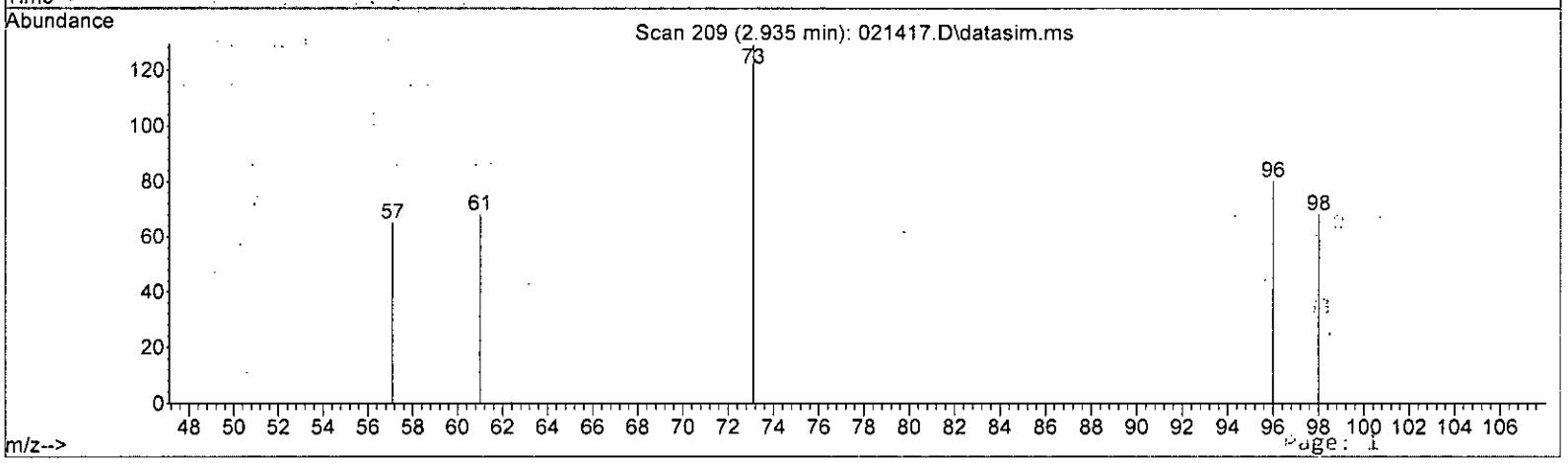
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (+ 0.000) 0.042 ppb m
response 164

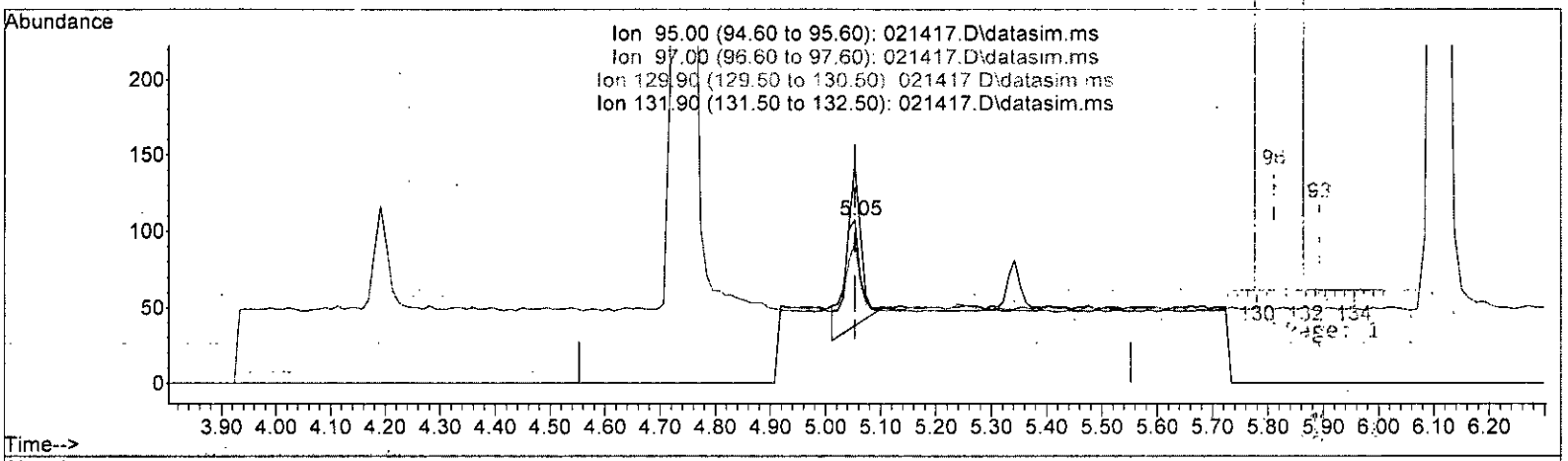
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

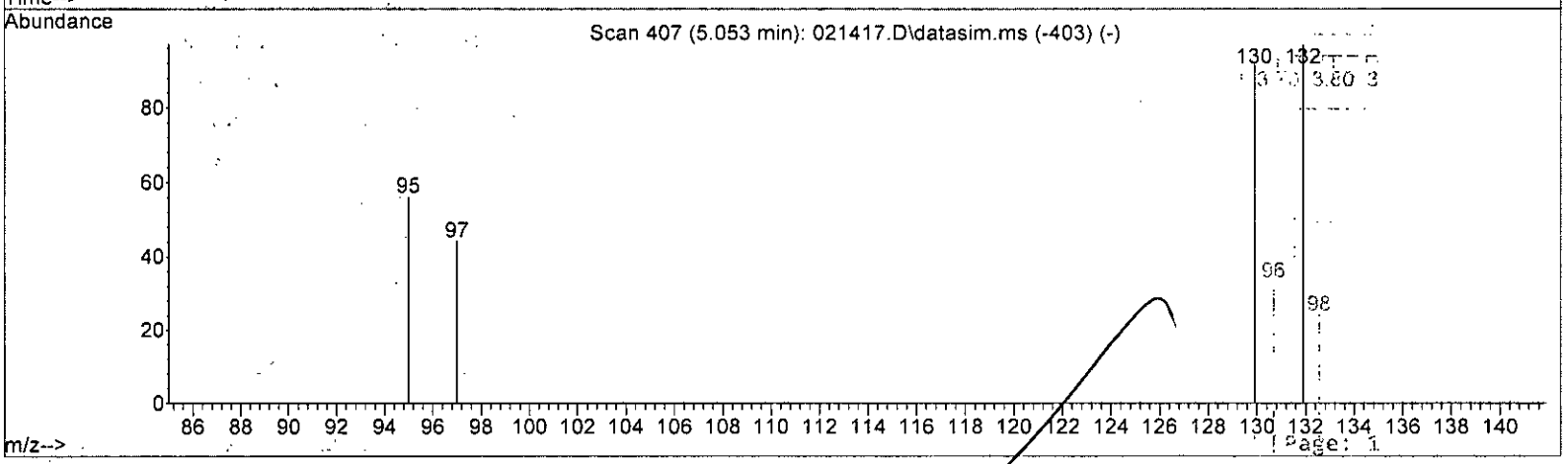
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

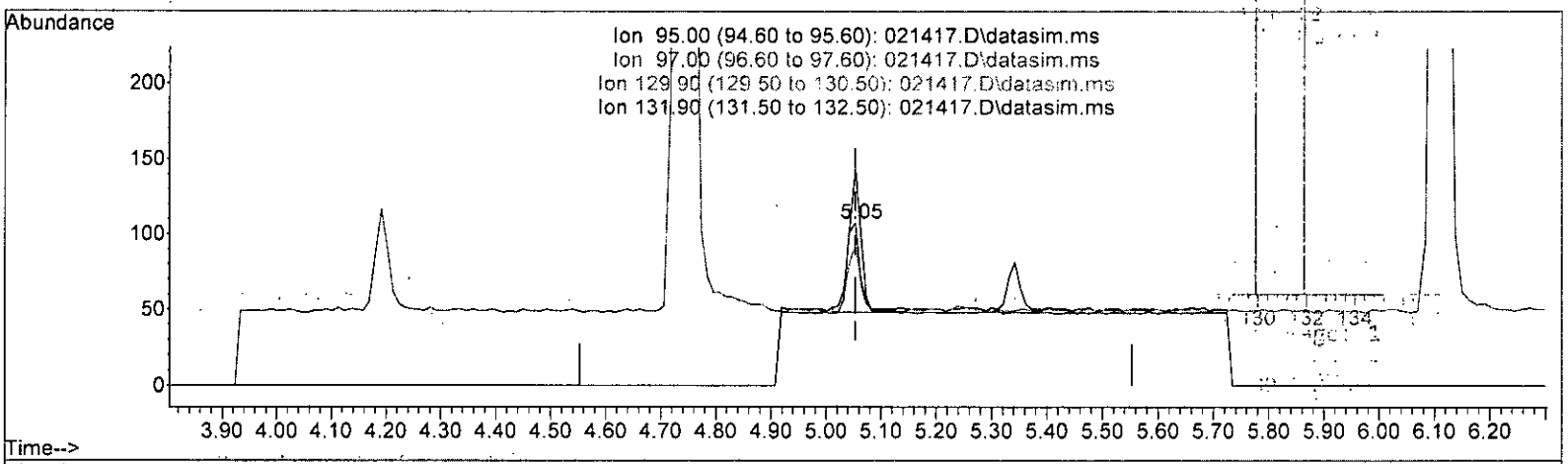
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.057 ppb
response 152

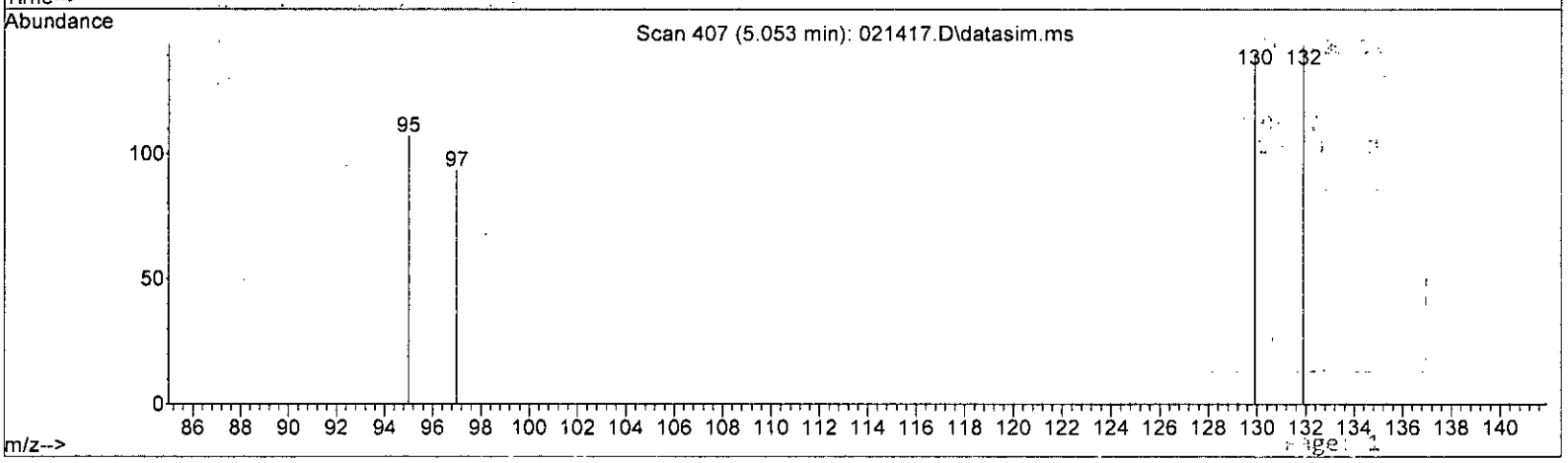
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	77.19
129.90	158.20	163.16
131.90	155.20	170.18

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.034 ppb m

response 102

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	86.92
129.90	158.20	131.78
131.90	155.20	134.58

M 2/15

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	70232	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58100	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33383	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	20747	9.461	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3986	9.155	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 91.50%			
35) Toluene-d8	6.11	98	60957	9.321	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.20%			
57) 4-Bromofluorobenzene	8.51	95	20963	10.185	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.90%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	172m	0.050	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.27	96	132m	0.043	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	164m	0.042	ppb	
17] trans-1,2-Dichloroethene	2.92	96	84	0.042	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	98	0.043	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	91	0.043	ppb	95
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	124	0.043	ppb	96
27] 1,1,1-Trichloroethane	4.19	97	115	0.038	ppb	98
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	271	0.040	ppb	99
32] Trichloroethene	5.05	95	102m	0.034	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	226	0.043	ppb	98
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	129	0.044	ppb	88
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	97	0.050	ppb	91
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	374	0.044	ppb	98
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	327	0.085	ppb	97
52] o-Xylene	8.02	106	156	0.043	ppb	100
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

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Page: 2

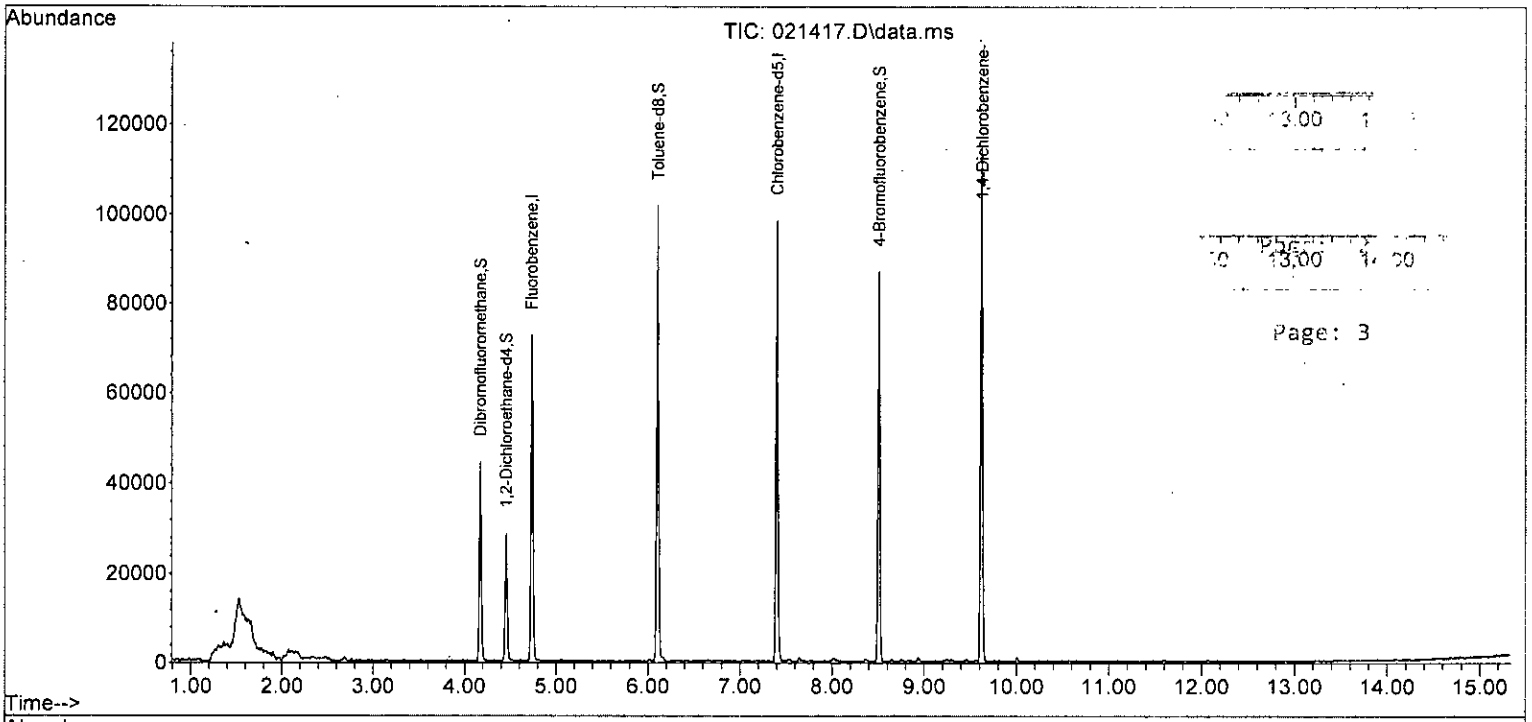
Page: 2

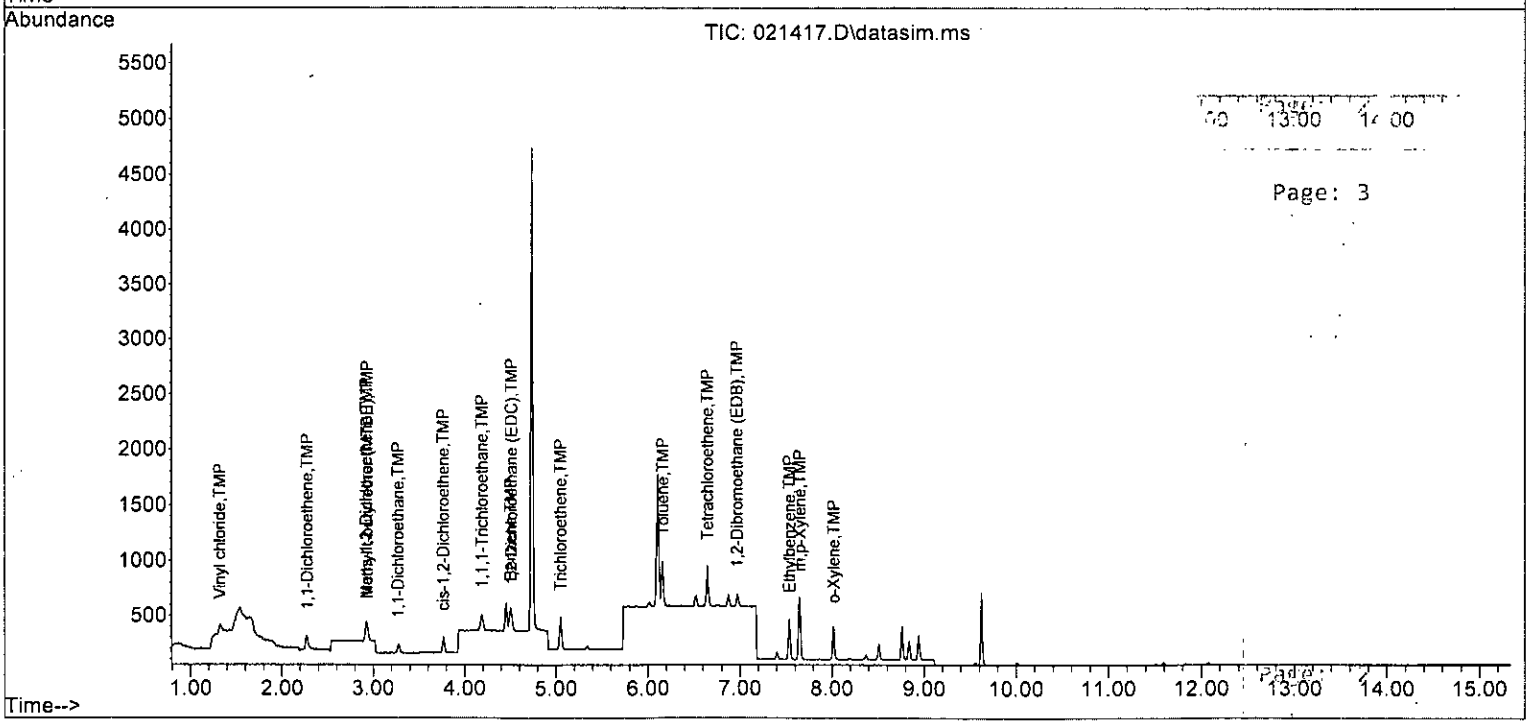
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.461	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.040	0.050	-25.0#	100	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.040	0.043	-7.5	96	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.040	0.042	-5.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.040	0.043	-7.5	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.043	-7.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.038	5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.155	8.5	100	0.00
31	TMP	Benzene	0.040	0.040	0.0	100	0.00
32	TMP	Trichloroethene	0.040	0.034	15.0	89	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.040	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.321	6.8	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.040	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.043	-7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.040	0.044	-10.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.050	-25.0#	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.040	0.044	-10.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.080	0.085	-6.3	100	0.00
52	TMP	o-Xylene	0.040	0.043	-7.5	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.185	-1.9	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

Page: 2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.295	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.612	-15.0	100	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.470	-6.8	96	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.584	-5.8	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.299	-5.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.349	-6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.324	-7.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.441	-46.5#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.409	6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.057	8.1	100	0.00
31	TMP	Benzene	0.876	0.965	-10.2	100	0.00
32	TMP	Trichloroethene	0.338	0.363	-7.4	89	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.868	6.8	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.972	-27.2#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

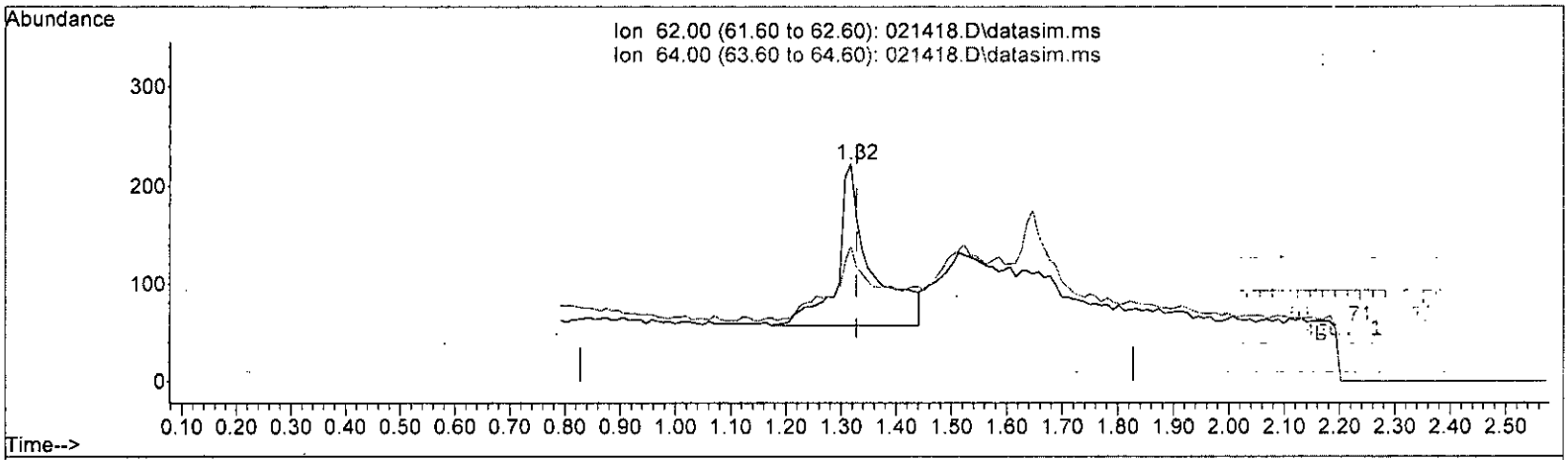
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.555	-22.8#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.417	-26.0#	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.609	-20.9#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.704	-19.3	100	0.00
52	TMP	o-Xylene	0.566	0.671	-18.6	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.628	-1.8	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

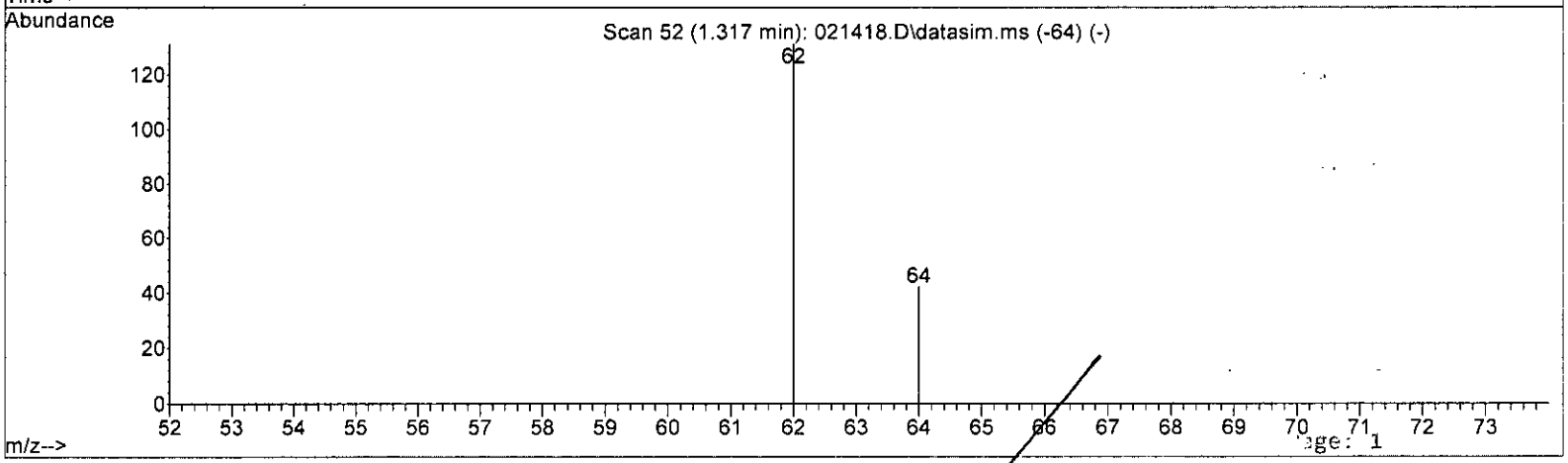
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.204 ppb
response 700

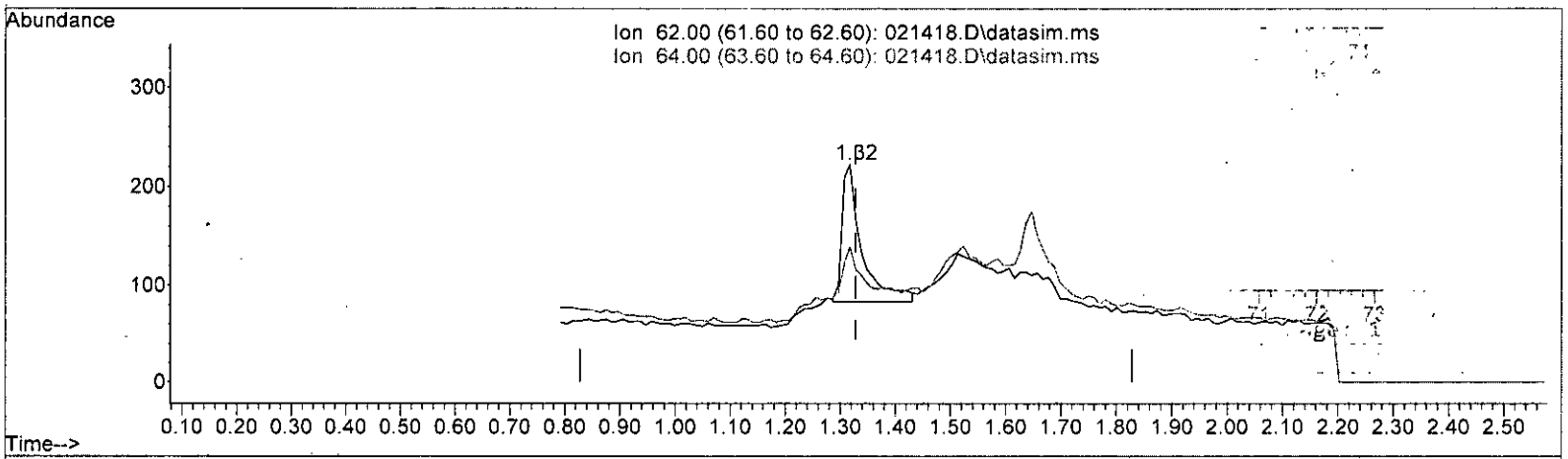
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	44.85
0.00	0.00	0.00
0.00	0.00	0.00

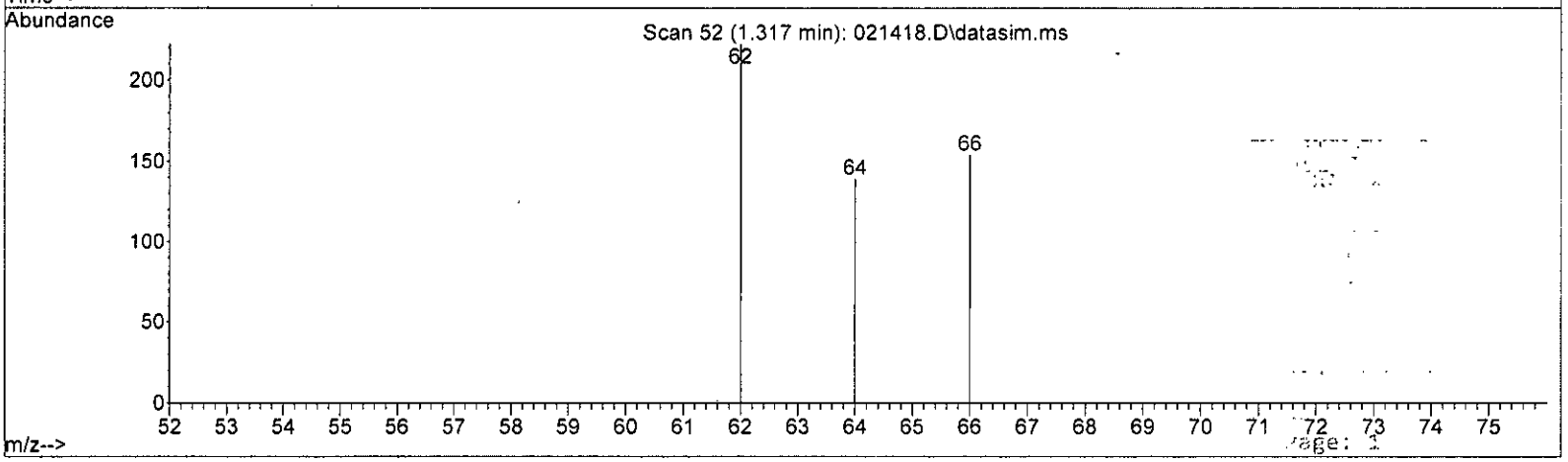
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.105 ppb m
response 348

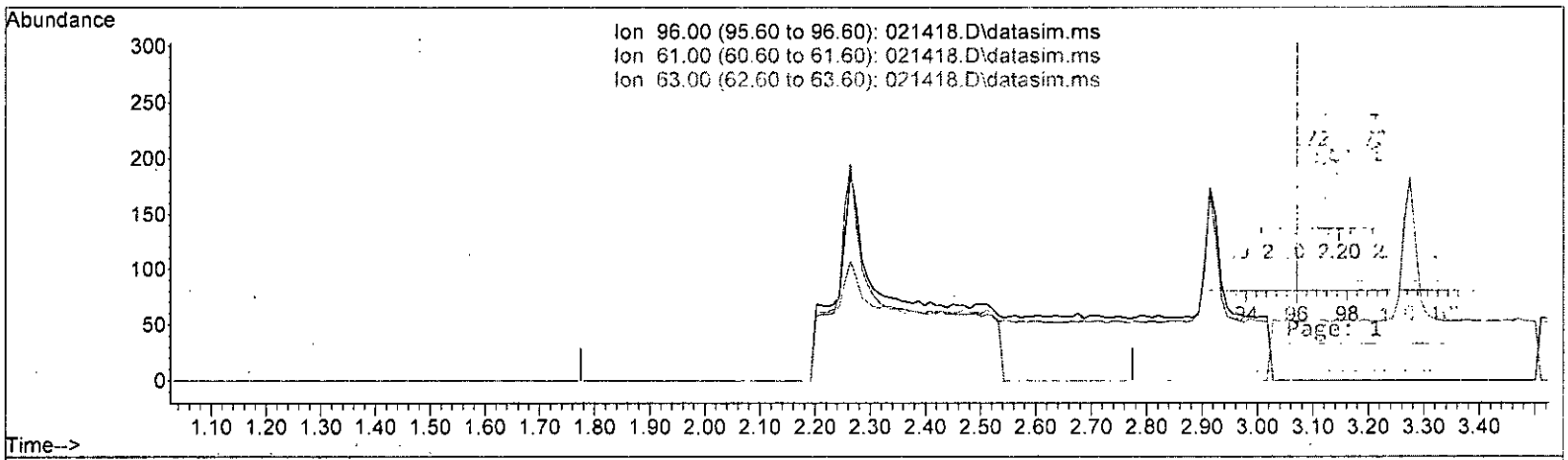
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	62.61
0.00	0.00	0.00
0.00	0.00	0.00

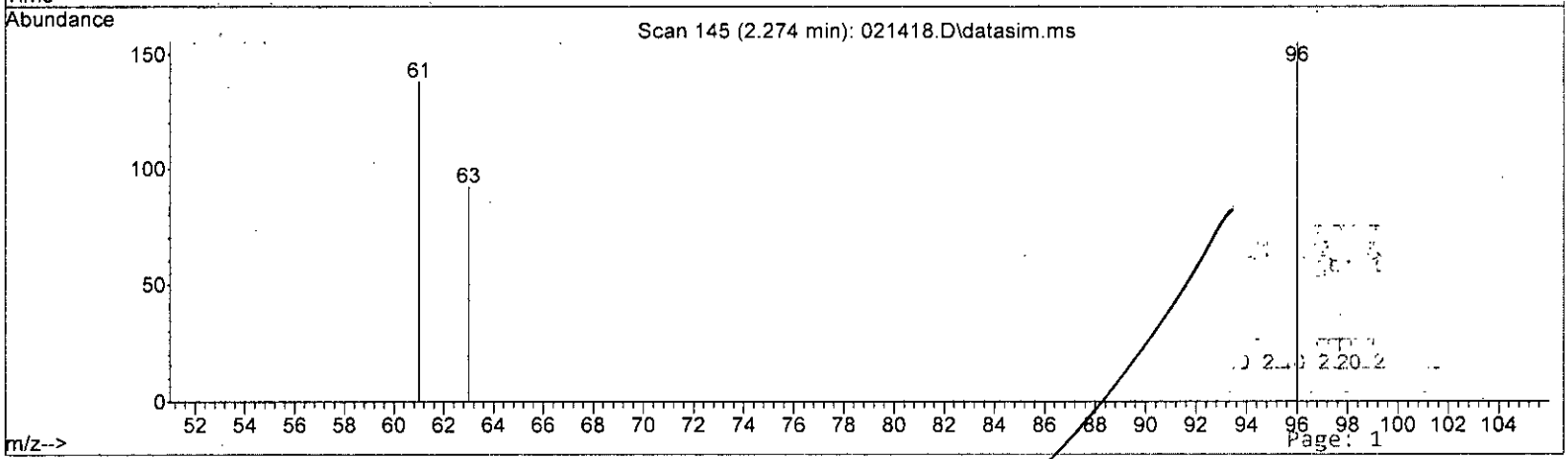
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.275min 0.000 ppb d

response 0

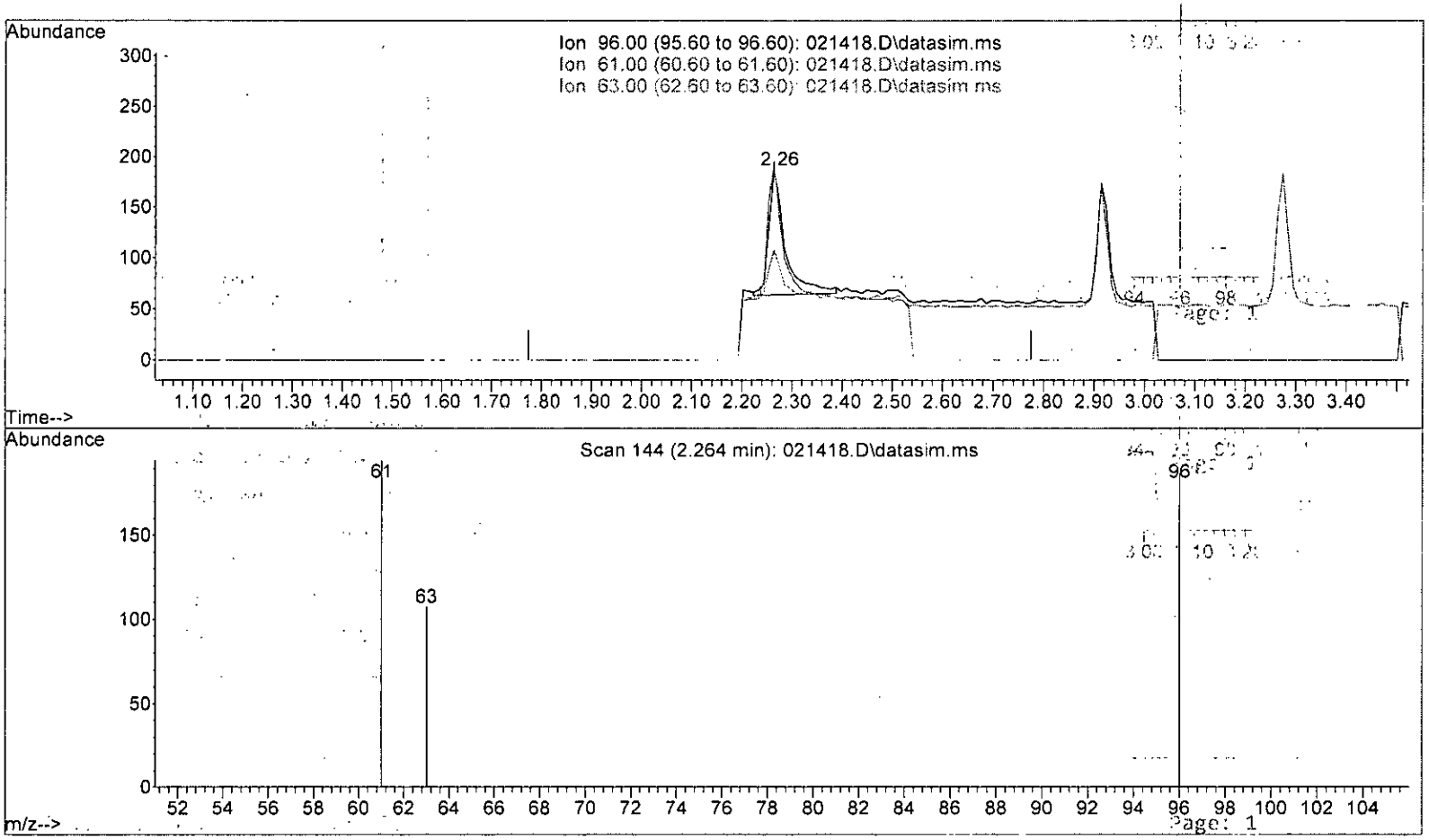
Ion	Exp%	Act%
96.00	100.00	0.00
61.00	104.80	0.00
63.00	36.10	0.00
0.00	0.00	0.00

accidental deletion

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.099 ppb m

response 279

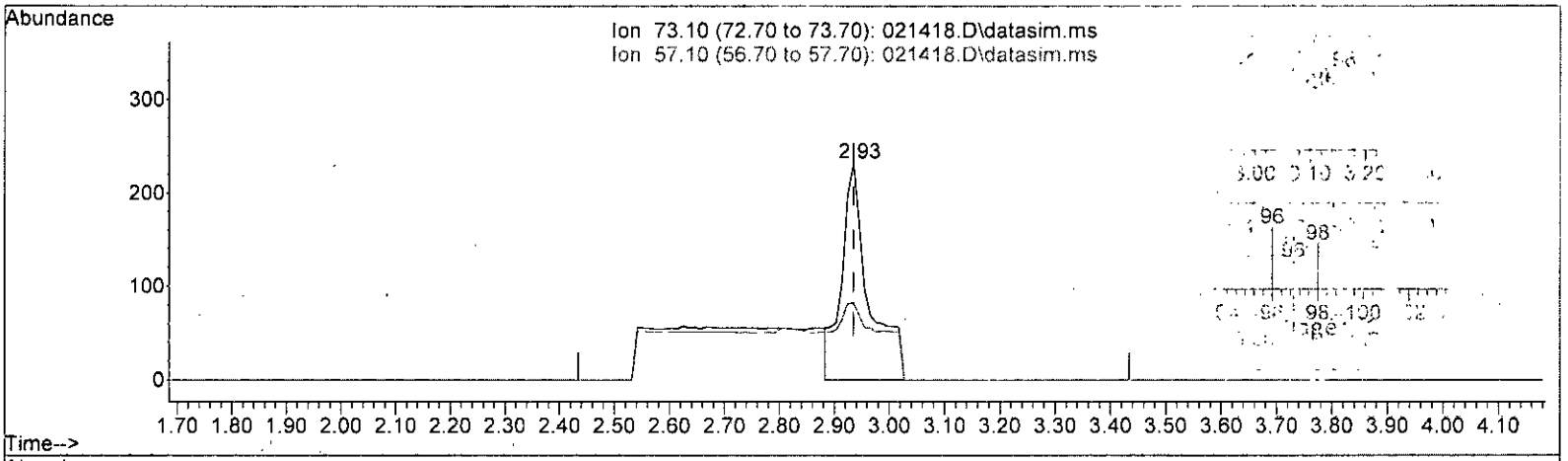
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.28
63.00	36.10	57.22
0.00	0.00	0.00

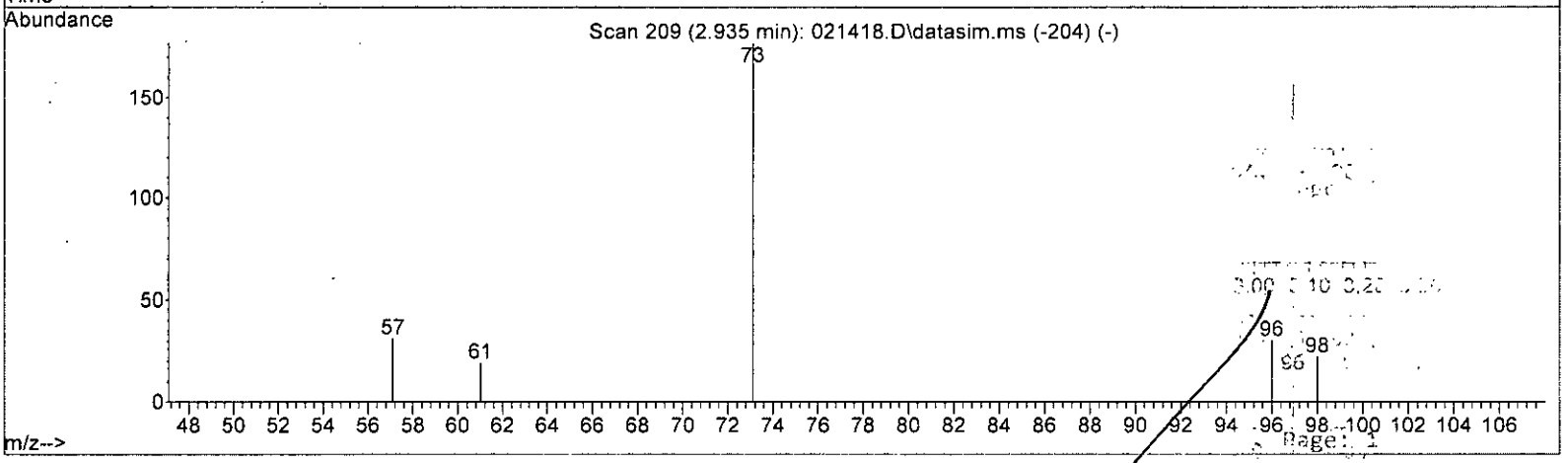
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

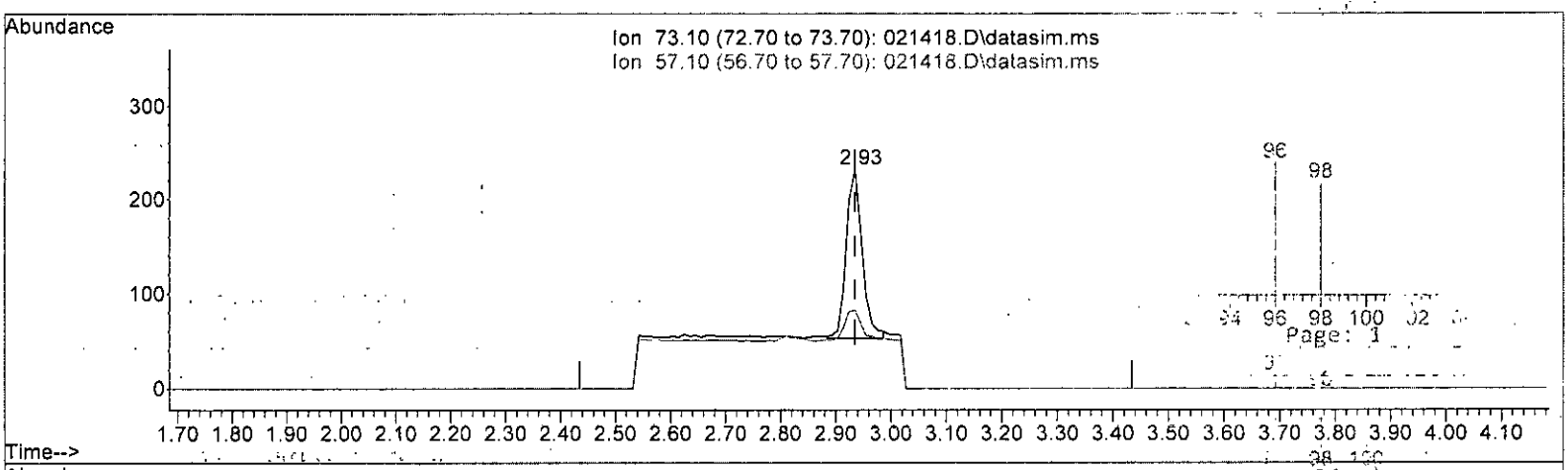
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.224 ppb
response 789

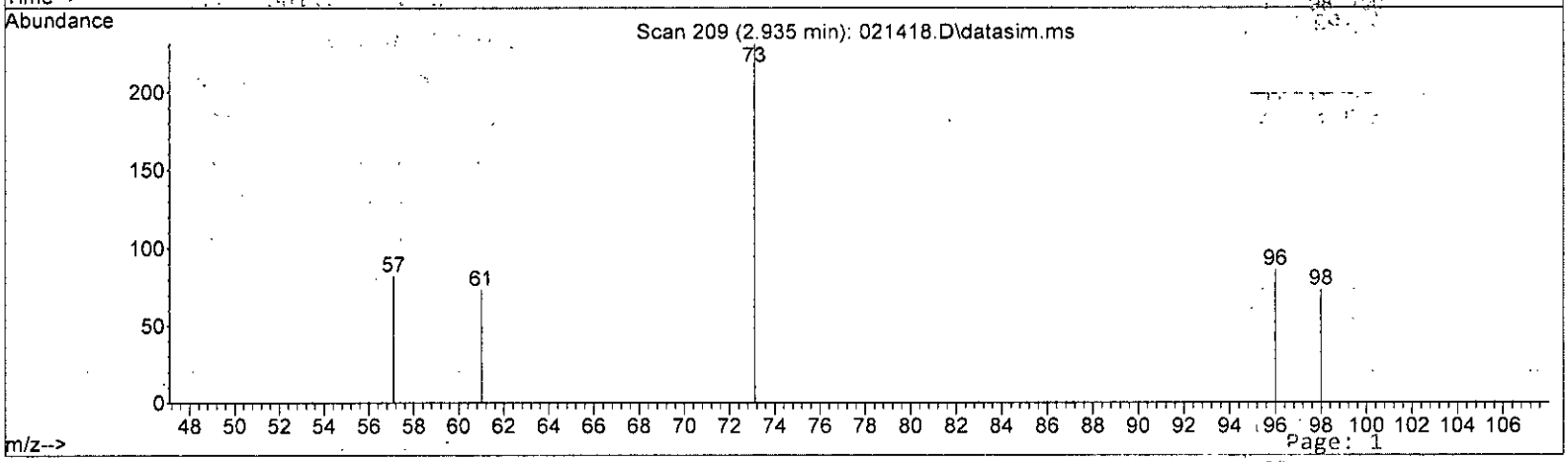
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.101 ppb m

response 355

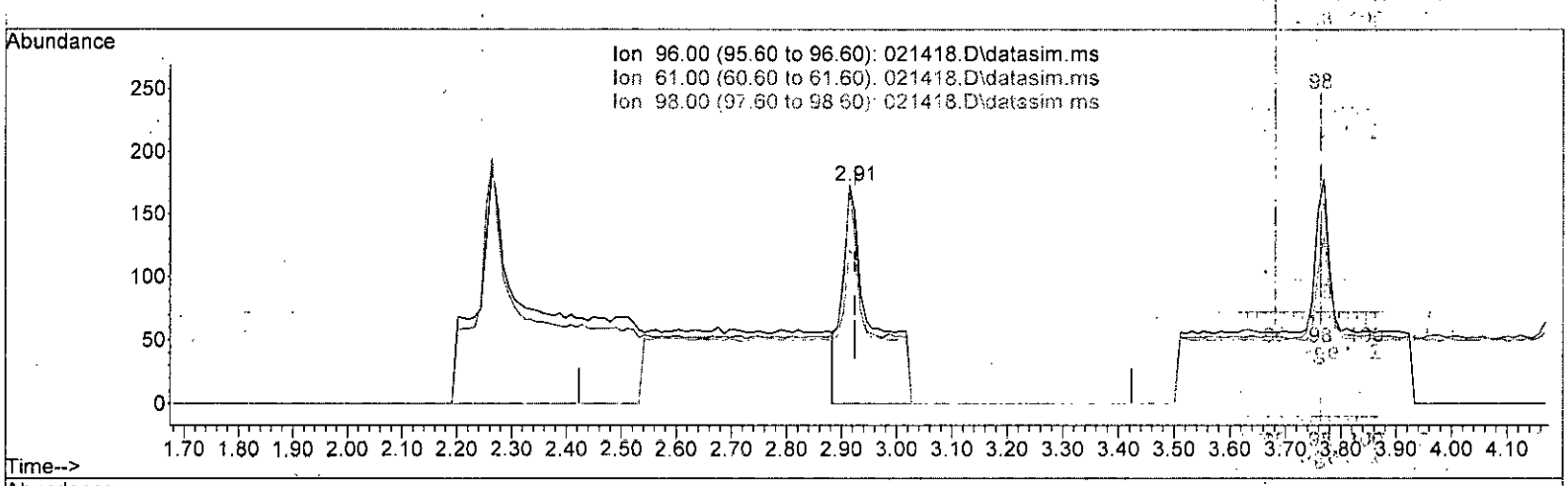
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

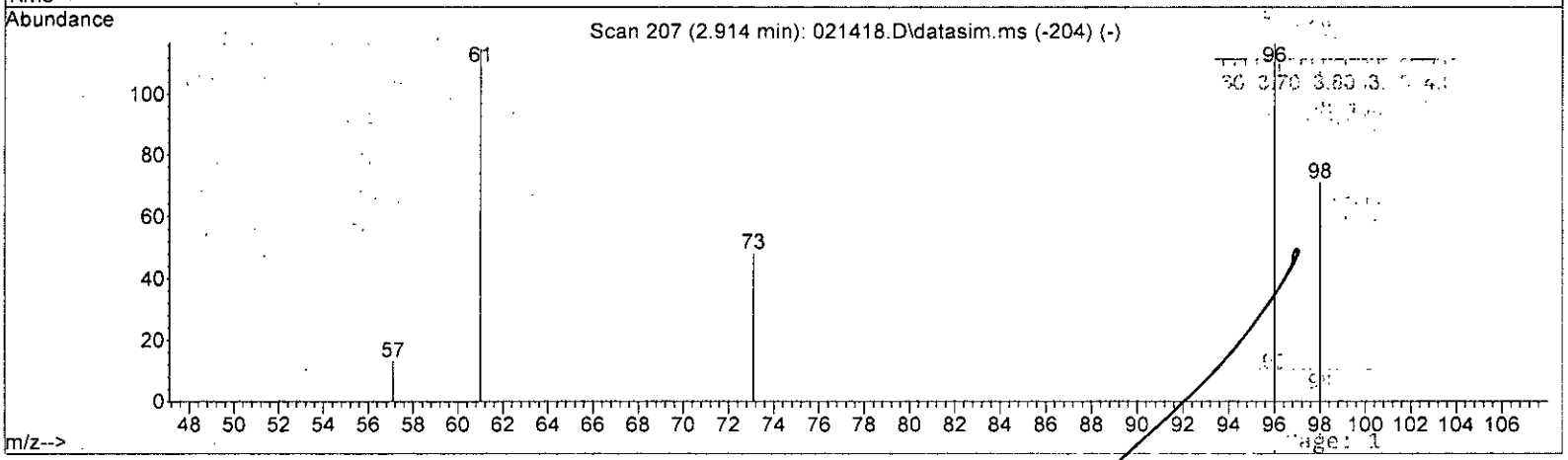
2/15

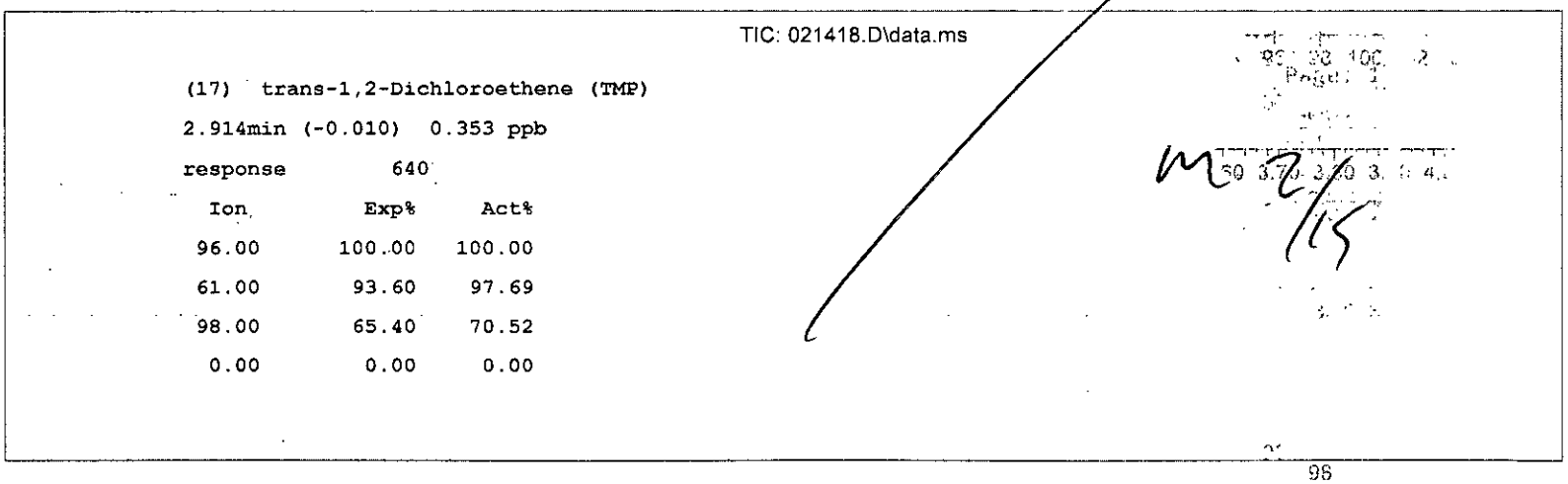
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.353 ppb

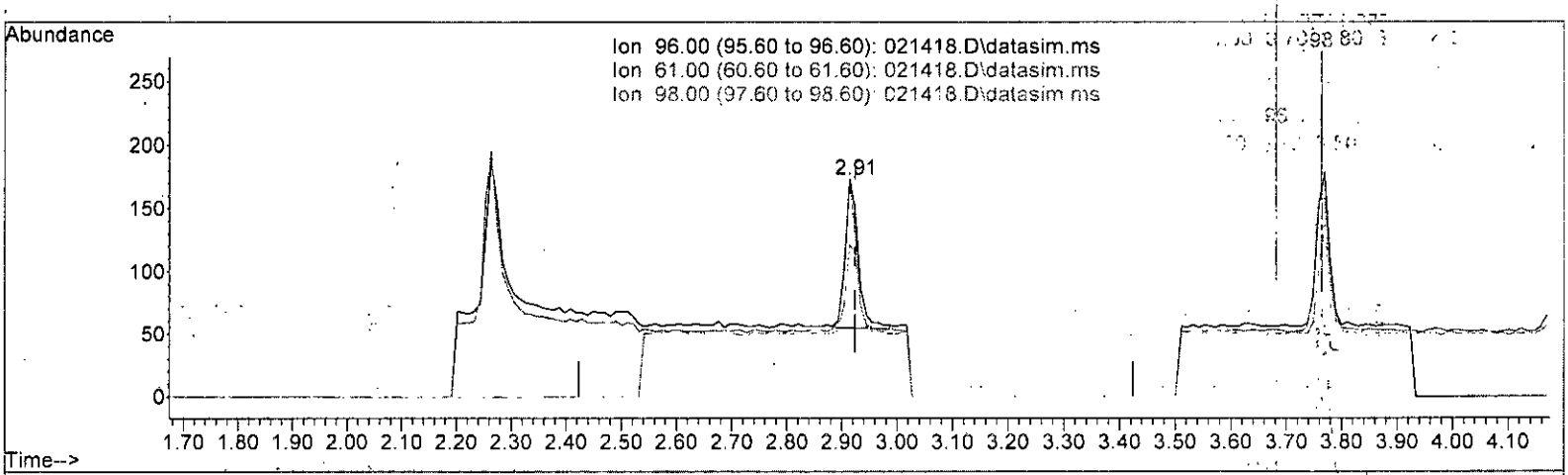
response 640

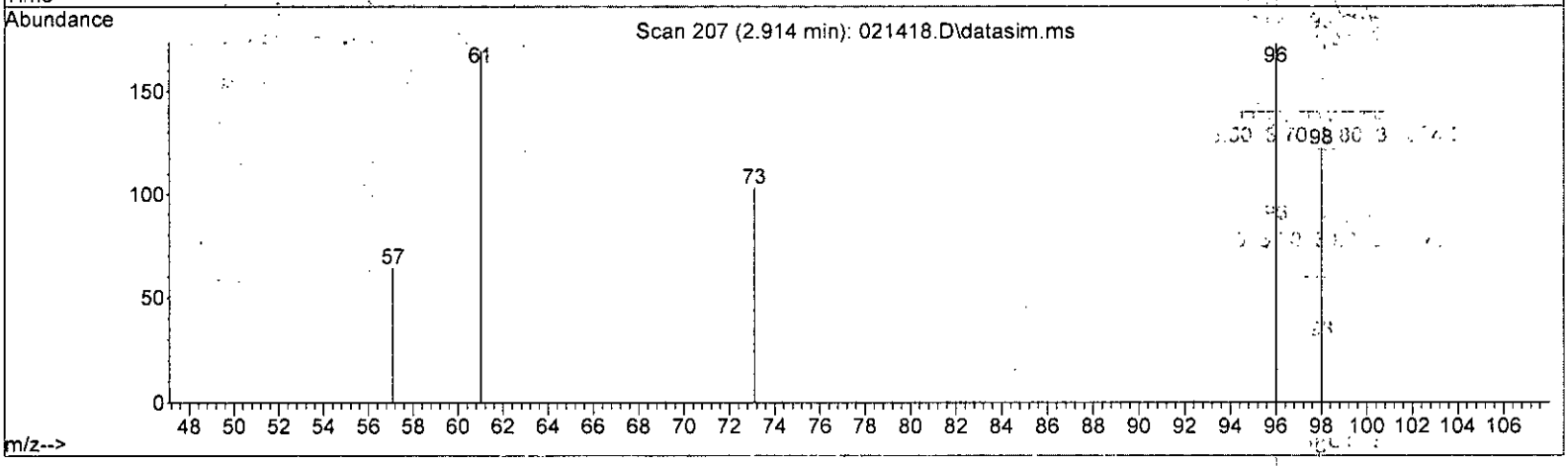
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.109 ppb m

response 197

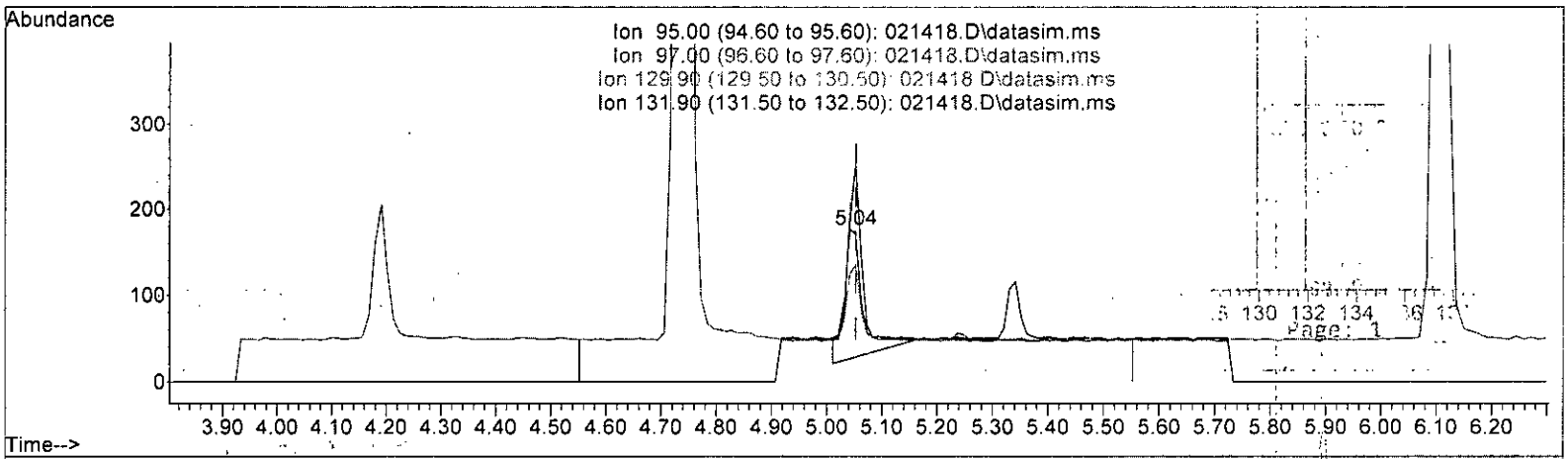
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

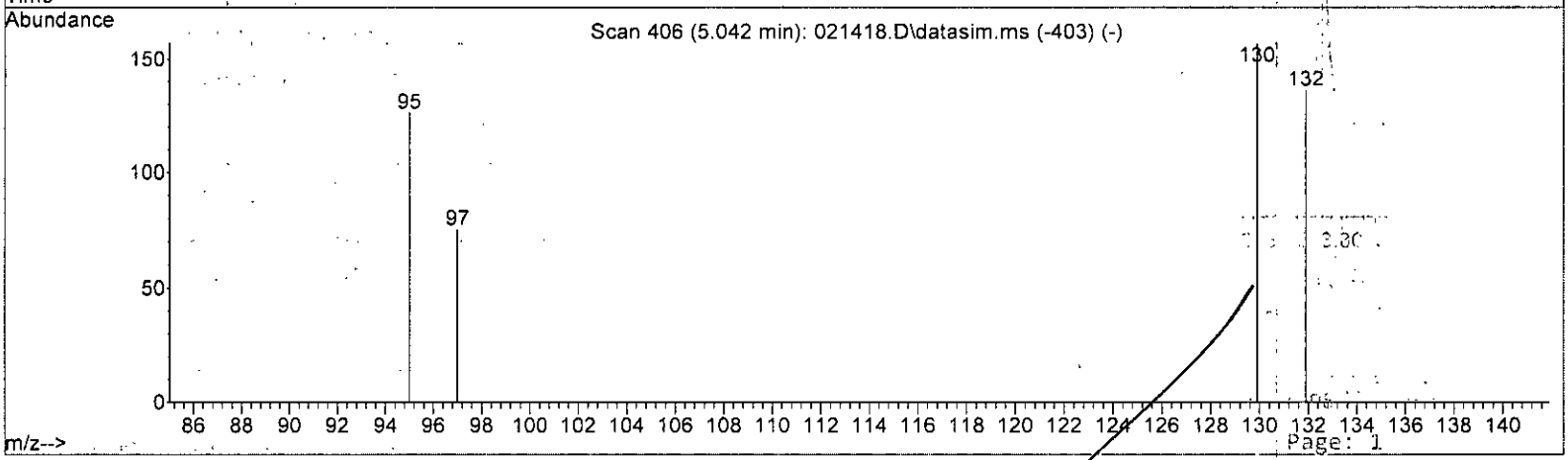
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

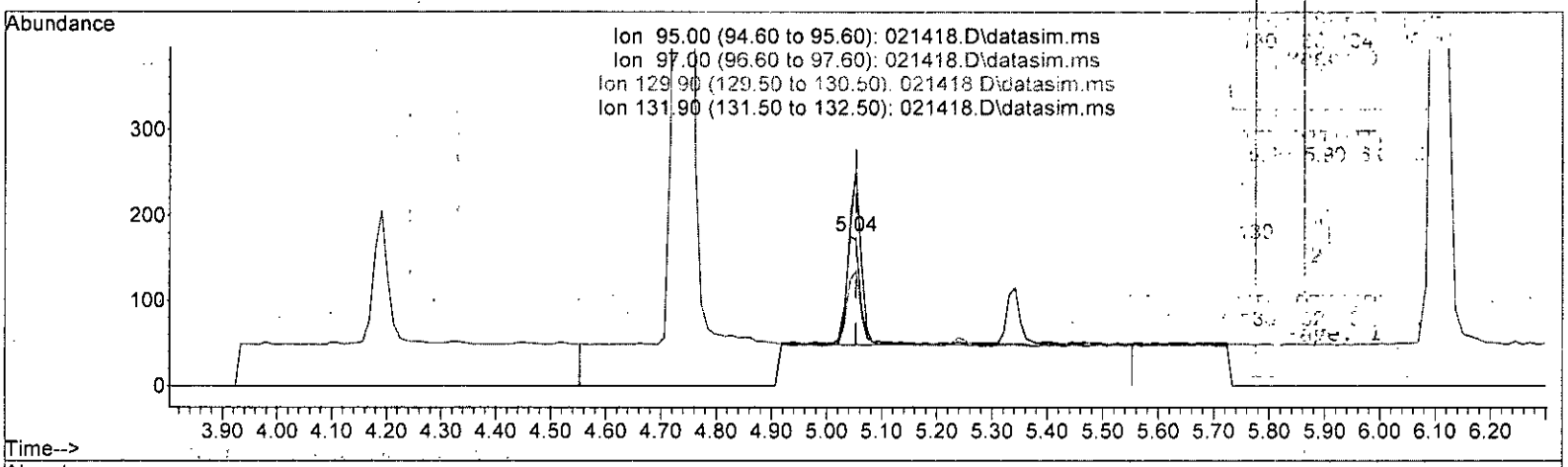
(32) Trichloroethene (TMP)
5.042min (-0.011) 0.163 ppb
response 350

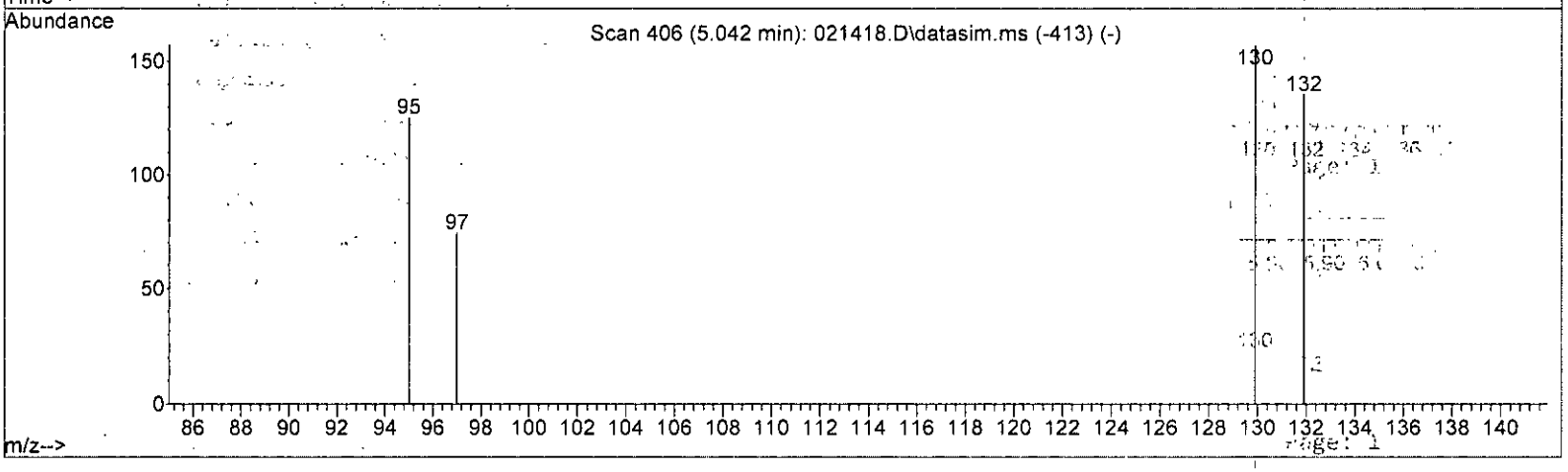
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	59.06
129.90	158.20	124.41#
131.90	155.20	107.09#

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(32) Trichloroethene (TMP)

5.042min (-0.011) 0.100 ppb m

response 223

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.45
129.90	158.20	116.48#
131.90	155.20	104.55#

m 2/15

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	63727	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58408	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33364	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20119	10.111	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%			
30) 1,2-Dichloroethane-d4	4.45	102	3937	9.965	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 99.70%			
35) Toluene-d8	6.11	98	61256	10.323	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	20871	10.146	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	348m	0.105	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.26	96	279m	0.099	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	355m	0.101	ppb	
17] trans-1,2-Dichloroethene	2.91	96	197m	0.109	ppb	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	211	0.101	ppb	91
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.77	96	193	0.100	ppb	92
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	228	0.107	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	275	0.099	ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	578	0.102	ppb	98
32] Trichloroethene	5.04	95	223m	0.100	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	5.47	83	149	0.137	ppb	77
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

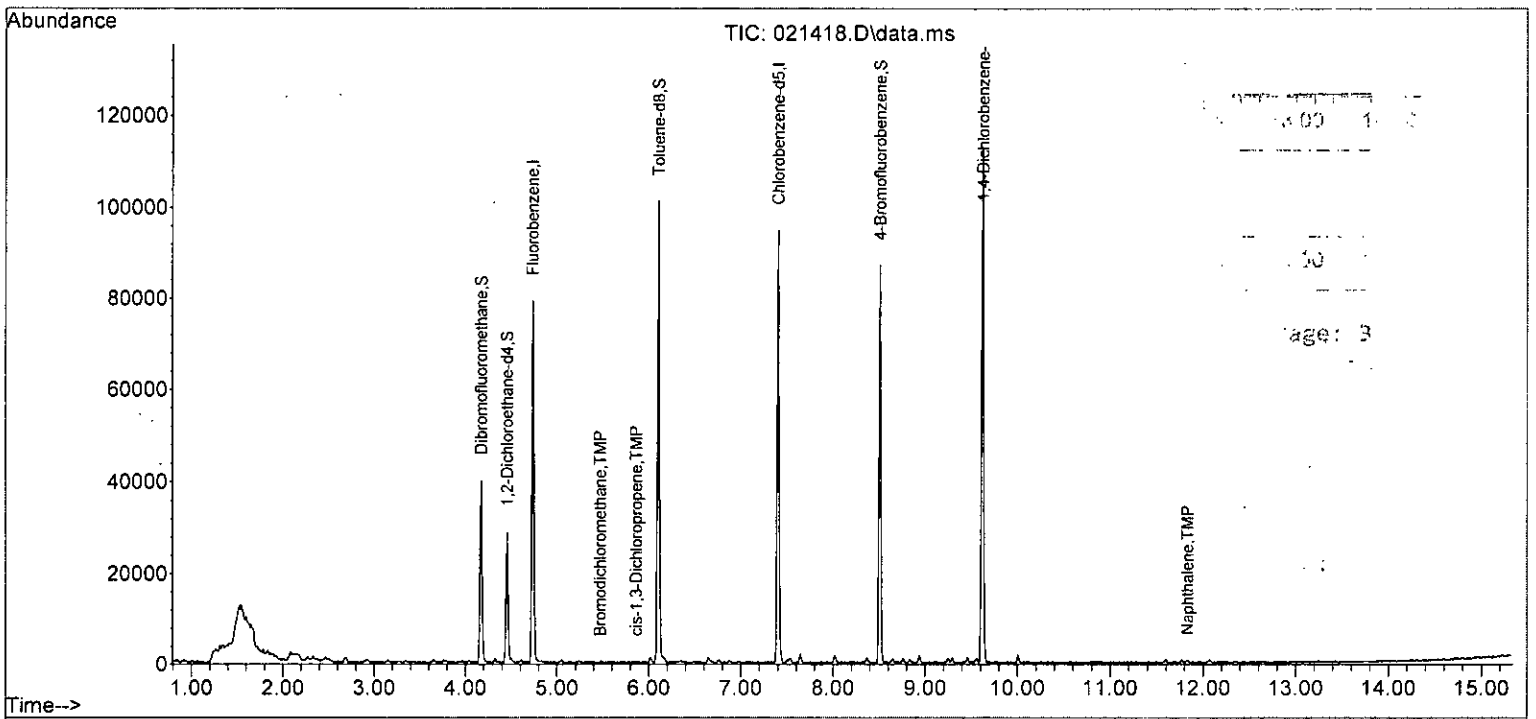
Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

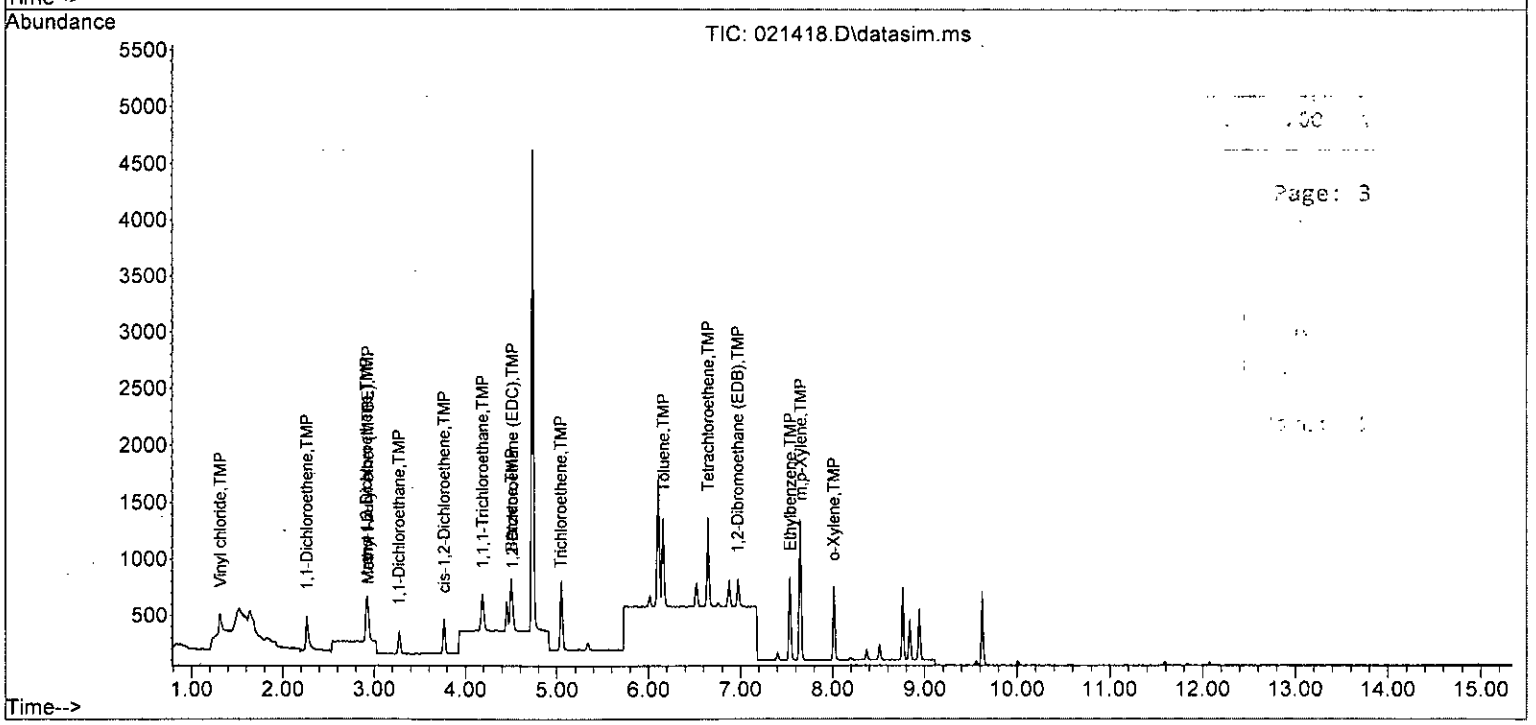
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	5.86	75	203	0.129 ppb	#	33
40] Toluene	6.16	92	464	0.100 ppb		98
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	272	0.101 ppb		97
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	187	0.097 ppb		99
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	804	0.101 ppb		99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D. d		
51] m,p-Xylene	7.65	106	713	0.202 ppb		98
52] o-Xylene	8.01	106	334	0.099 ppb	#	72
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D. d		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	11.83	128	647	0.121 ppb		84
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
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Sample : 0.1 ppb 8260 CCV 68-127H
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.111	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.100	0.105	-5.0	102	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.100	0.099	1.0	98	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.101	-1.0	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.109	-9.0	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.100	0.101	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.100	0.100	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.107	-7.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.099	1.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.965	0.4	100	0.00
31	TMP	Benzene	0.100	0.102	-2.0	100	0.00
32	TMP	Trichloroethene	0.100	0.100	0.0	93	-0.01
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.100	0.137	-37.0#	100	-0.01
35	S	Toluene-d8	10.000	10.323	-3.2	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.100	0.129	-29.0#	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.100	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.097	3.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.200	0.202	-1.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.146	-1.5	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	0.100	0.121	-21.0#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.316	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.546	-2.6	102	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.438	0.5	98	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.557	-0.9	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.309	-8.8	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.331	-1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.303	-0.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.358	-18.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.432	1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.907	-3.5	100	0.00
32	TMP	Trichloroethene	0.338	0.350	-3.6	93	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.234	22.0#	100	-0.01
35	S	Toluene-d8	0.931	0.961	-3.2	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.319	-3.2	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.794	-3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

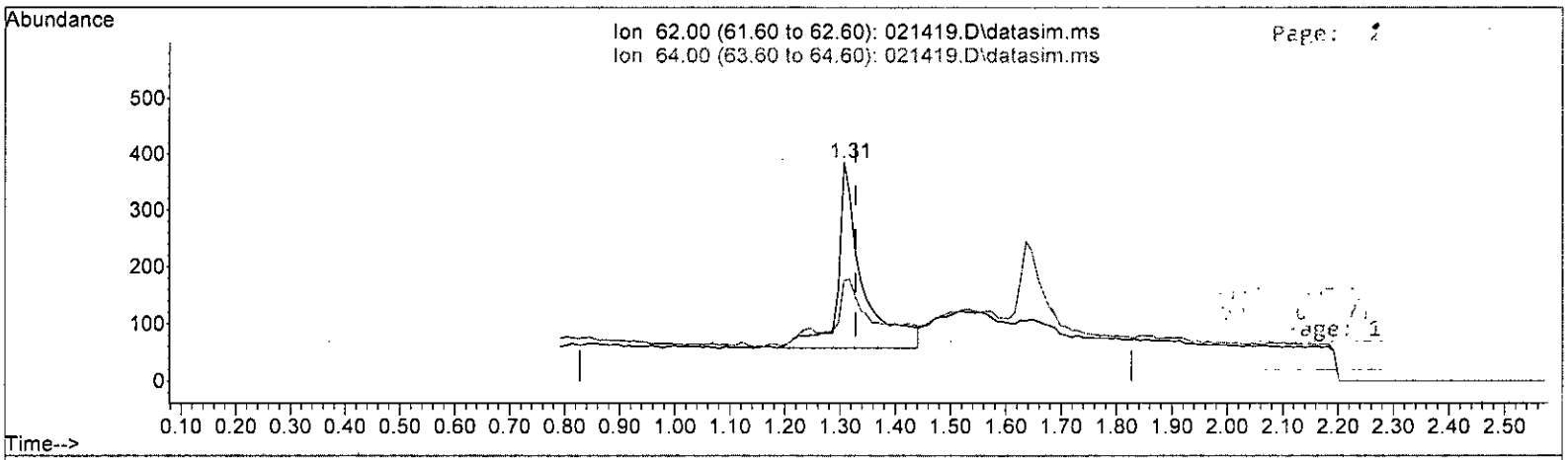
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.466	-3.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.320	3.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.377	-3.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.610	-3.4	100	0.00
52	TMP	o-Xylene	0.566	0.572	-1.1	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.626	-1.5	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	1.939	-1.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

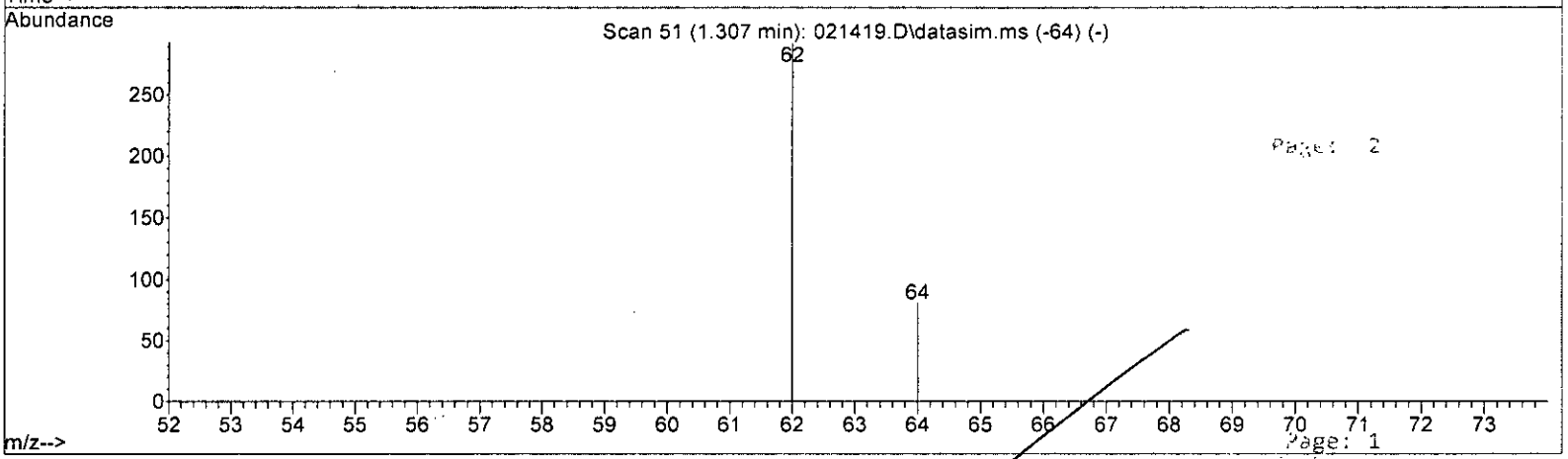
(#) = Out of Range SPCC's out = 49 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.277 ppb

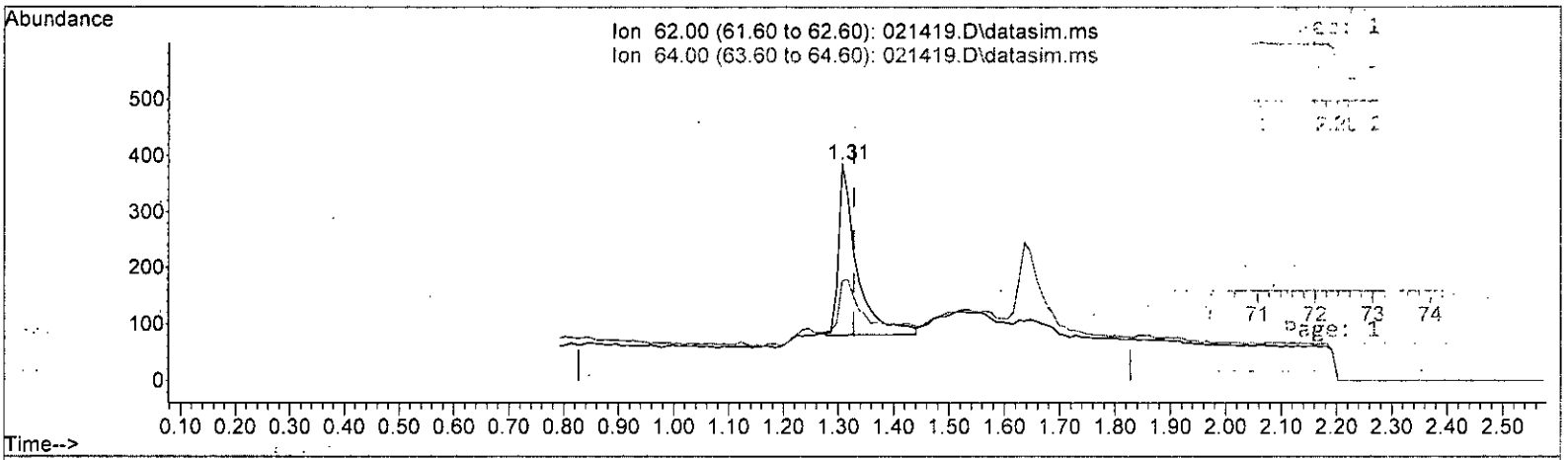
response 1013

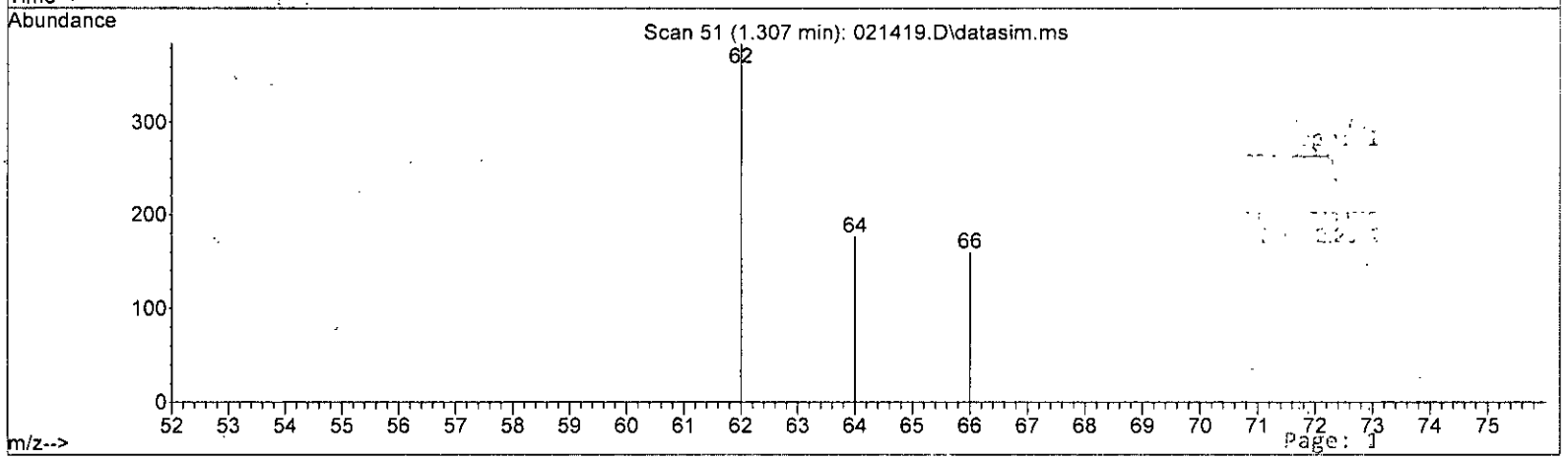
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	34.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.191 ppb m

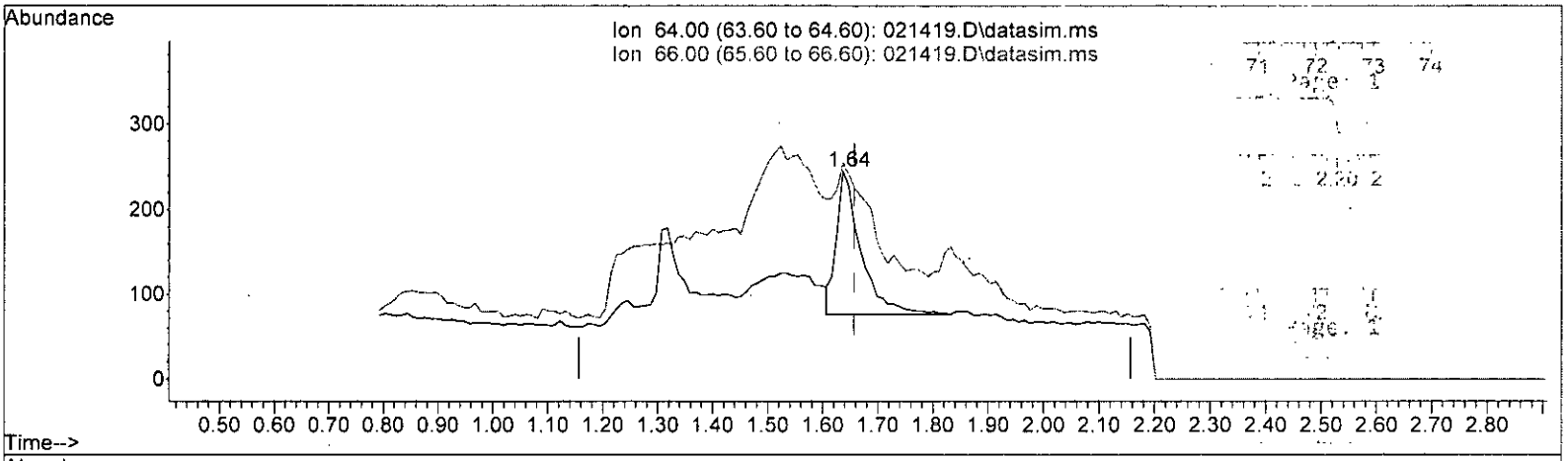
response 693

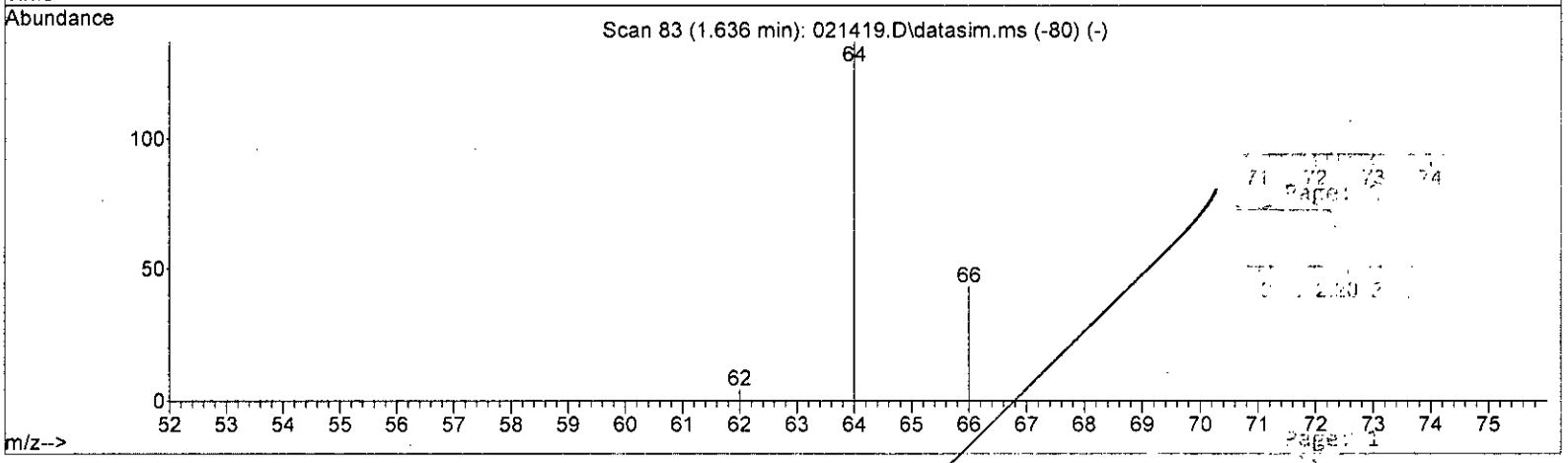
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	45.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.405 ppb

response 522

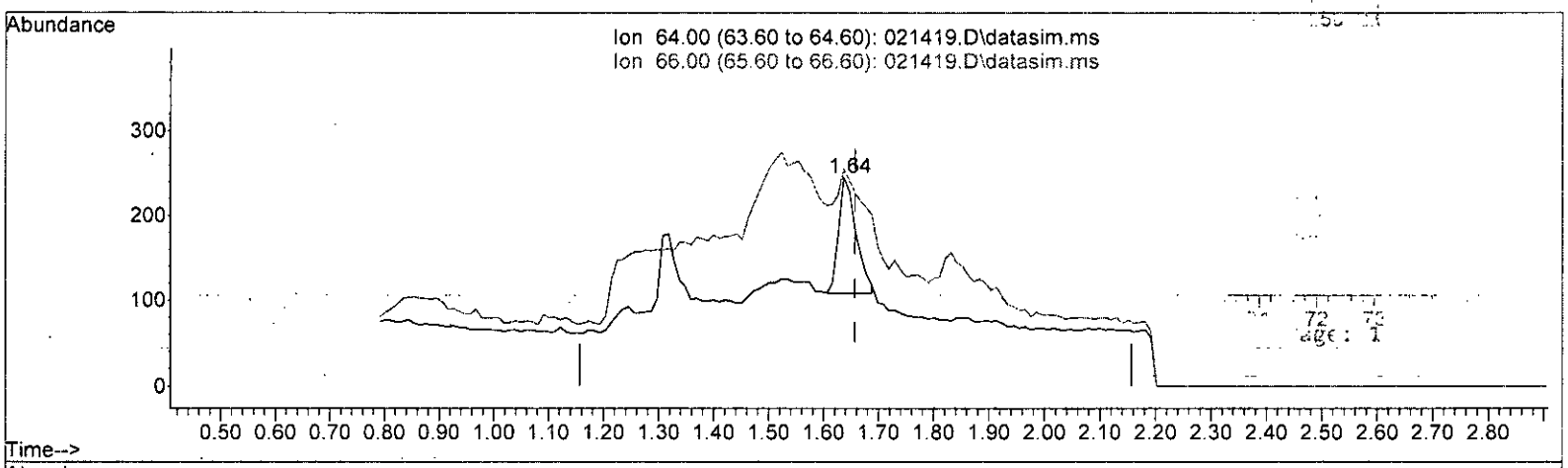
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	58.58
0.00	0.00	0.00
0.00	0.00	0.00

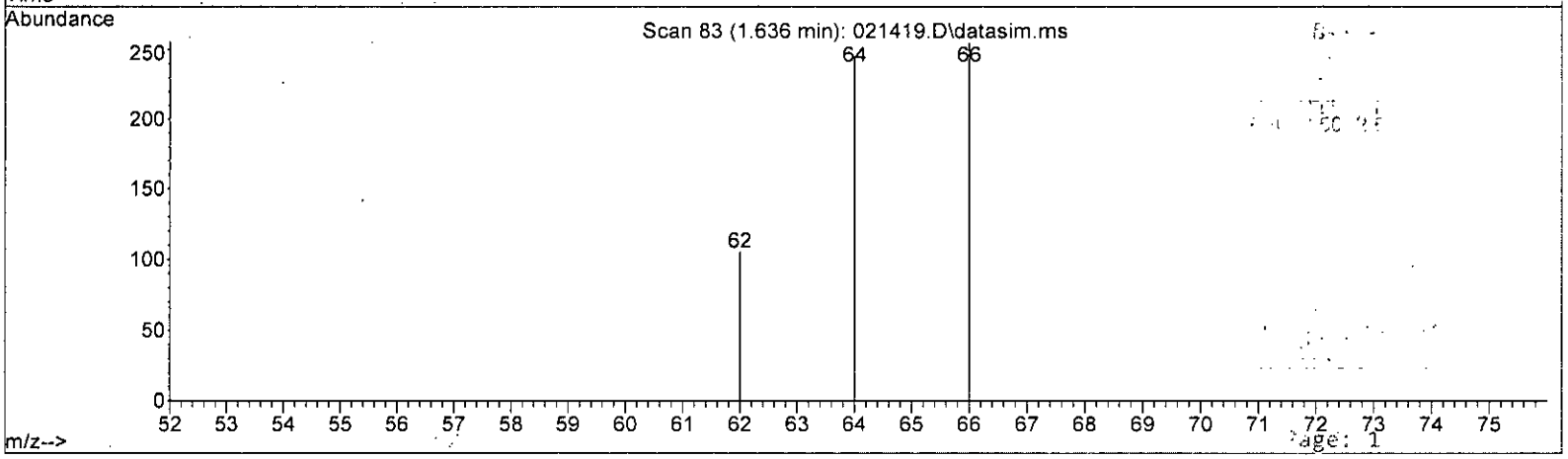
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.287 ppb m

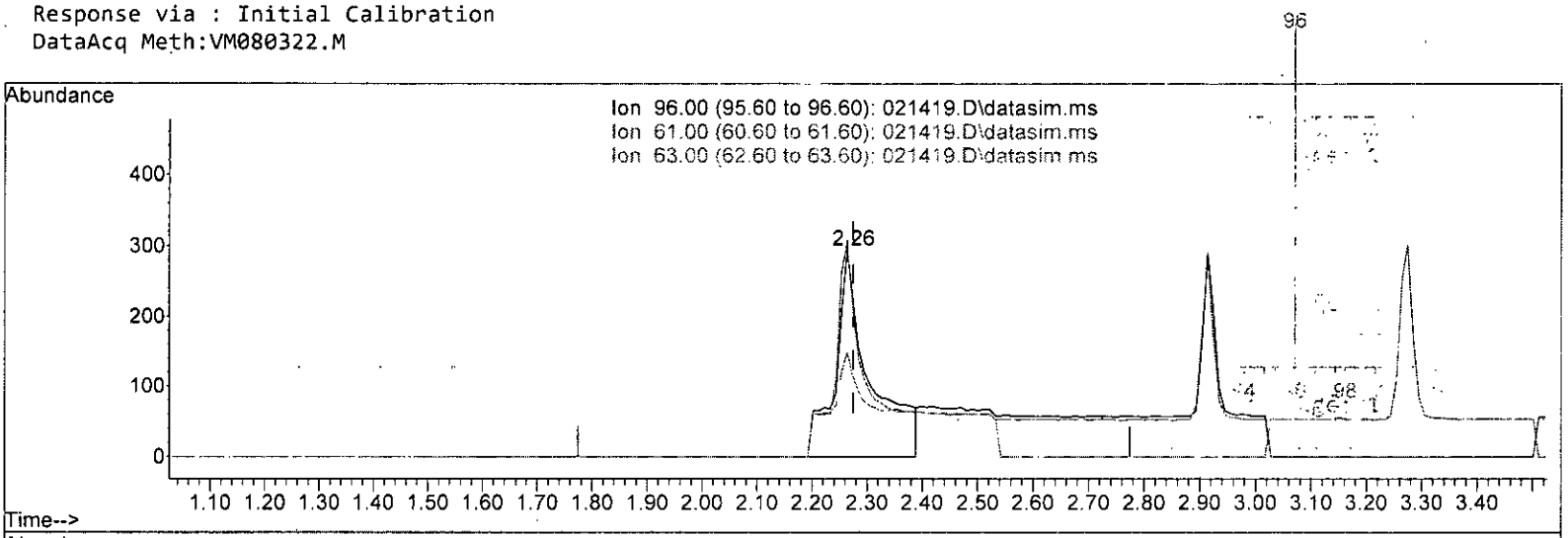
response 303

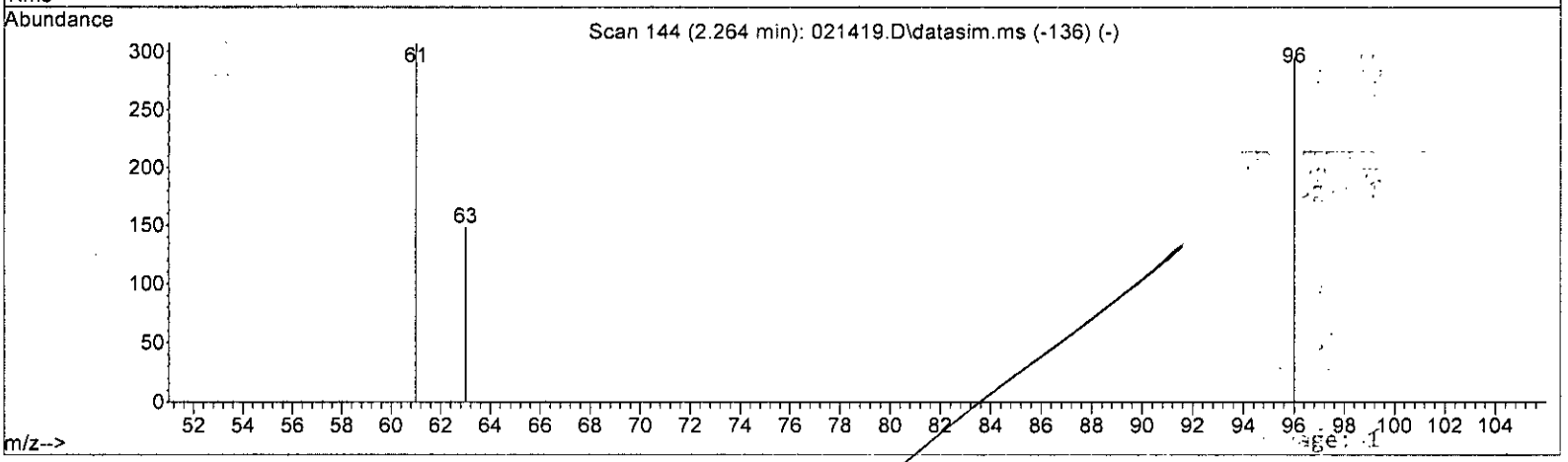
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	104.08#
0.00	0.00	0.00
0.00	0.00	0.00

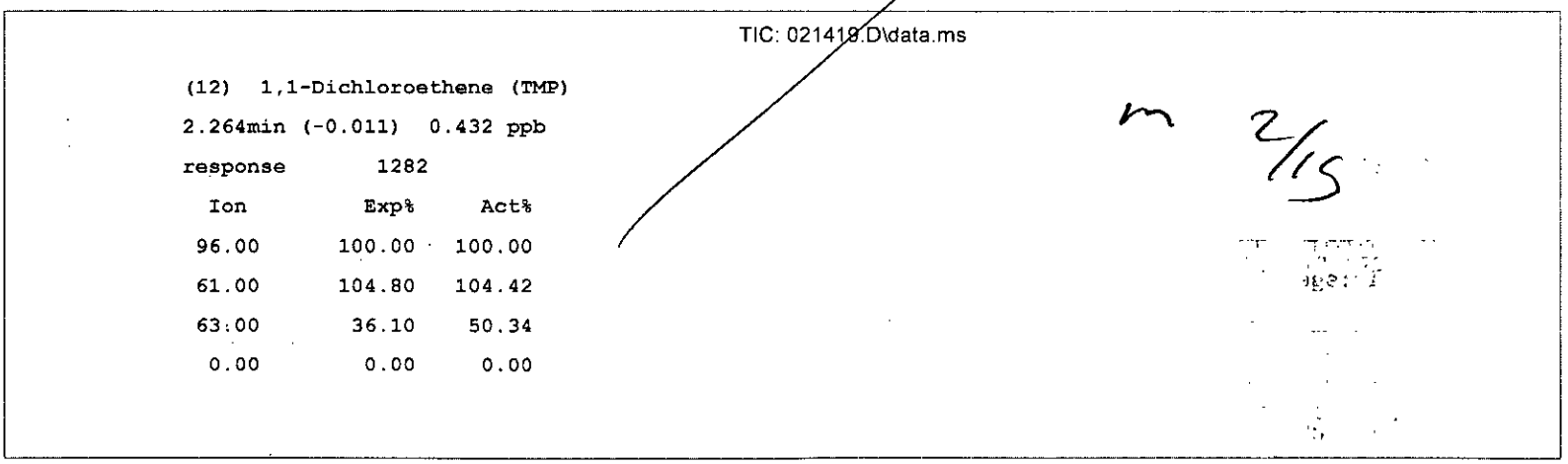
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 0.432 ppb
response 1282

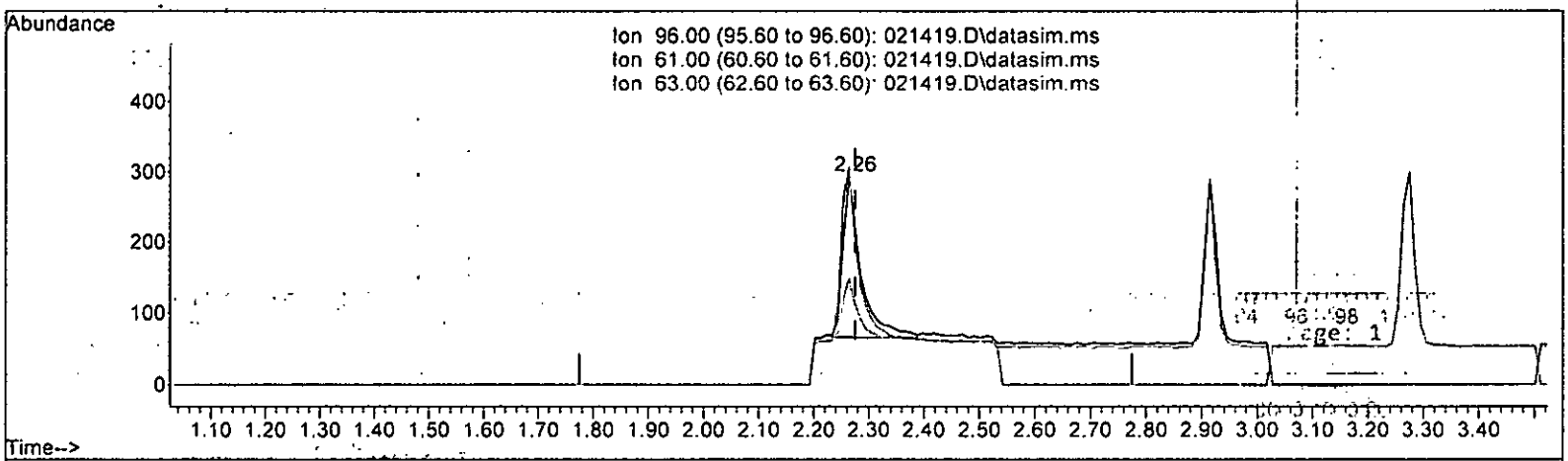
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

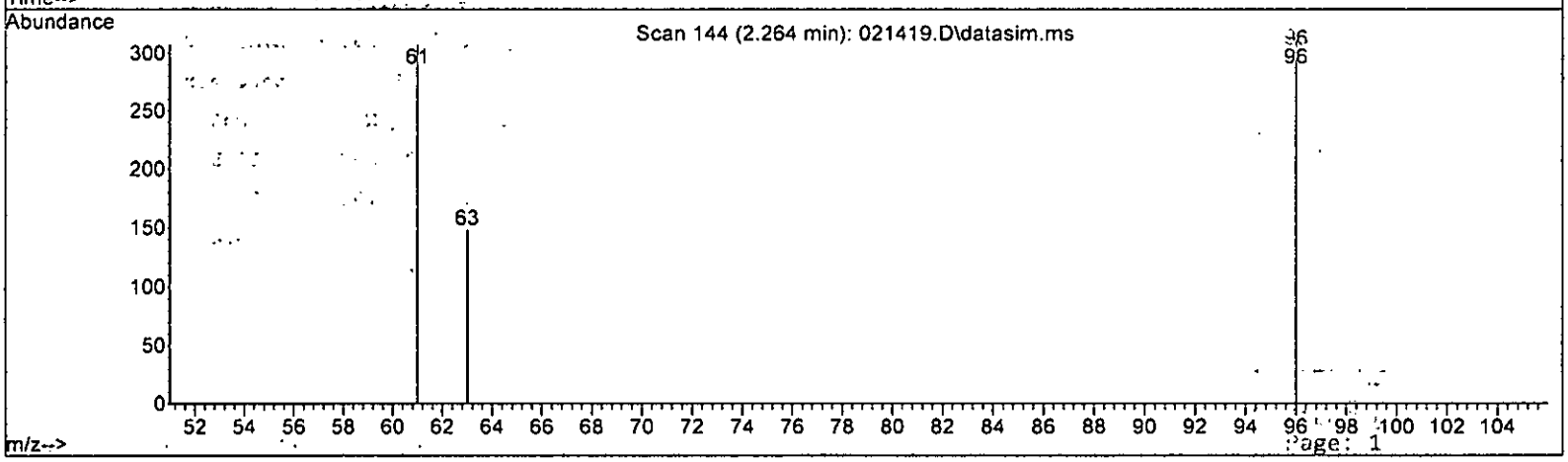
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.171 ppb m

response 509

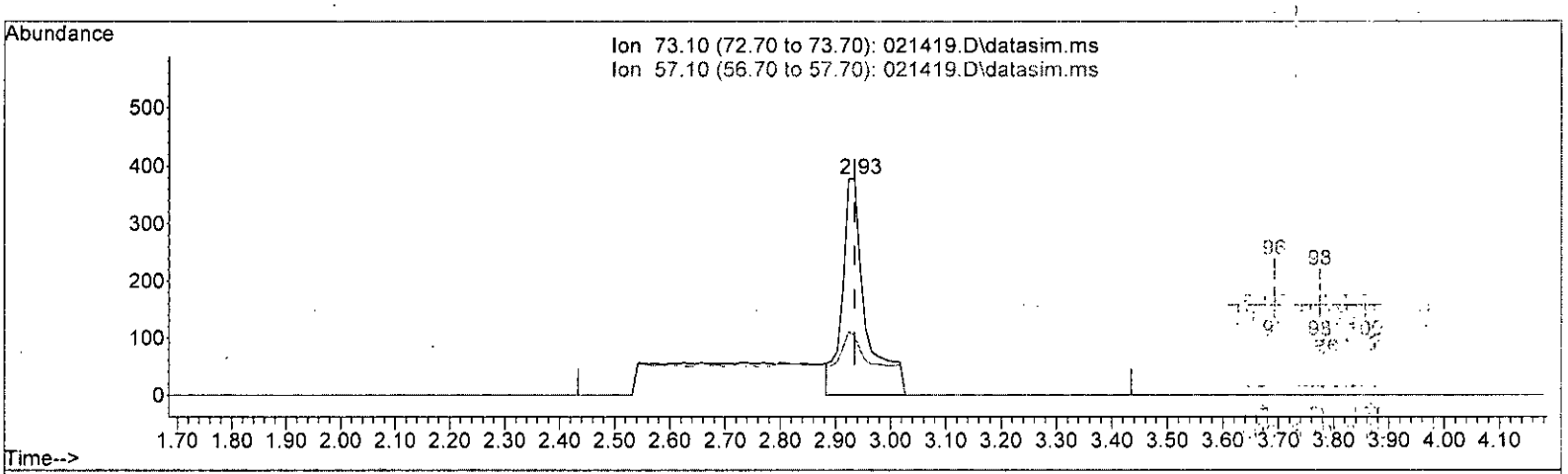
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

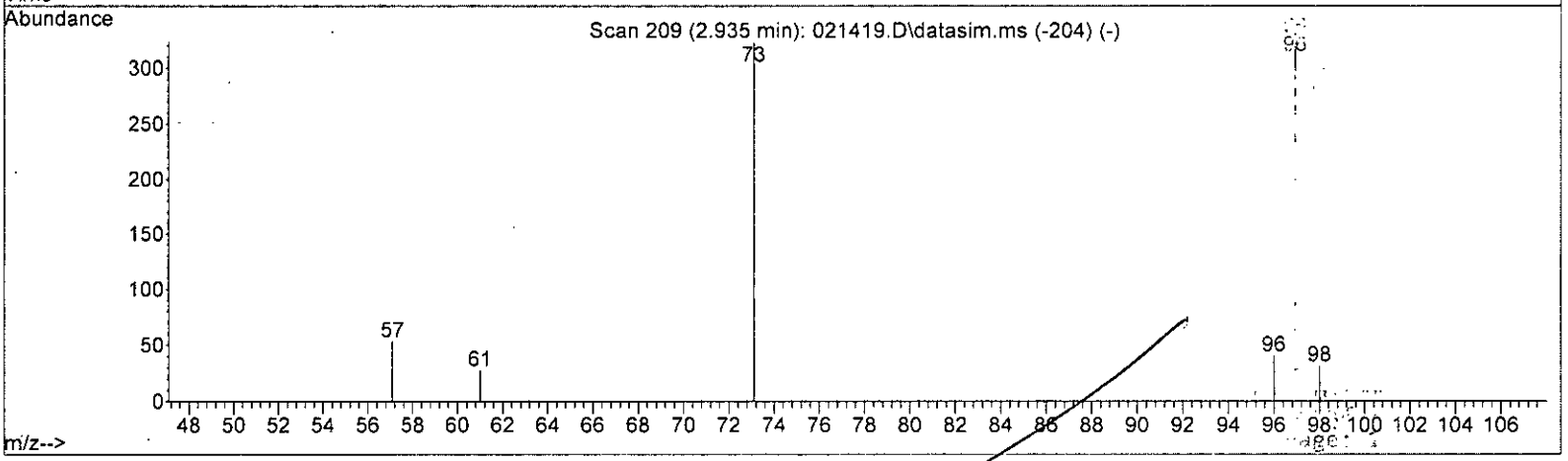
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

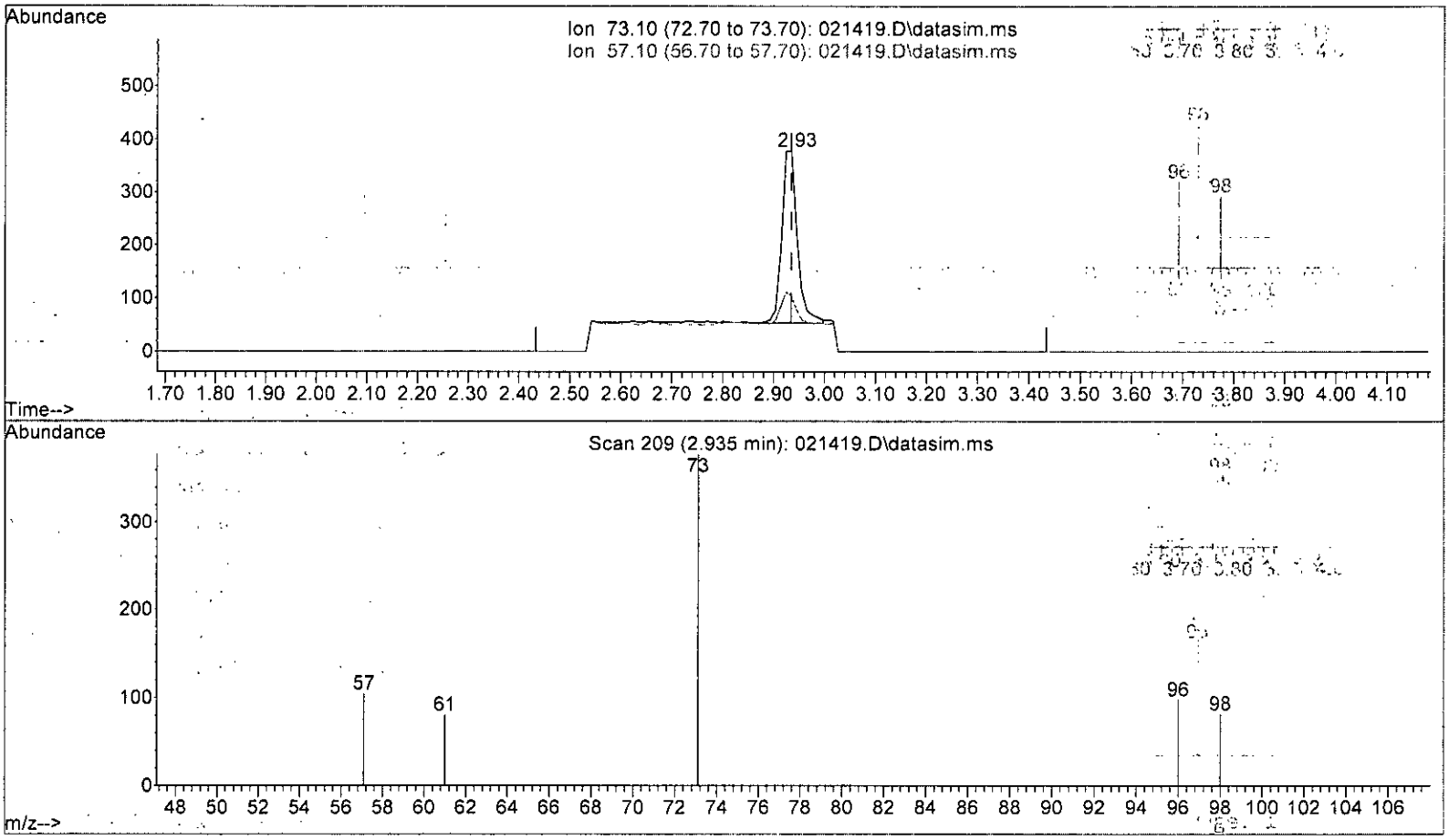
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.299 ppb
response 1114

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.183 ppb m

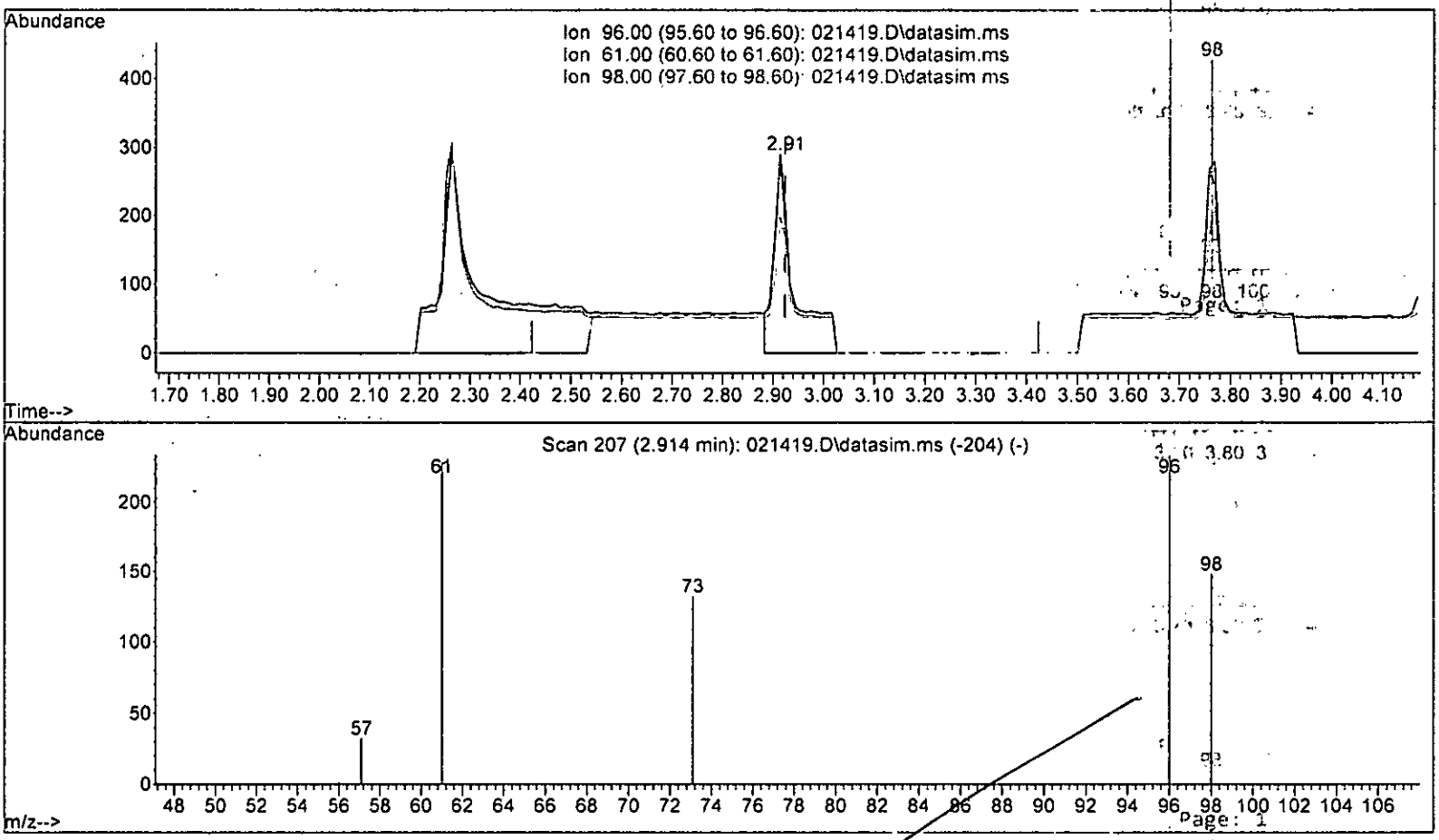
response 682

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

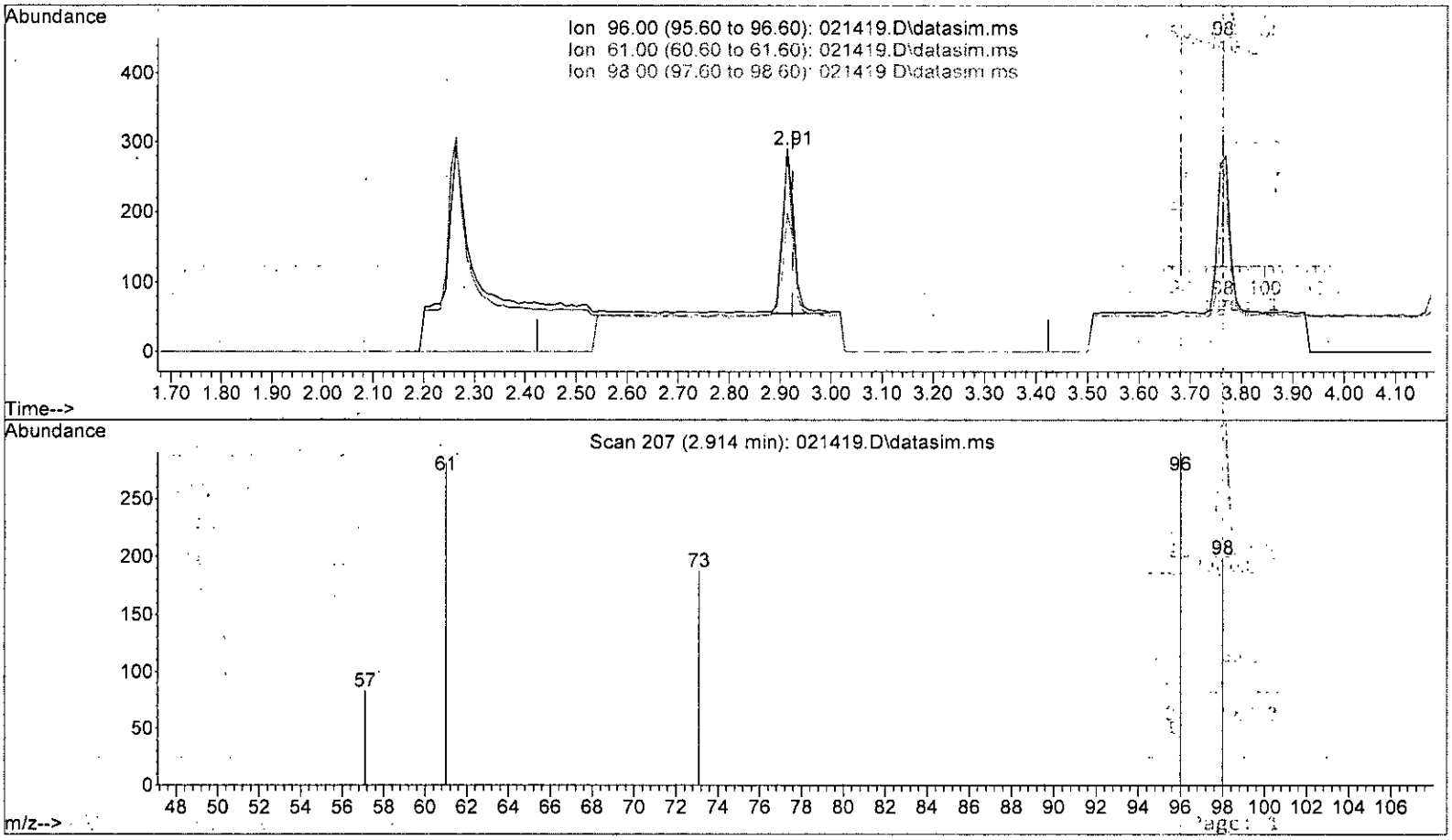
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.420 ppb
response 805

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.185 ppb m
response 355

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.655	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.200	0.191	4.5	103	-0.02
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.200	0.287	-43.5#	100	-0.02
9	TMP	Trichlorofluoromethane	0.200	0.156	22.0#	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	-1.000	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.200	0.171	14.5	96	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.183	8.5	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.185	7.5	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.200	0.182	9.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.188	6.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.235	-17.5	100	-0.01
21	TMP	2,2-Dichloropropane	0.200	0.261	-30.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.184	8.0	100	0.00
23	TMP	Chloroform	0.200	0.207	-3.5	100	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.186	7.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.188	6.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.183	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.206	-3.0	100	-0.01
29	TMP	Carbon tetrachloride	0.200	0.285	-42.5#	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.309	6.9	100	0.00
31	TMP	Benzene	0.200	0.189	5.5	100	0.00
32	TMP	Trichloroethene	0.200	0.182	9.0	100	-0.01
33	TMP	1,2-Dichloropropane	0.200	0.167	16.5	100	0.00
34	TMP	Bromodichloromethane	0.200	0.217	-8.5	100	0.00
35	S	Toluene-d8	10.000	9.365	6.3	100	0.00
36	TMP	Dibromomethane	0.200	0.174	13.0	100	0.00
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.200	0.172	14.0	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.196	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.190	5.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.200	0.0	100	-0.01
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.199	0.5	100	0.00
45	TMP	Tetrachloroethene	0.200	0.201	-0.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.188	6.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.188	6.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.197	1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.196	2.0	100	0.00
51	TMP	m,p-Xylene	0.400	0.396	1.0	100	0.00
52	TMP	o-Xylene	0.200	0.201	-0.5	100	0.00
53	TMP	Styrene	0.200	0.199	0.5	100	0.00
54	TMP	Isopropylbenzene	0.200	0.213	-6.5	100	0.00
55	TMP	Bromoform	0.200	0.182	9.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.120	-1.2	100	0.00
58	TMP	n-Propylbenzene	0.200	0.207	-3.5	100	0.00
59	TMP	Bromobenzene	0.200	0.224	-12.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.200	0.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.208	-4.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.168	16.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.165	17.5	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.233	-16.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.189	5.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.192	4.0	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.195	2.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.201	-0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.200	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.178	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.211	-5.5	100	0.00
75	TMP	Naphthalene	0.200	0.205	-2.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.195	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.301	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.514	3.4	103	-0.02
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.225	8.9	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.029	22.0#	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.440	0.377	14.3	96	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.506	8.3	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.263	7.4	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.438#	8.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.307	6.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.178	31.0#	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.223	5.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.278	7.9	100	0.00
23	TMP	Chloroform	0.430	0.446	-3.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.481#	6.8	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.293	2.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.399	8.7	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.303	-3.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.380	17.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	0.876	0.819	6.5	100	0.00
32	TMP	Trichloroethene	0.338	0.304	10.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.145	16.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.251	16.3	100	0.00
35	S	Toluene-d8	0.931	0.872	6.3	100	0.00
36	TMP	Dibromomethane	0.171	0.149	12.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.224	27.5#	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.734	3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.449	0.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.410	6.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.330	0.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.907	6.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.298	2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.382	2.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.849	0.7	100	0.00
54	TMP	Isopropylbenzene	1.393	1.481	-6.3	100	0.00
55	TMP	Bromoform	0.295	0.268	9.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.458	-3.7	100	0.00
59	TMP	Bromobenzene	0.857	0.958	-11.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.948	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.423#	10.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.307#	15.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.494	-6.8	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.870	-16.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.234	-8.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.878	5.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.432	3.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.428	2.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.630	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.566	-6.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.456	-0.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.859	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.634	-5.7	100	0.00
75	TMP	Naphthalene	1.920	1.714	10.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.695	19.2	100	0.00

(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	67422	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	56491	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32724	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20326	9.655	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%				
30) 1,2-Dichloroethane-d4	4.45	102	3891	9.309	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 93.10%				
35) Toluene-d8	6.11	98	58793	9.365	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.70%				
57) 4-Bromofluorobenzene	8.51	95	20418	10.120	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.20%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.31	62	693m	0.191	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.64	64	303m	0.287	ppb		
9) Trichlorofluoromethane	1.84	101	1388	0.156	ppb		99
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.35	58	37	Below Cal	#		1
12] 1,1-Dichloroethene	2.26	96	509m	0.171	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	682m	0.183	ppb		
17] trans-1,2-Dichloroethene	2.91	96	355m	0.185	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	590	0.182	ppb		82
19] 1,1-Dichloroethane	3.27	63	414	0.188	ppb		89
20) Ethyl t-butyl ether (E...	3.65	87	240	0.235	ppb		96
21) 2,2-Dichloropropane	3.76	77	301	0.261	ppb		45
22] cis-1,2-Dichloroethene	3.77	96	375	0.184	ppb		88
23) Chloroform	4.04	83	601	0.207	ppb		88
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	4.60	73	649	0.186	ppb		86
26] 1,2-Dichloroethane (EDC)	4.52	62	395	0.188	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	538	0.183	ppb		95
28) 1,1-Dichloropropene	4.32	75	408	0.206	ppb		79
29) Carbon tetrachloride	4.32	117	513	0.285	ppb		75
31] Benzene	4.50	78	1105	0.189	ppb		98
32] Trichloroethene	5.04	95	410	0.182	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	195	0.167	ppb	#	80
34) Bromodichloromethane	5.48	83	339	0.217	ppb		87
36) Dibromomethane	5.34	93	201	0.174	ppb	#	56

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

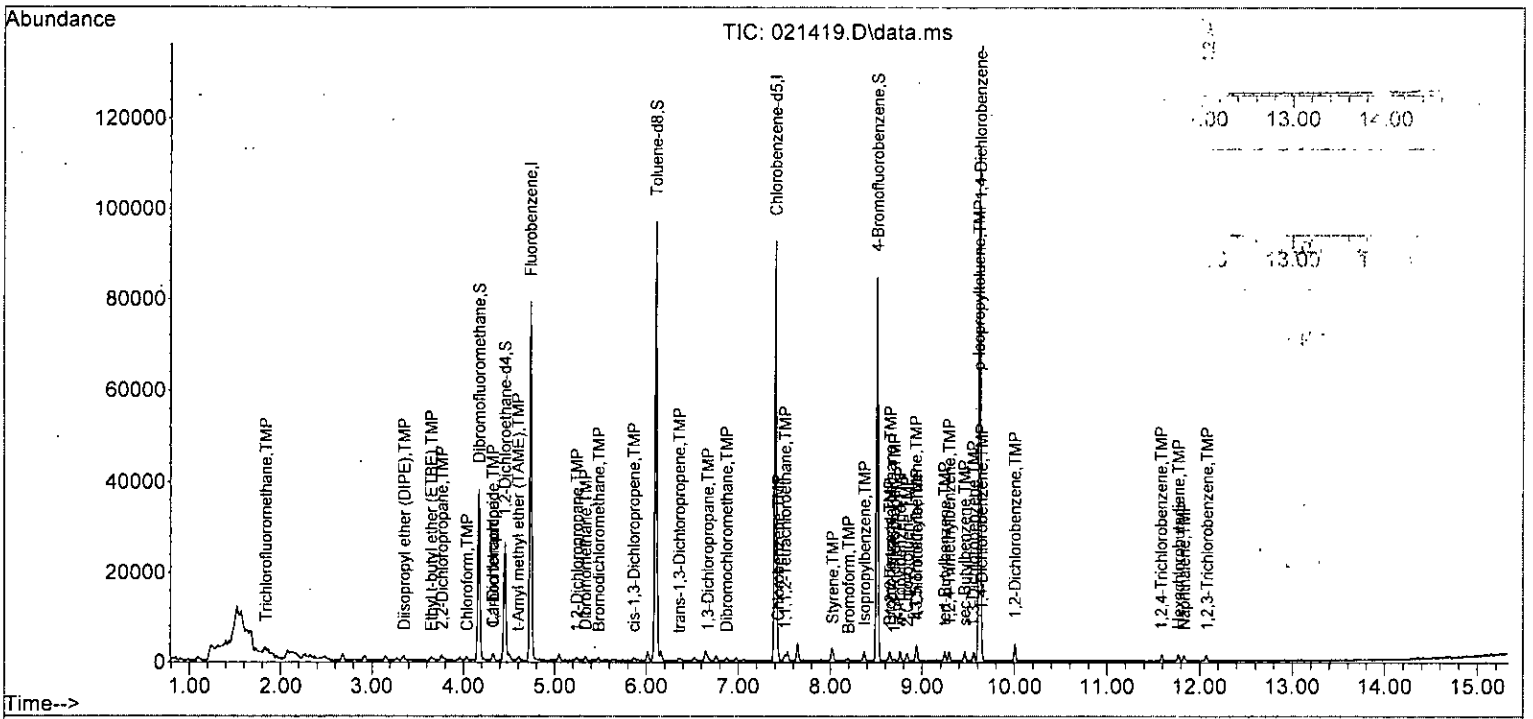
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d		
38) cis-1,3-Dichloropropene	5.86	75	302	0.172	ppb		90
40] Toluene	6.16	92	829	0.196	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	340	0.190	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	229	0.200	ppb	#	71
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.67	76	382	0.199	ppb		91
45] Tetrachloroethene	6.65	164	507	0.201	ppb		97
46) Dibromochloromethane	6.87	129	463	0.188	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	373	0.200	ppb		100
48) Chlorobenzene	7.43	112	1025	0.188	ppb		97
49] Ethylbenzene	7.54	91	1466	0.197	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	432	0.196	ppb		77
51] m,p-Xylene	7.65	106	1305	0.396	ppb		97
52] o-Xylene	8.02	106	638	0.201	ppb		100
53) Styrene	8.03	104	959	0.199	ppb		91
54) Isopropylbenzene	8.37	105	1673	0.213	ppb		97
55) Bromoform	8.20	173	303	0.182	ppb		81
58) n-Propylbenzene	8.76	91	1609	0.207	ppb		98
59) Bromobenzene	8.65	156	627	0.224	ppb		88
60) 1,3,5-Trimethylbenzene	8.93	105	1275	0.200	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.65	83	277	0.208	ppb	#	59
62) 1,2,3-Trichloropropane	8.70	75	201	0.168	ppb	#	62
63) 2-Chlorotoluene	8.84	91	978	0.165	ppb		94
64) 4-Chlorotoluene	8.94	91	1224	0.233	ppb		79
65) tert-Butylbenzene	9.24	119	1462	0.218	ppb		82
66) 1,2,4-Trimethylbenzene	9.29	105	1229	0.189	ppb		93
67) sec-Butylbenzene	9.46	105	1592	0.192	ppb		95
68) p-Isopropyltoluene	9.61	119	1589	0.195	ppb		94
69) 1,3-Dichlorobenzene	9.55	146	1067	0.212	ppb		93
70) 1,4-Dichlorobenzene	9.64	146	1025	0.212	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	953	0.201	ppb		88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.59	180	562	0.178	ppb		78
74) Hexachlorobutadiene	11.77	225	415	0.211	ppb		88
75) Naphthalene	11.83	128	1122	0.205	ppb		91
76) 1,2,3-Trichlorobenzene	12.08	180	455	0.195	ppb		89

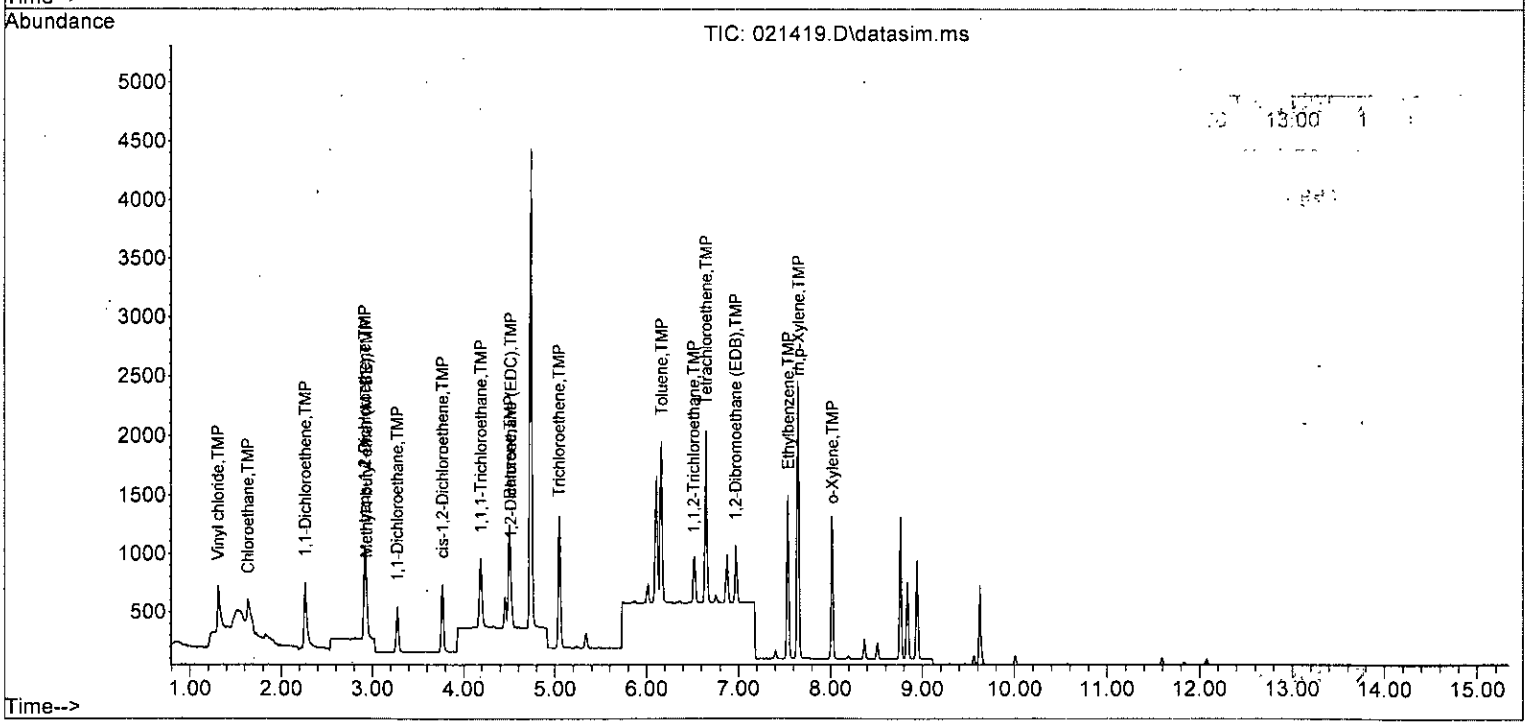
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

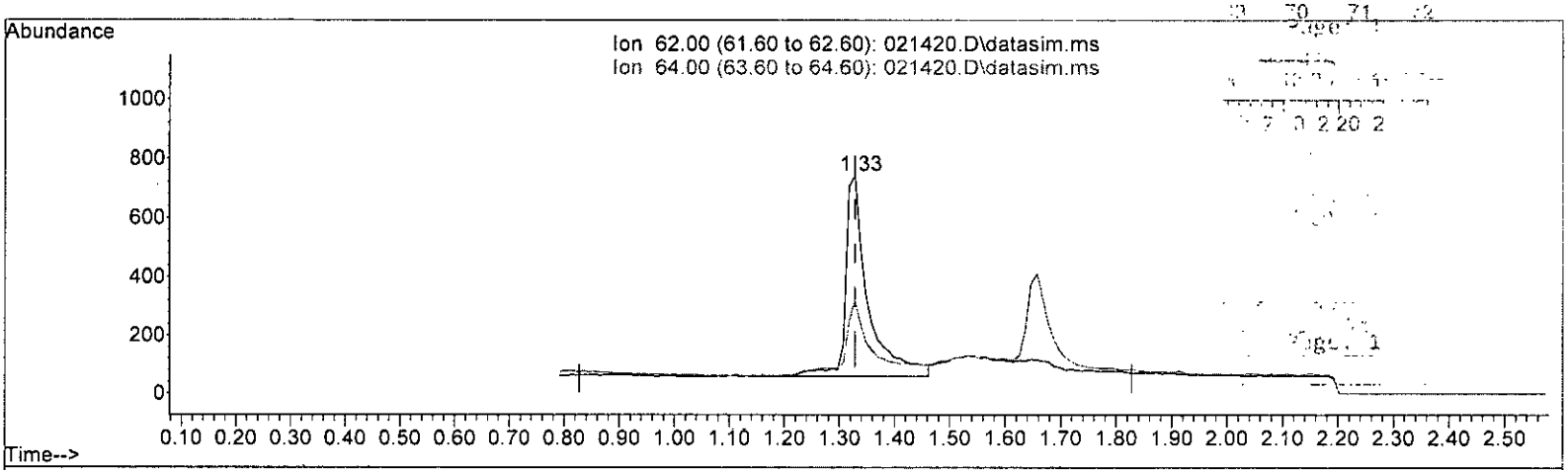


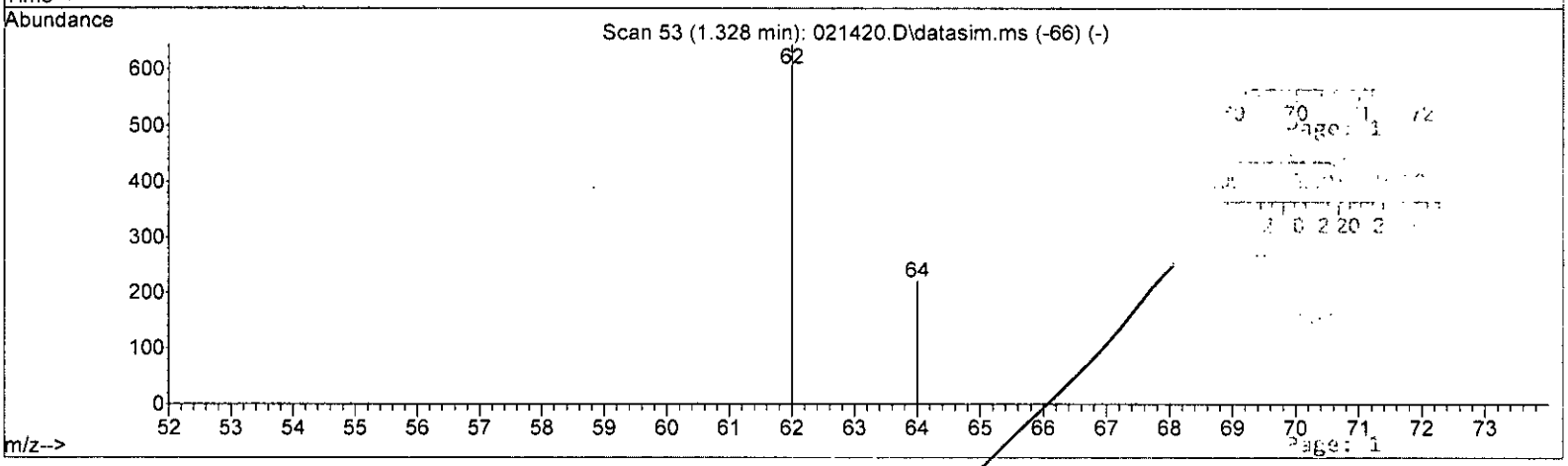


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.556 ppb
response 1954

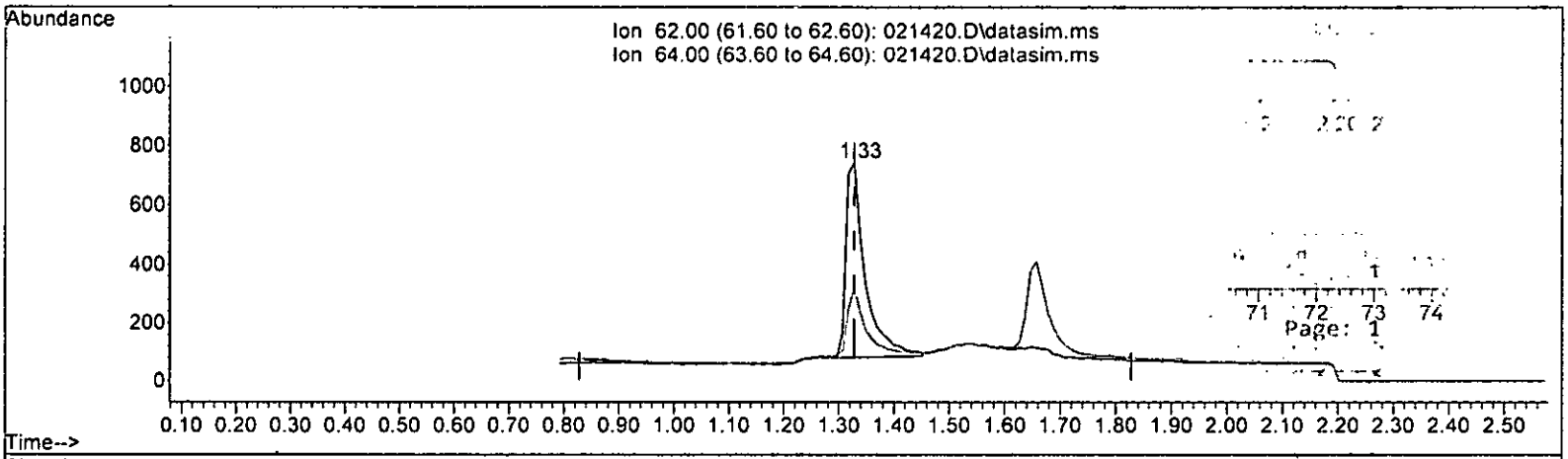
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	37.48
0.00	0.00	0.00
0.00	0.00	0.00

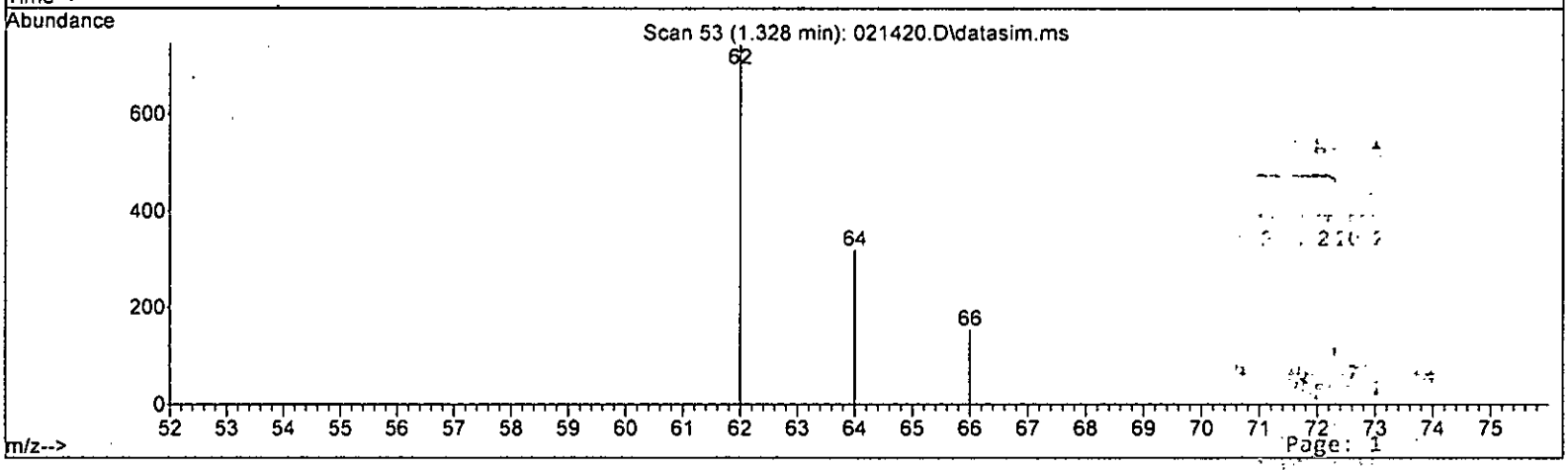
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.458 ppb m
response 1604

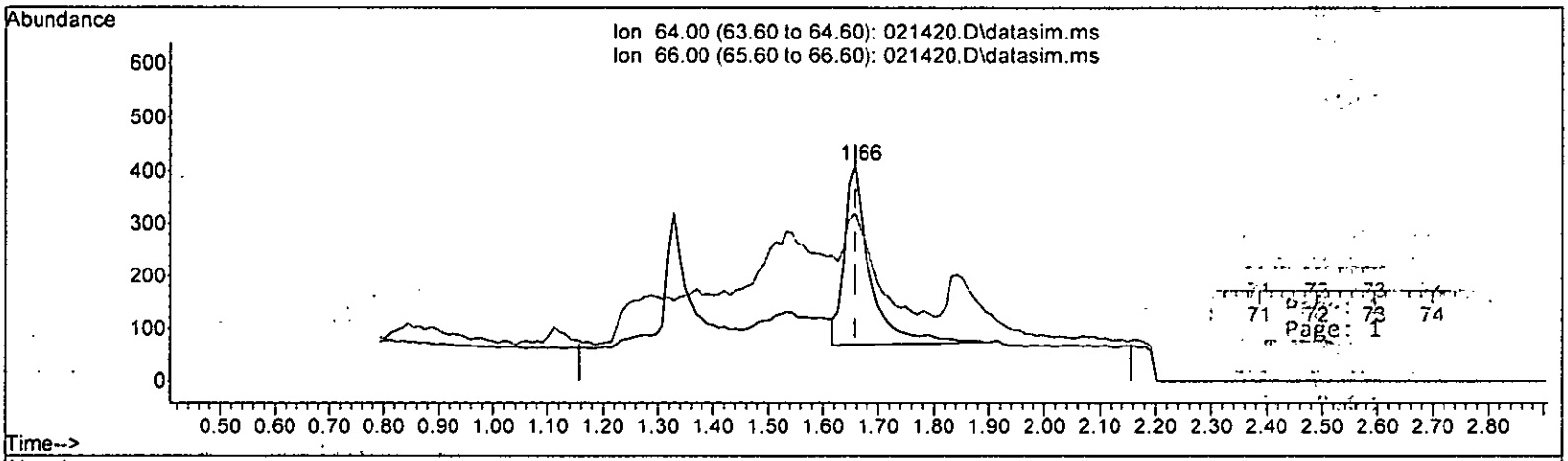
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	43.05
0.00	0.00	0.00
0.00	0.00	0.00

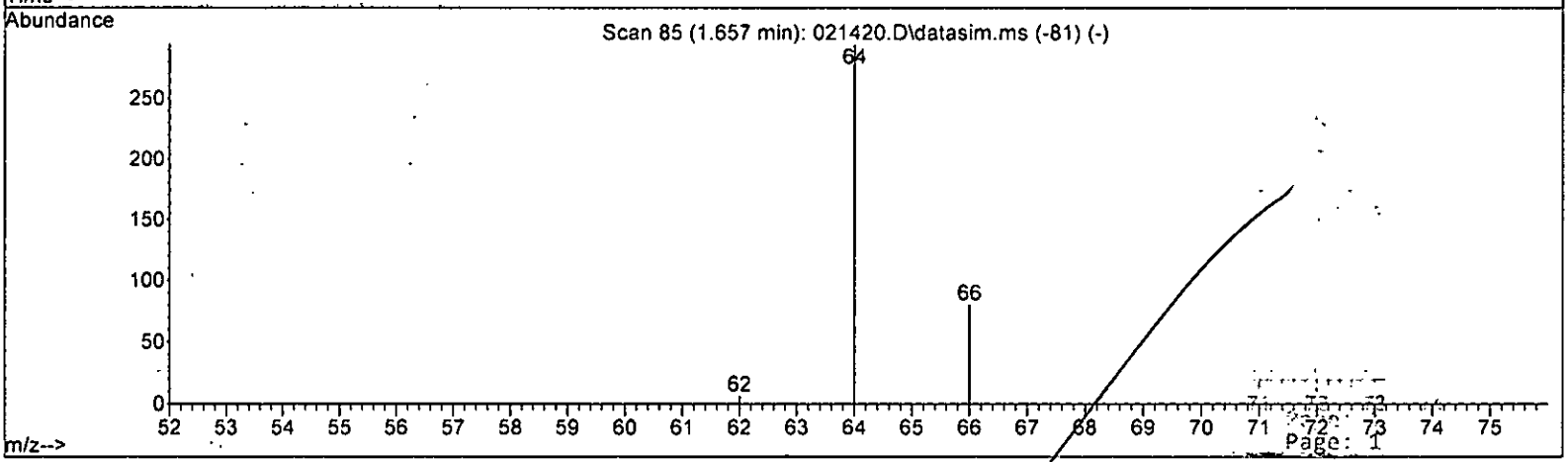
m 2/15

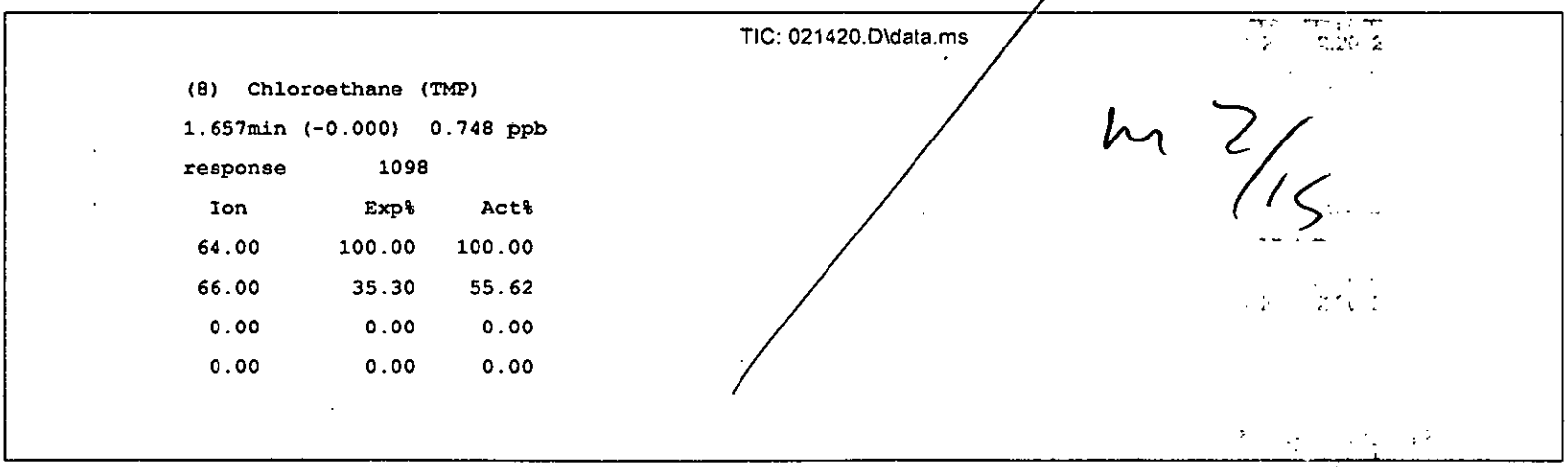
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(8) Chloroethane (TMP)
1.657min (-0.000) 0.748 ppb
response 1098

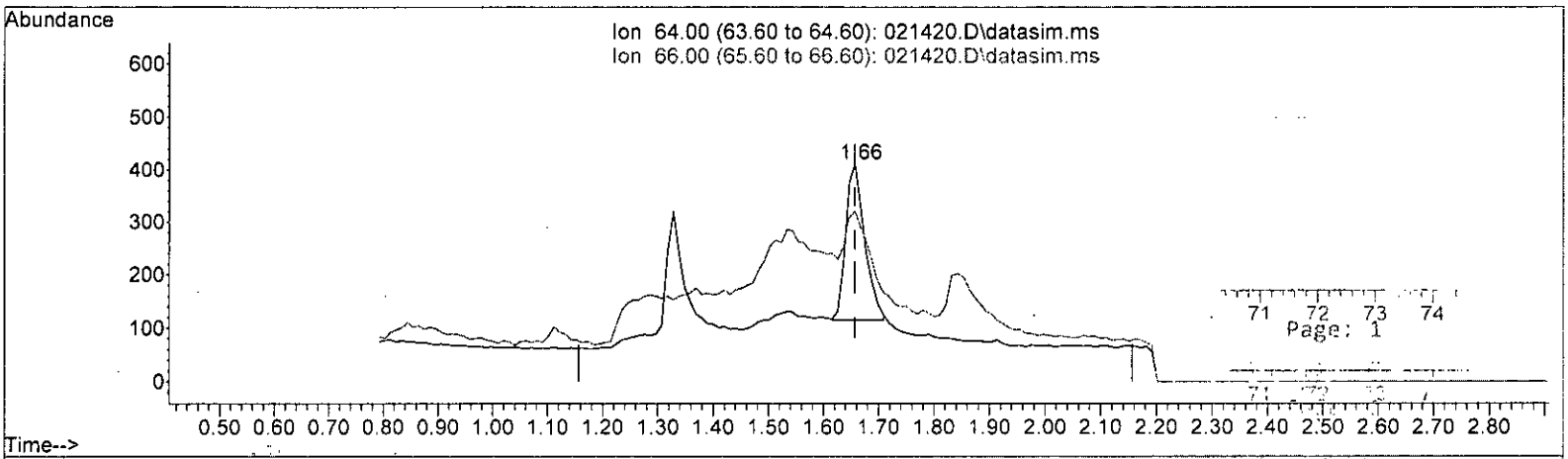
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.62
0.00	0.00	0.00
0.00	0.00	0.00

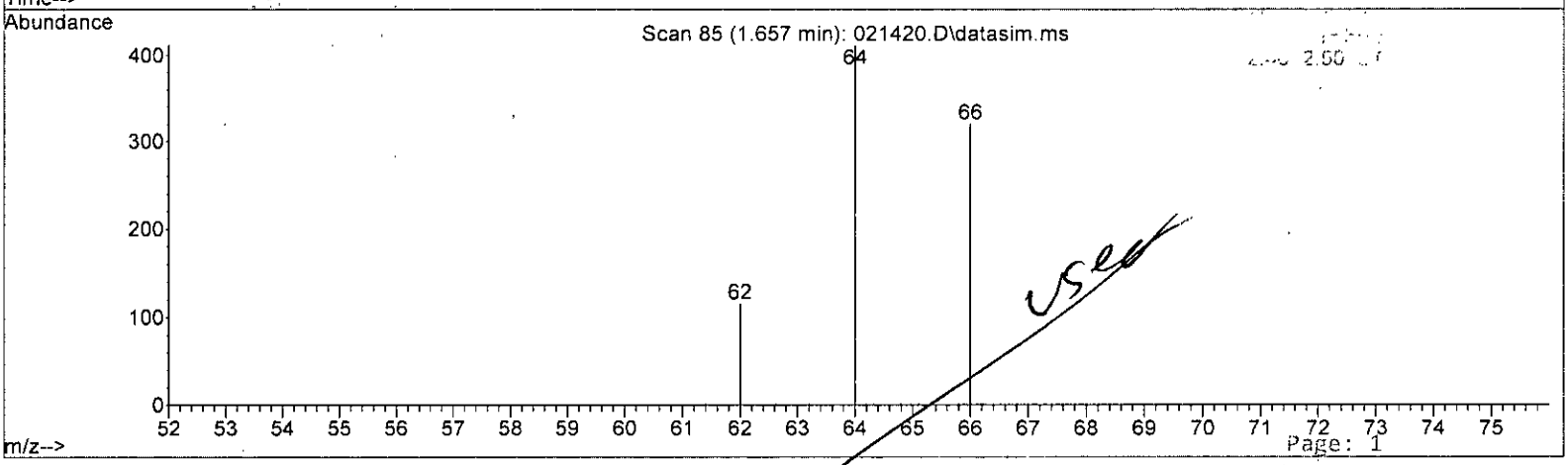
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(8) Chloroethane (TMP)
1.657min (-0.000) 0.519 ppb m
response 695

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	77.86#
0.00	0.00	0.00
0.00	0.00	0.00

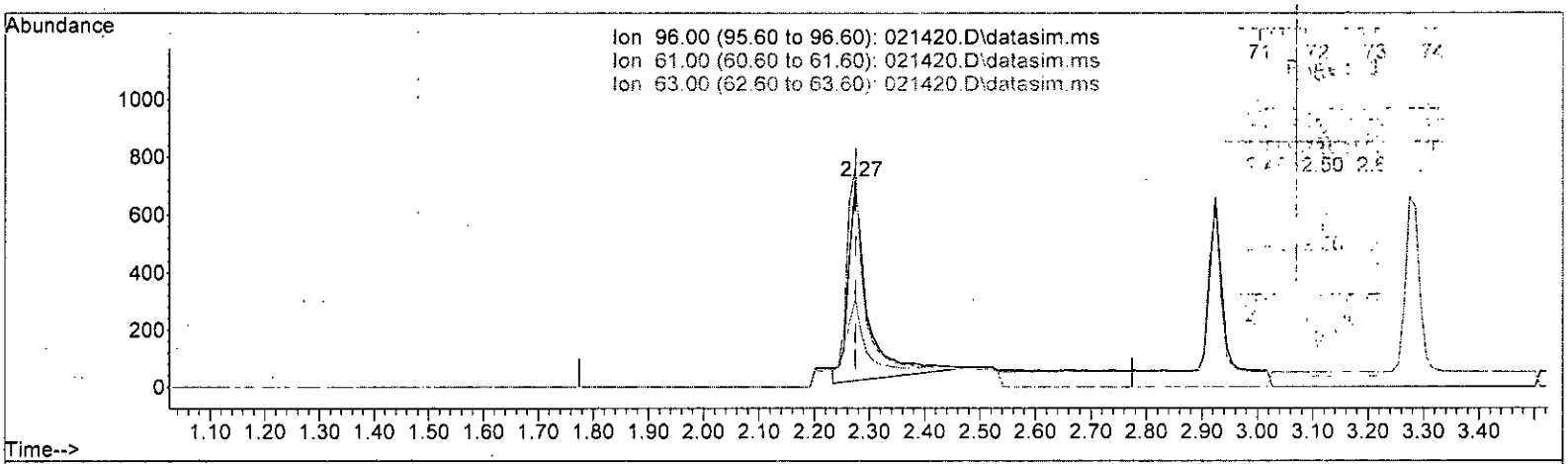
used

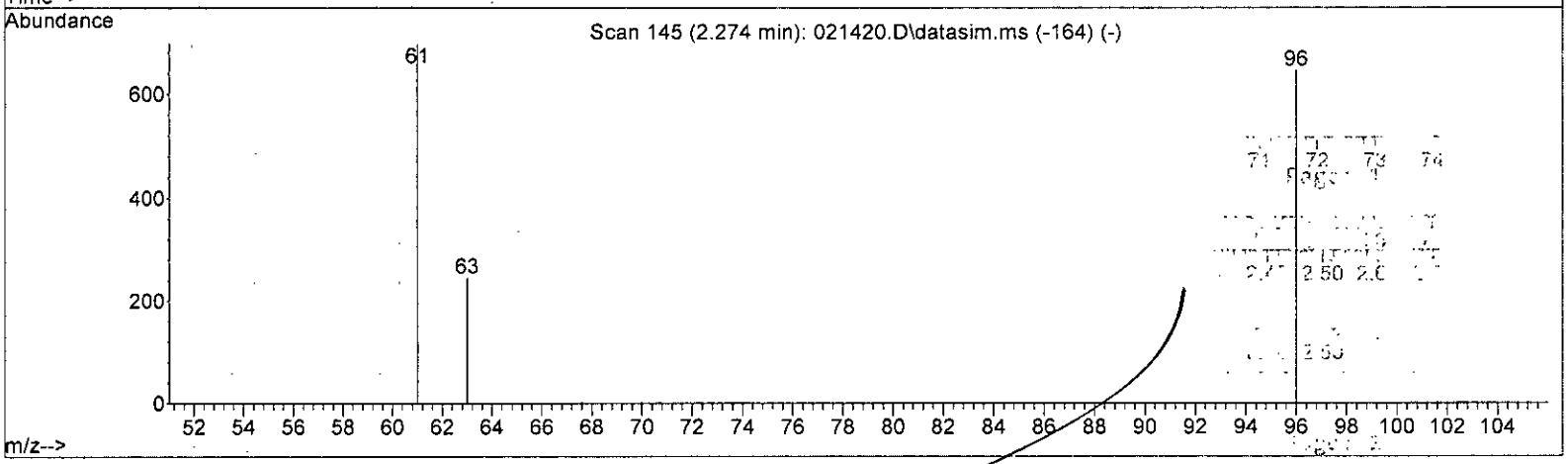
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.600 ppb
response 1690

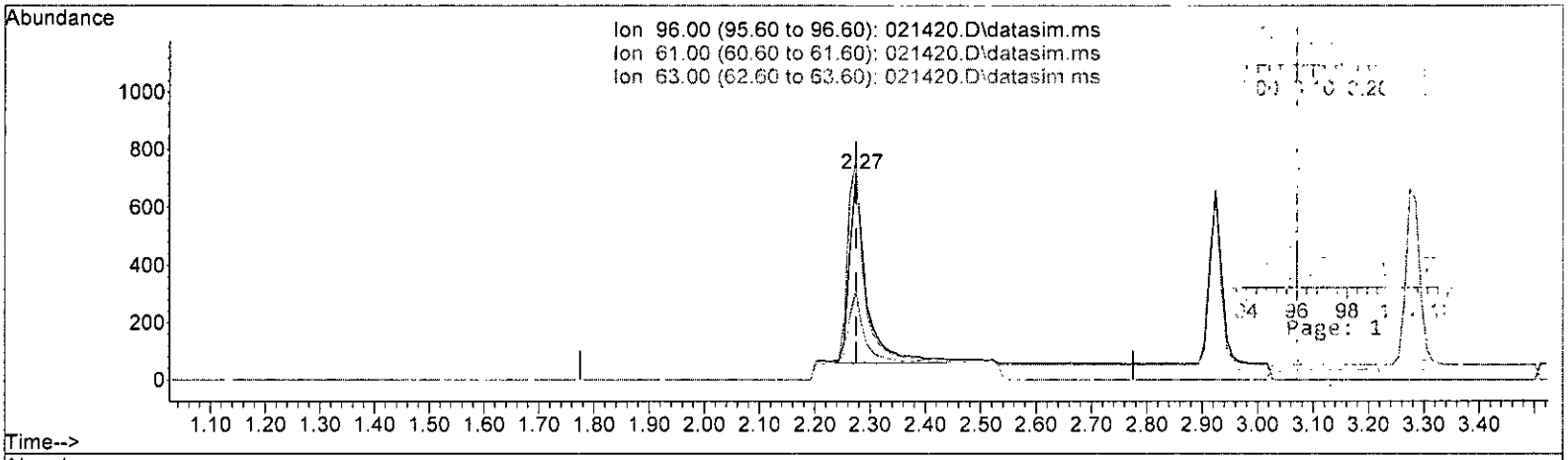
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	108.01
63.00	36.10	37.75
0.00	0.00	0.00

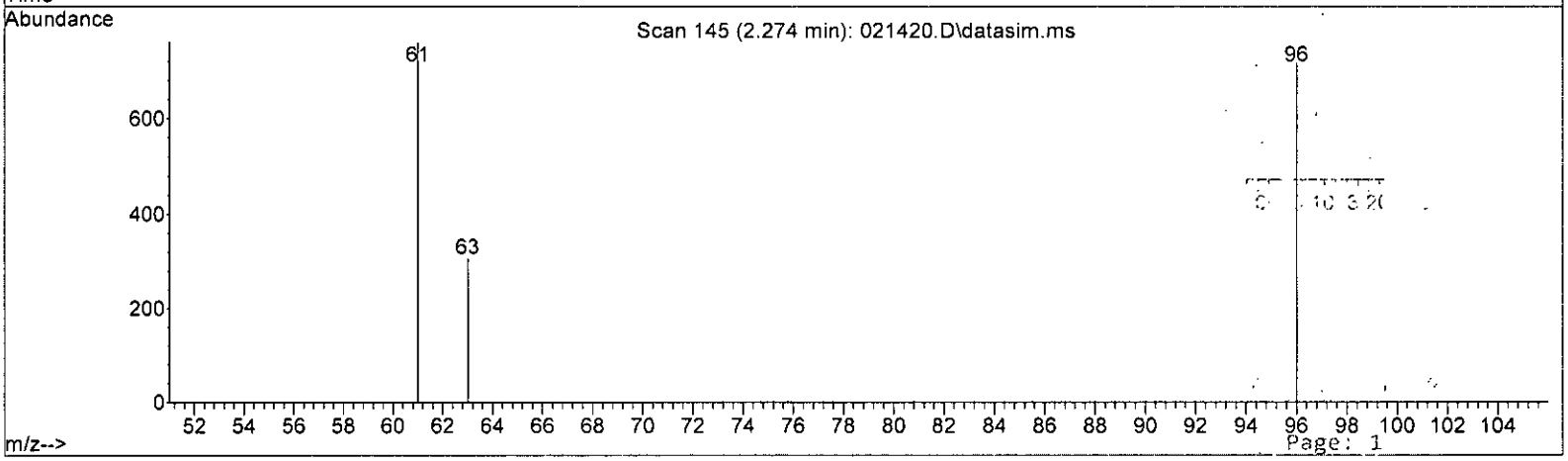
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.494 ppb m
response 1392

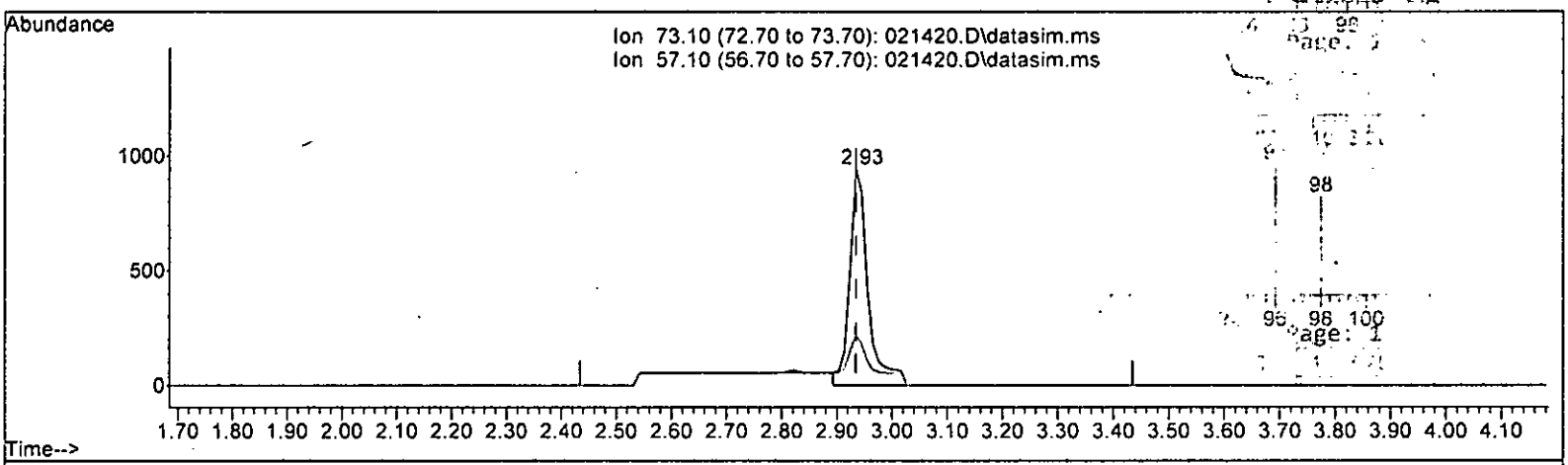
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	106.29
63.00	36.10	42.80
0.00	0.00	0.00

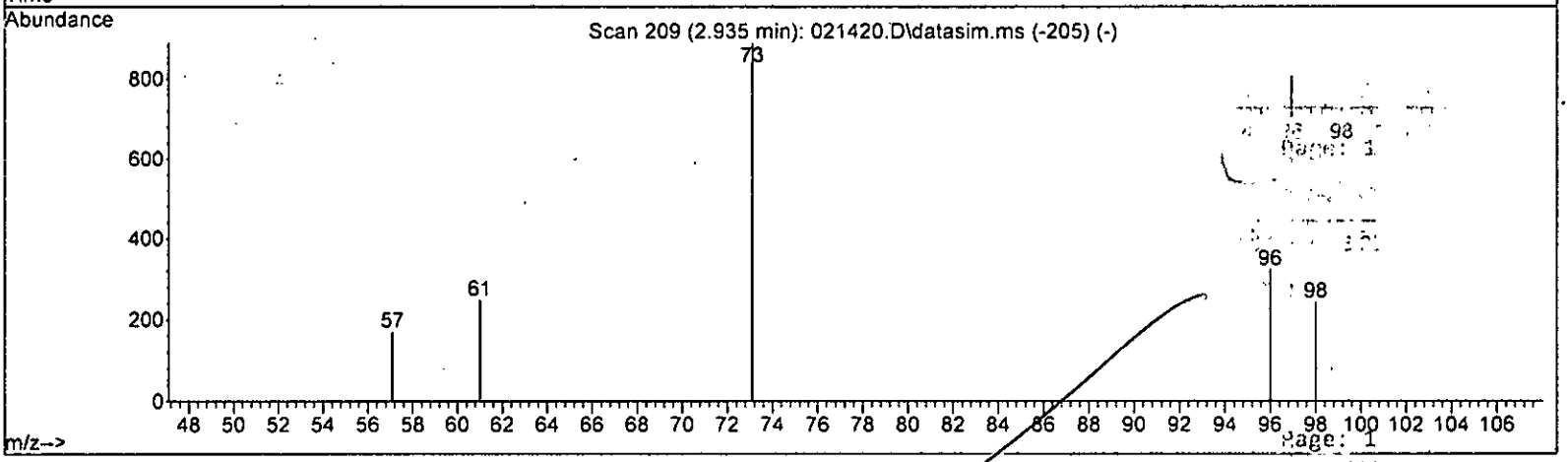
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

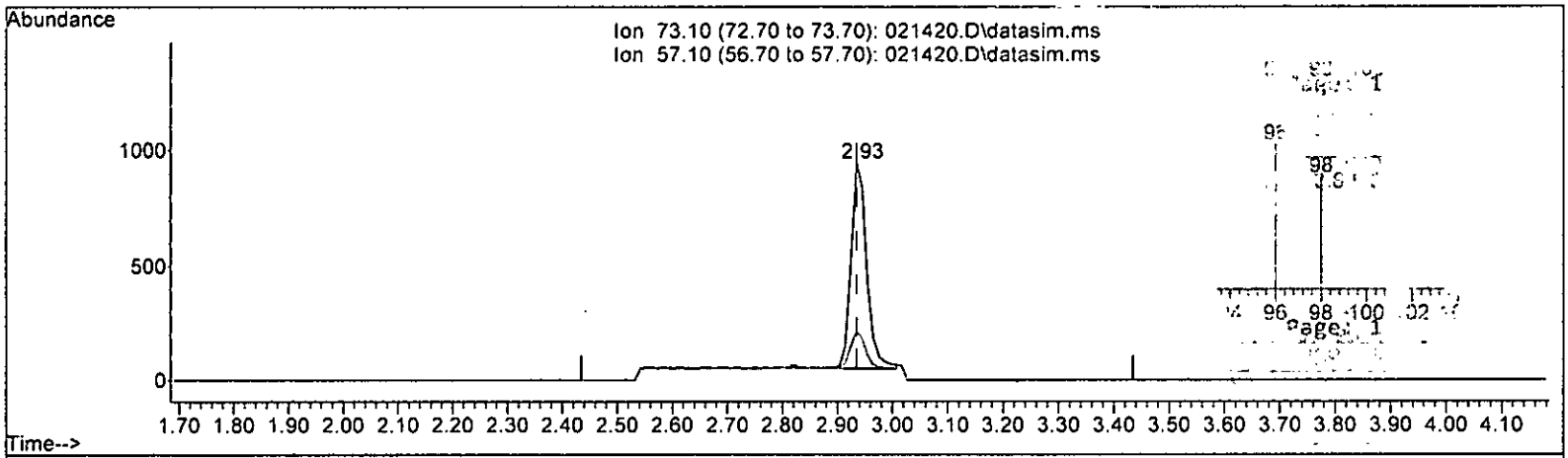
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.609 ppb
response 2153

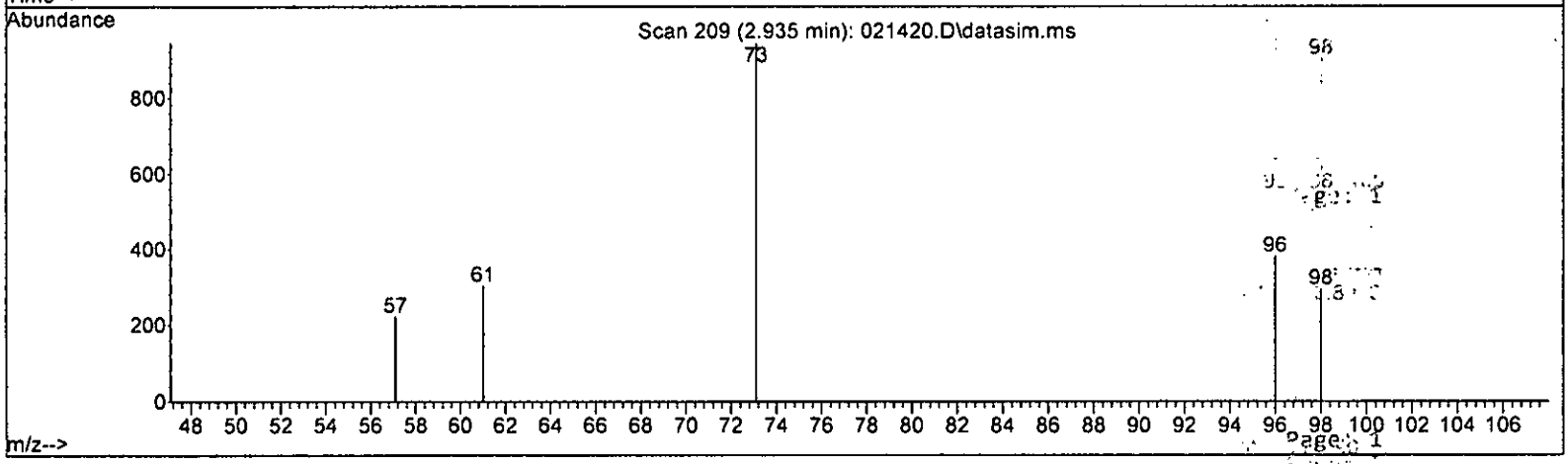
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.500 ppb m
response 1768

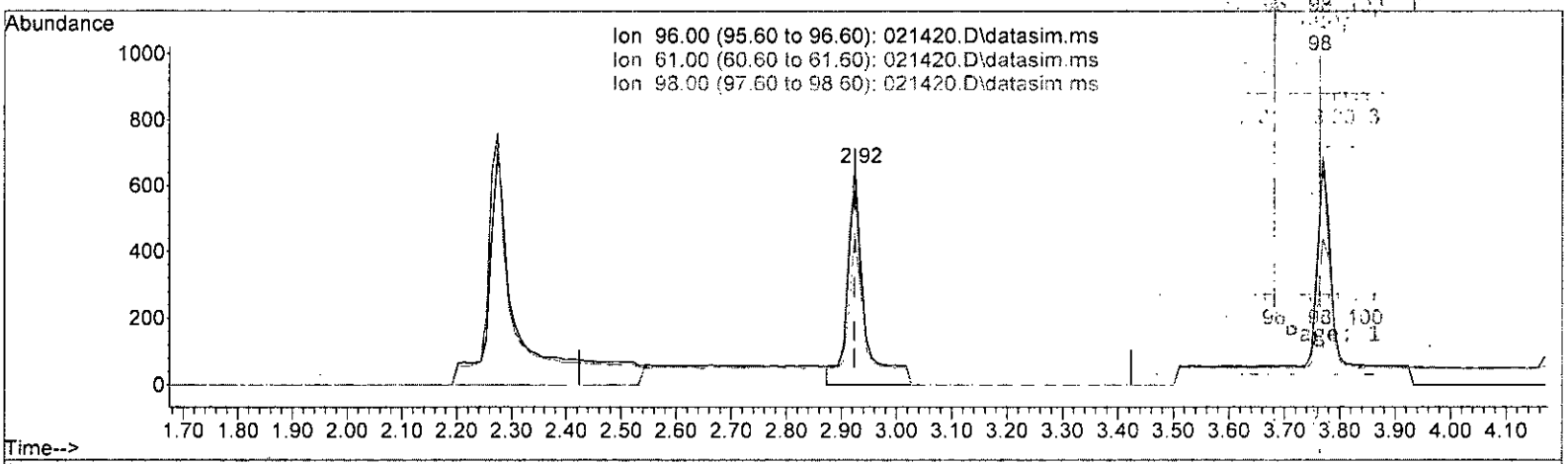
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

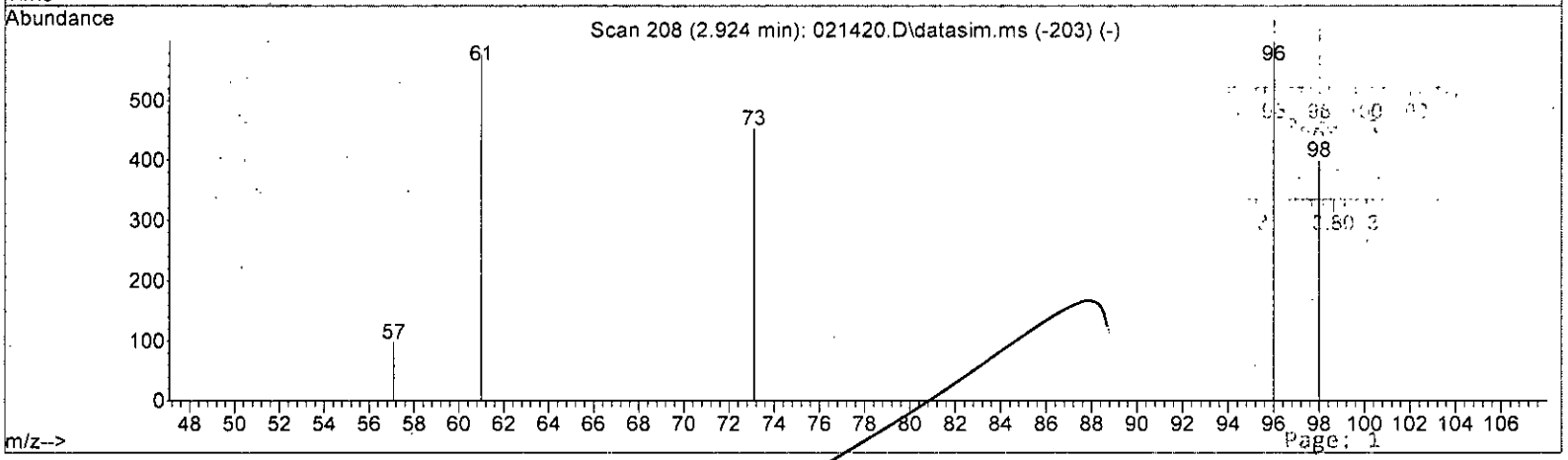
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.756 ppb
response 1376

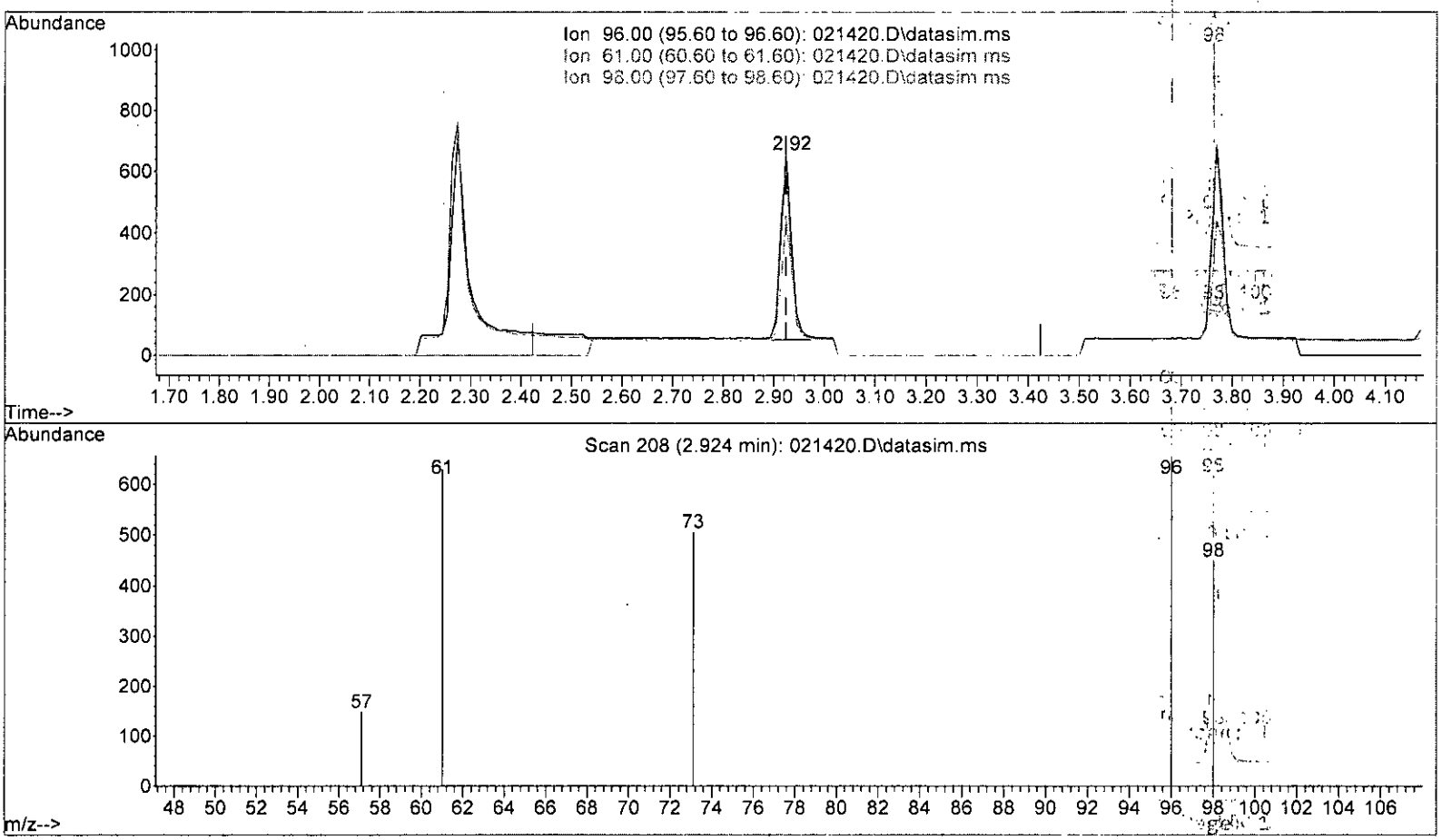
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

m 2 1/5

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.501 ppb m

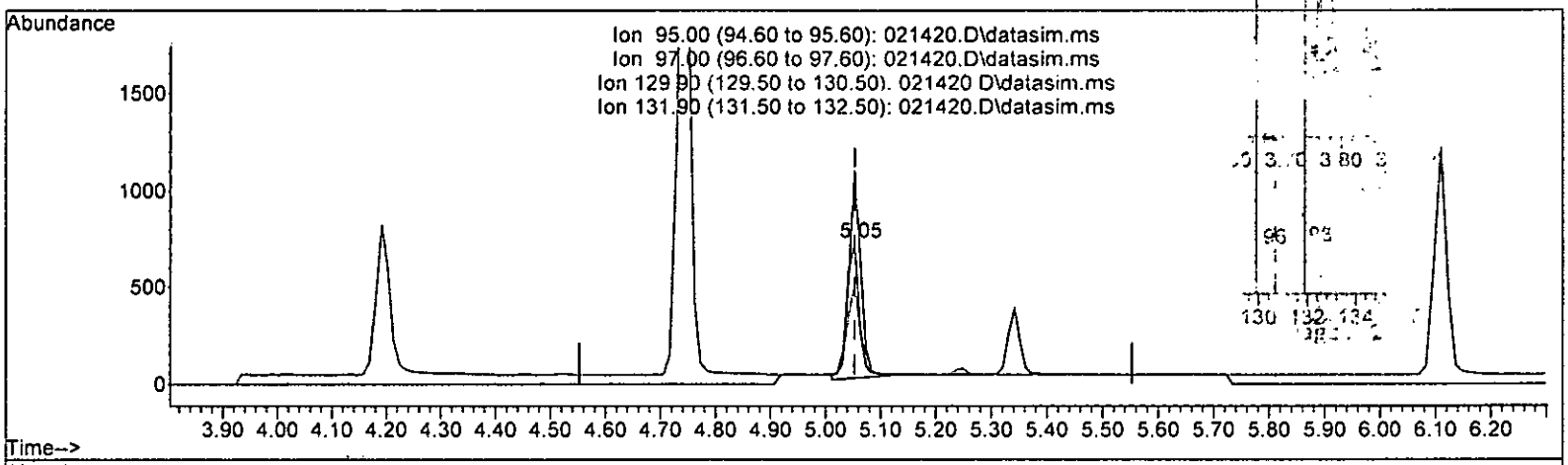
response 912

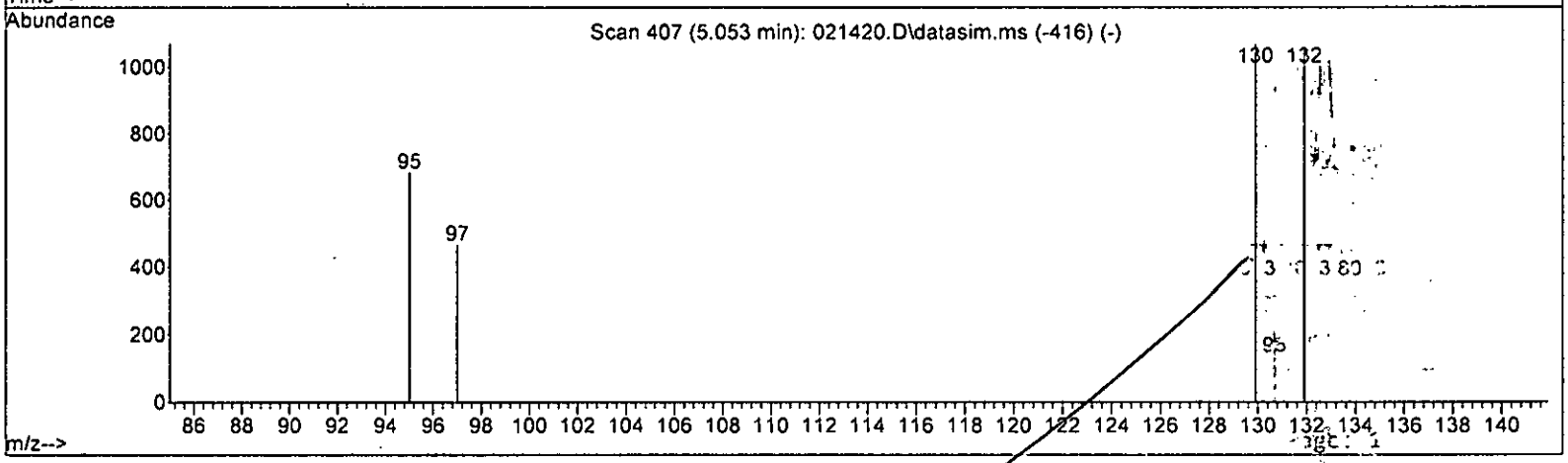
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

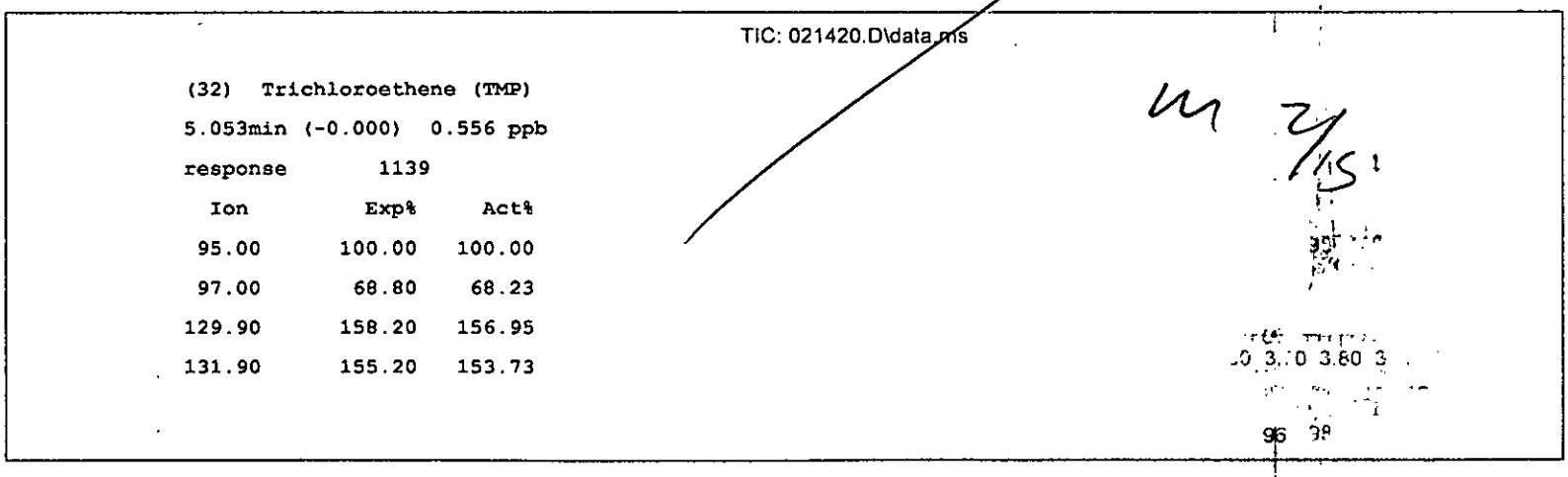
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







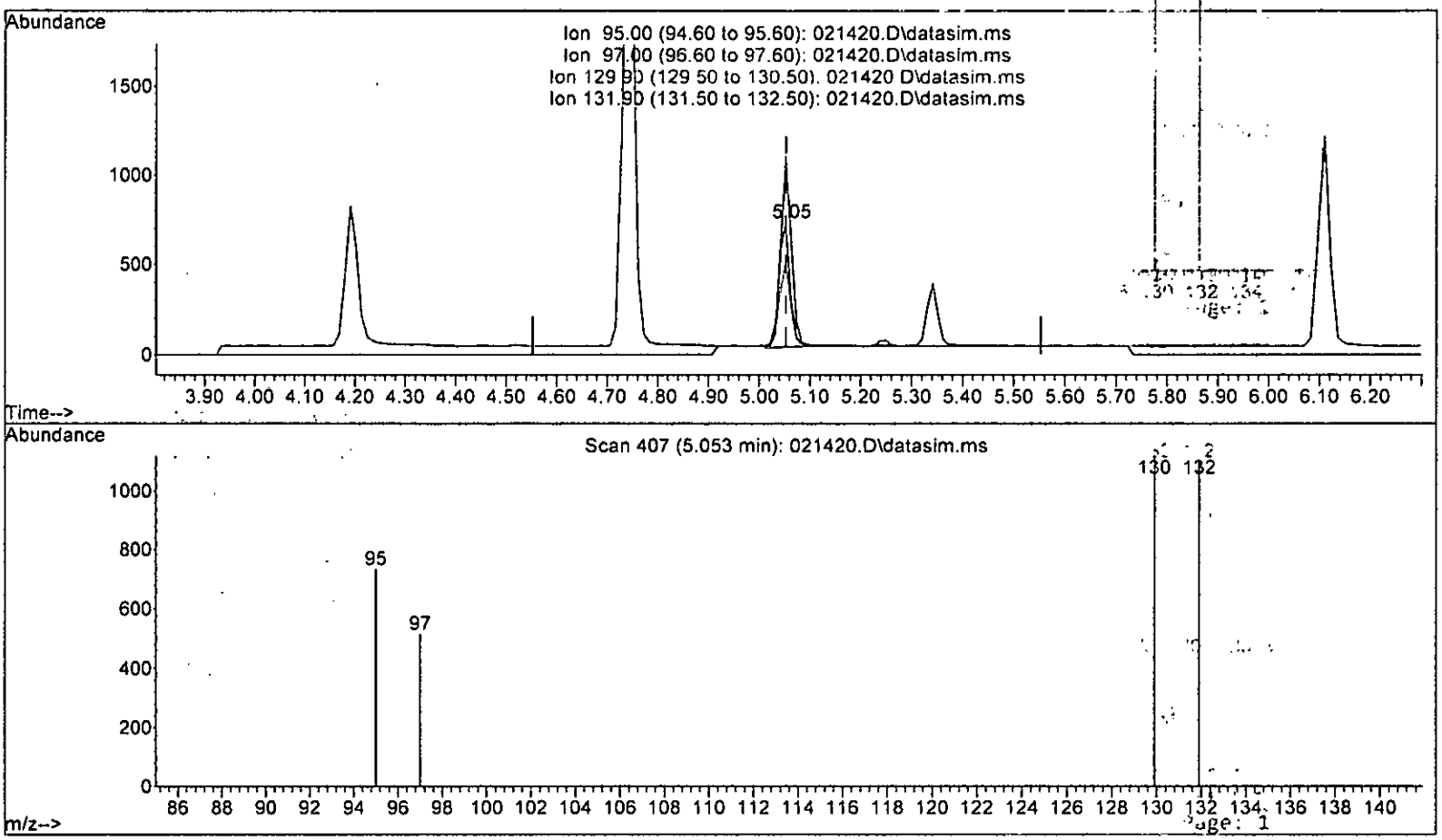
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.556 ppb
response 1139

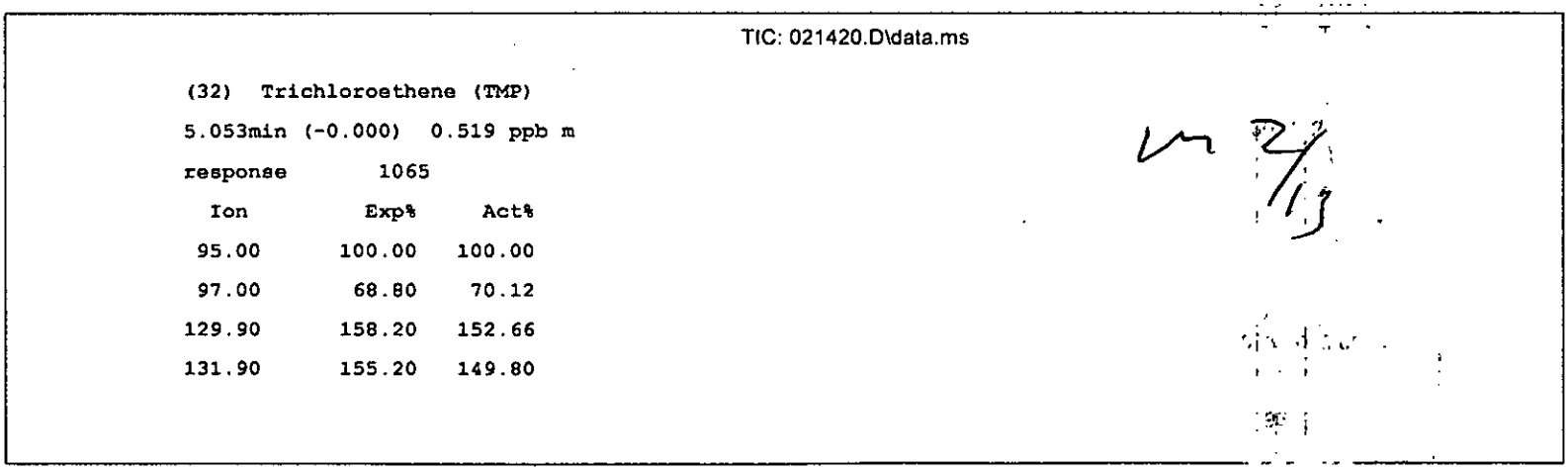
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.23
129.90	158.20	156.95
131.90	155.20	153.73

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





(32) Trichloroethene (TMP)
5.053min (-0.000) 0.519 ppb m
response 1065

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.12
129.90	158.20	152.66
131.90	155.20	149.80

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.325	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.469	6.2	100	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.500	0.458	8.4	97	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.500	0.519	-3.8	99	0.00
9	TMP	Trichlorofluoromethane	0.500	0.462	7.6	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	2.500	2.136	14.6	89	0.00
12	TMP	1,1-Dichloroethene	0.500	0.494	1.2	103	0.00
13	TMP	Hexane	0.500	0.530	-6.0	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.500	0.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.501	-0.2	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.539	-7.8	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.511	-2.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.609	-21.8#	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.573	-14.6	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.500	0.497	0.6	100	0.00
23	TMP	Chloroform	0.500	0.529	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.616	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.518	-3.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.506	-1.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.502	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.532	-6.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.599	-19.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.379	-3.8	100	0.00
31	TMP	Benzene	0.500	0.513	-2.6	100	0.00
32	TMP	Trichloroethene	0.500	0.519	-3.8	103	0.00
33	TMP	1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34	TMP	Bromodichloromethane	0.500	0.549	-9.8	100	0.00
35	S	Toluene-d8	10.000	10.141	-1.4	100	0.00
36	TMP	Dibromomethane	0.500	0.501	-0.2	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.051	18.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.552	-10.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.497	0.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.513	-2.6	100	0.00
43	TMP	2-Hexanone	2.500	2.609	-4.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.586	-17.2	100	0.00
45	TMP	Tetrachloroethene	0.500	0.504	-0.8	100	0.00
46	TMP	Dibromochloromethane	0.500	0.500	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.486	2.8	100	0.00
48	TMP	Chlorobenzene	0.500	0.506	-1.2	100	0.00
49	TMP	Ethylbenzene	0.500	0.503	-0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.449	10.2	100	0.00
51	TMP	m,p-Xylene	1.000	1.017	-1.7	100	0.00
52	TMP	o-Xylene	0.500	0.512	-2.4	100	0.00
53	TMP	Styrene	0.500	0.541	-8.2	100	0.00
54	TMP	Isopropylbenzene	0.500	0.506	-1.2	100	0.00
55	TMP	Bromoform	0.500	0.482	3.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.207	-2.1	100	0.00
58	TMP	n-Propylbenzene	0.500	0.510	-2.0	100	0.00
59	TMP	Bromobenzene	0.500	0.493	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.516	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.545	-9.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.564	-12.8	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.484	3.2	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.497	0.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.499	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.500	0.0	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.496	0.8	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.479	4.2	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.509	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.490	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.533	-6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.500	0.469	6.2	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.506	-1.2	100	0.00
75	TMP	Naphthalene	0.500	0.460	8.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.501	-0.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.685	6.2	100	0.00
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.501	5.8	97	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.217	12.1	99	0.00
9	TMP	Trichlorofluoromethane	1.319	1.220	7.5	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.028	-12.0	89	0.00
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	103	0.00
13	TMP	Hexane	0.231	0.244	-5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.553	-0.2	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.285	-0.4	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.519	-7.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.334	-2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.283	-9.7	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.246	-4.7	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.302	0.300	0.7	100	0.00
23	TMP	Chloroform	0.430	0.455	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.093	-4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.535	-3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.297	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.312	-6.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.479	-3.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.877	-0.1	100	0.00
32	TMP	Trichloroethene	0.338	0.333	1.5	103	0.00
33	TMP	1,2-Dichloropropane	0.173	0.160	7.5	100	0.00
34	TMP	Bromodichloromethane	0.300	0.323	-7.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.172	-0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.035	18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.320	-3.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.719	5.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.322	-1.9	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.208	-2.5	100	0.00
43	TMP	2-Hexanone	0.144	0.151	-4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.398	-17.1	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.437	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.322	2.7	100	0.00
48	TMP	Chlorobenzene	0.967	0.979	-1.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.300	2.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.351	10.2	100	0.00
51	TMP	m,p-Xylene	0.590	0.580	1.7	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.925	-8.2	100	0.00
54	TMP	Isopropylbenzene	1.393	1.409	-1.1	100	0.00
55	TMP	Bromoform	0.295	0.284	3.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	2.421	-2.1	100	0.00
59	TMP	Bromobenzene	0.857	0.845	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.009	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.497#	-5.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.411#	-12.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.451	-3.7	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.595	0.7	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.051	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.992	-0.1	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.509	0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.387	4.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.563	-1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.446	1.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.488	-2.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.090	-7.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.904	6.3	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.607	-1.2	100	0.00
75	TMP	Naphthalene	1.920	1.580	17.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.770	10.5	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63984	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57214	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33099	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20628	10.325	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%				
30) 1,2-Dichloroethane-d4	4.45	102	4117	10.379	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.80%				
35) Toluene-d8	6.11	98	60420	10.141	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.40%				
57) 4-Bromofluorobenzene	8.51	95	20830	10.207	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	2190	0.469	ppb		99
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	1604m	0.458	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.66	64	695m	0.519	ppb		
9) Trichlorofluoromethane	1.84	101	3902	0.462	ppb		93
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	451	2.136	ppb	#	80
12] 1,1-Dichloroethene	2.27	96	1392m	0.494	ppb		
13) Hexane	3.16	57	782	0.530	ppb		92
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	1768m	0.500	ppb		
17] trans-1,2-Dichloroethene	2.92	96	912m	0.501	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1661	0.539	ppb		91
19] 1,1-Dichloroethane	3.27	63	1069	0.511	ppb		100
20) Ethyl t-butyl ether (E...	3.66	87	905	0.609	ppb	#	73
21) 2,2-Dichloropropane	3.77	77	787	0.573	ppb		87
22] cis-1,2-Dichloroethene	3.77	96	960	0.497	ppb		99
23) Chloroform	4.04	83	1455	0.529	ppb		89
24) 2-Butanone (MEK)	3.79	43	1491	2.616	ppb		96
25) t-Amyl methyl ether (T...	4.61	73	1710	0.518	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	951	0.506	ppb		100
27] 1,1,1-Trichloroethane	4.19	97	1401	0.502	ppb		99
28) 1,1-Dichloropropene	4.33	75	999	0.532	ppb		85
29) Carbon tetrachloride	4.33	117	1533	0.599	ppb		92
31] Benzene	4.50	78	2807	0.513	ppb		99
32] Trichloroethene	5.05	95	1065m	0.519	ppb		
33) 1,2-Dichloropropane	5.24	63	513	0.464	ppb	#	80
34) Bromodichloromethane	5.48	83	1033	0.549	ppb		98
36) Dibromomethane	5.34	93	550	0.501	ppb		98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

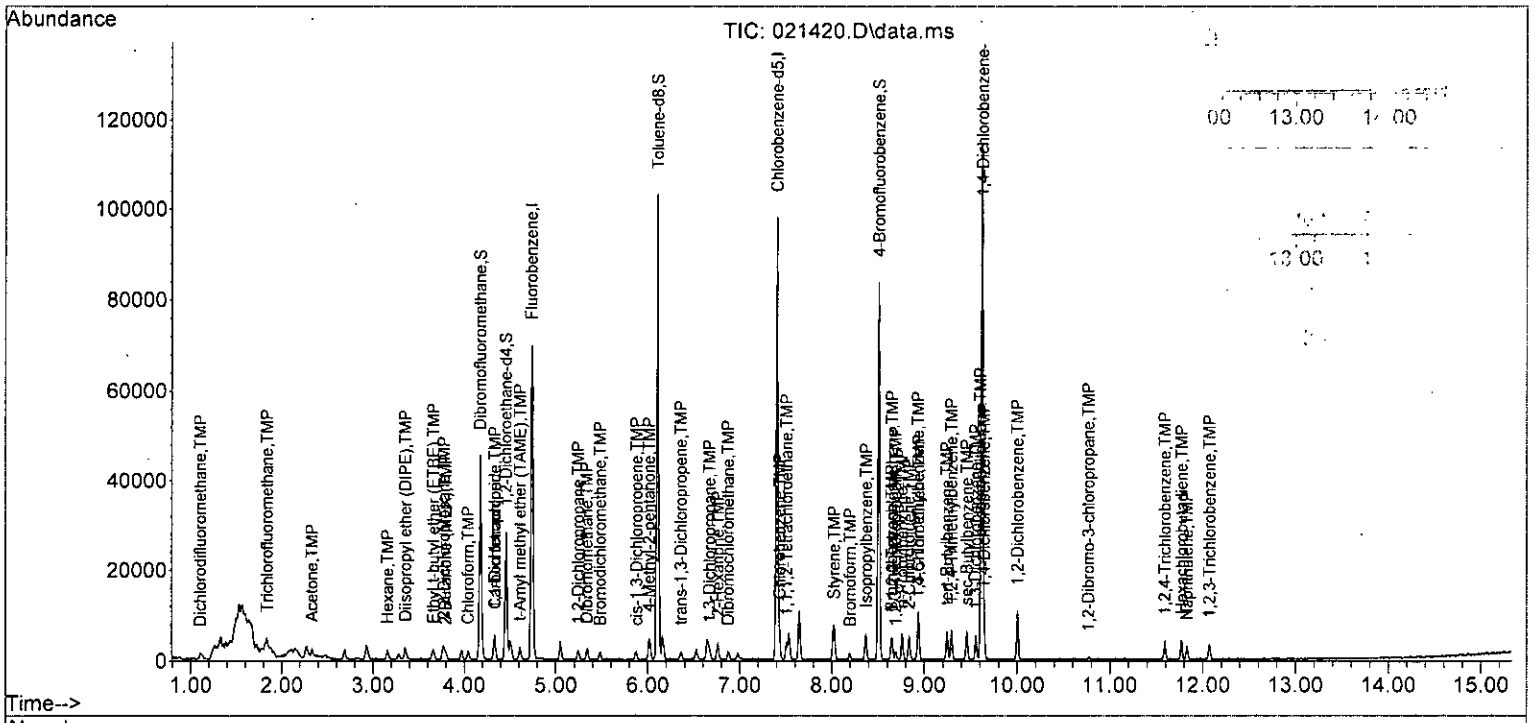
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	564	2.051	ppb		83
38) cis-1,3-Dichloropropene	5.88	75	1023	0.552	ppb		84
40] Toluene	6.16	92	2058	0.497	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	921	0.509	ppb		94
42] 1,1,2-Trichloroethane	6.53	83	595	0.513	ppb		99
43) 2-Hexanone	6.76	43	2155	2.609	ppb		94
44) 1,3-Dichloropropane	6.67	76	1139	0.586	ppb		94
45] Tetrachloroethene	6.65	164	1258	0.504	ppb		98
46) Dibromochloromethane	6.87	129	1250	0.500	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	921	0.486	ppb		99
48) Chlorobenzene	7.43	112	2800	0.506	ppb		94
49] Ethylbenzene	7.54	91	3720	0.503	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	1005	0.449	ppb		83
51] m,p-Xylene	7.65	106	3320	1.017	ppb		97
52] o-Xylene	8.02	106	1615	0.512	ppb		100
53) Styrene	8.03	104	2647	0.541	ppb		87
54) Isopropylbenzene	8.37	105	4030	0.506	ppb		98
55) Bromoform	8.20	173	812	0.482	ppb		75
58) n-Propylbenzene	8.76	91	4006	0.510	ppb		96
59) Bromobenzene	8.65	156	1399	0.493	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	3324	0.516	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	822	0.545	ppb		83
62) 1,2,3-Trichloropropane	8.69	75	681	0.564	ppb		85
63) 2-Chlorotoluene	8.84	91	2402	0.484	ppb		83
64) 4-Chlorotoluene	8.94	91	2640	0.497	ppb		87
65) tert-Butylbenzene	9.24	119	3394	0.499	ppb		92
66) 1,2,4-Trimethylbenzene	9.29	105	3297	0.500	ppb		97
67) sec-Butylbenzene	9.46	105	4152	0.496	ppb		91
68) p-Isopropyltoluene	9.60	119	3951	0.479	ppb		95
69) 1,3-Dichlorobenzene	9.55	146	2587	0.509	ppb		91
70) 1,4-Dichlorobenzene	9.64	146	2393	0.490	ppb		90
71) 1,2-Dichlorobenzene	10.00	146	2462	0.512	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	149	0.533	ppb	#	16
73) 1,2,4-Trichlorobenzene	11.59	180	1496	0.469	ppb		87
74) Hexachlorobutadiene	11.77	225	1004	0.506	ppb		96
75) Naphthalene	11.83	128	2614	0.460	ppb		90
76) 1,2,3-Trichlorobenzene	12.07	180	1274	0.501	ppb		93

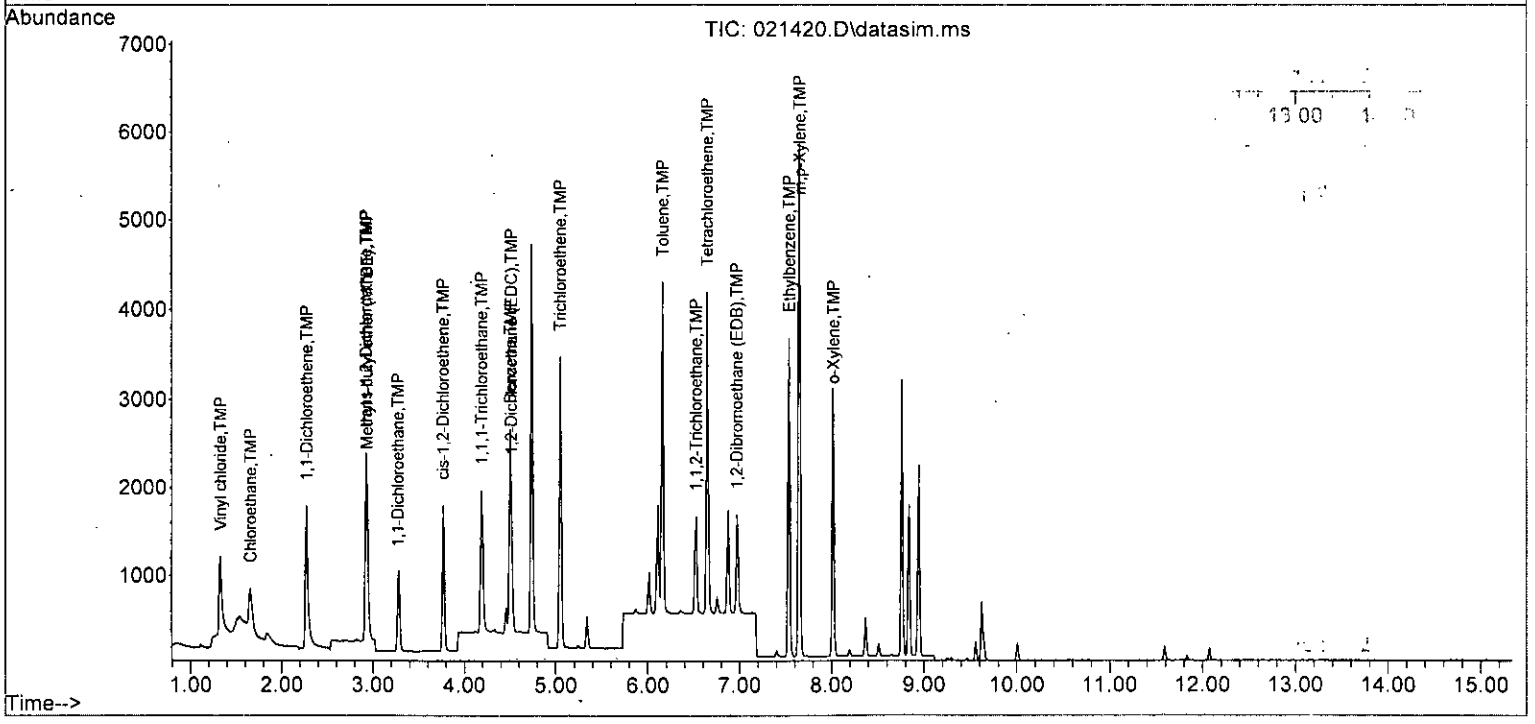
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

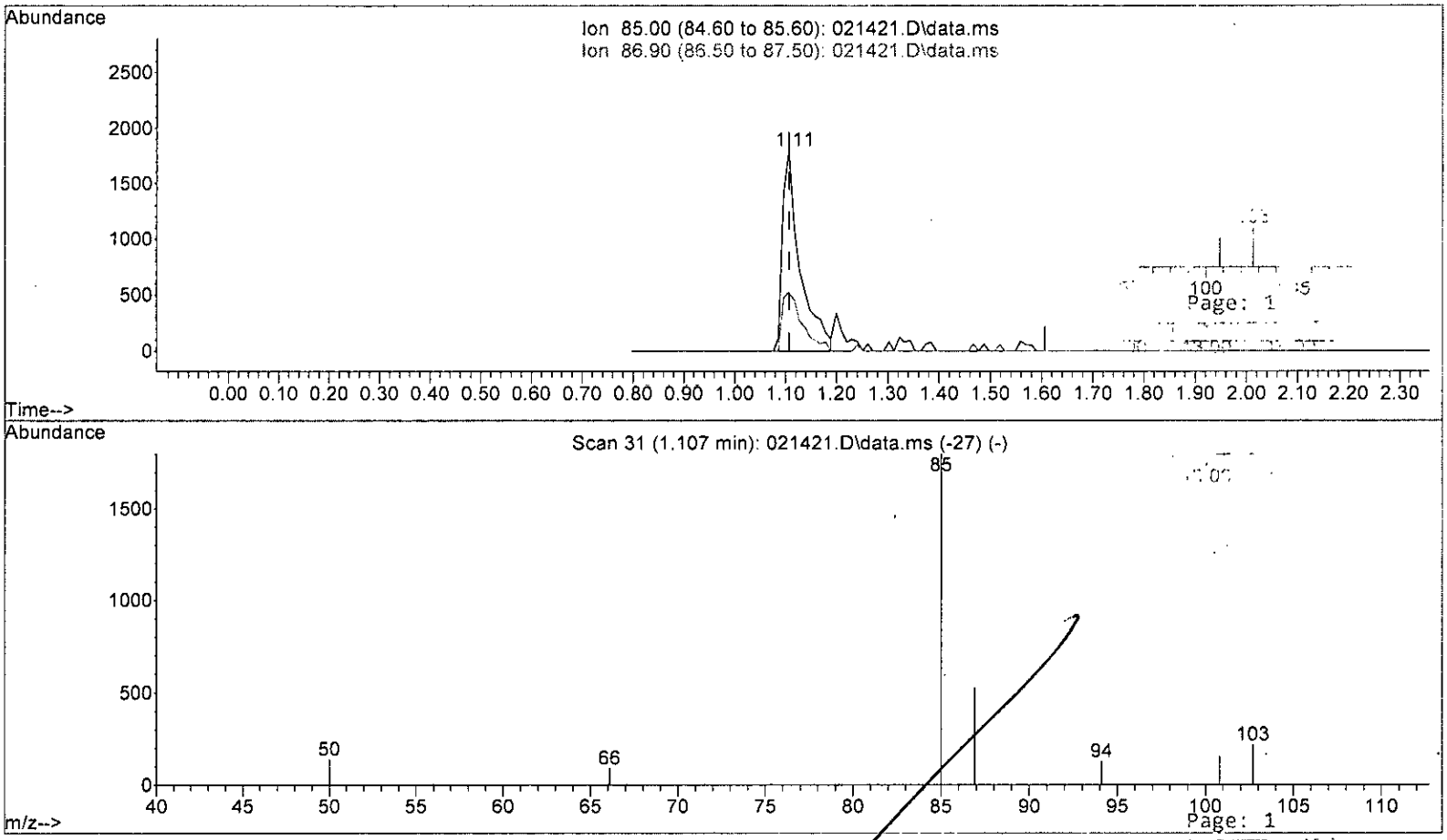
Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.846 ppb

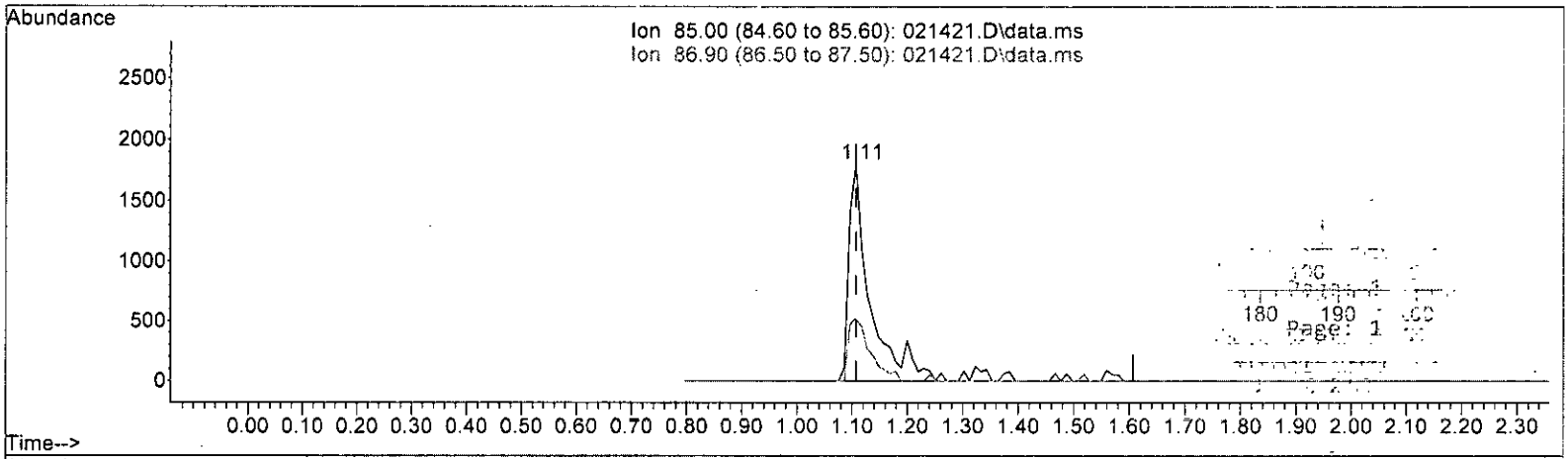
response 4261

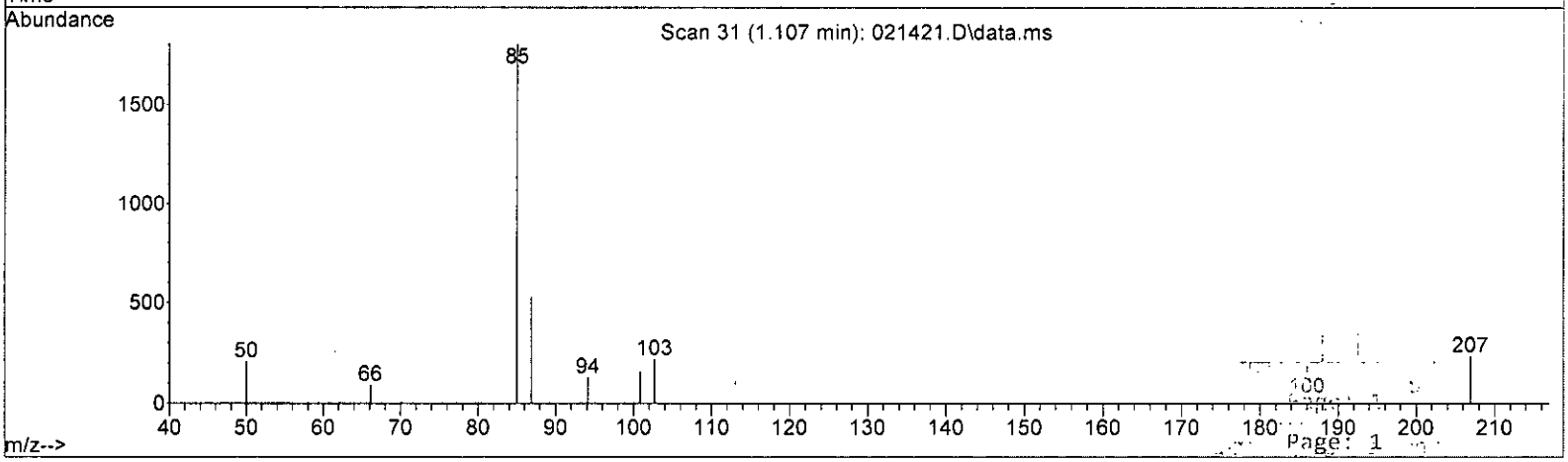
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.949 ppb m

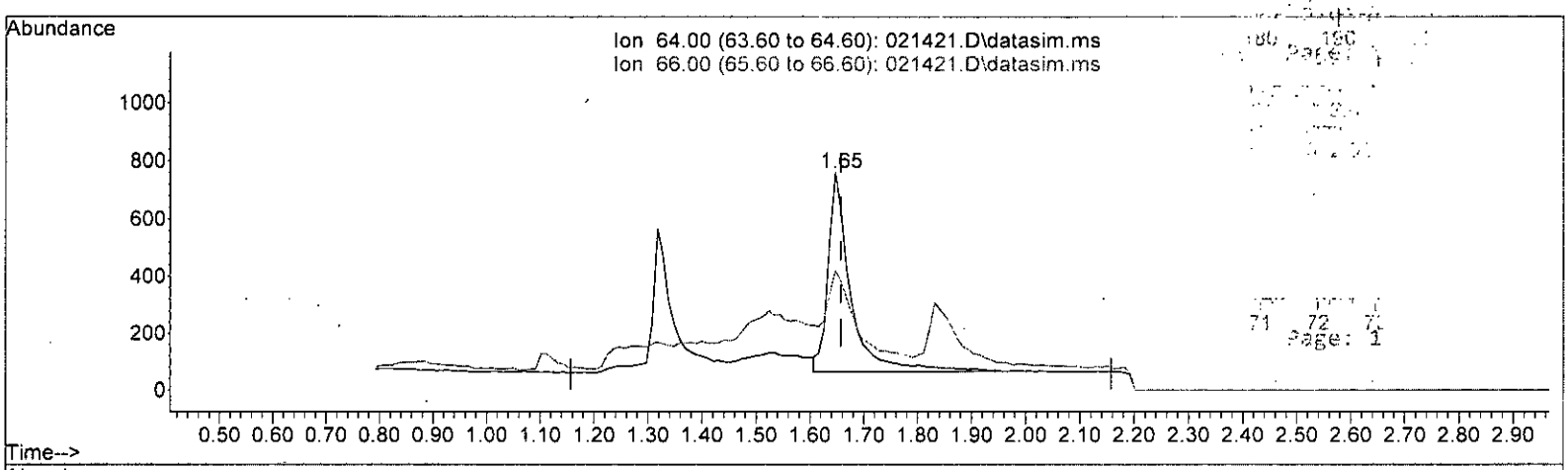
response 4781

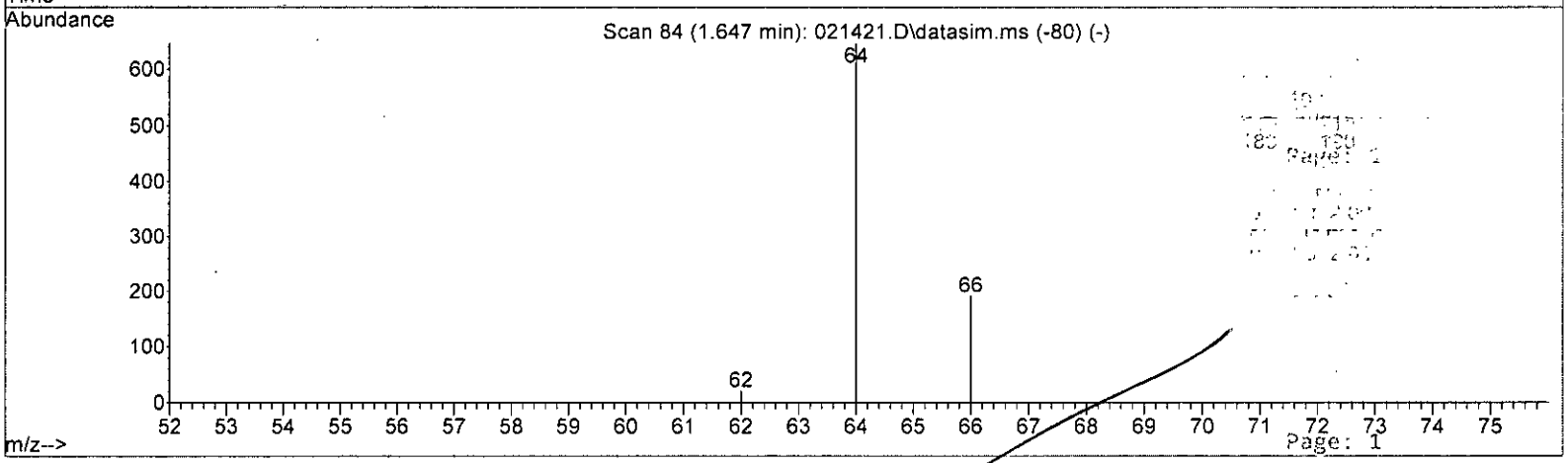
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

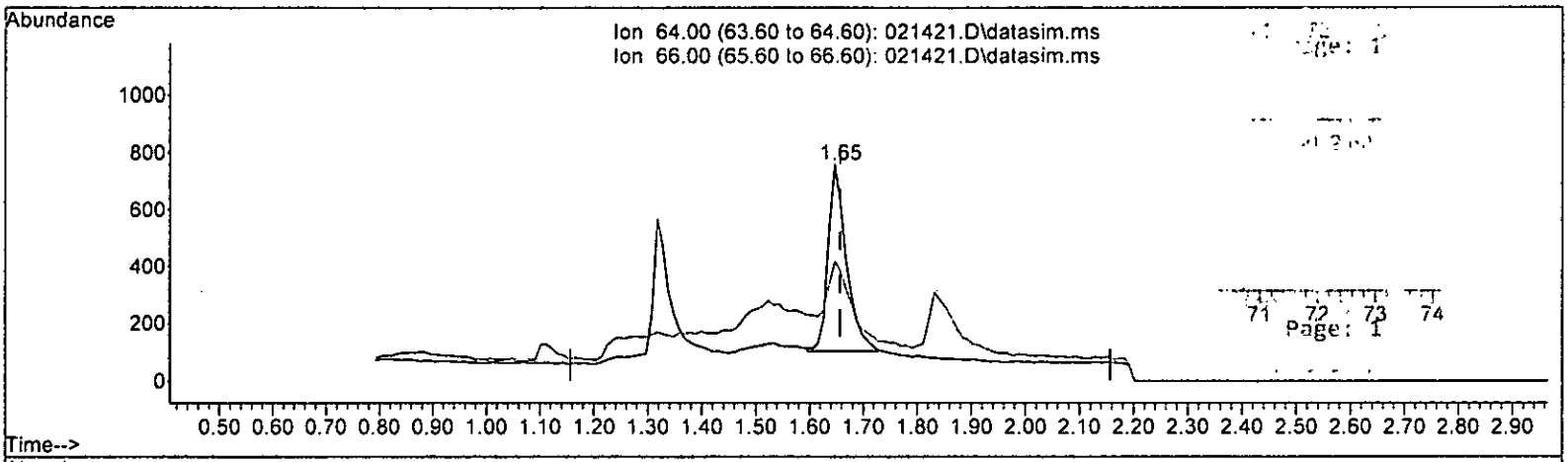
(8) Chloroethane (TMP)
1.647min (-0.010) 1.197 ppb
response 2033

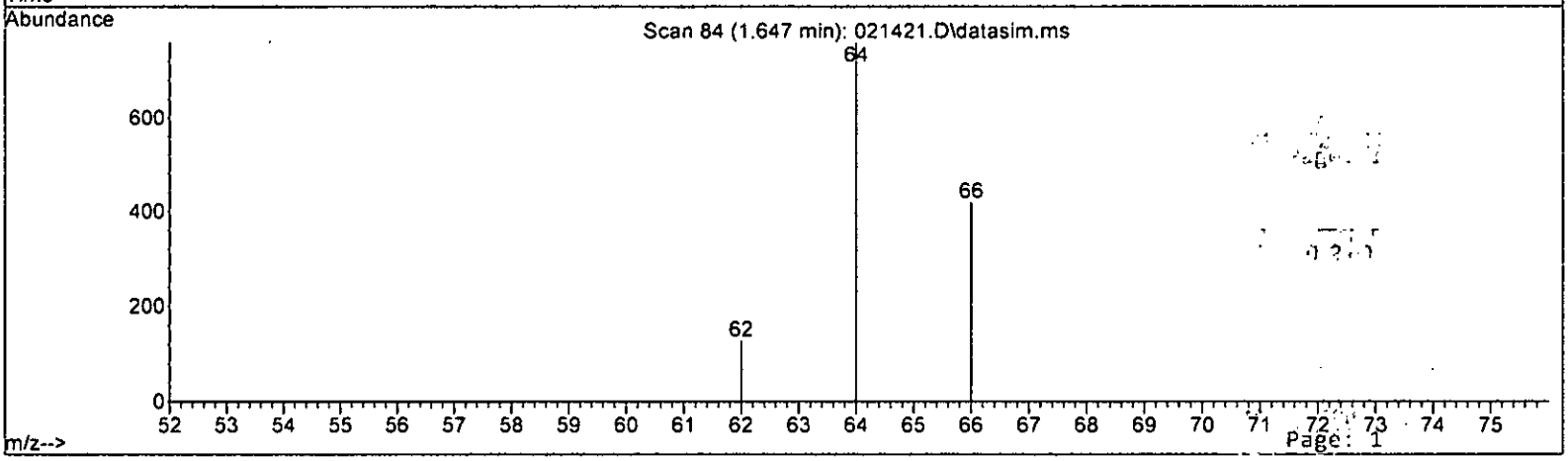
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	46.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.010) 0.938 ppb m

response 1544

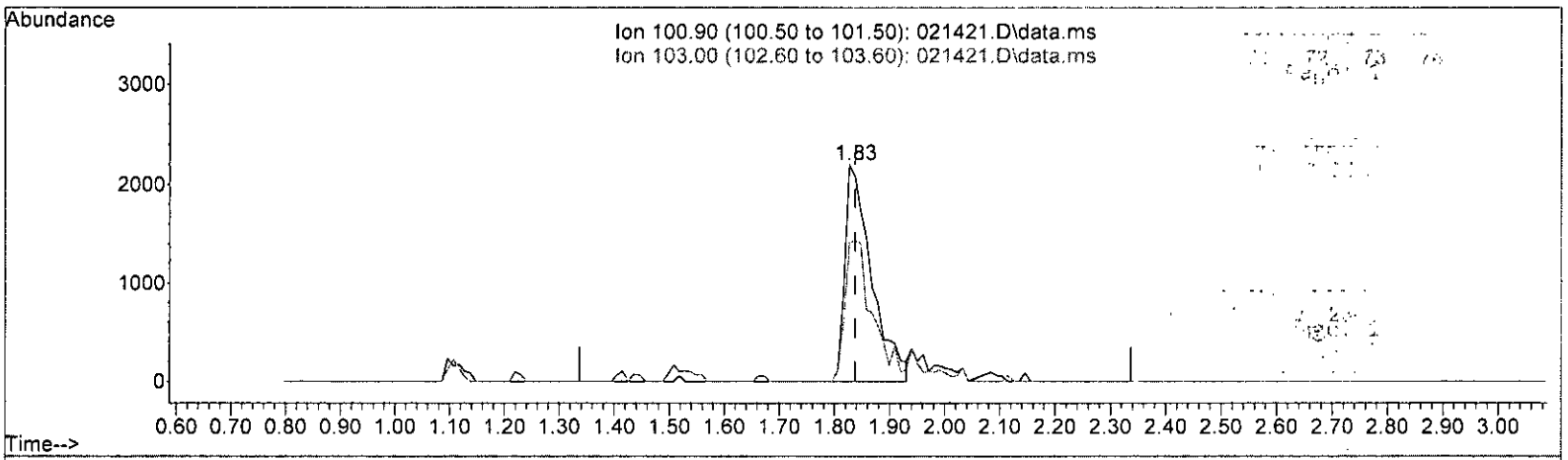
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.07
0.00	0.00	0.00
0.00	0.00	0.00

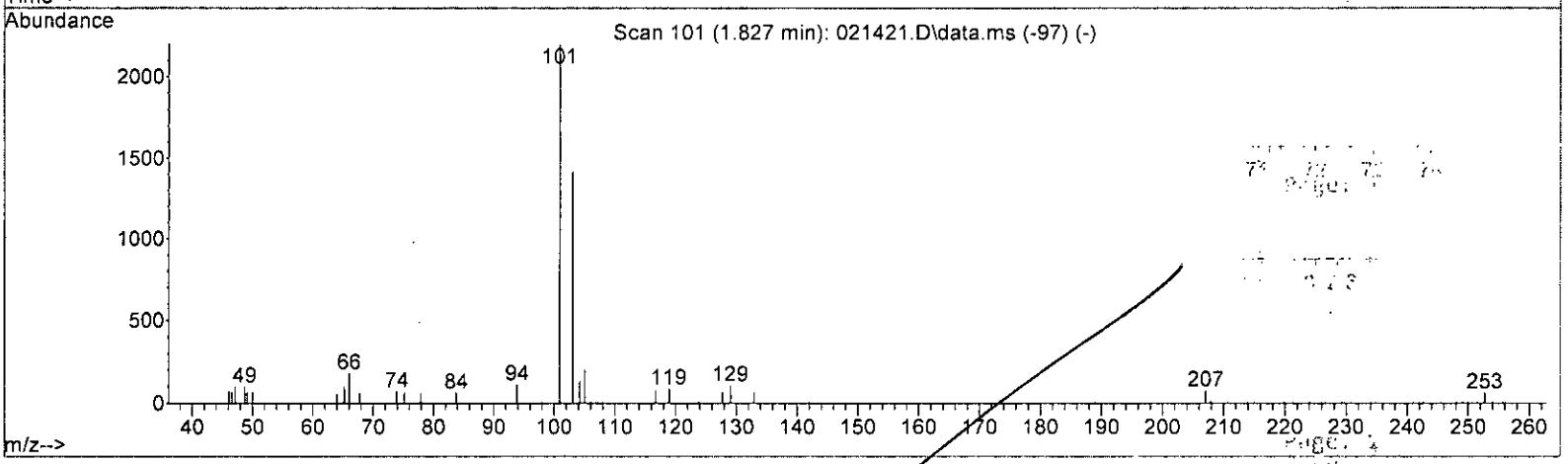
2/15

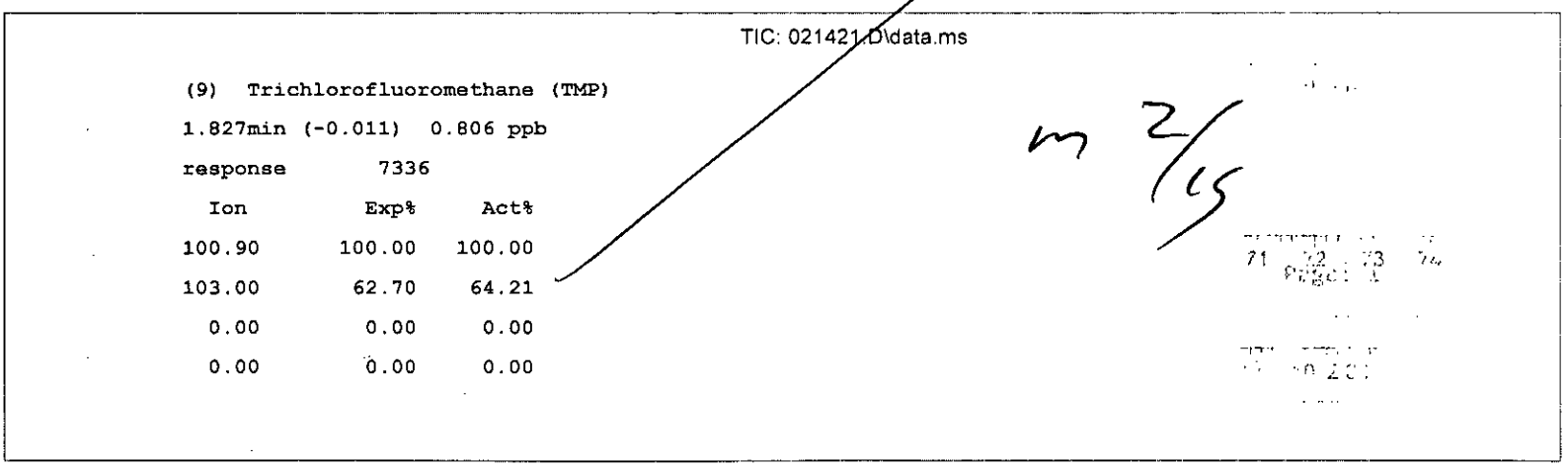
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(9) Trichlorofluoromethane (TMP)
1.827min (-0.011) 0.806 ppb
response 7336

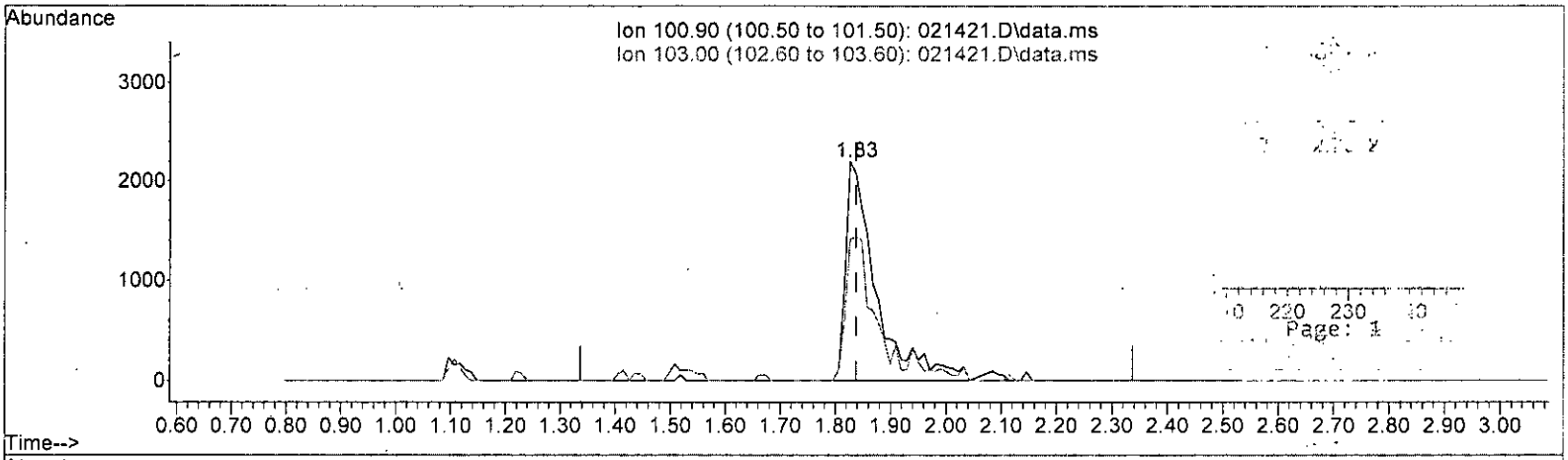
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

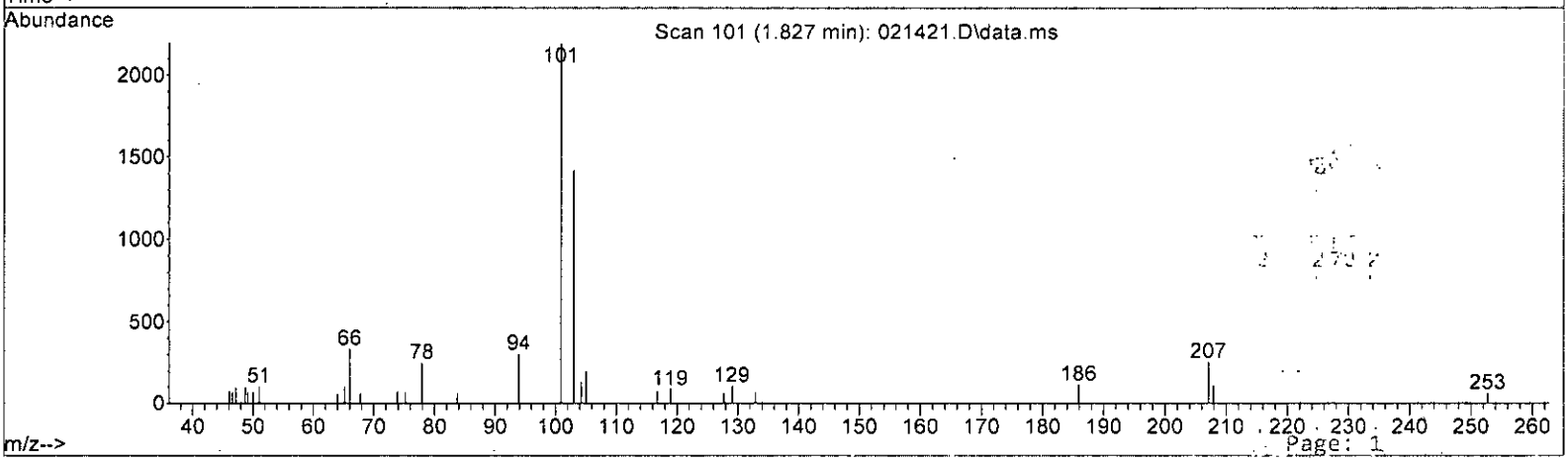
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.011) 0.998 ppb m

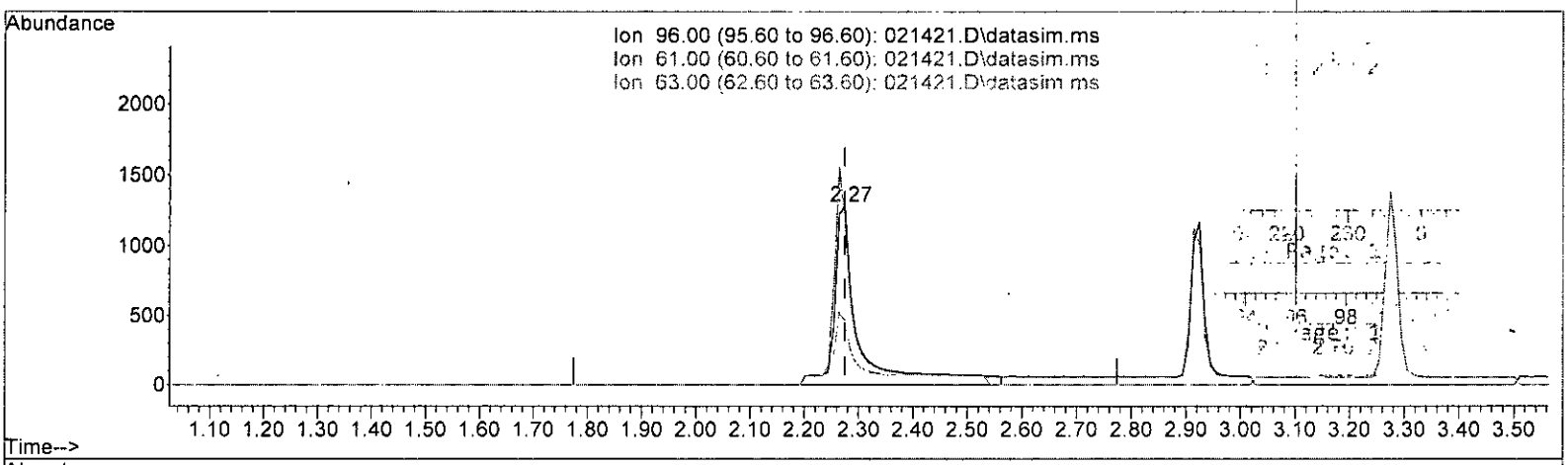
response 9088

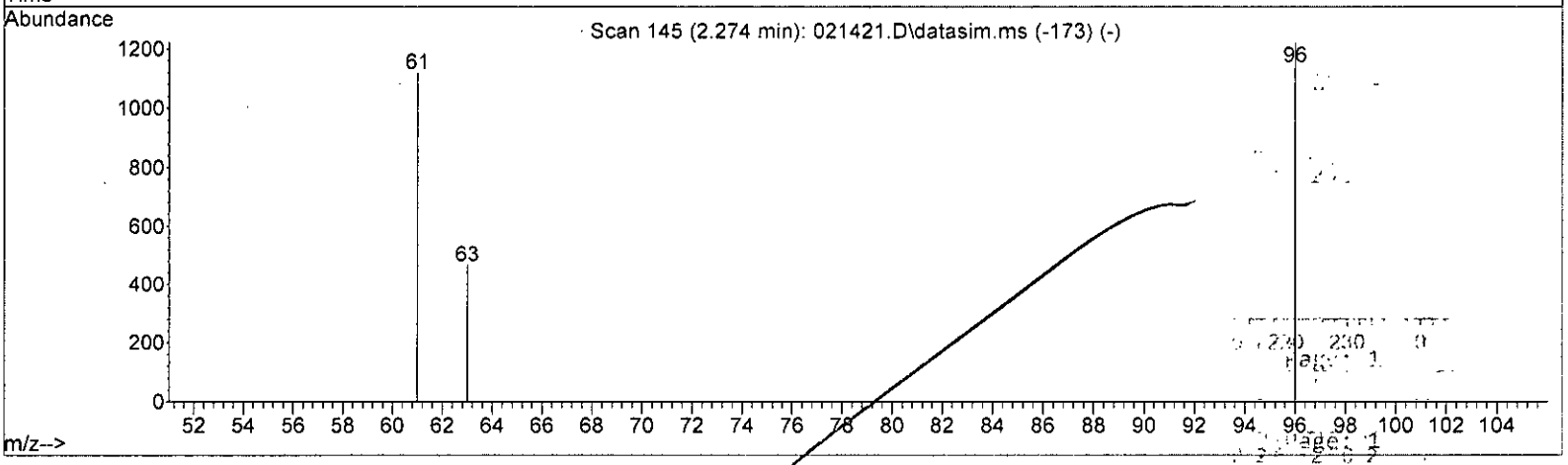
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 1.356 ppb

response 4120

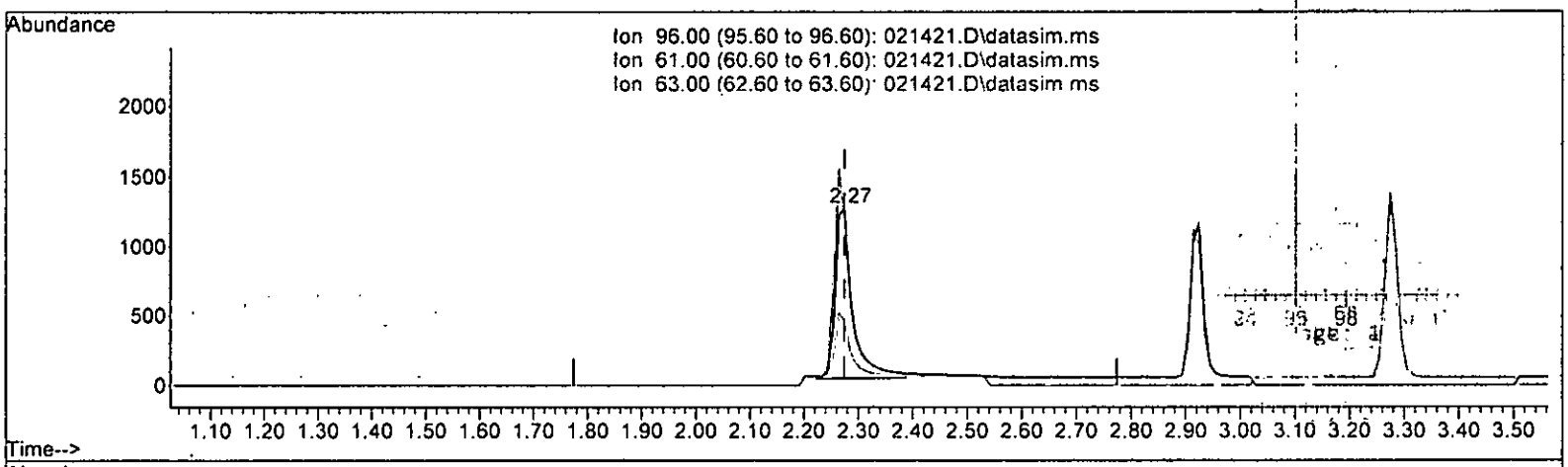
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

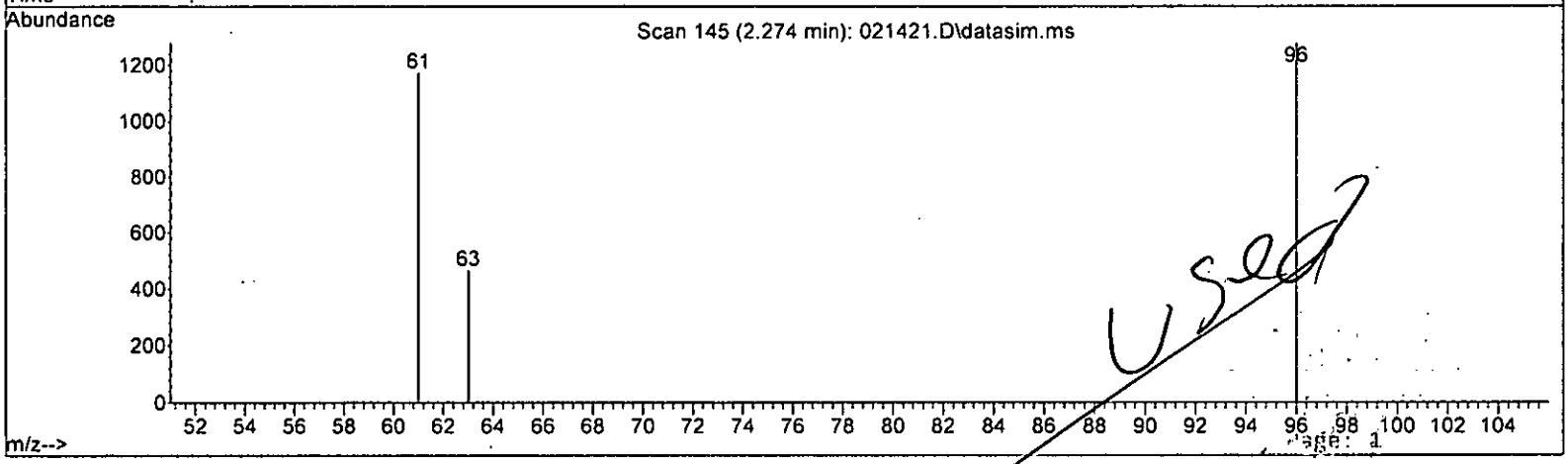
m 2/15

Quantitation Report (Qedit)

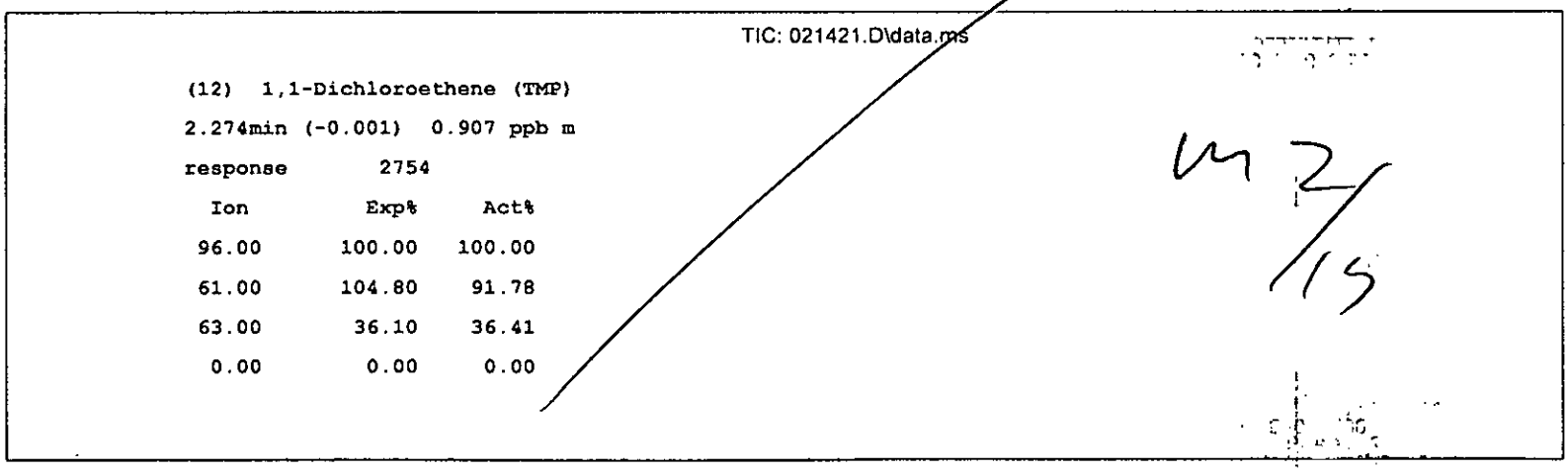
Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Used



(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.907 ppb m
response 2754

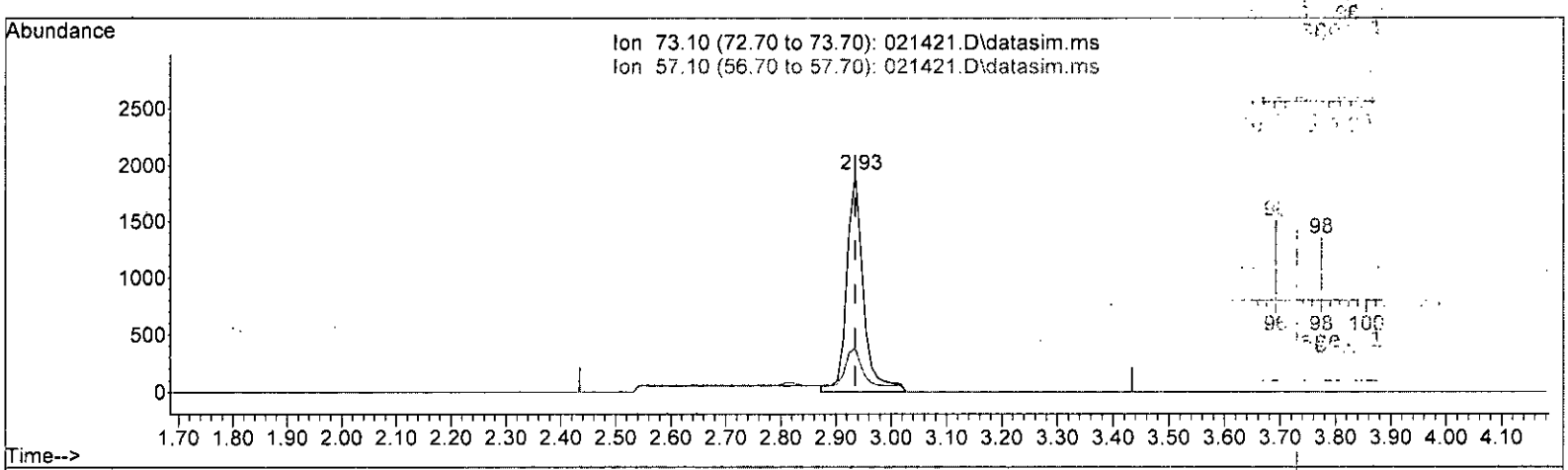
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

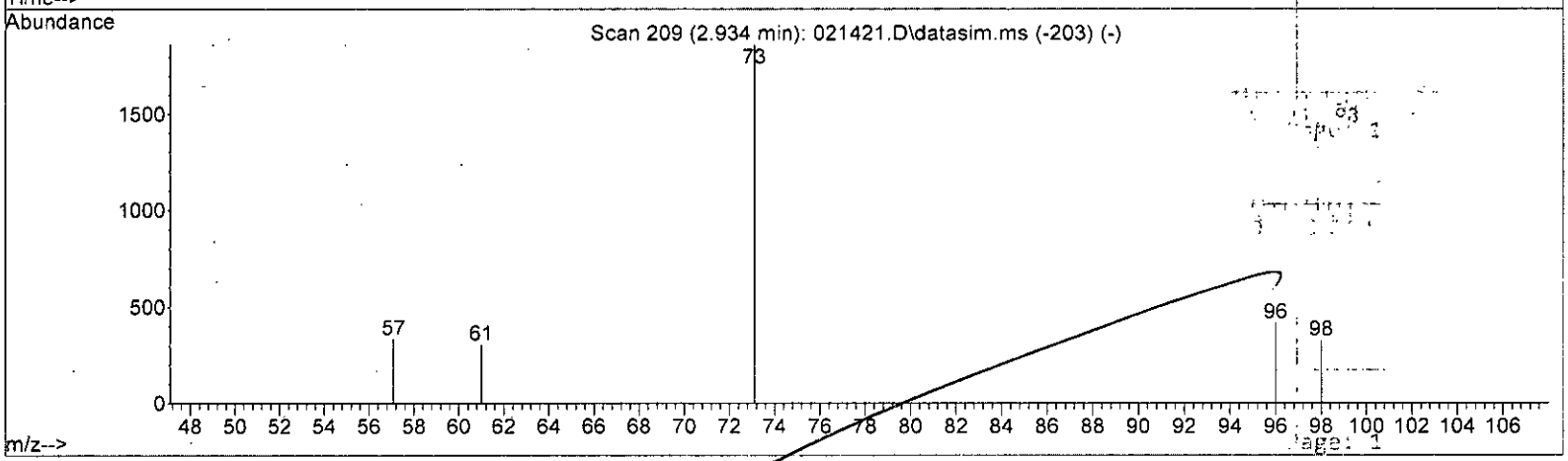
MZ
15

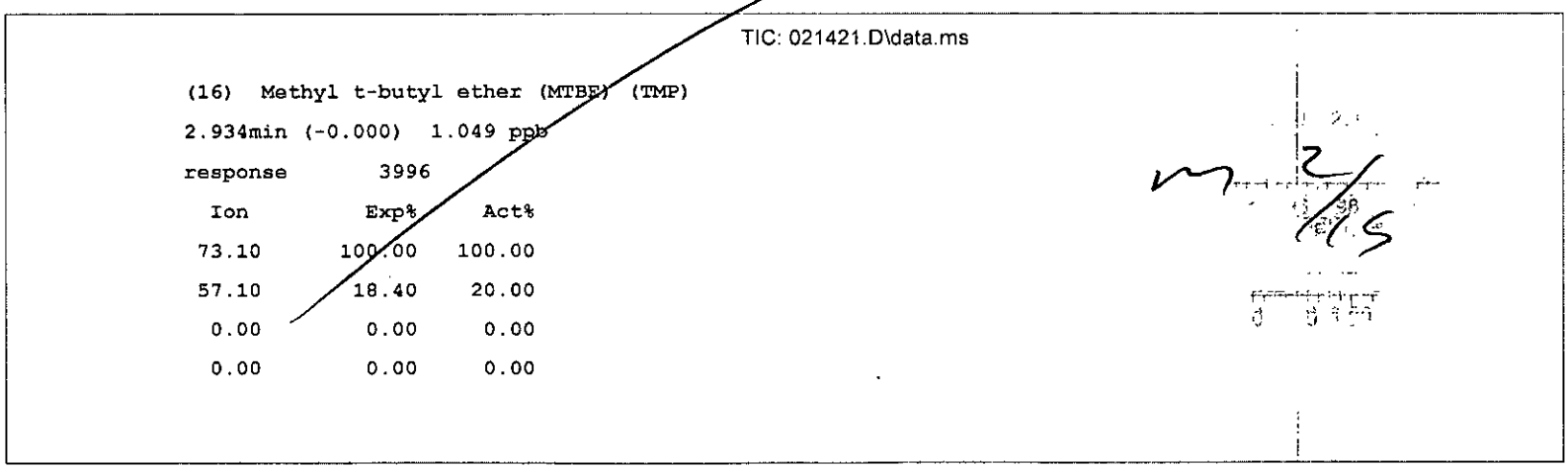
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







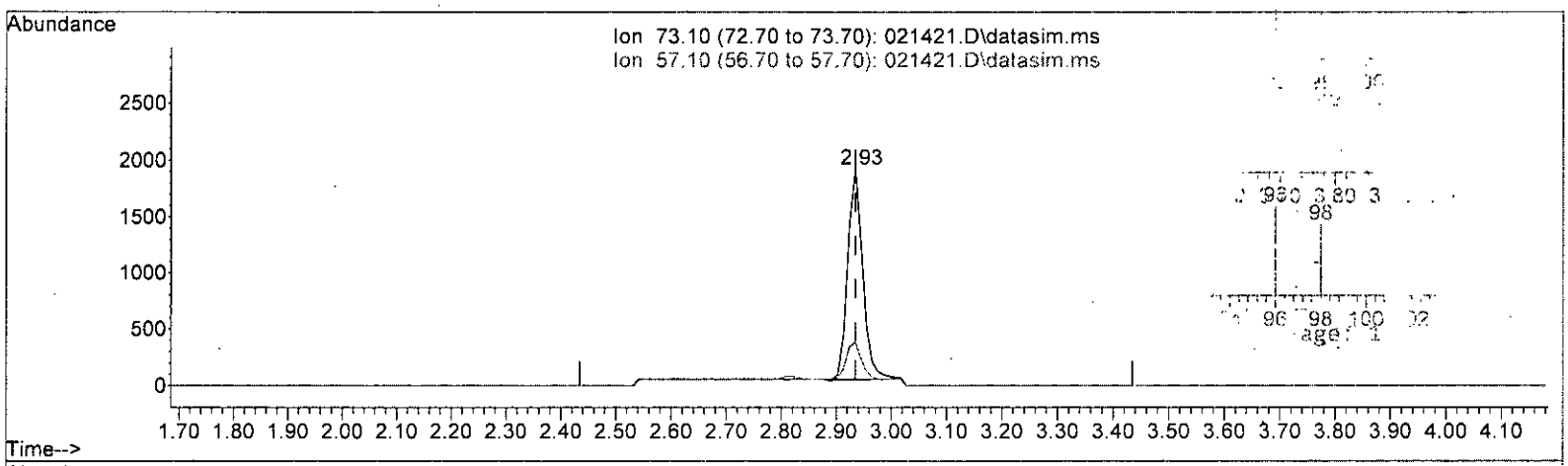
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.049 ppb
response 3996

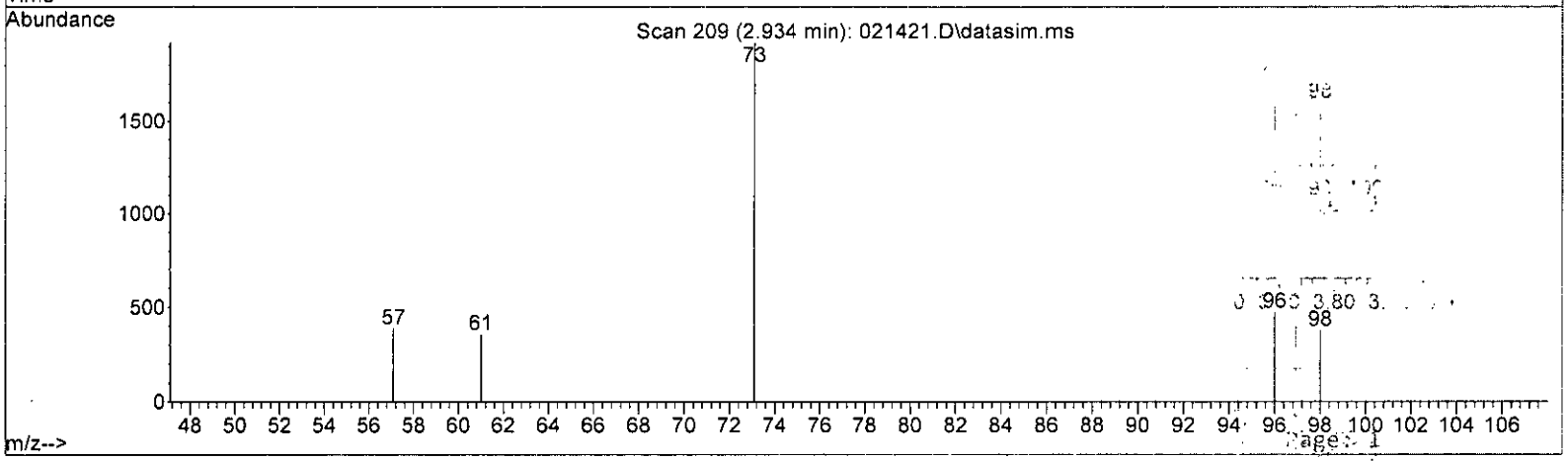
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.000) 0.925 ppb m

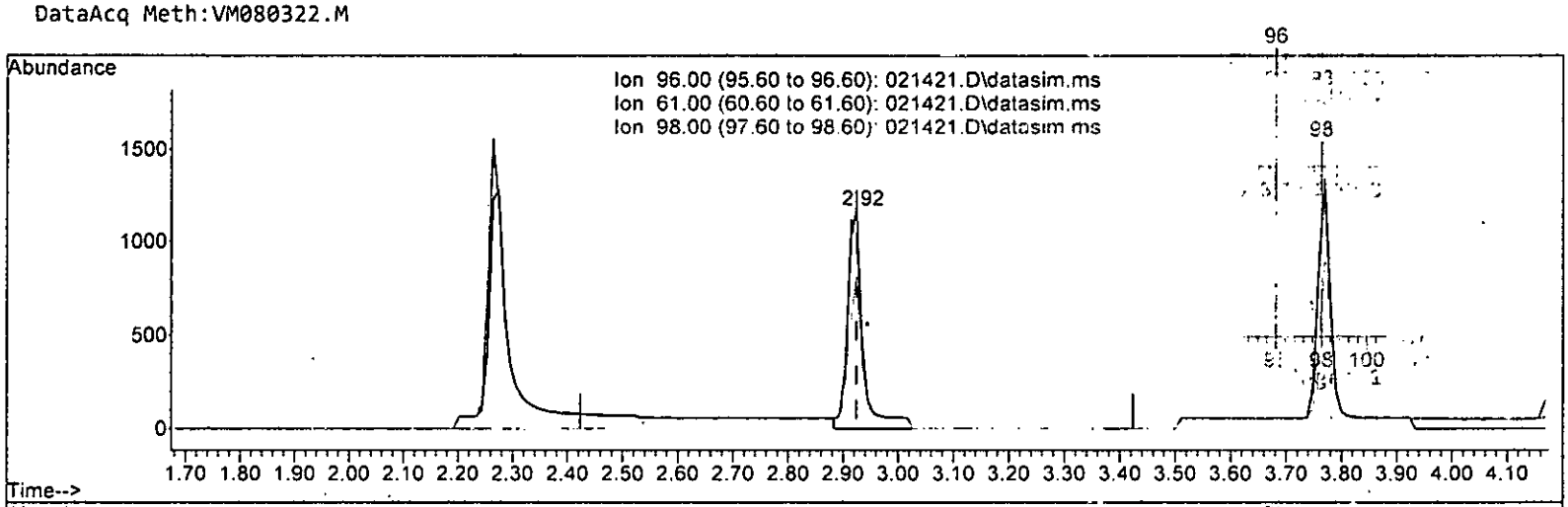
response 3526

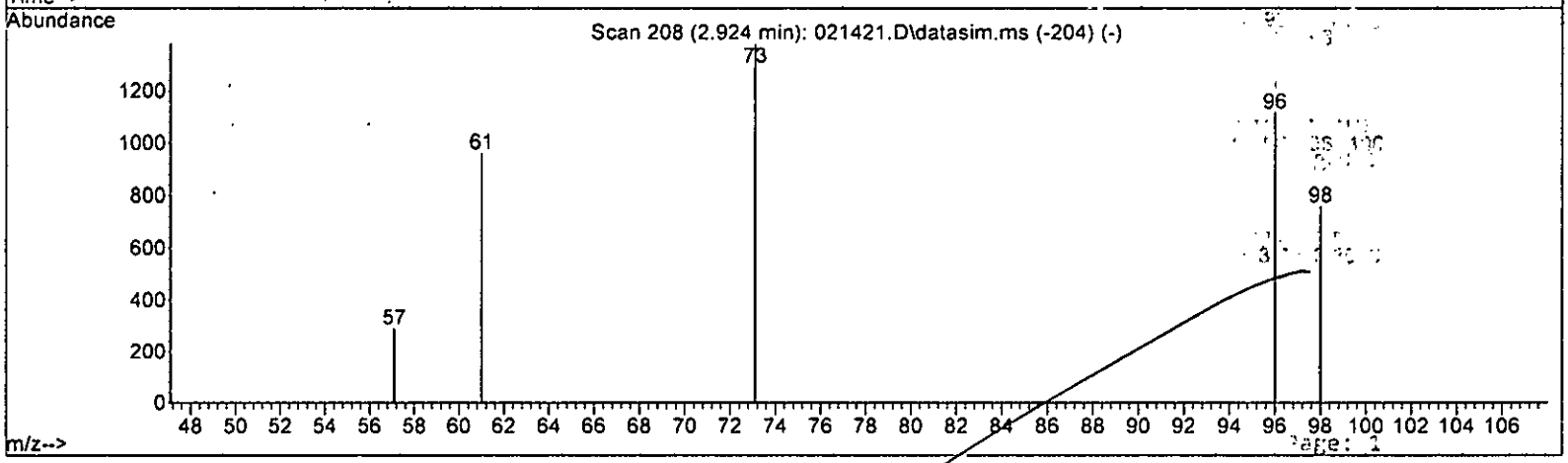
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 1.144 ppb

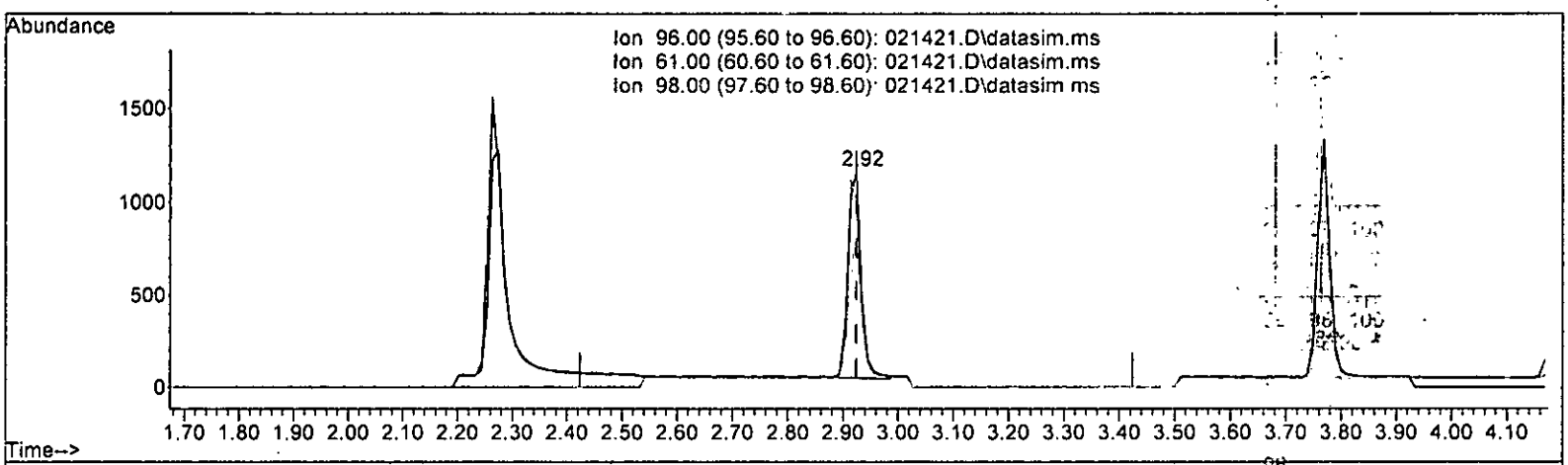
response 2245

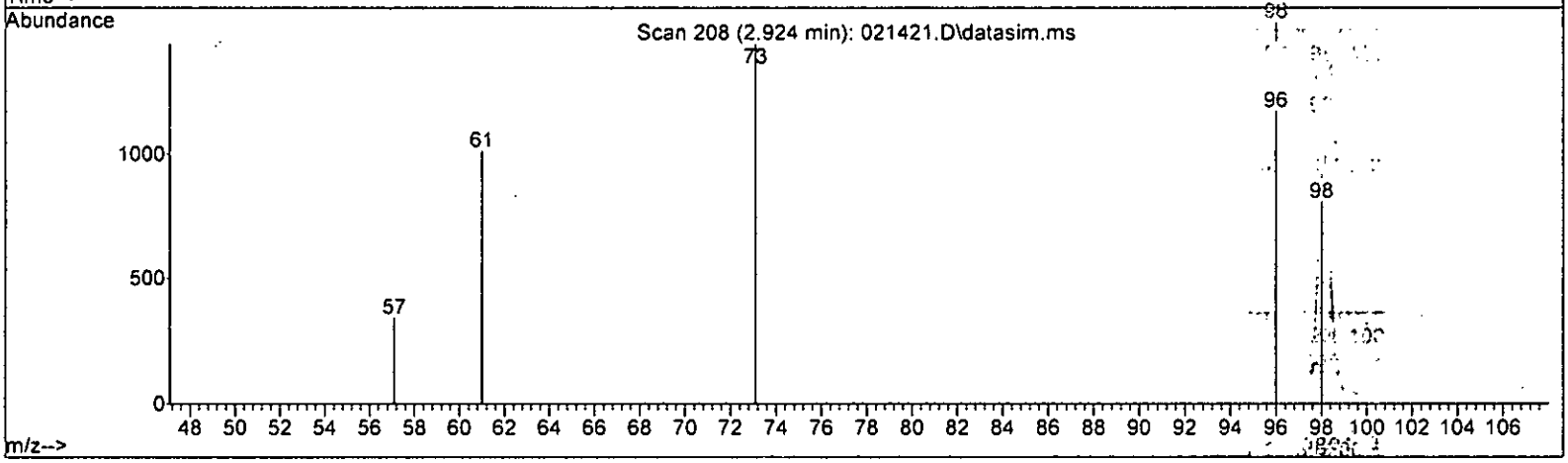
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

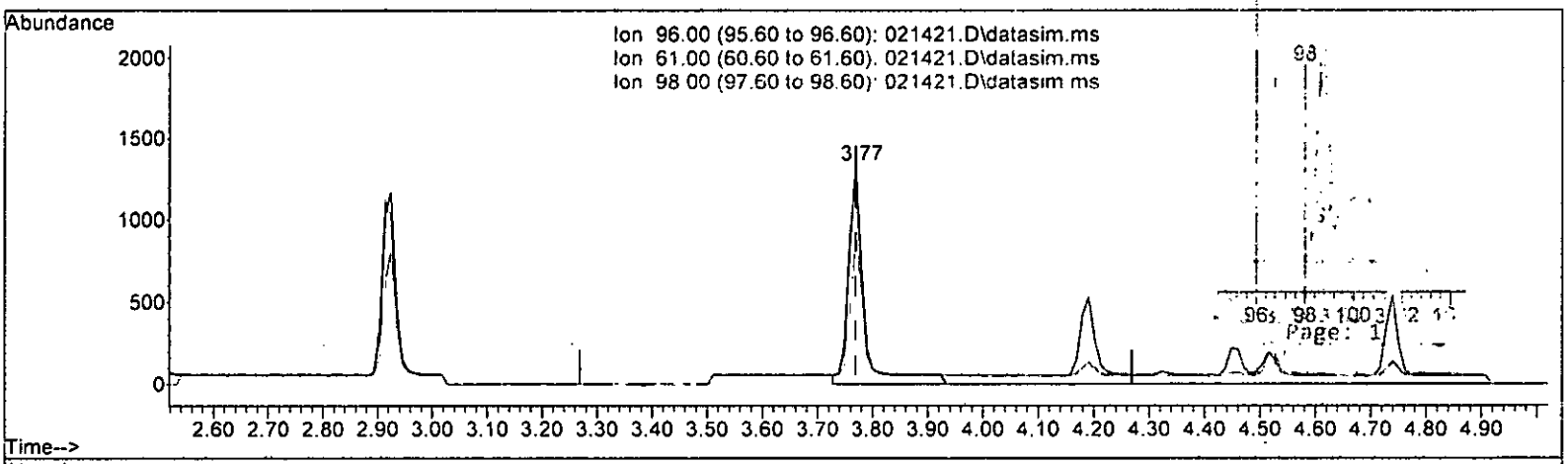
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.934 ppb m
response 1833

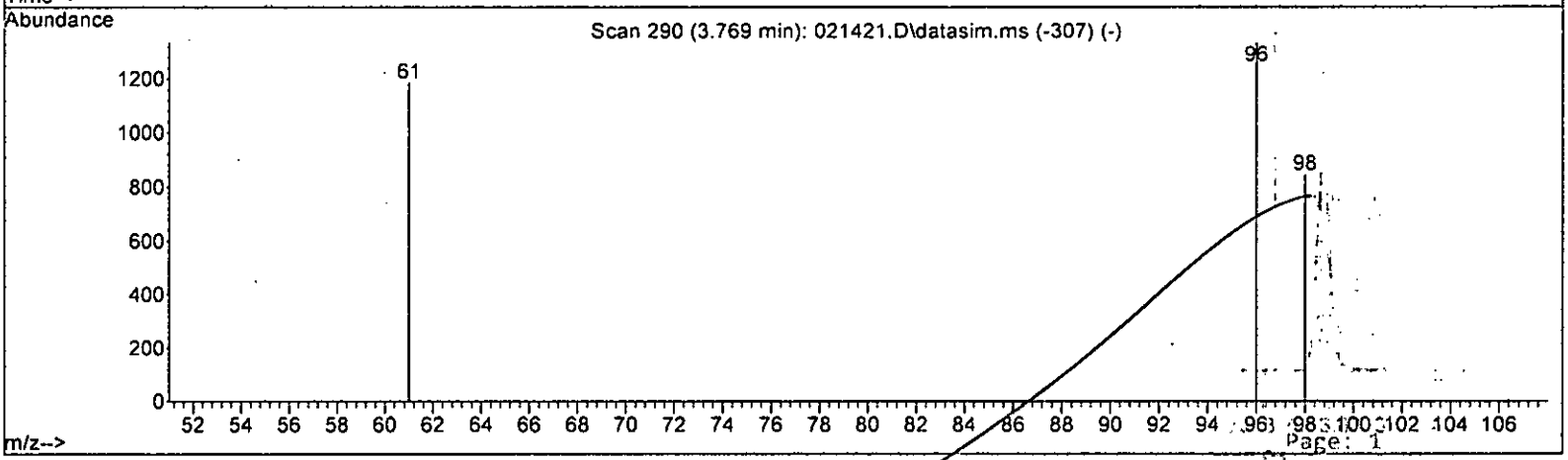
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.769min (-0.000) 1.245 ppb

response 2593

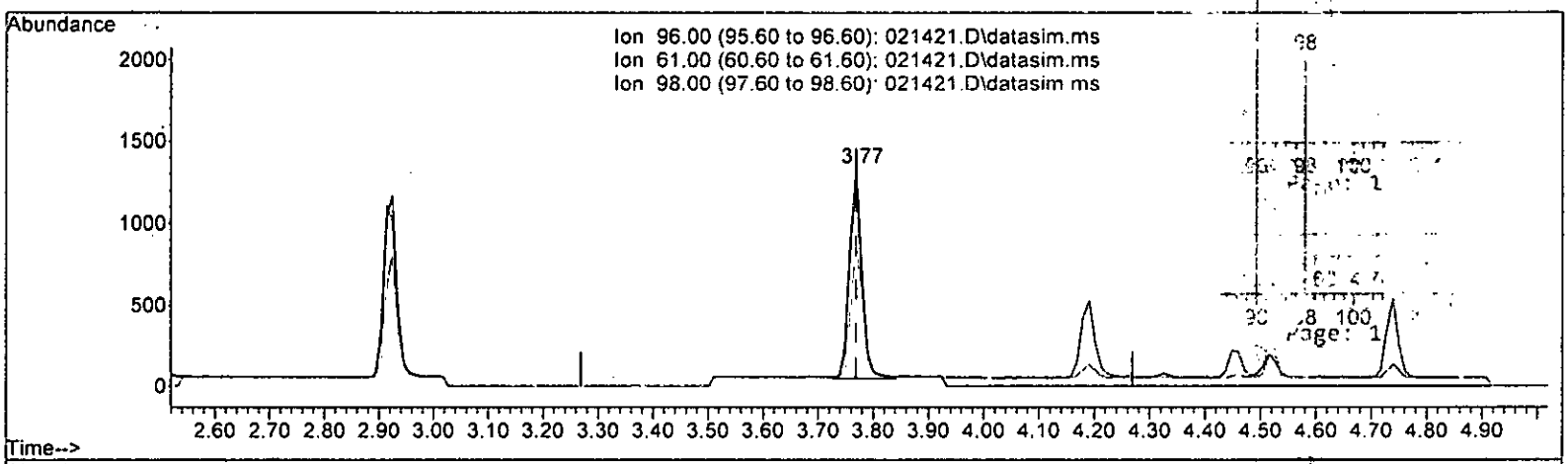
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	88.70
98.00	63.00	63.25
0.00	0.00	0.00

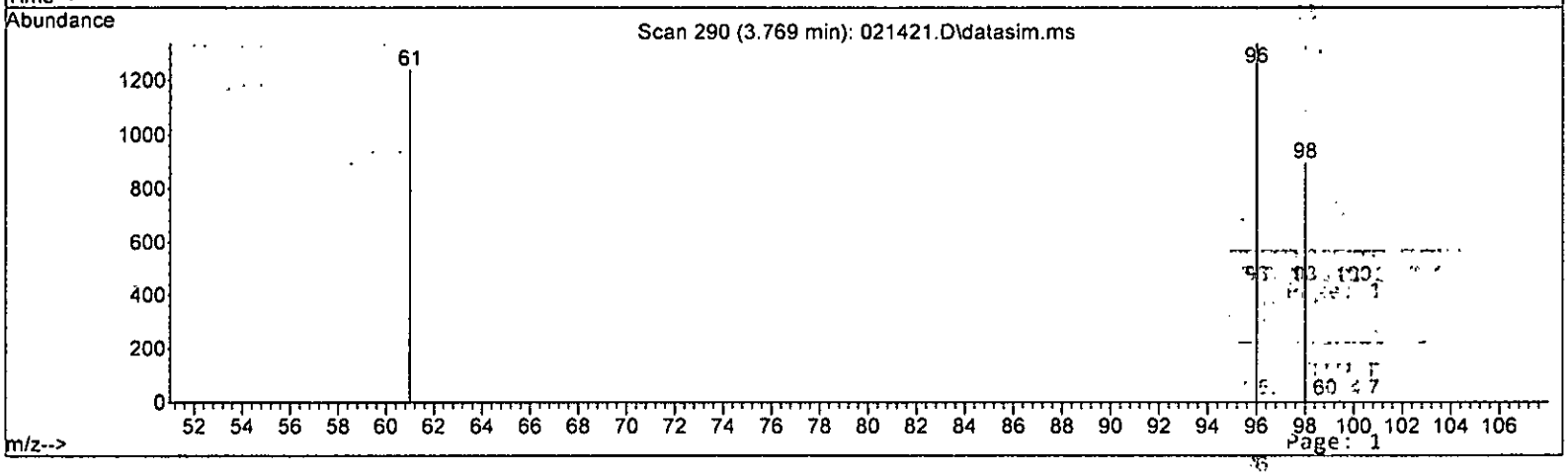
VB021423ms13.M Wed Feb 15 10:59:56 2023 Page: 1

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)
3.769min (-0.000) 0.951 ppb m
response 1981

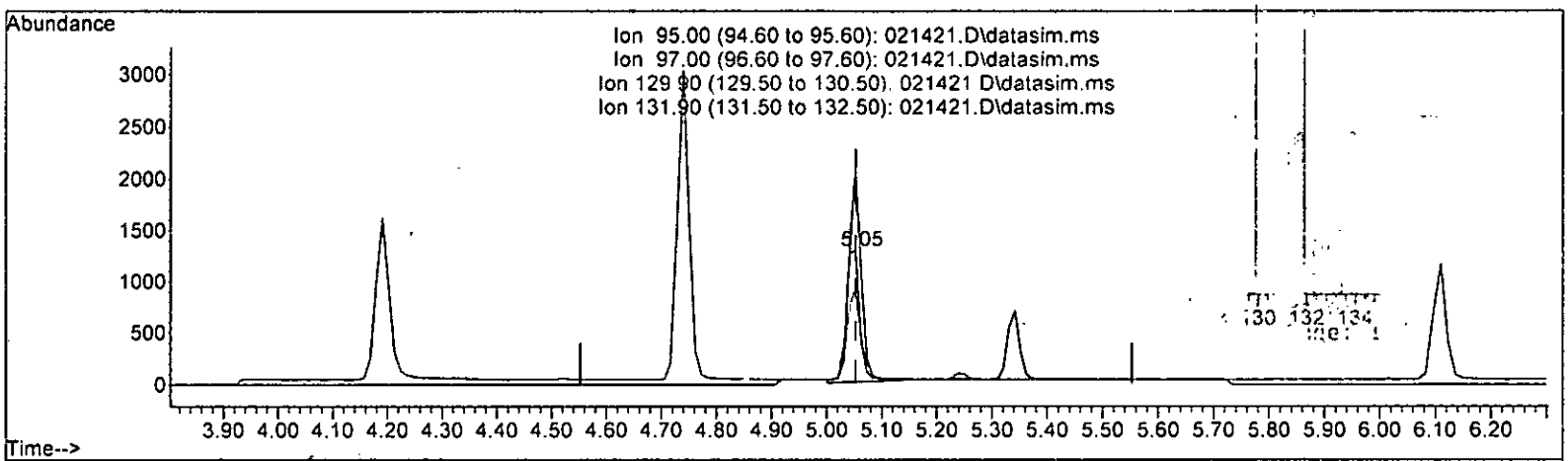
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	92.66
98.00	63.00	67.07
0.00	0.00	0.00

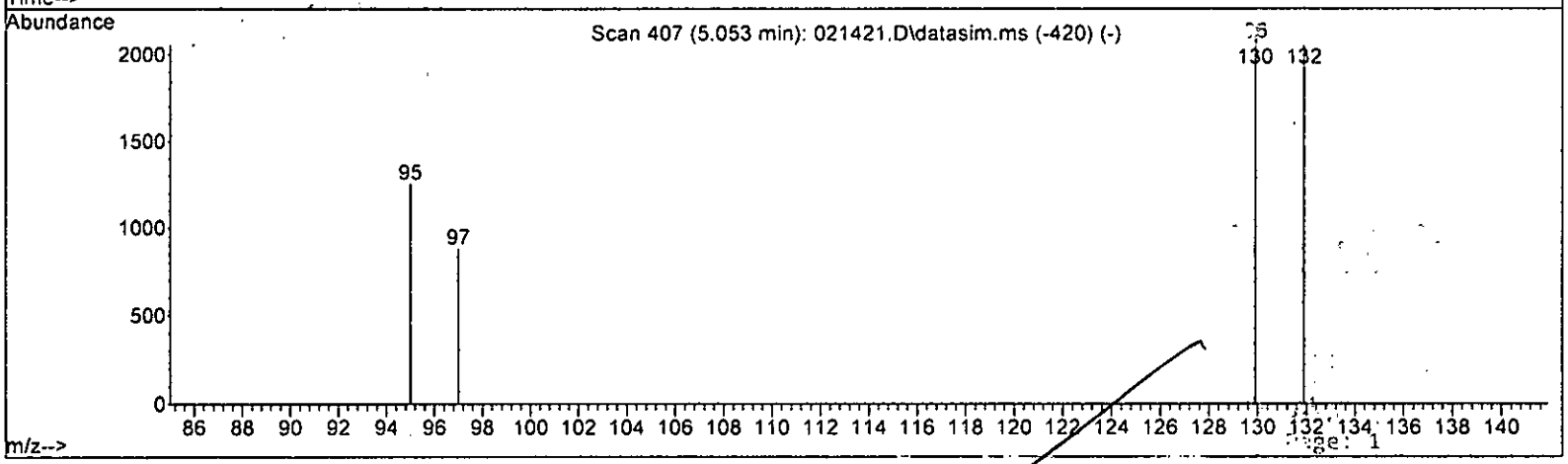
m 2 4/15

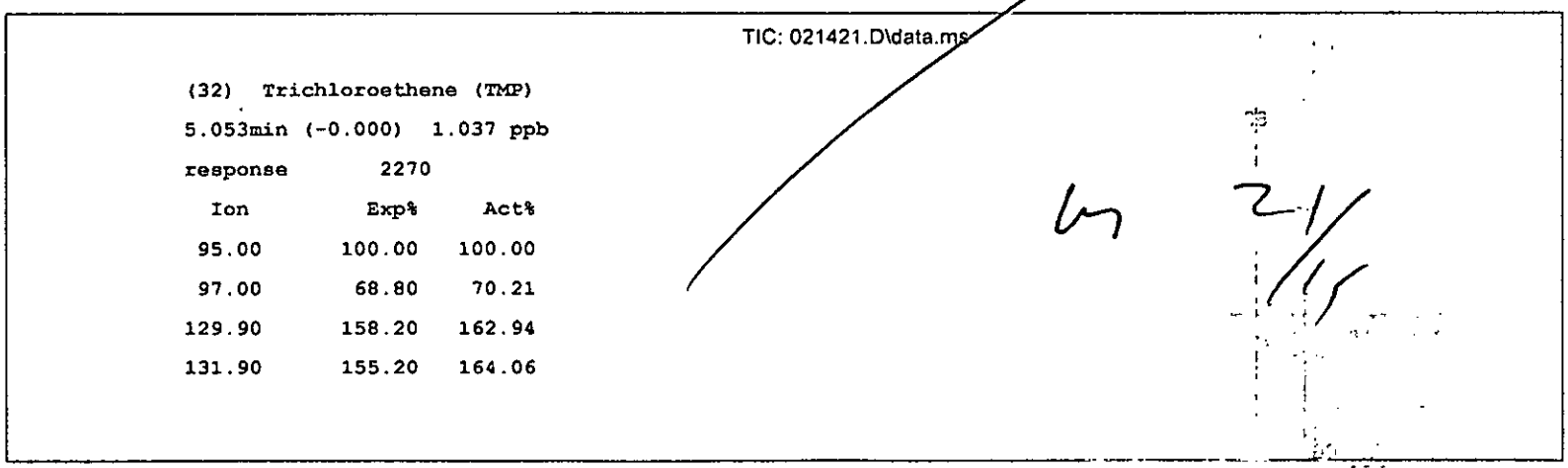
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







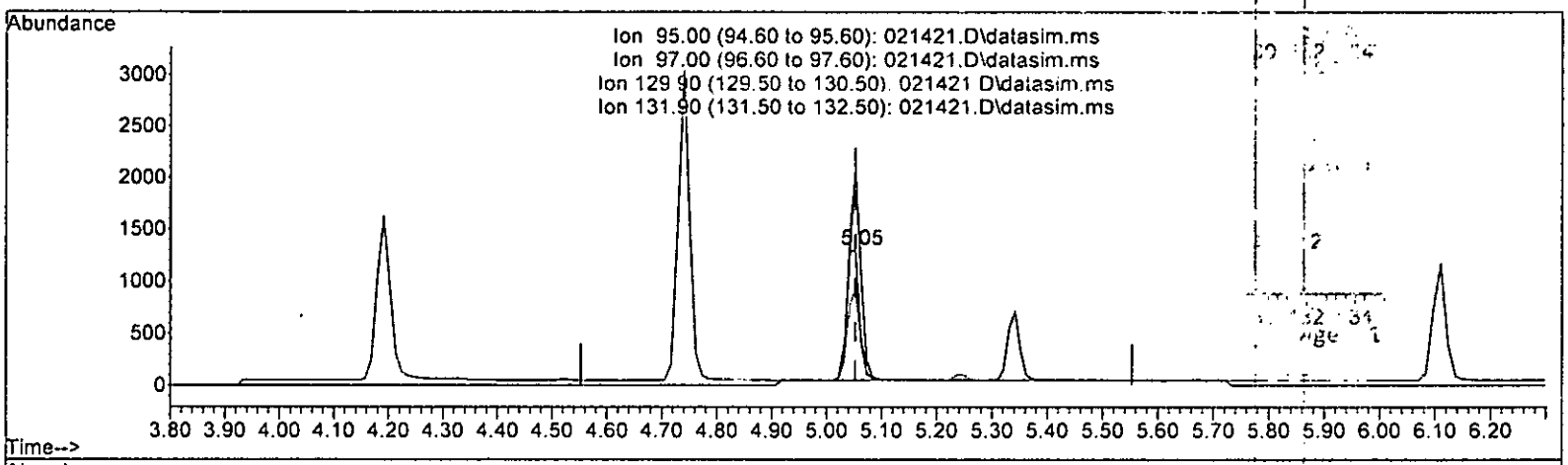
(32) Trichloroethene (TMP)
5.053min (-0.000) 1.037 ppb
response 2270

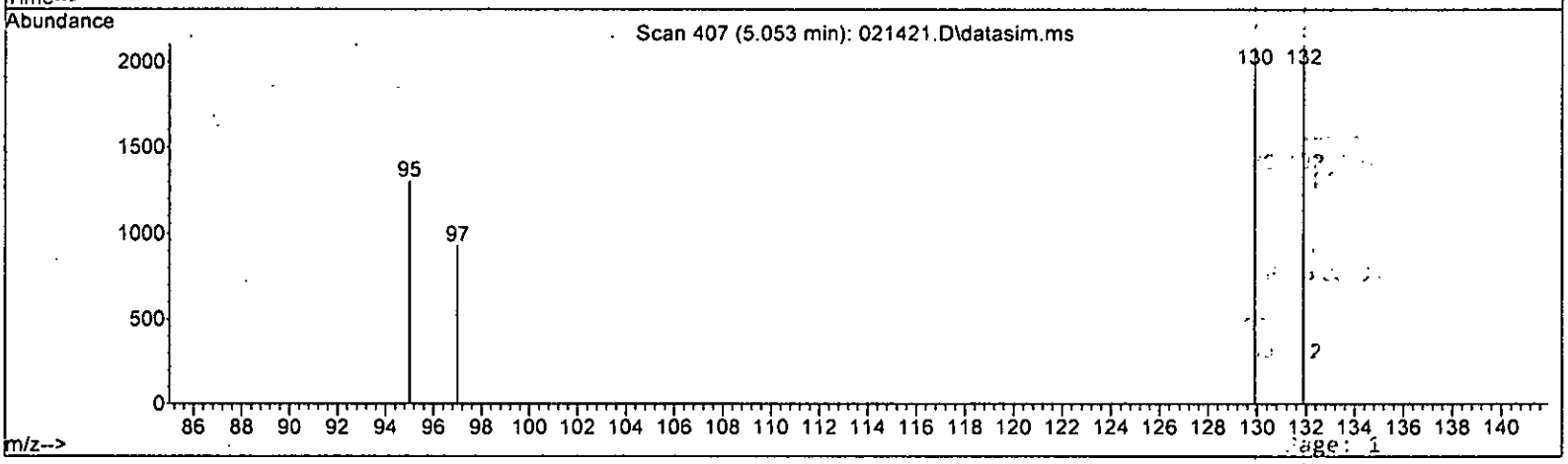
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.21
129.90	158.20	162.94
131.90	155.20	164.06

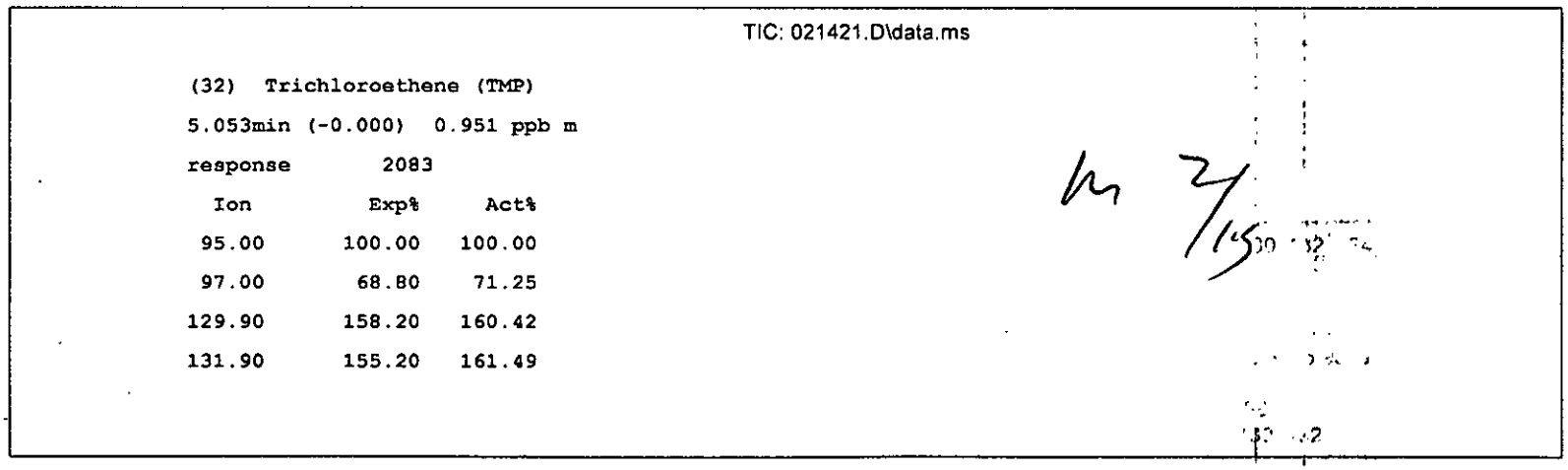
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(32) Trichloroethene (TMP)
5.053min (-0.000) 0.951 ppb m
response 2083

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	71.25
129.90	158.20	160.42
131.90	155.20	161.49

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.562	4.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.949	5.1	112	0.00
5	TMP	Chloromethane	1.000	0.980	2.0	100	0.00
6	TMP	Vinyl chloride	1.000	0.936	6.4	110	-0.01
7	TMP	Bromomethane	1.000	0.000	100.0#	0	-1.57#
8	TMP	Chloroethane	1.000	0.938	6.2	106	-0.01
9	TMP	Trichlorofluoromethane	1.000	0.998	0.2	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	5.000	4.783	4.3	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.907	9.3	101	0.00
13	TMP	Hexane	1.000	0.918	8.2	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	5.000	4.661	6.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.000	0.925	7.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	0.934	6.6	102	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.885	11.5	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.948	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.986	1.4	100	-0.01
21	TMP	2,2-Dichloropropane	1.000	0.978	2.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.951	4.9	102	0.00
23	TMP	Chloroform	1.000	0.996	0.4	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.395	12.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.003	-0.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.997	0.3	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.947	5.3	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.946	5.4	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.898	10.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.701	3.0	100	0.00
31	TMP	Benzene	1.000	0.966	3.4	100	0.00
32	TMP	Trichloroethene	1.000	0.951	4.9	99	0.00
33	TMP	1,2-Dichloropropane	1.000	1.010	-1.0	100	0.00
34	TMP	Bromodichloromethane	1.000	0.894	10.6	100	0.00
35	S	Toluene-d8	10.000	9.183	8.2	100	0.00
36	TMP	Dibromomethane	1.000	0.936	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	4.600	8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.972	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.017	-1.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	0.895	10.5	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.015	-1.5	100	-0.01
43	TMP	2-Hexanone	5.000	4.915	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	1.014	-1.4	100	0.00
45	TMP	Tetrachloroethene	1.000	1.042	-4.2	100	0.00
46	TMP	Dibromochloromethane	1.000	0.951	4.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.981	1.9	100	0.00
48	TMP	Chlorobenzene	1.000	1.021	-2.1	100	0.00
49	TMP	Ethylbenzene	1.000	1.018	-1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.999	0.1	100	0.00
51	TMP	m,p-Xylene	2.000	2.064	-3.2	100	0.00
52	TMP	o-Xylene	1.000	1.023	-2.3	100	0.00
53	TMP	Styrene	1.000	1.015	-1.5	100	0.00
54	TMP	Isopropylbenzene	1.000	0.991	0.9	100	0.00
55	TMP	Bromoform	1.000	0.941	5.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.128	-1.3	100	0.00
58	TMP	n-Propylbenzene	1.000	1.014	-1.4	100	0.00
59	TMP	Bromobenzene	1.000	1.041	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.051	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	1.045	-4.5	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.166	-16.6	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.097	-9.7	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.981	1.9	100	0.00
65	TMP	tert-Butylbenzene	1.000	1.030	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.983	1.7	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.015	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.971	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.035	-3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	0.899	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.933	6.7	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.960	4.0	100	0.00
75	TMP	Naphthalene	1.000	0.957	4.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.990	1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.299	4.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.693	5.1	112	0.00
5	TMP	Chloromethane	0.500	0.490	2.0	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	110	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.224	9.3	106	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.317	0.2	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.026	-4.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.399	9.3	101	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.511	7.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.266	6.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.426#	11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.310	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.225	4.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.287	5.0	102	0.00
23	TMP	Chloroform	0.430	0.428	0.5	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.078	12.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.518	-0.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.287	4.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.414	5.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.277	5.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.396	14.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	0.876	0.822	6.2	100	0.00
32	TMP	Trichloroethene	0.338	0.302	10.7	99	0.00
33	TMP	1,2-Dichloropropane	0.173	0.175	-1.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.277	7.7	100	0.00
35	S	Toluene-d8	0.931	0.855	8.2	100	0.00
36	TMP	Dibromomethane	0.171	0.161	5.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.287	7.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.727	4.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.283	10.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.206	-1.5	100	-0.01
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.344	-1.2	100	0.00
45	TMP	Tetrachloroethene	0.452	0.451	0.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.416	4.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.325	1.8	100	0.00
48	TMP	Chlorobenzene	0.967	0.987	-2.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.307	1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.584	1.0	100	0.00
52	TMP	o-Xylene	0.566	0.561	0.9	100	0.00
53	TMP	Styrene	0.855	0.867	-1.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.381	0.9	100	0.00
55	TMP	Bromoform	0.295	0.277	6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.405	-1.4	100	0.00
59	TMP	Bromobenzene	0.857	0.892	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.045	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.491#	-3.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.425#	-16.4	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.543	-10.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.576	1.9	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.115	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.957	1.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.569	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.422	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.614	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.550	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.504	-3.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.576	4.0	100	0.00
75	TMP	Naphthalene	1.920	1.665	13.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.779	9.4	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	69009	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57563	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32787	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20604	9.562	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 95.60%				
30) 1,2-Dichloroethane-d4	4.45	102	4150	9.701	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 97.00%				
35) Toluene-d8	6.11	98	59006	9.183	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 91.80%				
57) 4-Bromofluorobenzene	8.51	95	20474	10.128	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.30%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	4781m	0.949	ppb		
5) Chloromethane	1.25	50	3381	0.980	ppb		83
6] Vinyl chloride	1.32	62	3561	0.936	ppb		95
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1544m	0.938	ppb		
9) Trichlorofluoromethane	1.83	101	9088m	0.998	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	886	4.783	ppb		89
12] 1,1-Dichloroethene	2.27	96	2754m	0.907	ppb		
13) Hexane	3.16	57	1460	0.918	ppb		97
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.81	59	667	4.661	ppb		89
16] Methyl t-butyl ether (...	2.93	73	3526m	0.925	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1833m	0.934	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	2939	0.885	ppb		89
19] 1,1-Dichloroethane	3.27	63	2138	0.948	ppb		97
20) Ethyl t-butyl ether (E...	3.65	87	1712	0.986	ppb		86
21) 2,2-Dichloropropane	3.76	77	1554	0.978	ppb		89
22] cis-1,2-Dichloroethene	3.77	96	1981m	0.951	ppb		
23) Chloroform	4.04	83	2952	0.996	ppb		96
24) 2-Butanone (MEK)	3.79	43	2702	4.395	ppb		55
25) t-Amyl methyl ether (T...	4.61	73	3574	1.003	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	1981	0.997	ppb		98
27] 1,1,1-Trichloroethane	4.19	97	2854	0.947	ppb		97
28) 1,1-Dichloropropene	4.33	75	1914	0.946	ppb		95
29) Carbon tetrachloride	4.33	117	2730	0.898	ppb		97
31] Benzene	4.50	78	5673	0.966	ppb		98
32] Trichloroethene	5.05	95	2083m	0.951	ppb		
33) 1,2-Dichloropropane	5.24	63	1205	1.010	ppb	#	80
34) Bromodichloromethane	5.48	83	1911	0.894	ppb		97
36) Dibromomethane	5.34	93	1108	0.936	ppb		91

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

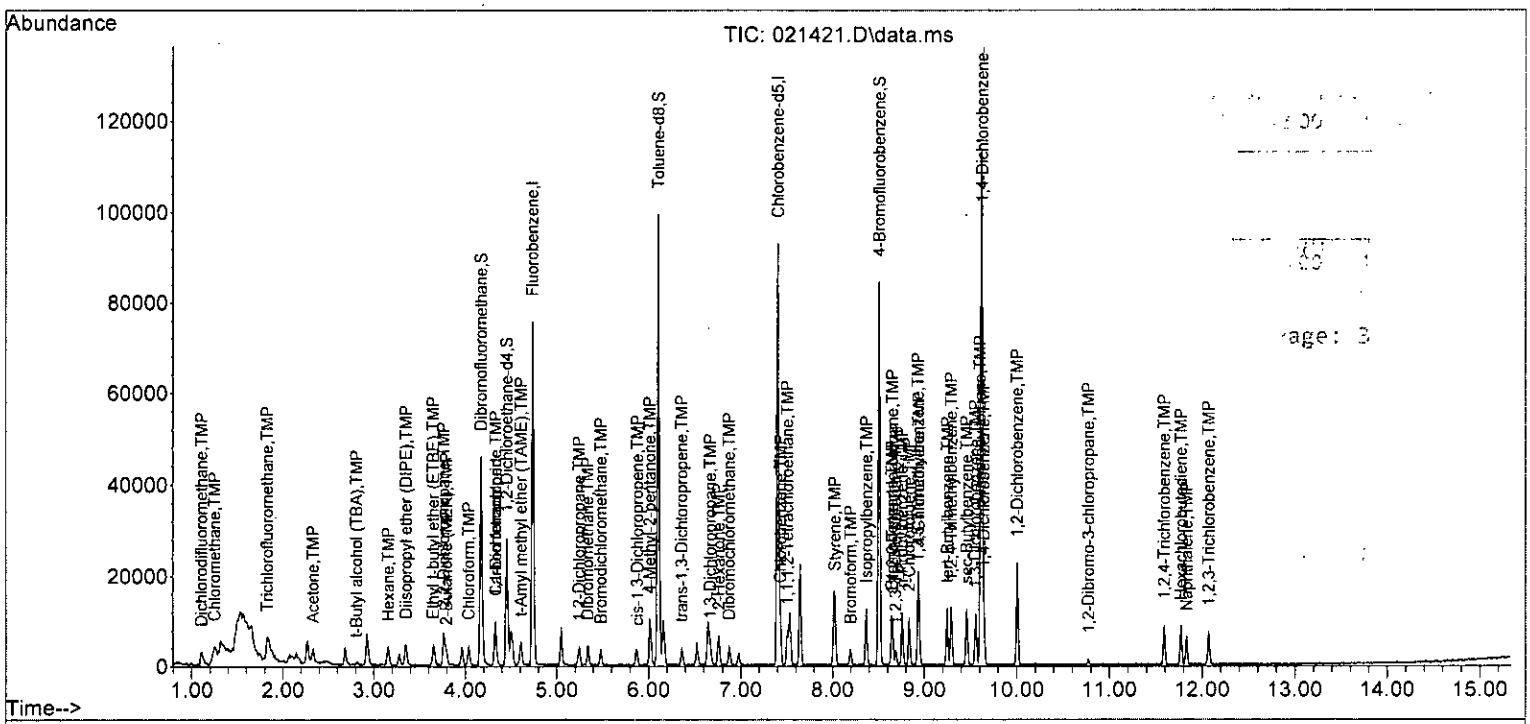
Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

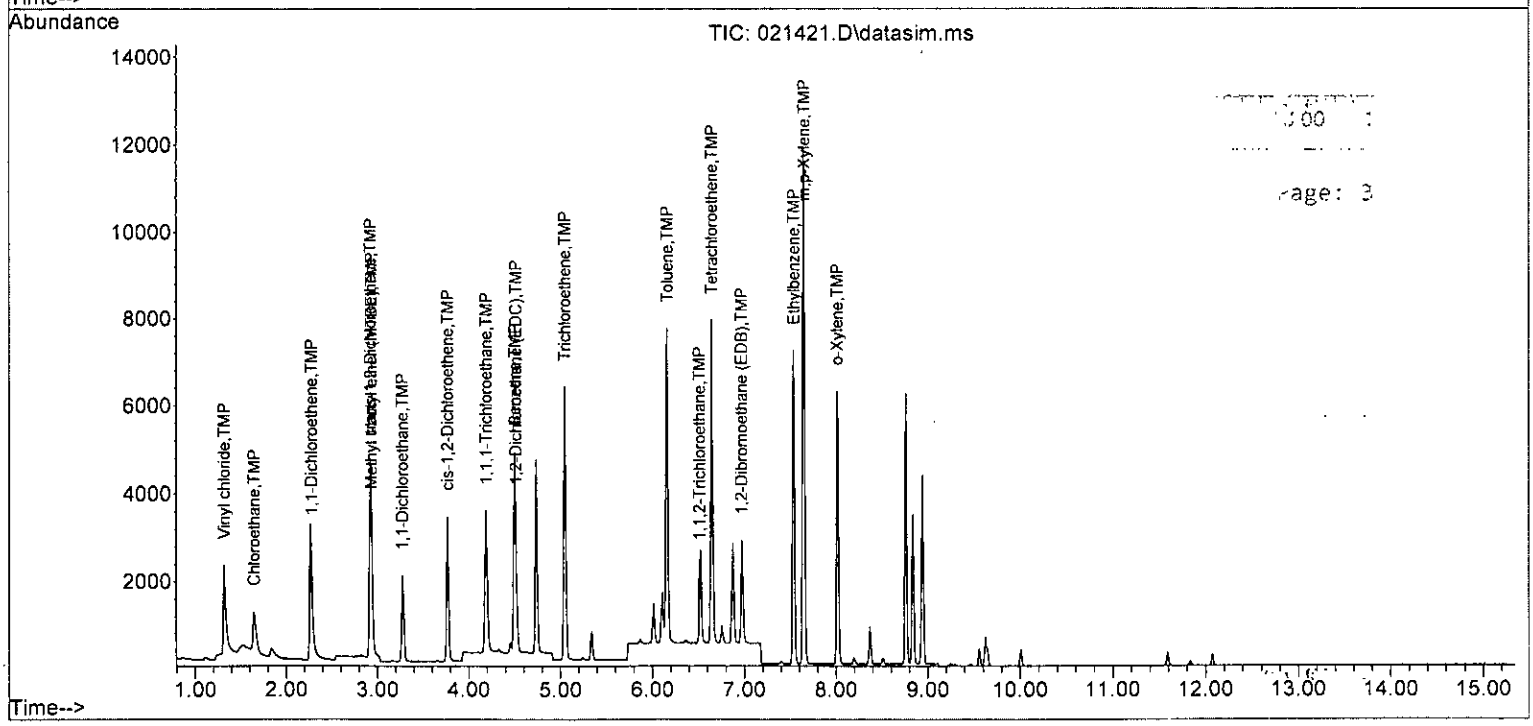
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	1364	4.600	ppb		99
38) cis-1,3-Dichloropropene	5.88	75	1981	0.972	ppb		97
40] Toluene	6.16	92	4185	1.017	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	1629	0.895	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	1185	1.015	ppb	#	69
43) 2-Hexanone	6.76	43	4084	4.915	ppb		94
44) 1,3-Dichloropropane	6.67	76	1983	1.014	ppb		91
45] Tetrachloroethene	6.65	164	2596	1.042	ppb		99
46) Dibromochloromethane	6.87	129	2394	0.951	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	1869	0.981	ppb		100
48) Chlorobenzene	7.43	112	5683	1.021	ppb		97
49] Ethylbenzene	7.54	91	7523	1.018	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	2247	0.999	ppb		93
51] m,p-Xylene	7.65	106	6725	2.064	ppb		99
52] o-Xylene	8.01	106	3229	1.023	ppb	#	74
53) Styrene	8.03	104	4993	1.015	ppb		94
54) Isopropylbenzene	8.37	105	7947	0.991	ppb		98
55) Bromoform	8.20	173	1595	0.941	ppb		95
58) n-Propylbenzene	8.76	91	7884	1.014	ppb		100
59) Bromobenzene	8.65	156	2924	1.041	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	6705	1.051	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	1611	1.045	ppb		95
62) 1,2,3-Trichloropropane	8.69	75	1395	1.166	ppb		94
63) 2-Chlorotoluene	8.84	91	5058	1.097	ppb		92
64) 4-Chlorotoluene	8.94	91	5166	0.981	ppb		98
65) tert-Butylbenzene	9.25	119	6936	1.030	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	6416	0.983	ppb		96
67) sec-Butylbenzene	9.46	105	8422	1.015	ppb		96
68) p-Isopropyltoluene	9.60	119	7942	0.971	ppb		96
69) 1,3-Dichlorobenzene	9.55	146	5292	1.052	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	5083	1.052	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	4930	1.035	ppb		96
72) 1,2-Dibromo-3-chloropr...	10.77	75	249	0.899	ppb	#	84
73) 1,2,4-Trichlorobenzene	11.59	180	2951	0.933	ppb		91
74) Hexachlorobutadiene	11.77	225	1888	0.960	ppb		92
75) Naphthalene	11.83	128	5460	0.957	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	2554	0.990	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

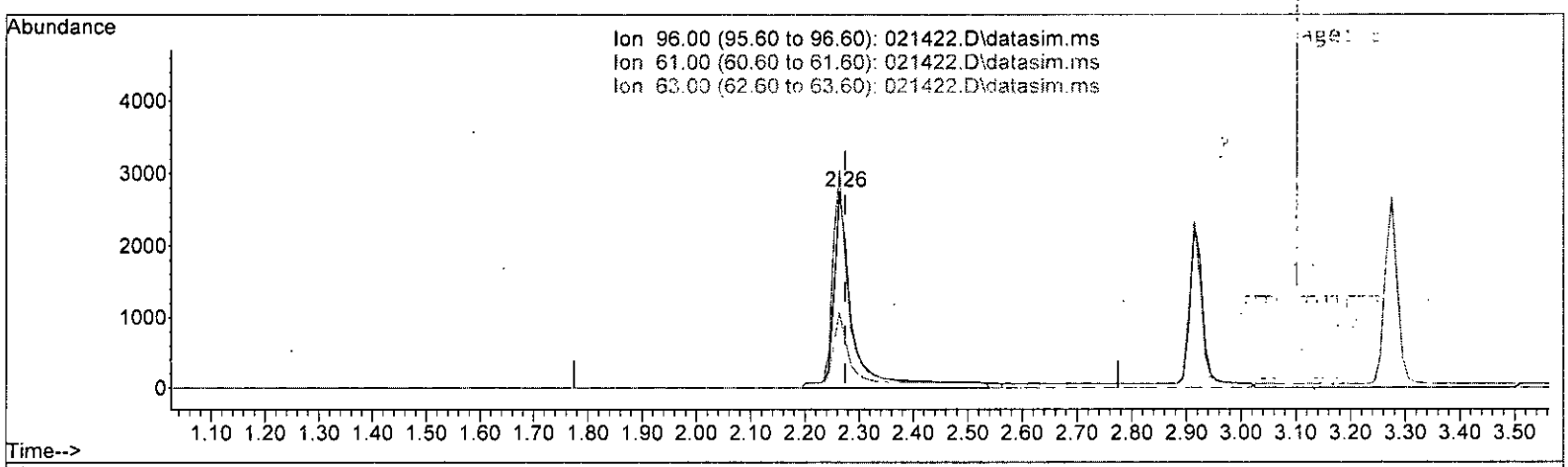


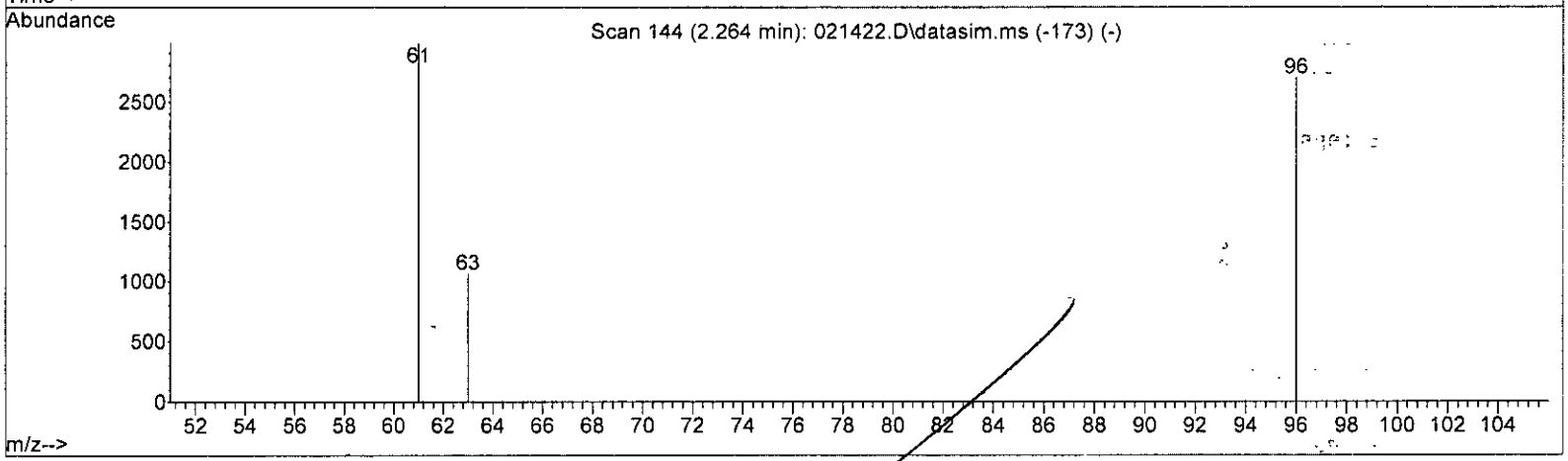


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 2.222 ppb
response 6685

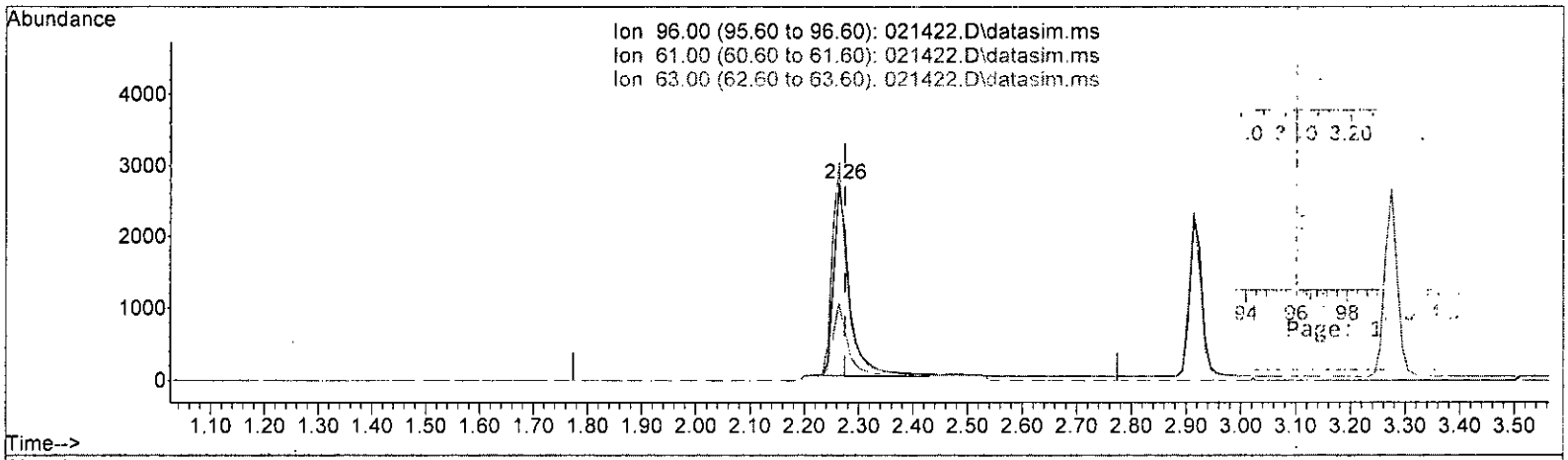
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

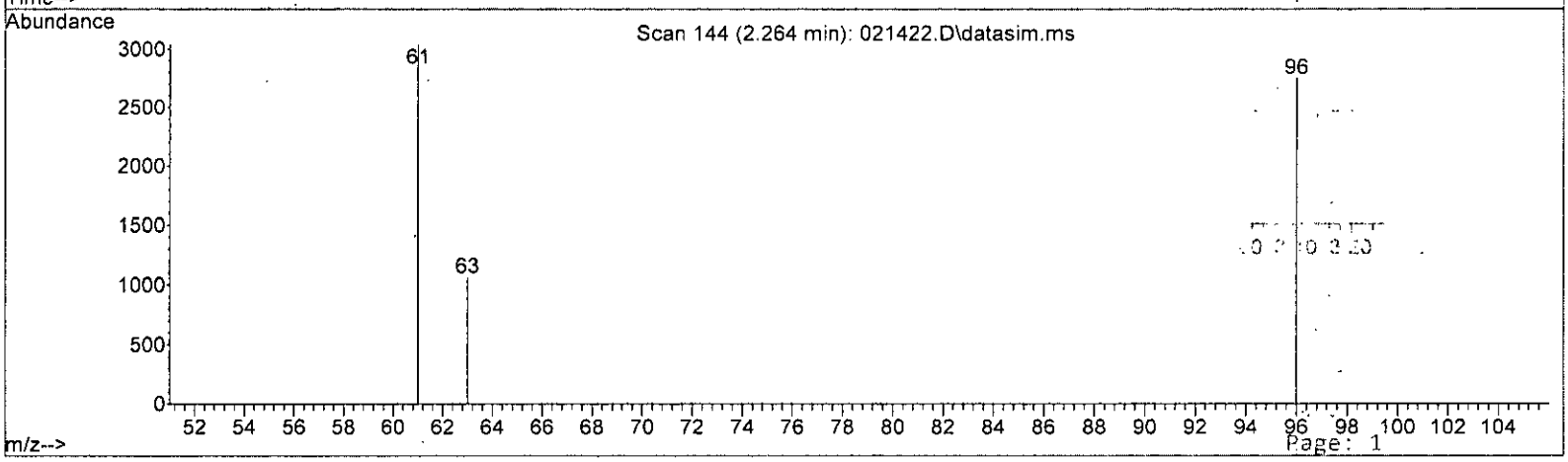
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 1.738 ppb m

response 5230

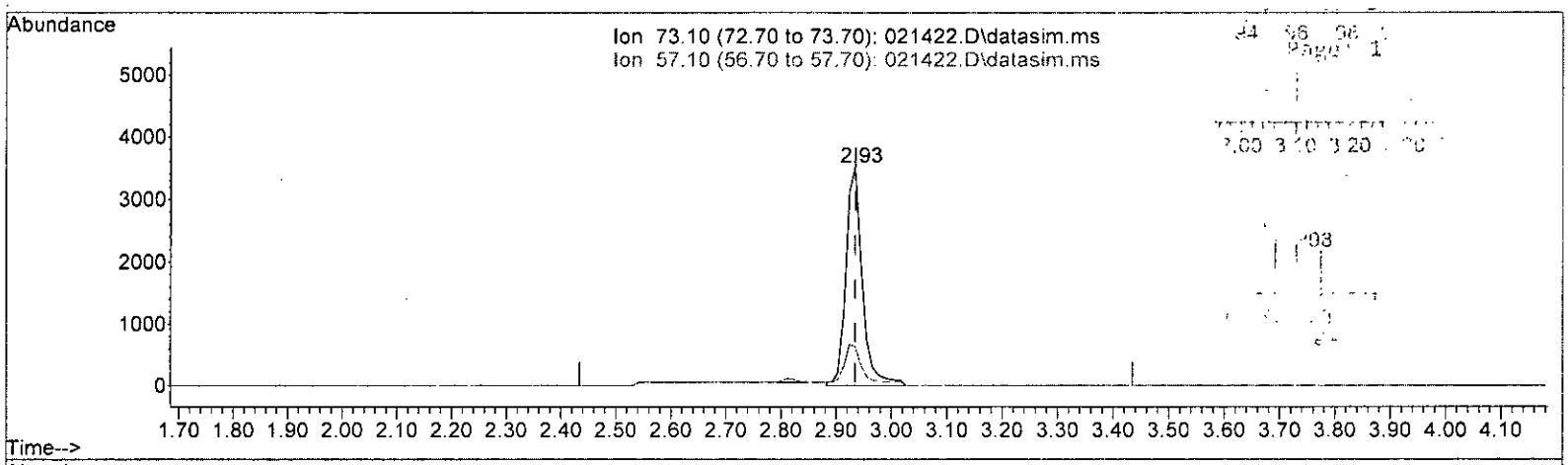
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

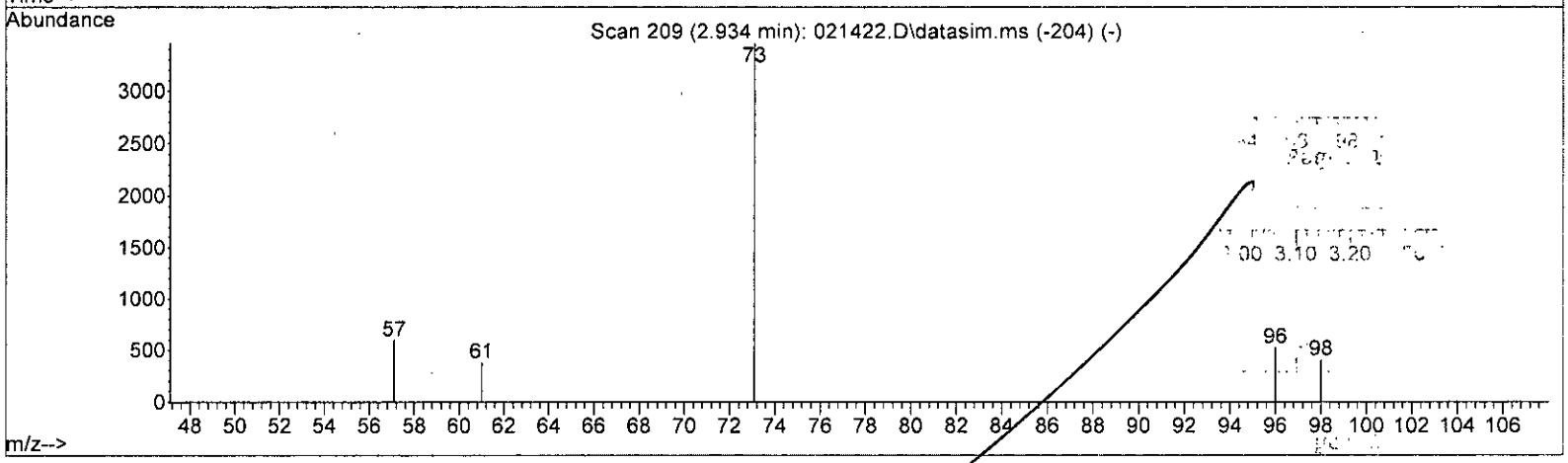
m 2/15

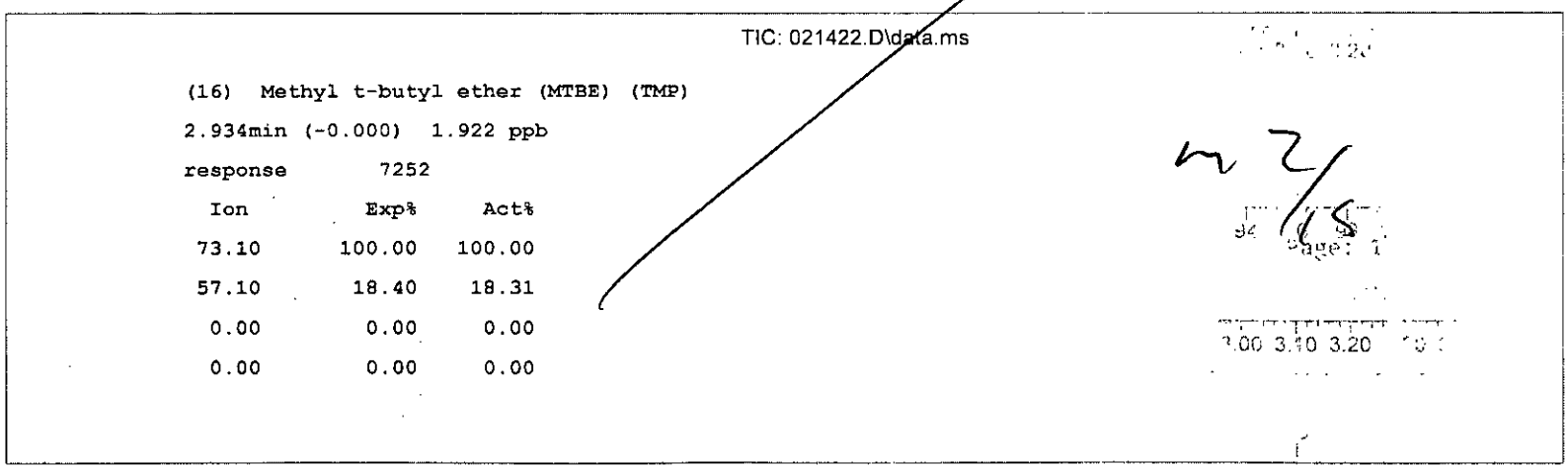
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







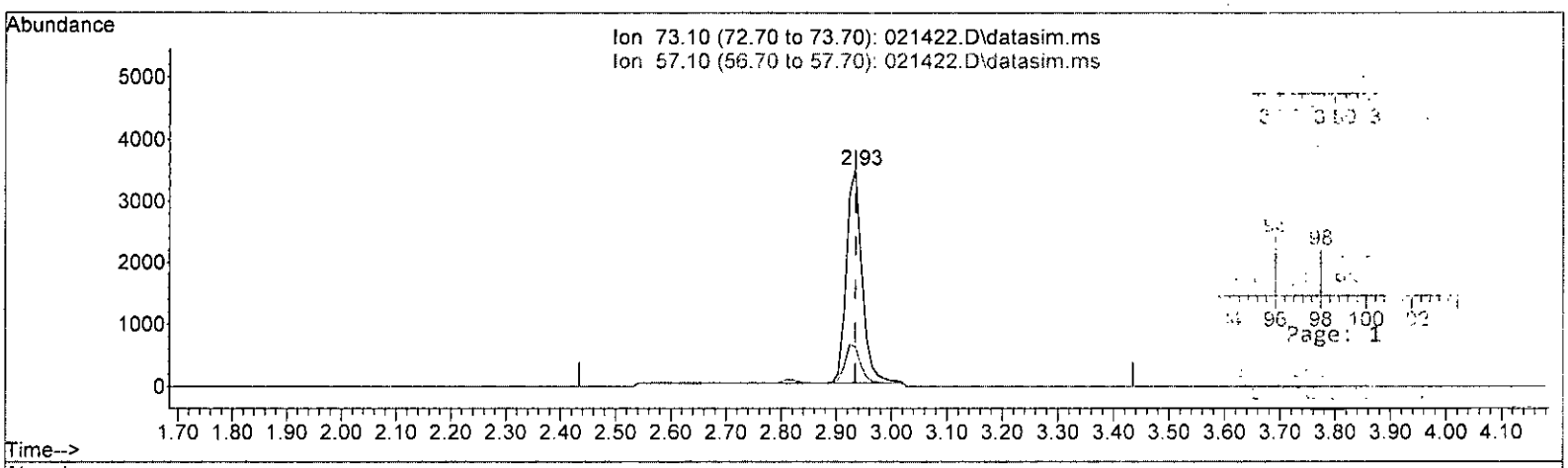
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.922 ppb
response 7252

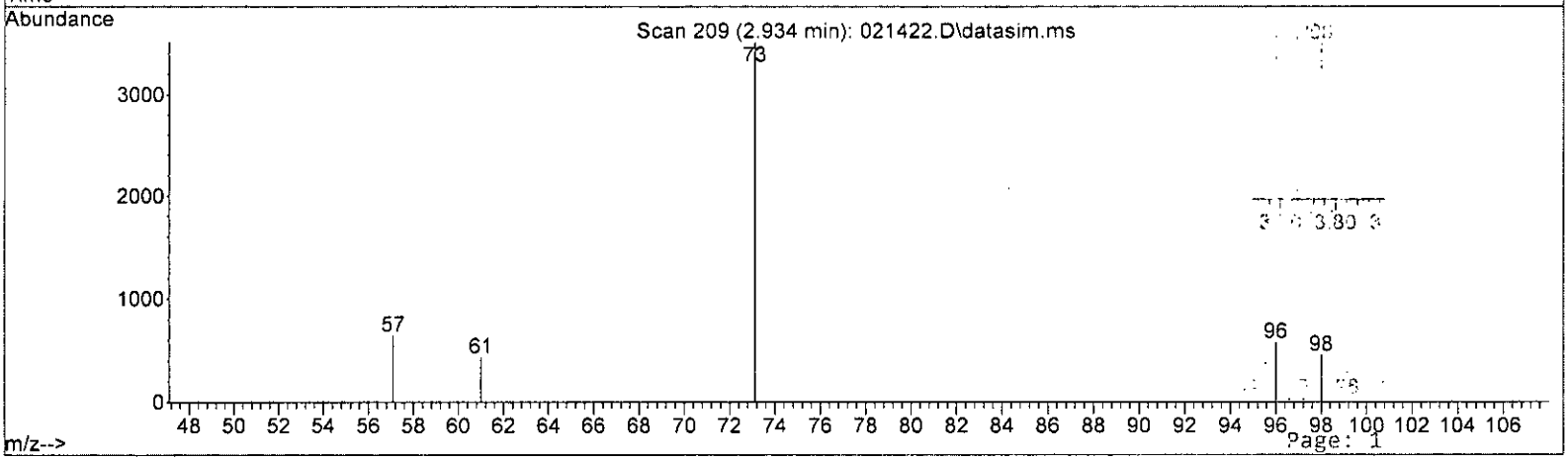
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

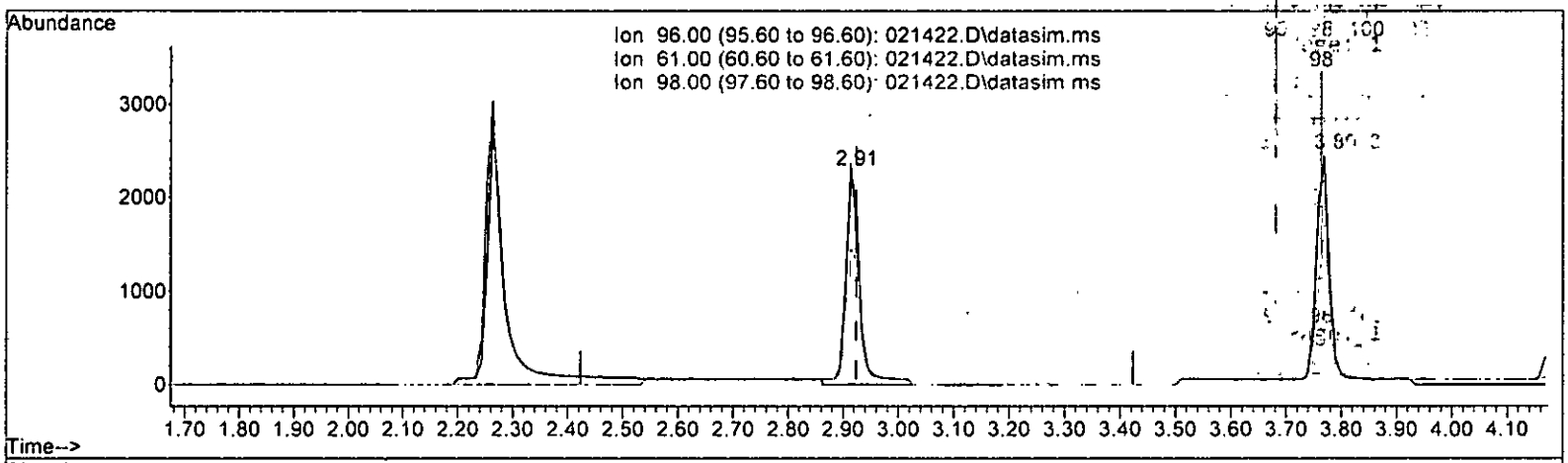
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.799 ppb m
response 6790

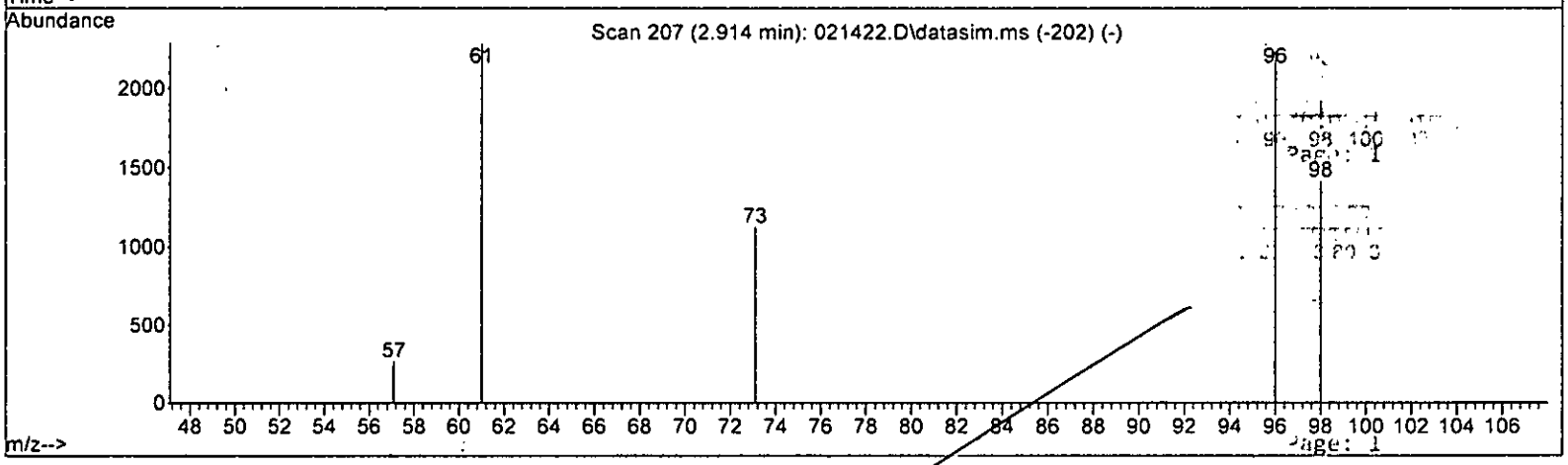
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

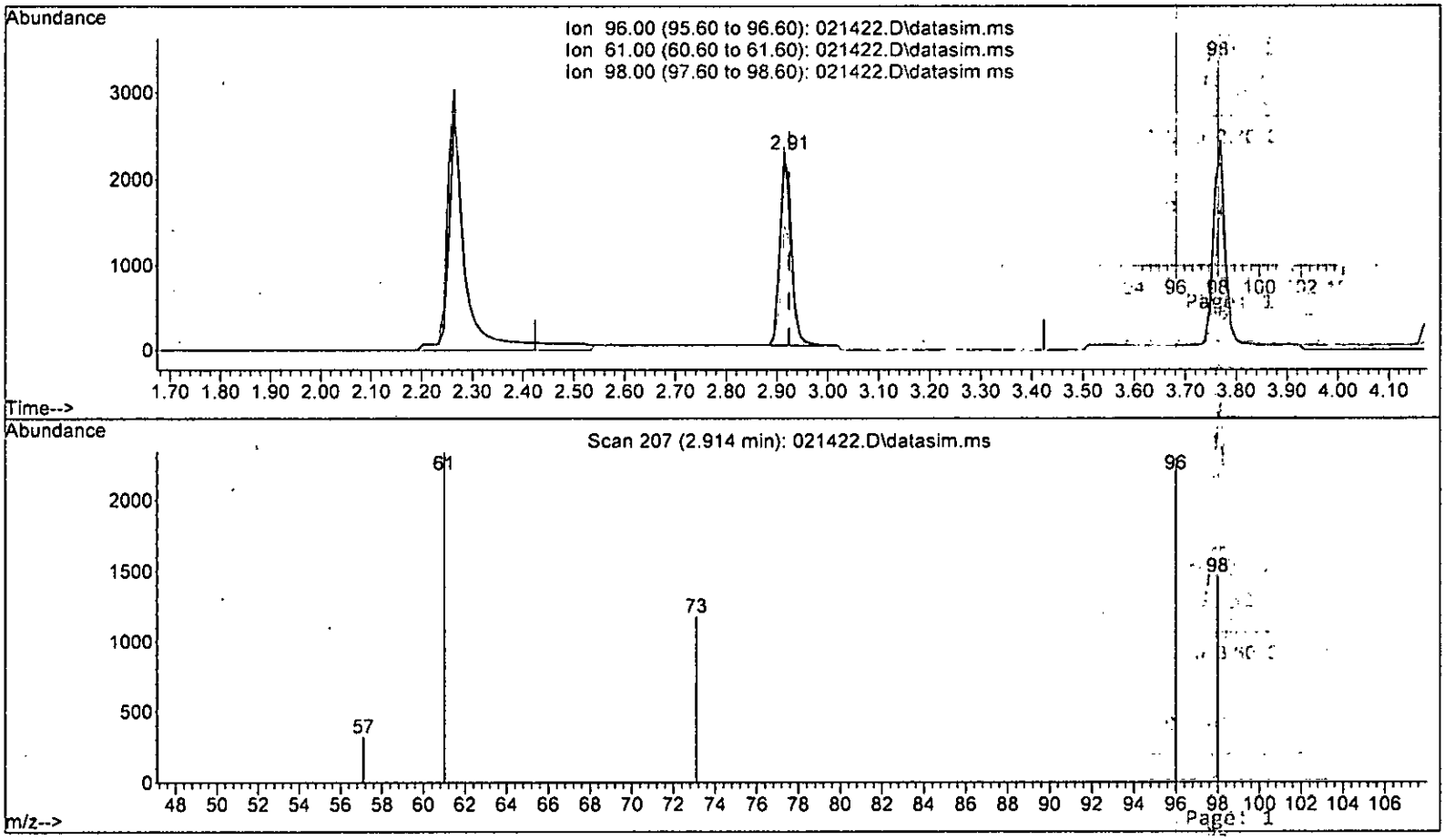
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 2.053 ppb
response 3989

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021422.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 1.805 ppb m
response 3507

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

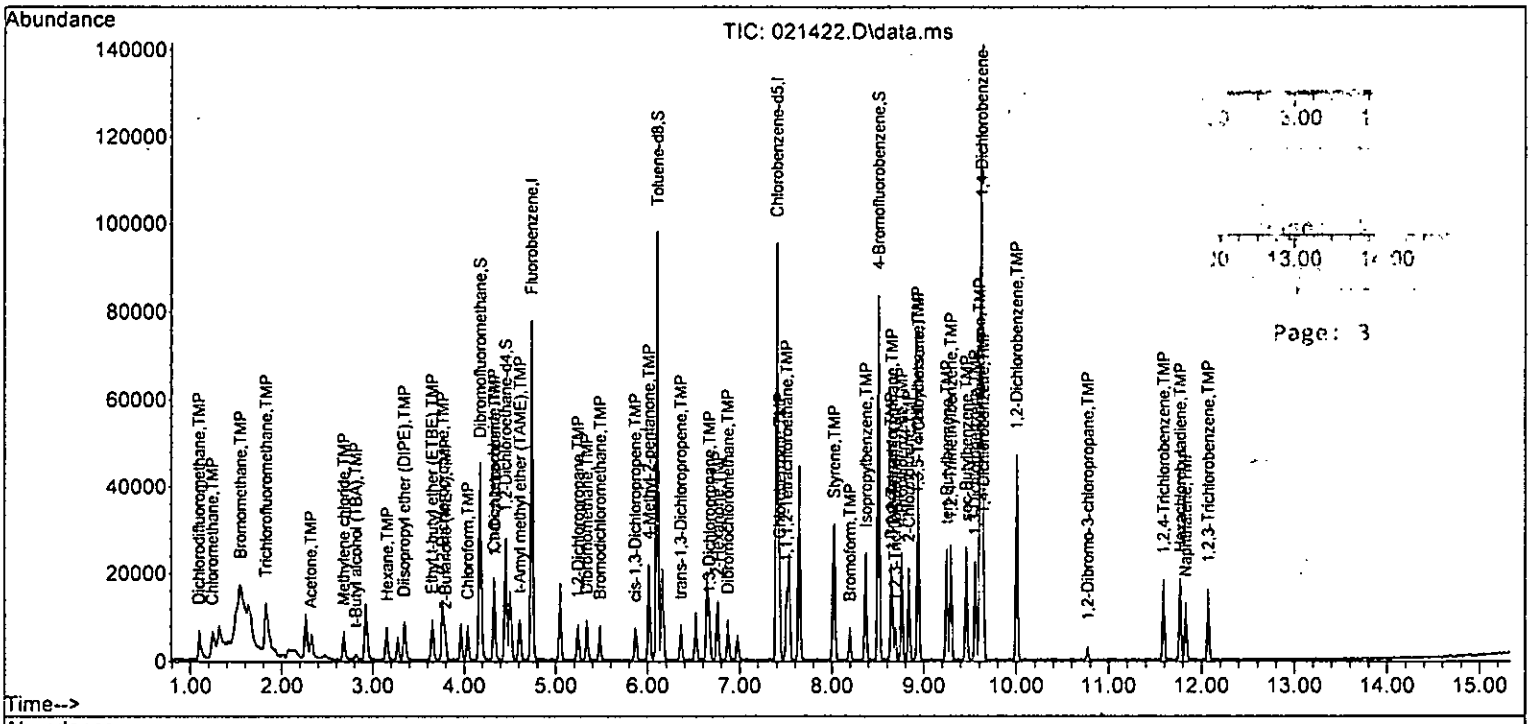
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

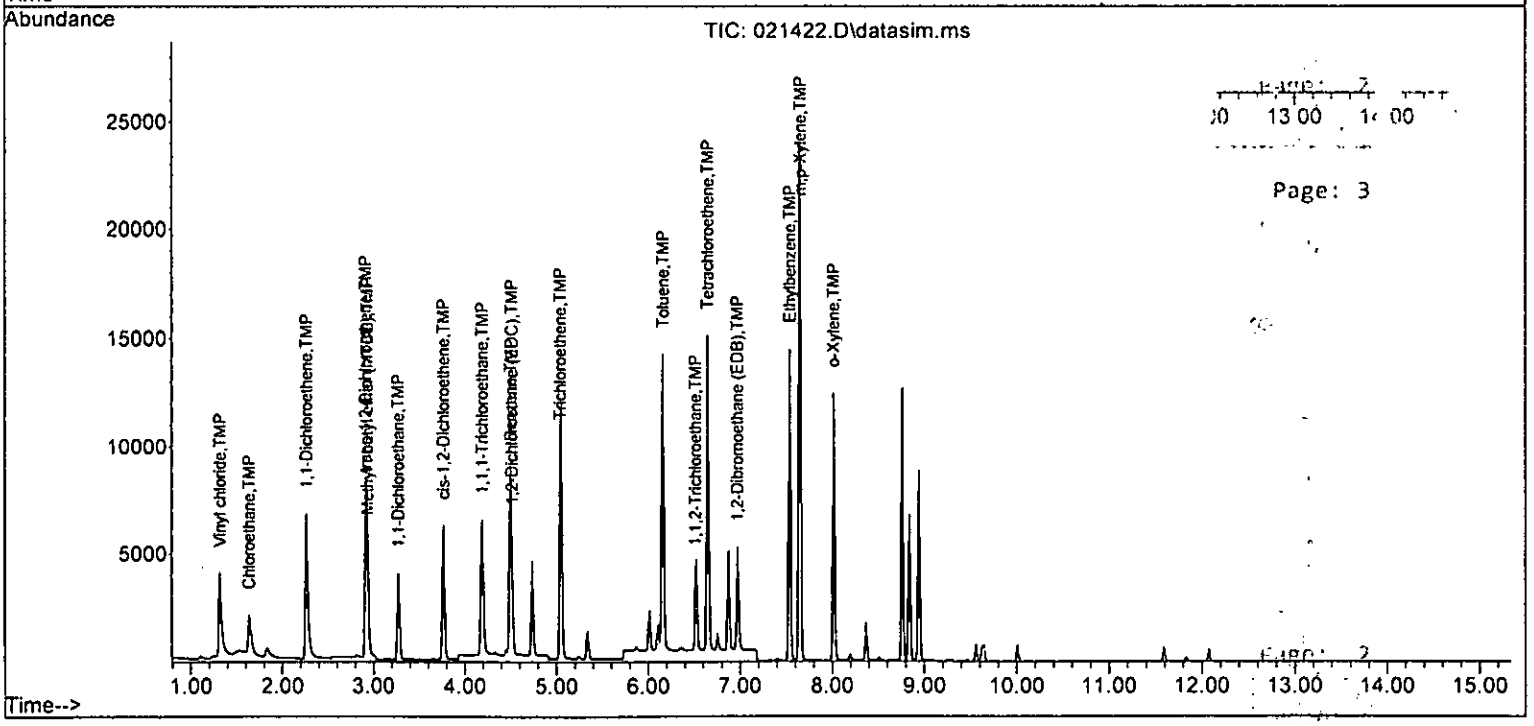
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.166	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.774	11.3	100	-0.01
5	TMP	Chloromethane	2.000	1.897	5.1	100	-0.01
6	TMP	Vinyl chloride	2.000	1.795	10.3	105	-0.01
7	TMP	Bromomethane	2.000	2.537	-26.8#	100	-0.02
8	TMP	Chloroethane	2.000	1.902	4.9	118	-0.02
9	TMP	Trichlorofluoromethane	2.000	1.721	13.9	88	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	10.000	10.341	-3.4	102	-0.01
12	TMP	1,1-Dichloroethene	2.000	1.738	13.1	101	-0.01
13	TMP	Hexane	2.000	1.894	5.3	100	0.00
14	TMP	Methylene chloride	2.000	2.210	-10.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	10.000	8.876	11.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	1.799	10.1	99	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	1.805	9.8	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	2.000	1.864	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	1.771	11.5	100	-0.01
21	TMP	2,2-Dichloropropane	2.000	1.712	14.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	1.797	10.2	100	0.00
23	TMP	Chloroform	2.000	1.797	10.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	8.819	11.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	1.892	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	1.971	1.4	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.832	8.4	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.942	2.9	100	0.00
29	TMP	Carbon tetrachloride	2.000	1.692	15.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	8.925	10.7	100	0.00
31	TMP	Benzene	2.000	1.897	5.1	100	0.00
32	TMP	Trichloroethene	2.000	1.893	5.3	100	-0.01
33	TMP	1,2-Dichloropropane	2.000	1.888	5.6	100	0.00
34	TMP	Bromodichloromethane	2.000	1.762	11.9	100	0.00
35	S	Toluene-d8	10.000	9.419	5.8	100	0.00
36	TMP	Dibromomethane	2.000	1.908	4.6	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.220	7.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	2.000	1.812	9.4	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.991	0.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.750	12.5	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	2.002	-0.1	100	-0.01
43	TMP	2-Hexanone	10.000	9.900	1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	2.049	-2.4	100	0.00
45	TMP	Tetrachloroethene	2.000	2.016	-0.8	100	0.00
46	TMP	Dibromochloromethane	2.000	1.915	4.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.929	3.5	100	0.00
48	TMP	Chlorobenzene	2.000	2.010	-0.5	100	0.00
49	TMP	Ethylbenzene	2.000	2.023	-1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.862	6.9	100	0.00
51	TMP	m,p-Xylene	4.000	4.096	-2.4	100	0.00
52	TMP	o-Xylene	2.000	2.009	-0.4	100	0.00
53	TMP	Styrene	2.000	1.997	0.1	100	0.00
54	TMP	Isopropylbenzene	2.000	1.996	0.2	100	0.00
55	TMP	Bromoform	2.000	1.805	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.995	0.1	100	0.00
58	TMP	n-Propylbenzene	2.000	2.045	-2.2	100	0.00
59	TMP	Bromobenzene	2.000	1.967	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.015	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.068	-3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.041	-2.0	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.123	-6.2	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.067	-3.4	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.995	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.969	1.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	2.027	-1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.000	1.964	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.943	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.018	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.967	1.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.877	6.2	100	0.00
73	TMP	1,2,4-Trichlorobenzene	2.000	1.832	8.4	100	0.00
74	TMP	Hexachlorobutadiene	2.000	1.965	1.7	100	0.00
75	TMP	Naphthalene	2.000	1.851	7.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.021	-1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.286	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.647	11.4	100	-0.01
5	TMP	Chloromethane	0.500	0.474	5.2	100	-0.01
6	TMP	Vinyl chloride	0.532	0.496	6.8	105	-0.01
7	TMP	Bromomethane	0.491	0.682	-38.9#	100	-0.02
8	TMP	Chloroethane	0.247	0.244	1.2	118	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.135	13.9	88	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.025	0.0	102	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.383	13.0	101	-0.01
13	TMP	Hexane	0.231	0.218	5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.018#	14.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.497#	10.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.257	9.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.477#	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.305	6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.235	8.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.205	12.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.271	10.3	100	0.00
23	TMP	Chloroform	0.430	0.386	10.2	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.079	11.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.488#	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.281	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.400	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.285	2.7	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.405	12.5	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.055	11.3	100	0.00
31	TMP	Benzene	0.876	0.805	8.1	100	0.00
32	TMP	Trichloroethene	0.338	0.299	11.5	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.284	5.3	100	0.00
35	S	Toluene-d8	0.931	0.877	5.8	100	0.00
36	TMP	Dibromomethane	0.171	0.164	4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.271	12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.707	7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.277	12.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.143	0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.435	3.8	100	0.00
46	TMP	Dibromochloromethane	0.437	0.418	4.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.972	-0.5	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.364	6.9	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.549	3.0	100	0.00
53	TMP	Styrene	0.855	0.854	0.1	100	0.00
54	TMP	Isopropylbenzene	1.393	1.390	0.2	100	0.00
55	TMP	Bromoform	0.295	0.266	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.616	0.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.425	-2.3	100	0.00
59	TMP	Bromobenzene	0.857	0.843	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.961	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.495#	-4.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.372#	-1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.456	-4.1	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.659	-3.3	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.049	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.960	1.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.565	-1.3	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.449	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.491	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.487	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.428	1.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.884	8.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.590	1.7	100	0.00
75	TMP	Naphthalene	1.920	1.622	15.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.806	6.3	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

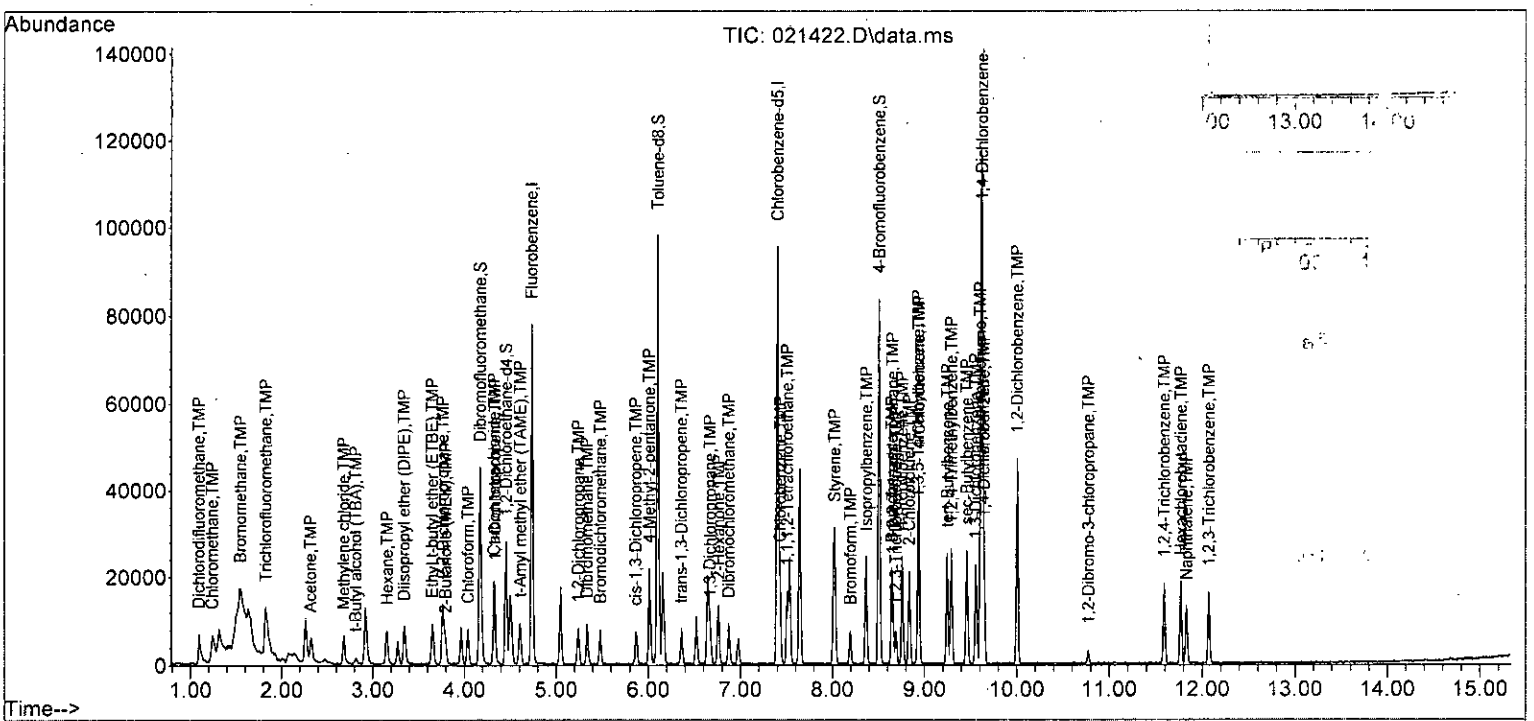
Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

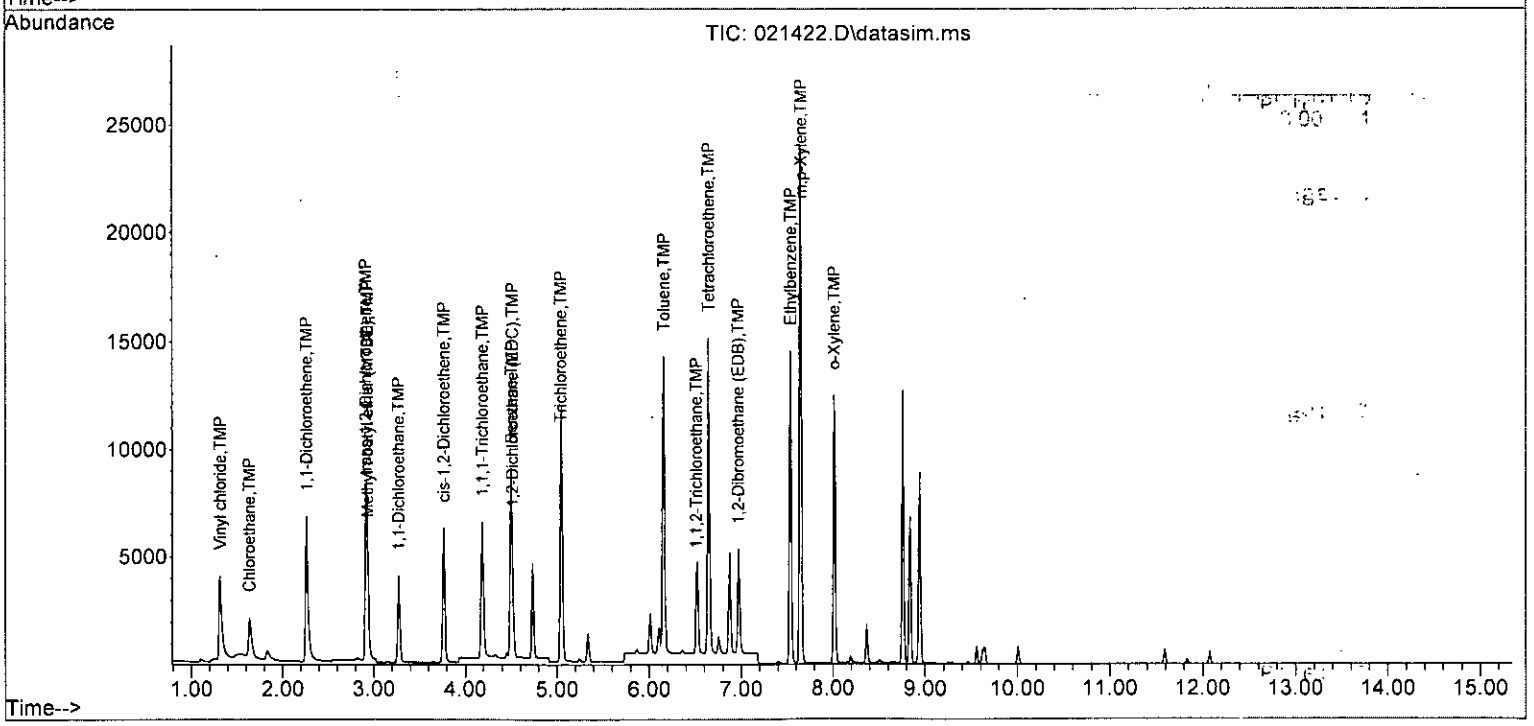
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

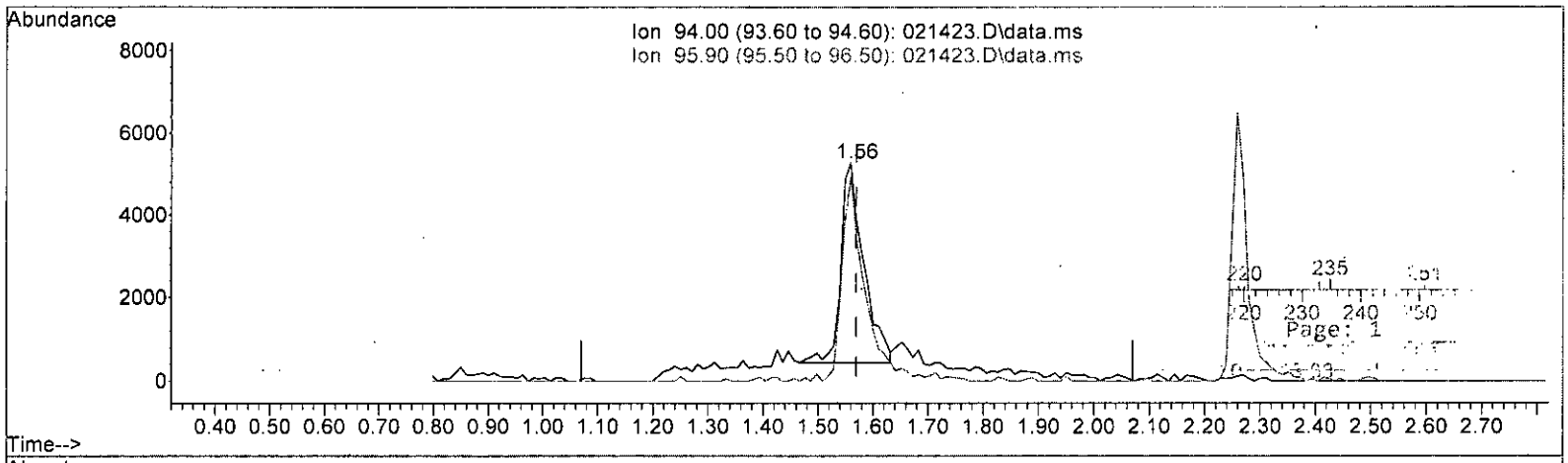


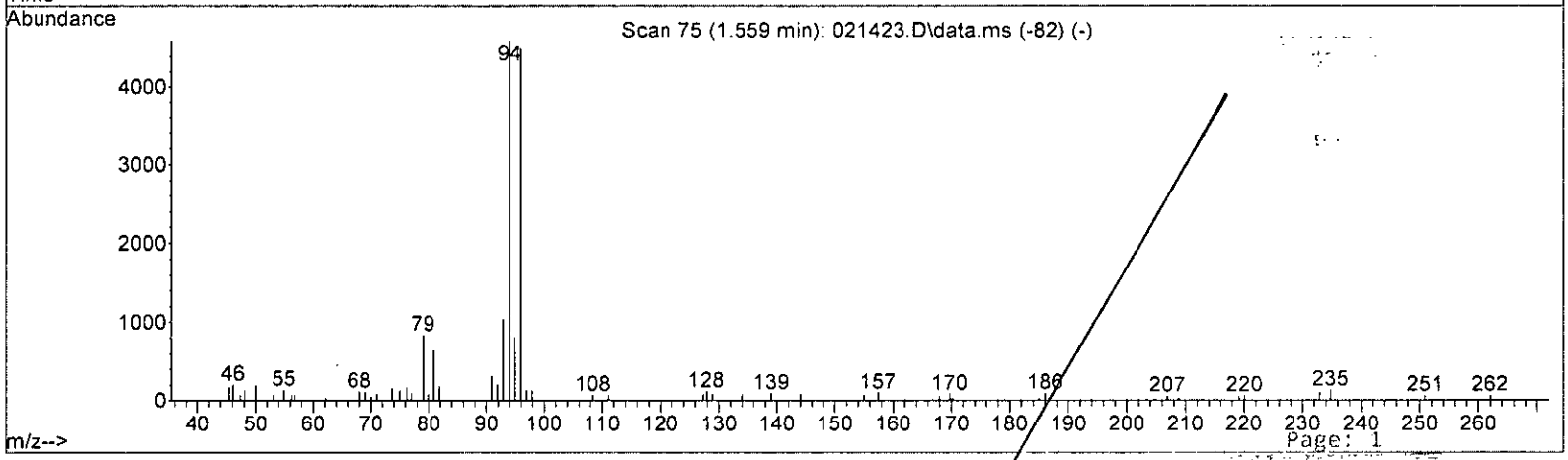


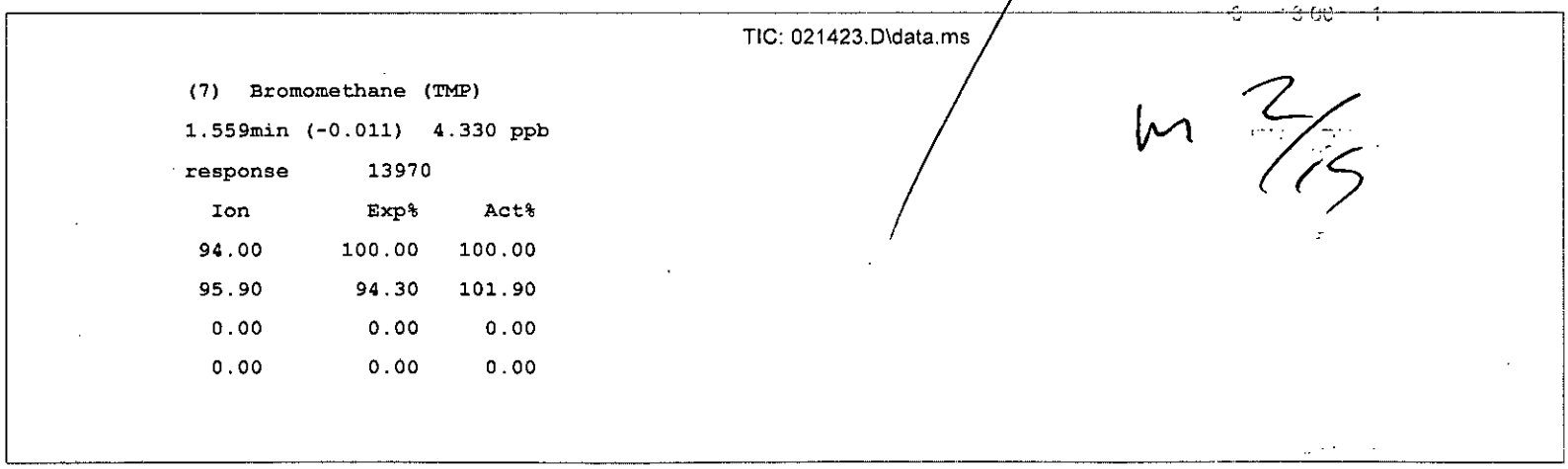
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







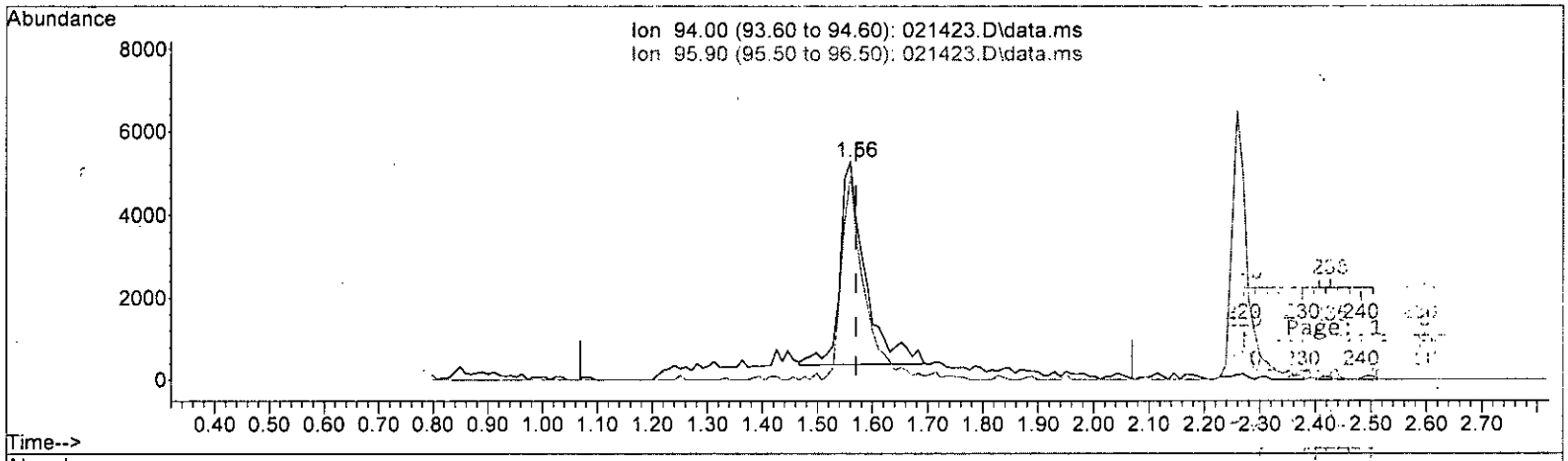
(7) Bromomethane (TMP)
1.559min (-0.011) 4.330 ppb
response 13970

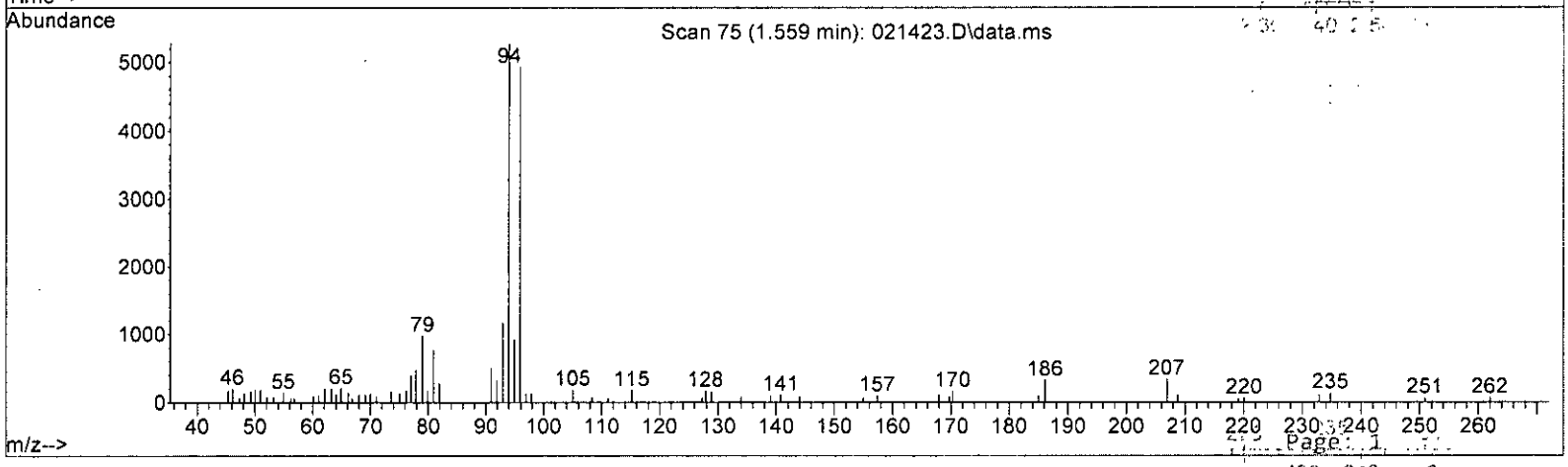
Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	101.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021423.D\data.ms

(7) Bromomethane (TMP)

1.559min (-0.011) 4.923 ppb m

response 15739

Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	93.51
0.00	0.00	0.00
0.00	0.00	0.00

m2/15

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.979	0.2	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.087	-1.7	100	-0.01
5	TMP	Chloromethane	5.000	5.079	-1.6	100	-0.01
6	TMP	Vinyl chloride	5.000	4.781	4.4	100	-0.02
7	TMP	Bromomethane	5.000	4.923	1.5	113	-0.01
8	TMP	Chloroethane	5.000	4.950	1.0	100	-0.02
9	TMP	Trichlorofluoromethane	5.000	5.045	-0.9	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	25.000	26.563	-6.3	100	-0.01
12	TMP	1,1-Dichloroethene	5.000	5.444	-8.9	100	-0.01
13	TMP	Hexane	5.000	4.924	1.5	100	0.00
14	TMP	Methylene chloride	5.000	5.113	-2.3	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	25.000	24.251	3.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.049	-1.0	100	-0.01
17	TMP	trans-1,2-Dichloroethene	5.000	5.095	-1.9	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	5.000	4.835	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	5.000	5.043	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.639	7.2	100	-0.01
21	TMP	2,2-Dichloropropane	5.000	4.687	6.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.251	-5.0	100	0.00
23	TMP	Chloroform	5.000	4.965	0.7	100	0.00
24	TMP	2-Butanone (MEK)	25.000	23.783	4.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.945	1.1	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.047	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.979	0.4	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.926	1.5	100	-0.01
29	TMP	Carbon tetrachloride	5.000	4.498	10.0	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.050	-0.5	100	0.00
31	TMP	Benzene	5.000	5.074	-1.5	100	0.00
32	TMP	Trichloroethene	5.000	5.190	-3.8	103	-0.01
33	TMP	1,2-Dichloropropane	5.000	5.245	-4.9	100	0.00
34	TMP	Bromodichloromethane	5.000	4.622	7.6	100	0.00
35	S	Toluene-d8	10.000	10.135	-1.3	100	0.00
36	TMP	Dibromomethane	5.000	5.059	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	24.098	3.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.671	6.6	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.064	-1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.871	2.6	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.055	-1.1	100	-0.01
43	TMP	2-Hexanone	25.000	24.916	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	5.088	-1.8	100	0.00
45	TMP	Tetrachloroethene	5.000	5.115	-2.3	100	0.00
46	TMP	Dibromochloromethane	5.000	4.904	1.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.962	0.8	100	0.00
48	TMP	Chlorobenzene	5.000	4.996	0.1	100	0.00
49	TMP	Ethylbenzene	5.000	5.127	-2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.988	0.2	100	0.00
51	TMP	m,p-Xylene	10.000	10.400	-4.0	100	0.00
52	TMP	o-Xylene	5.000	5.142	-2.8	100	0.00
53	TMP	Styrene	5.000	4.982	0.4	100	0.00
54	TMP	Isopropylbenzene	5.000	5.136	-2.7	100	0.00
55	TMP	Bromoform	5.000	4.832	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.936	0.6	100	0.00
58	TMP	n-Propylbenzene	5.000	4.960	0.8	100	0.00
59	TMP	Bromobenzene	5.000	4.903	1.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.853	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	4.795	4.1	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.899	2.0	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.195	-3.9	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.074	-1.5	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.795	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.988	0.2	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.018	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.906	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.795	4.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.940	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.812	3.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.497	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	4.636	7.3	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.757	4.9	100	0.00
75	TMP	Naphthalene	5.000	4.834	3.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.970	0.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.312	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.742	-1.6	100	-0.01
5	TMP	Chloromethane	0.500	0.508	-1.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.530	0.4	100	-0.02
7	TMP	Bromomethane	0.491	0.499	-1.6	113	-0.01
8	TMP	Chloroethane	0.247	0.265	-7.3	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.331	-0.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.479	-8.9	100	-0.01
13	TMP	Hexane	0.231	0.227	1.7	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.558	-1.1	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.290	-2.1	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.465#	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.330	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.256	0.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.232	1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.317	-5.0	100	0.00
23	TMP	Chloroform	0.430	0.427	0.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.511	1.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.286	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.435	0.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.289	1.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.454	1.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.860	1.8	100	0.00
32	TMP	Trichloroethene	0.338	0.326	3.6	103	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.181	-4.6	100	0.00
34	TMP	Bromodichloromethane	0.300	0.305	-1.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.173	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.283	8.4	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.717	6.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.308	2.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.205	-1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.346	-1.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.429	1.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.328	0.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.310	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.585	0.8	100	0.00
52	TMP	o-Xylene	0.566	0.562	0.7	100	0.00
53	TMP	Styrene	0.855	0.852	0.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.431	-2.7	100	0.00
55	TMP	Bromoform	0.295	0.285	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.613	0.6	100	0.00
58	TMP	n-Propylbenzene	2.371	2.352	0.8	100	0.00
59	TMP	Bromobenzene	0.857	0.840	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.889	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.463#	2.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.357#	2.2	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.629	-1.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.970	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.986	0.3	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.540	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.447	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.472	4.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.457	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.398	3.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.894	7.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.571	4.8	100	0.00
75	TMP	Naphthalene	1.920	1.713	10.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.802	6.7	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63140	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55777	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33064	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19672	9.979	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%				
30) 1,2-Dichloroethane-d4	4.45	102	3934	10.050	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.50%				
35) Toluene-d8	6.11	98	59584	10.135	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.30%				
57) 4-Bromofluorobenzene	8.51	95	20254	9.936	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	23437	5.087	ppb		94
5) Chloromethane	1.24	50	16031	5.079	ppb		80
6] Vinyl chloride	1.31	62	16729	4.781	ppb		91
7) Bromomethane	1.56	94	15739m	4.923	ppb		
8] Chloroethane	1.64	64	8360	4.950	ppb		98
9) Trichlorofluoromethane	1.83	101	42033	5.045	ppb		96
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	3833	26.563	ppb		99
12] 1,1-Dichloroethene	2.26	96	15130	5.444	ppb		99
13) Hexane	3.16	57	7168	4.924	ppb		95
14) Methylene chloride	2.68	84	7406	5.113	ppb		93
15) t-Butyl alcohol (TBA)	2.81	59	3175	24.251	ppb		99
16] Methyl t-butyl ether (...	2.92	73	17601	5.049	ppb		98
17] trans-1,2-Dichloroethene	2.91	96	9146	5.095	ppb		97
18) Diisopropyl ether (DIPE)	3.34	45	14691	4.835	ppb		96
19] 1,1-Dichloroethane	3.27	63	10408	5.043	ppb		92
20) Ethyl t-butyl ether (E...	3.65	87	8097	4.639	ppb		94
21) 2,2-Dichloropropane	3.76	77	7319	4.687	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	10007	5.251	ppb		90
23) Chloroform	4.04	83	13468	4.965	ppb		96
24) 2-Butanone (MEK)	3.78	43	13377	23.783	ppb		98
25) t-Amyl methyl ether (T...	4.60	73	16120	4.945	ppb		96
26] 1,2-Dichloroethane (EDC)	4.52	62	9035	5.047	ppb		95
27] 1,1,1-Trichloroethane	4.19	97	13722	4.979	ppb		94
28) 1,1-Dichloropropene	4.32	75	9122	4.926	ppb		95
29) Carbon tetrachloride	4.32	117	14343	4.498	ppb		100
31] Benzene	4.50	78	27141	5.074	ppb		96
32] Trichloroethene	5.04	95	10298	5.190	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	5726	5.245	ppb		98
34) Bromodichloromethane	5.48	83	9636	4.622	ppb		94
36) Dibromomethane	5.34	93	5476	5.059	ppb		96

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

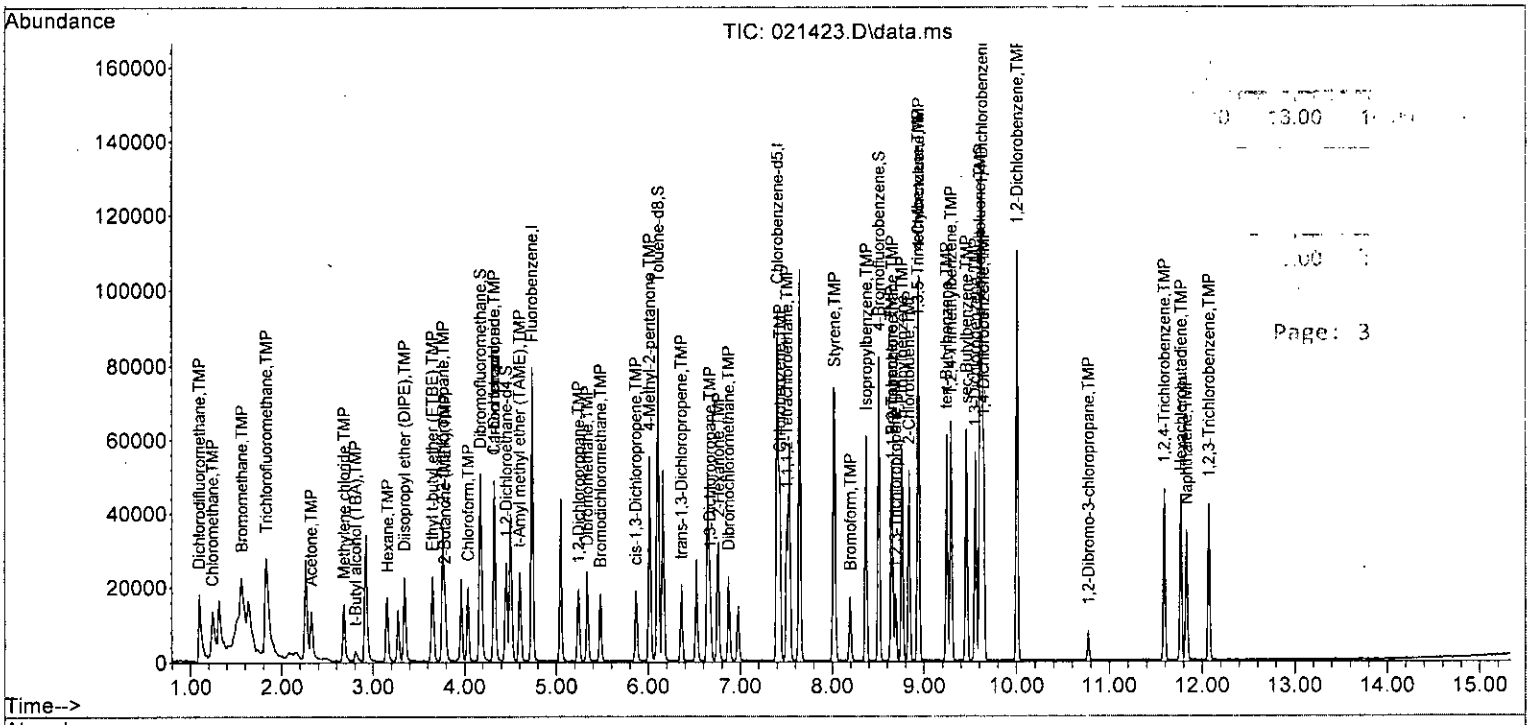
Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

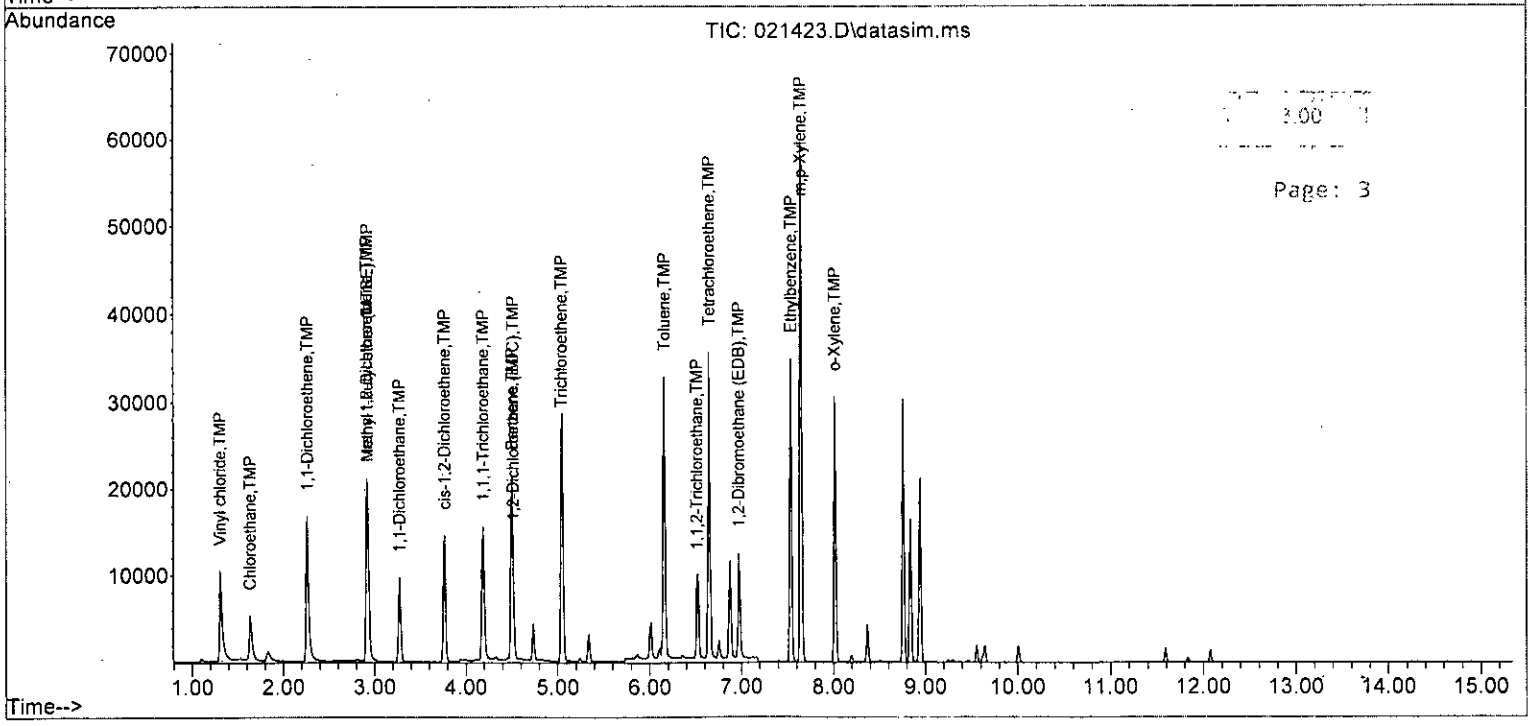
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	6538	24.098	ppb		97
38) cis-1,3-Dichloropropene	5.86	75	8928	4.671	ppb		90
40] Toluene	6.16	92	19998	5.064	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	8595	4.871	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	5720	5.055	ppb	#	70
43) 2-Hexanone	6.76	43	20063	24.916	ppb		97
44) 1,3-Dichloropropane	6.67	76	9645	5.088	ppb		88
45] Tetrachloroethene	6.65	164	12276	5.115	ppb		99
46) Dibromochloromethane	6.87	129	11955	4.904	ppb		95
47] 1,2-Dibromoethane (EDB)	6.97	107	9158	4.962	ppb		98
48) Chlorobenzene	7.43	112	26944	4.996	ppb		97
49] Ethylbenzene	7.54	91	36521	5.127	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	10876	4.988	ppb		95
51] m,p-Xylene	7.64	106	32653	10.400	ppb		80
52] o-Xylene	8.01	106	15661	5.142	ppb	#	77
53) Styrene	8.03	104	23752	4.982	ppb		98
54) Isopropylbenzene	8.37	105	39900	5.136	ppb		97
55) Bromoform	8.20	173	7938	4.832	ppb		88
58) n-Propylbenzene	8.76	91	38878	4.960	ppb		100
59) Bromobenzene	8.65	156	13892	4.903	ppb		93
60) 1,3,5-Trimethylbenzene	8.93	105	31227	4.853	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	7653	4.795	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	5910	4.899	ppb		99
63) 2-Chlorotoluene	8.84	91	23188	5.195	ppb		96
64) 4-Chlorotoluene	8.94	91	26938	5.074	ppb		93
65) tert-Butylbenzene	9.24	119	32561	4.795	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	32829	4.988	ppb		97
67) sec-Butylbenzene	9.46	105	41998	5.018	ppb		100
68) p-Isopropyltoluene	9.60	119	40453	4.906	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	24330	4.795	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	24079	4.940	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	23108	4.812	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	1256	4.497	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	14785	4.636	ppb		98
74) Hexachlorobutadiene	11.77	225	9437	4.757	ppb		99
75) Naphthalene	11.83	128	28312	4.834	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	13260	4.970	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	66660	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	55853	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31852	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	19702	9.466	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.70%			
30) 1,2-Dichloroethane-d4	4.45	102	4189	10.137	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.40%			
35) Toluene-d8	6.11	98	57317	9.234	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 92.30%			
57) 4-Bromofluorobenzene	8.51	95	19806	10.085	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.90%			
Target Compounds						Qvalue
2) Ethanol	2.34	45	74	No Calib		
4) Dichlorodifluoromethane	1.11	85	46452	9.550	ppb	100
5) Chloromethane	1.25	50	29504	8.855	ppb	100
6] Vinyl chloride	1.33	62	32430	8.773	ppb	100
7) Bromomethane	1.57	94	29970	9.160	ppb	100
8] Chloroethane	1.66	64	16154	8.959	ppb	100
9) Trichlorofluoromethane	1.84	101	82823	9.416	ppb	100
10) 2-Propanol	2.34	45	74	No Calib		
11) Acetone	2.33	58	7103	47.265	ppb	100
12] 1,1-Dichloroethene	2.27	96	27678	9.432	ppb	100
13) Hexane	3.16	57	14142	9.202	ppb	100
14) Methylene chloride	2.69	84	14918	9.512	ppb	100
15) t-Butyl alcohol (TBA)	2.82	59	6243	45.166	ppb	100
16] Methyl t-butyl ether (...	2.93	73	33767	9.175	ppb	100
17] trans-1,2-Dichloroethene	2.92	96	17392	9.177	ppb	100
18) Diisopropyl ether (DIPE)	3.35	45	30211	9.417	ppb	100
19] 1,1-Dichloroethane	3.27	63	20263	9.300	ppb	100
20) Ethyl t-butyl ether (E...	3.66	87	16292	8.742	ppb	100
21) 2,2-Dichloropropane	3.76	77	13923	8.379	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	18711	9.299	ppb	100
23) Chloroform	4.04	83	26704	9.324	ppb	100
24) 2-Butanone (MEK)	3.79	43	28454	47.917	ppb	100
25) t-Amyl methyl ether (T...	4.61	73	31660	9.200	ppb	100
26] 1,2-Dichloroethane (EDC)	4.52	62	17567	9.312	ppb	100
27] 1,1,1-Trichloroethane	4.19	97	26840	9.224	ppb	100
28) 1,1-Dichloropropene	4.33	75	17660	9.033	ppb	100
29) Carbon tetrachloride	4.33	117	28812	8.433	ppb	100
31] Benzene	4.50	78	52673	9.331	ppb	100
32] Trichloroethene	5.05	95	20042	9.577	ppb	100
33) 1,2-Dichloropropane	5.24	63	10897	9.455	ppb	100
34) Bromodichloromethane	5.48	83	18771	8.472	ppb	100
36) Dibromomethane	5.34	93	10660	9.327	ppb	100

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

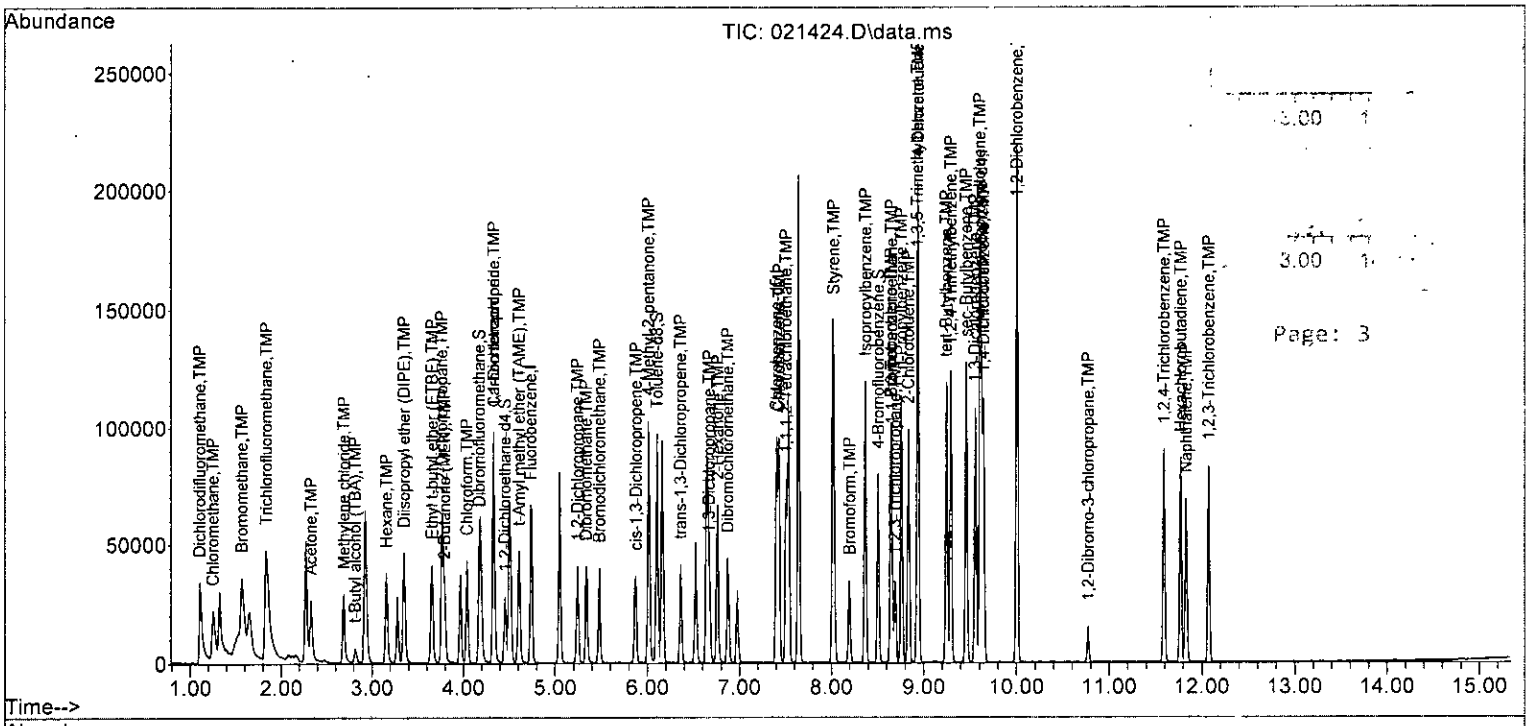
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	13376	46.698	ppb	100
38) cis-1,3-Dichloropropene	5.88	75	18496	9.091	ppb	100
40] Toluene	6.16	92	38979	9.869	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	16814	9.517	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	11116	9.811	ppb	100
43) 2-Hexanone	6.76	43	39117	48.513	ppb	100
44) 1,3-Dichloropropane	6.67	76	17872	9.415	ppb	100
45] Tetrachloroethene	6.65	164	23752	9.891	ppb	100
46) Dibromochloromethane	6.87	129	23172	9.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	17784	9.622	ppb	100
48) Chlorobenzene	7.43	112	53614	9.927	ppb	100
49] Ethylbenzene	7.54	91	71002	9.960	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	21452	9.825	ppb	100
51] m,p-Xylene	7.65	106	63312	20.150	ppb	100
52] o-Xylene	8.02	106	30408	9.976	ppb	100
53) Styrene	8.03	104	47012	9.848	ppb	100
54) Isopropylbenzene	8.37	105	75944	9.763	ppb	100
55) Bromoform	8.20	173	15505	9.426	ppb	100
58) n-Propylbenzene	8.76	91	75822	10.040	ppb	100
59) Bromobenzene	8.65	156	26678	9.774	ppb	100
60) 1,3,5-Trimethylbenzene	8.93	105	62500	10.083	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	14592	9.456	ppb	100
62) 1,2,3-Trichloropropane	8.69	75	11389	9.800	ppb	100
63) 2-Chlorotoluene	8.84	91	44697	10.455	ppb	100
64) 4-Chlorotoluene	8.94	91	50632	9.901	ppb	100
65) tert-Butylbenzene	9.24	119	65059	9.944	ppb	100
66) 1,2,4-Trimethylbenzene	9.29	105	63780	10.059	ppb	100
67) sec-Butylbenzene	9.46	105	81446	10.101	ppb	100
68) p-Isopropyltoluene	9.60	119	80715	10.161	ppb	100
69) 1,3-Dichlorobenzene	9.55	146	48100	9.841	ppb	100
70) 1,4-Dichlorobenzene	9.64	146	46178	9.835	ppb	100
71) 1,2-Dichlorobenzene	10.01	146	45586	9.854	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.77	75	2383	8.857	ppb	100
73) 1,2,4-Trichlorobenzene	11.59	180	28749	9.358	ppb	100
74) Hexachlorobutadiene	11.77	225	18499	9.680	ppb	100
75) Naphthalene	11.83	128	55957	9.789	ppb	100
76) 1,2,3-Trichlorobenzene	12.07	180	26549	10.210	ppb	100

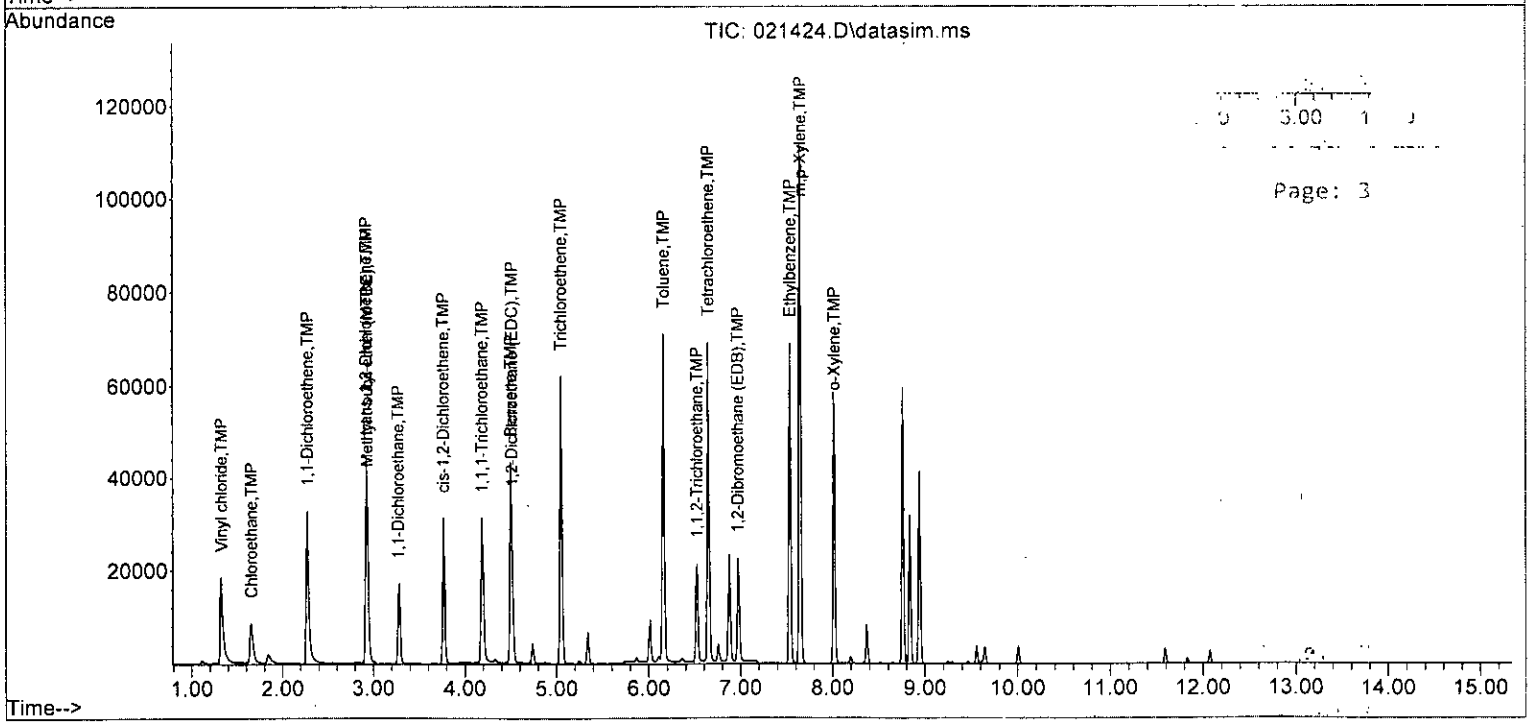
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.466	5.3	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.550	4.5	100	0.00
5	TMP	Chloromethane	10.000	8.855	11.4	100	0.00
6	TMP	Vinyl chloride	10.000	8.773	12.3	100	0.00
7	TMP	Bromomethane	10.000	9.160	8.4	100	0.00
8	TMP	Chloroethane	10.000	8.959	10.4	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.416	5.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	100	0.00
11	TMP	Acetone	50.000	47.265	5.5	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.432	5.7	100	0.00
13	TMP	Hexane	10.000	9.202	8.0	100	0.00
14	TMP	Methylene chloride	10.000	9.512	4.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	45.166	9.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	9.175	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.177	8.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.417	5.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	9.300	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	8.742	12.6	100	0.00
21	TMP	2,2-Dichloropropane	10.000	8.379	16.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.299	7.0	100	0.00
23	TMP	Chloroform	10.000	9.324	6.8	100	0.00
24	TMP	2-Butanone (MEK)	50.000	47.917	4.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.200	8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.312	6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.224	7.8	100	0.00
28	TMP	1,1-Dichloropropene	10.000	9.033	9.7	100	0.00
29	TMP	Carbon tetrachloride	10.000	8.433	15.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.137	-1.4	100	0.00
31	TMP	Benzene	10.000	9.331	6.7	100	0.00
32	TMP	Trichloroethene	10.000	9.577	4.2	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.455	5.4	100	0.00
34	TMP	Bromodichloromethane	10.000	8.472	15.3	100	0.00
35	S	Toluene-d8	10.000	9.234	7.7	100	0.00
36	TMP	Dibromomethane	10.000	9.327	6.7	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	46.698	6.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.091	9.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.869	1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.517	4.8	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.811	1.9	100	0.00
43	TMP	2-Hexanone	50.000	48.513	3.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.415	5.9	100	0.00
45	TMP	Tetrachloroethene	10.000	9.891	1.1	100	0.00
46	TMP	Dibromochloromethane	10.000	9.492	5.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.622	3.8	100	0.00
48	TMP	Chlorobenzene	10.000	9.927	0.7	100	0.00
49	TMP	Ethylbenzene	10.000	9.960	0.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.825	1.8	100	0.00
51	TMP	m,p-Xylene	20.000	20.150	-0.7	100	0.00
52	TMP	o-Xylene	10.000	9.976	0.2	100	0.00
53	TMP	Styrene	10.000	9.848	1.5	100	0.00
54	TMP	Isopropylbenzene	10.000	9.763	2.4	100	0.00
55	TMP	Bromoform	10.000	9.426	5.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.085	-0.9	100	0.00
58	TMP	n-Propylbenzene	10.000	10.040	-0.4	100	0.00
59	TMP	Bromobenzene	10.000	9.774	2.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.083	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.456	5.4	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.800	2.0	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.455	-4.6	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.901	1.0	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.944	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.059	-0.6	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.101	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.161	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.841	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.835	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.854	1.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	8.857	11.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.358	6.4	100	0.00
74	TMP	Hexachlorobutadiene	10.000	9.680	3.2	100	0.00
75	TMP	Naphthalene	10.000	9.789	2.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.210	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.312	0.296	5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.697	4.5	100	0.00
5	TMP	Chloromethane	0.500	0.443	11.4	100	0.00
6	TMP	Vinyl chloride	0.532	0.486	8.6	100	0.00
7	TMP	Bromomethane	0.491	0.450	8.4	100	0.00
8	TMP	Chloroethane	0.247	0.242	2.0	100	0.00
9	TMP	Trichlorofluoromethane	1.319	1.242	5.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	100	0.00
11	TMP	Acetone	0.025	0.021	16.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.415	5.7	100	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.224	4.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.507	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.261	8.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.453#	5.8	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.304	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.244	5.4	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.209	11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.281	7.0	100	0.00
23	TMP	Chloroform	0.430	0.401	6.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.475#	7.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.264	12.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.403	7.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.265	9.6	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.432	6.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.063	-1.6	100	0.00
31	TMP	Benzene	0.876	0.790	9.8	100	0.00
32	TMP	Trichloroethene	0.338	0.301	10.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.282	6.0	100	0.00
35	S	Toluene-d8	0.931	0.860	7.6	100	0.00
36	TMP	Dibromomethane	0.171	0.160	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.277	10.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.698	8.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.199	2.0	100	0.00
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.320	5.9	100	0.00
45	TMP	Tetrachloroethene	0.452	0.425	6.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.415	5.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.318	3.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.960	0.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.271	4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.567	3.9	100	0.00
52	TMP	o-Xylene	0.566	0.544	3.9	100	0.00
53	TMP	Styrene	0.855	0.842	1.5	100	0.00
54	TMP	Isopropylbenzene	1.393	1.360	2.4	100	0.00
55	TMP	Bromoform	0.295	0.278	5.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.622	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.371	2.380	-0.4	100	0.00
59	TMP	Bromobenzene	0.857	0.838	2.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.962	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.458#	3.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.358#	1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.590	1.0	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.043	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.002	-0.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.534	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.450	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.431	1.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.075	10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.903	6.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.581	3.2	100	0.00
75	TMP	Naphthalene	1.920	1.757	8.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.834	3.0	100	0.00

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-127O
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	58597	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	53628	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30943	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	18841	10.298 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.00%		
30) 1,2-Dichloroethane-d4	4.45	102	3739	10.293 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%		
35) Toluene-d8	6.10	98	55939	10.253 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.50%		
57) 4-Bromofluorobenzene	8.51	95	18992	9.955 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.60%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	102	No Calib	
4) Dichlorodifluoromethane	1.11	85	87119	20.375 ppb	95
5) Chloromethane	1.25	50	55903	19.086 ppb	82
6] Vinyl chloride	1.32	62	60477	18.604 ppb	93
7) Bromomethane	1.57	94	54098	19.179 ppb	99
8] Chloroethane	1.65	64	30251	18.946 ppb	95
9) Trichlorofluoromethane	1.84	101	151884	19.644 ppb	94
10) 2-Propanol	2.32	45	102	No Calib #	
11) Acetone	2.33	58	13535	102.680 ppb	94
12] 1,1-Dichloroethene	2.27	96	50491	19.574 ppb	92
13) Hexane	3.16	57	26477	19.599 ppb	99
14) Methylene chloride	2.68	84	26469	18.927 ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	11527	94.869 ppb	91
16] Methyl t-butyl ether (...	2.93	73	63527	19.636 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	32474	19.493 ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	56769	20.131 ppb	99
19] 1,1-Dichloroethane	3.27	63	38129	19.907 ppb	98
20) Ethyl t-butyl ether (E...	3.65	87	31111	18.862 ppb	98
21) 2,2-Dichloropropane	3.76	77	24871	16.939 ppb	100
22] cis-1,2-Dichloroethene	3.77	96	34785	19.667 ppb	96
23) Chloroform	4.04	83	49291	19.579 ppb	100
24) 2-Butanone (MEK)	3.79	43	53391	102.284 ppb	98
25) t-Amyl methyl ether (T...	4.61	73	60362	19.954 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	32697	19.740 ppb	98
27] 1,1,1-Trichloroethane	4.19	97	51388	20.090 ppb	98
28) 1,1-Dichloropropene	4.33	75	32984	19.192 ppb	98
29) Carbon tetrachloride	4.33	117	55186	18.211 ppb	93
31] Benzene	4.50	78	99112	19.979 ppb	98
32] Trichloroethene	5.05	95	36974	20.112 ppb	94
33) 1,2-Dichloropropane	5.24	63	20708	20.440 ppb	99
34) Bromodichloromethane	5.48	83	35991	18.399 ppb	98
36) Dibromomethane	5.34	93	20036	19.943 ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

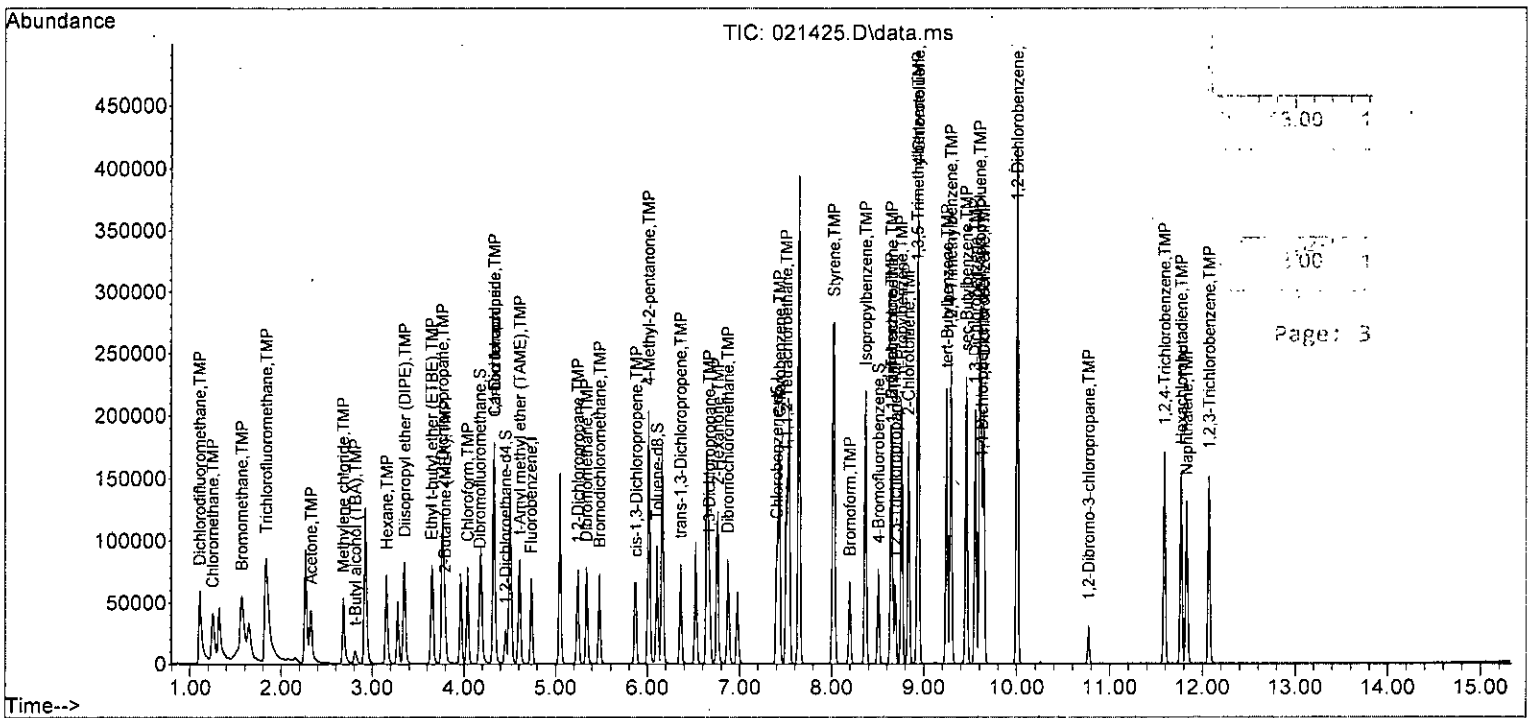
Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

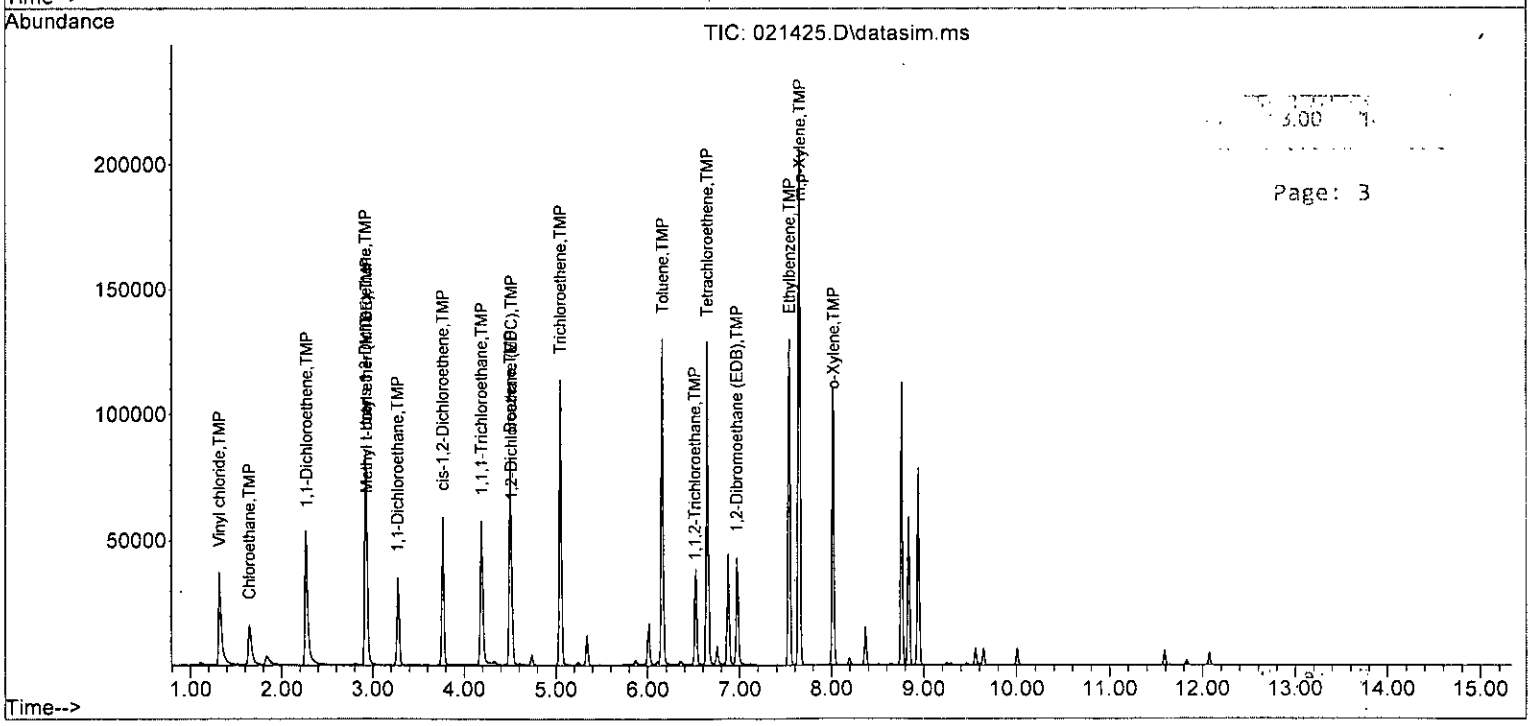
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	25326	100.585	ppb		97
38) cis-1,3-Dichloropropene	5.88	75	35335	19.463	ppb		96
40] Toluene	6.16	92	73714	19.450	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	32195	18.979	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	21006	19.309	ppb	#	68
43) 2-Hexanone	6.76	43	75783	97.886	ppb		98
44) 1,3-Dichloropropane	6.67	76	34468	18.911	ppb		92
45] Tetrachloroethene	6.65	164	44334	19.235	ppb		100
46) Dibromochloromethane	6.87	129	45917	19.589	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	34052	19.189	ppb		99
48) Chlorobenzene	7.43	112	100905	19.458	ppb		98
49] Ethylbenzene	7.54	91	134691	19.684	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	41145	19.627	ppb		97
51] m,p-Xylene	7.65	106	118356	39.246	ppb		100
52] o-Xylene	8.02	106	57092	19.514	ppb		100
53) Styrene	8.03	104	88950	19.406	ppb		100
54) Isopropylbenzene	8.37	105	144454	19.341	ppb		99
55) Bromoform	8.20	173	30154	19.092	ppb		94
58) n-Propylbenzene	8.76	91	143080	19.503	ppb		100
59) Bromobenzene	8.65	156	49994	18.853	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	118379	19.658	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	28029	18.665	ppb		98
62) 1,2,3-Trichloropropane	8.69	75	21504	19.048	ppb		99
63) 2-Chlorotoluene	8.84	91	82677	19.961	ppb		100
64) 4-Chlorotoluene	8.94	91	95872	19.298	ppb		98
65) tert-Butylbenzene	9.25	119	121675	19.144	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	121715	19.760	ppb		100
67) sec-Butylbenzene	9.46	105	151045	19.283	ppb		99
68) p-Isopropyltoluene	9.60	119	151930	19.688	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	90111	18.978	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	86045	18.863	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	85599	19.047	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	4881	18.675	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	55702	18.663	ppb		99
74) Hexachlorobutadiene	11.77	225	34142	18.391	ppb		95
75) Naphthalene	11.83	128	111952	19.681	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	50598	19.677	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
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InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.298	-3.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.375	-1.9	100	0.00
5	TMP	Chloromethane	20.000	19.086	4.6	100	0.00
6	TMP	Vinyl chloride	20.000	18.604	7.0	100	-0.01
7	TMP	Bromomethane	20.000	19.179	4.1	100	0.00
8	TMP	Chloroethane	20.000	18.946	5.3	100	-0.01
9	TMP	Trichlorofluoromethane	20.000	19.644	1.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	100.000	102.680	-2.7	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.574	2.1	100	0.00
13	TMP	Hexane	20.000	19.599	2.0	100	0.00
14	TMP	Methylene chloride	20.000	18.927	5.4	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	100.000	94.869	5.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.636	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.493	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	20.131	-0.7	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.907	0.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	18.862	5.7	100	-0.01
21	TMP	2,2-Dichloropropane	20.000	16.939	15.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	19.667	1.7	100	0.00
23	TMP	Chloroform	20.000	19.579	2.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	102.284	-2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	19.954	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	19.740	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.090	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.192	4.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	18.211	8.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.293	-2.9	100	0.00
31	TMP	Benzene	20.000	19.979	0.1	100	0.00
32	TMP	Trichloroethene	20.000	20.112	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	20.000	20.440	-2.2	100	0.00
34	TMP	Bromodichloromethane	20.000	18.399	8.0	100	0.00
35	S	Toluene-d8	10.000	10.253	-2.5	100	0.00
36	TMP	Dibromomethane	20.000	19.943	0.3	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	100.585	-0.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	19.463	2.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	19.450	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	18.979	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	19.309	3.5	100	-0.01
43	TMP	2-Hexanone	100.000	97.886	2.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	18.911	5.4	100	0.00
45	TMP	Tetrachloroethene	20.000	19.235	3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	19.589	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	19.189	4.1	100	0.00
48	TMP	Chlorobenzene	20.000	19.458	2.7	100	0.00
49	TMP	Ethylbenzene	20.000	19.684	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	19.627	1.9	100	0.00
51	TMP	m,p-Xylene	40.000	39.246	1.9	100	0.00
52	TMP	o-Xylene	20.000	19.514	2.4	100	0.00
53	TMP	Styrene	20.000	19.406	3.0	100	0.00
54	TMP	Isopropylbenzene	20.000	19.341	3.3	100	0.00
55	TMP	Bromoform	20.000	19.092	4.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.955	0.4	100	0.00
58	TMP	n-Propylbenzene	20.000	19.503	2.5	100	0.00
59	TMP	Bromobenzene	20.000	18.853	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.658	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	18.665	6.7	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	19.048	4.8	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.961	0.2	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.298	3.5	100	0.00
65	TMP	tert-Butylbenzene	20.000	19.144	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.760	1.2	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.283	3.6	100	0.00
68	TMP	p-Isopropyltoluene	20.000	19.688	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	18.978	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	18.863	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.047	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	18.675	6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	20.000	18.663	6.7	100	0.00
74	TMP	Hexachlorobutadiene	20.000	18.391	8.0	100	0.00
75	TMP	Naphthalene	20.000	19.681	1.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	19.677	1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.743	-1.8	100	0.00
5	TMP	Chloromethane	0.500	0.477	4.6	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	100	-0.01
7	TMP	Bromomethane	0.491	0.462	5.9	100	0.00
8	TMP	Chloroethane	0.247	0.258	-4.5	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.296	1.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.431	2.0	100	0.00
13	TMP	Hexane	0.231	0.226	2.2	100	0.00
14	TMP	Methylene chloride	0.235	0.226	3.8	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.277	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.484#	-0.6	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.325	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.265	-2.7	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.212	9.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.297	1.7	100	0.00
23	TMP	Chloroform	0.430	0.421	2.1	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.091	-2.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.515	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.279	7.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.281	4.1	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.471	-1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.846	3.4	100	0.00
32	TMP	Trichloroethene	0.338	0.315	6.8	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.177	-2.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.307	-2.3	100	0.00
35	S	Toluene-d8	0.931	0.955	-2.6	100	0.00
36	TMP	Dibromomethane	0.171	0.171	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.043	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.302	2.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.687	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.300	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.141	2.1	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.321	5.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.413	8.6	100	0.00
46	TMP	Dibromochloromethane	0.437	0.428	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.317	4.2	100	0.00
48	TMP	Chlorobenzene	0.967	0.941	2.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.256	5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.552	6.4	100	0.00
52	TMP	o-Xylene	0.566	0.532	6.0	100	0.00
53	TMP	Styrene	0.855	0.829	3.0	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.281	4.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.614	0.5	100	0.00
58	TMP	n-Propylbenzene	2.371	2.312	2.5	100	0.00
59	TMP	Bromobenzene	0.857	0.808	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.913	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.453#	4.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.347#	4.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.336	4.5	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.549	3.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.966	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.967	1.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.441	3.6	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.455	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.456	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.390	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.383	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75	TMP	Naphthalene	1.920	1.809	5.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.818	4.9	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.454	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	54.612	-9.2	100	-0.01
5	TMP	Chloromethane	50.000	52.293	-4.6	100	-0.01
6	TMP	Vinyl chloride	50.000	50.133	-0.3	100	-0.01
7	TMP	Bromomethane	50.000	50.209	-0.4	100	-0.01
8	TMP	Chloroethane	50.000	49.683	0.6	100	-0.02
9	TMP	Trichlorofluoromethane	50.000	53.003	-6.0	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	250.000	258.870	-3.5	100	-0.01
12	TMP	1,1-Dichloroethene	50.000	51.159	-2.3	100	-0.01
13	TMP	Hexane	50.000	51.395	-2.8	100	0.00
14	TMP	Methylene chloride	50.000	50.030	-0.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	250.000	264.435	-5.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	50.000	51.859	-3.7	100	-0.01
17	TMP	trans-1,2-Dichloroethene	50.000	51.212	-2.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	50.000	52.885	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	50.000	52.342	-4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	49.899	0.2	100	-0.01
21	TMP	2,2-Dichloropropane	50.000	53.281	-6.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.281	-2.6	100	0.00
23	TMP	Chloroform	50.000	51.629	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	250.000	269.929	-8.0	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.645	-5.3	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	50.000	51.399	-2.8	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	53.236	-6.5	100	0.00
28	TMP	1,1-Dichloropropene	50.000	51.064	-2.1	100	-0.01
29	TMP	Carbon tetrachloride	50.000	49.313	1.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.060	-0.6	100	0.00
31	TMP	Benzene	50.000	52.504	-5.0	100	0.00
32	TMP	Trichloroethene	50.000	52.819	-5.6	100	-0.01
33	TMP	1,2-Dichloropropane	50.000	52.719	-5.4	100	0.00
34	TMP	Bromodichloromethane	50.000	48.971	2.1	100	0.00
35	S	Toluene-d8	10.000	10.639	-6.4	100	0.00
36	TMP	Dibromomethane	50.000	53.775	-7.5	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	274.451	-9.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	53.111	-6.2	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	49.735	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	52.173	-4.3	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.507	1.0	100	-0.01
43	TMP	2-Hexanone	250.000	248.588	0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	48.099	3.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.002	2.0	100	0.00
46	TMP	Dibromochloromethane	50.000	50.981	-2.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	48.741	2.5	100	0.00
48	TMP	Chlorobenzene	50.000	49.970	0.1	100	0.00
49	TMP	Ethylbenzene	50.000	49.687	0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.065	-2.1	100	0.00
51	TMP	m,p-Xylene	100.000	98.445	1.6	100	0.00
52	TMP	o-Xylene	50.000	49.280	1.4	100	0.00
53	TMP	Styrene	50.000	49.718	0.6	100	0.00
54	TMP	Isopropylbenzene	50.000	49.622	0.8	100	0.00
55	TMP	Bromoform	50.000	51.722	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.535	4.6	100	0.00
58	TMP	n-Propylbenzene	50.000	49.558	0.9	100	0.00
59	TMP	Bromobenzene	50.000	48.940	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	50.030	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	48.480	3.0	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	48.335	3.3	100	0.00
63	TMP	2-Chlorotoluene	50.000	50.560	-1.1	100	0.00
64	TMP	4-Chlorotoluene	50.000	48.844	2.3	100	0.00
65	TMP	tert-Butylbenzene	50.000	49.700	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	50.910	-1.8	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.501	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.711	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.209	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	49.359	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	49.662	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.530	0.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	52.501	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	49.681	0.6	100	0.00
75	TMP	Naphthalene	50.000	52.317	-4.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.939	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.326	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.797	-9.2	100	-0.01
5	TMP	Chloromethane	0.500	0.523	-4.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.556	-4.5	100	-0.01
7	TMP	Bromomethane	0.491	0.478	2.6	100	-0.01
8	TMP	Chloroethane	0.247	0.272	-10.1	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.399	-6.1	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.450	-2.3	100	-0.01
13	TMP	Hexane	0.231	0.237	-2.6	100	0.00
14	TMP	Methylene chloride	0.235	0.241	-2.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.573	-3.8	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.291	-2.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.509	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.342	-4.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.282	-9.3	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.268	-14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.310	-2.6	100	0.00
23	TMP	Chloroform	0.430	0.444	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.096	-7.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.544	-5.4	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.290	3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.465	-6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.300	-2.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.513	-10.8	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.889	-1.5	100	0.00
32	TMP	Trichloroethene	0.338	0.331	2.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.182	-5.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.328	-9.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.184	-7.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.047	-9.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.344	-11.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.703	8.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.330	-4.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.201	1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.327	3.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.421	6.9	100	0.00
46	TMP	Dibromochloromethane	0.437	0.446	-2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.323	2.4	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.268	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.553	6.3	100	0.00
52	TMP	o-Xylene	0.566	0.538	4.9	100	0.00
53	TMP	Styrene	0.855	0.850	0.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.382	0.8	100	0.00
55	TMP	Bromoform	0.295	0.305	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.588	4.7	100	0.00
58	TMP	n-Propylbenzene	2.371	2.350	0.9	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.947	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.471#	0.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.353#	3.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.351	3.4	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.568	2.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.042	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.027	-1.8	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.579	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.455	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.443	0.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.084	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.013	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.596	0.7	100	0.00
75	TMP	Naphthalene	1.920	2.072	-7.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.913	-6.2	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	54707	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	52254	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30340	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17856	10.454 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.50%		
30) 1,2-Dichloroethane-d4	4.45	102	3412	10.060 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.60%		
35) Toluene-d8	6.11	98	54194	10.639 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.40%		
57) 4-Bromofluorobenzene	8.51	95	17837	9.535 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 95.40%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	439	No Calib	
4) Dichlorodifluoromethane	1.10	85	218007	54.612 ppb	98
5) Chloromethane	1.24	50	142999	52.293 ppb	89
6] Vinyl chloride	1.32	62	152180	50.133 ppb	99
7) Bromomethane	1.56	94	130756	50.209 ppb	98
8] Chloroethane	1.64	64	74361	49.683 ppb	93
9) Trichlorofluoromethane	1.83	101	382601	53.003 ppb	95
10) 2-Propanol	2.32	45	439	No Calib	
11) Acetone	2.32	58	32550	258.870 ppb	100
12] 1,1-Dichloroethene	2.26	96	123203	51.159 ppb	95
13) Hexane	3.16	57	64822	51.395 ppb	97
14) Methylene chloride	2.68	84	65903	50.030 ppb	96
15) t-Butyl alcohol (TBA)	2.81	59	29997	264.435 ppb	95
16] Methyl t-butyl ether (...	2.92	73	156637	51.859 ppb	99
17] trans-1,2-Dichloroethene	2.91	96	79654	51.212 ppb	94
18) Diisopropyl ether (DIPE)	3.34	45	139234	52.885 ppb	98
19] 1,1-Dichloroethane	3.27	63	93598	52.342 ppb	93
20) Ethyl t-butyl ether (E...	3.65	87	77118	49.899 ppb	98
21) 2,2-Dichloropropane	3.76	77	73284	53.281 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	84678	51.281 ppb	91
23) Chloroform	4.04	83	121347	51.629 ppb	97
24) 2-Butanone (MEK)	3.78	43	131546	269.929 ppb	100
25) t-Amyl methyl ether (T...	4.60	73	148684	52.645 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	79434	51.399 ppb	96
27] 1,1,1-Trichloroethane	4.19	97	127129	53.236 ppb	94
28) 1,1-Dichloropropene	4.32	75	81936	51.064 ppb	96
29) Carbon tetrachloride	4.32	117	140188	49.313 ppb	98
31] Benzene	4.50	78	243137	52.504 ppb	97
32] Trichloroethene	5.04	95	90626	52.819 ppb #	75
33) 1,2-Dichloropropane	5.24	63	49865	52.719 ppb	99
34) Bromodichloromethane	5.48	83	89640	48.971 ppb	100
36) Dibromomethane	5.34	93	50438	53.775 ppb	97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

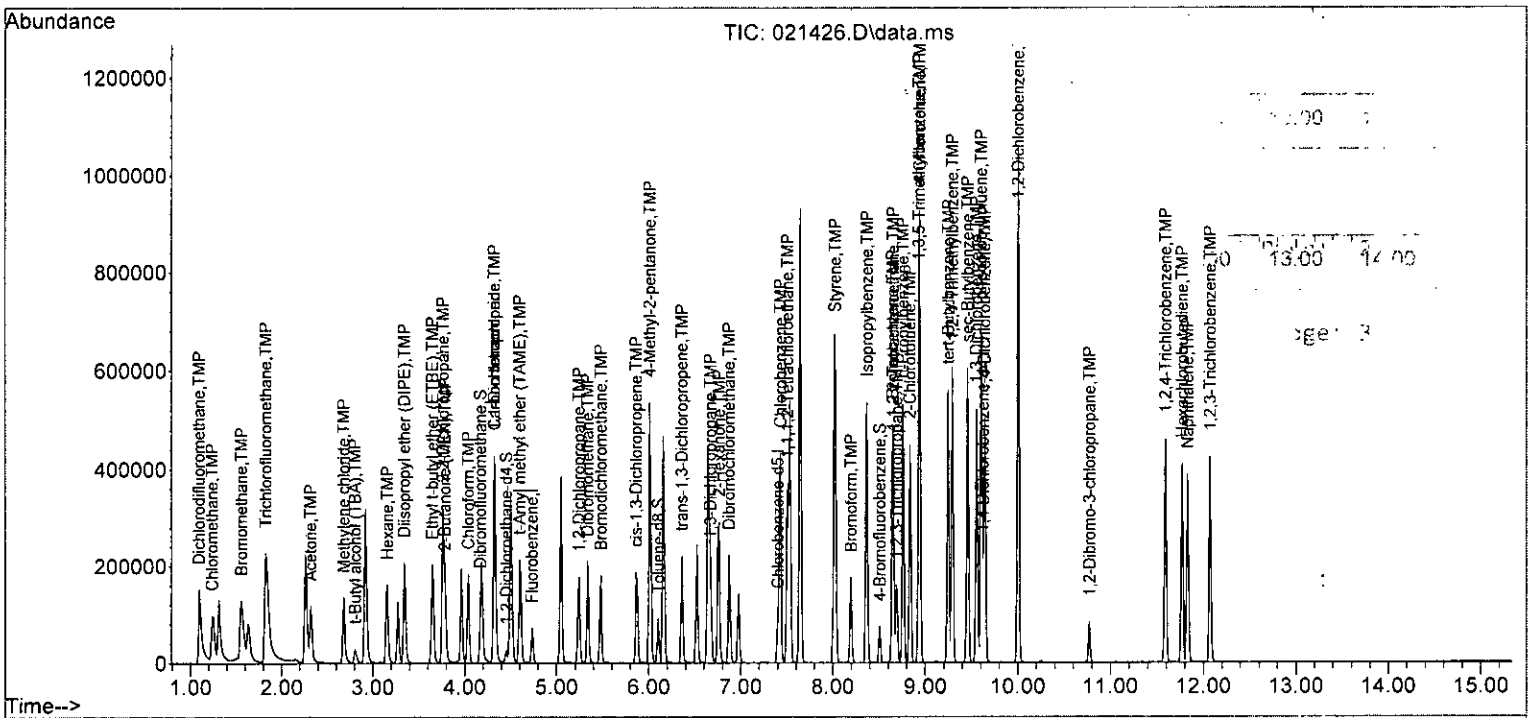
Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

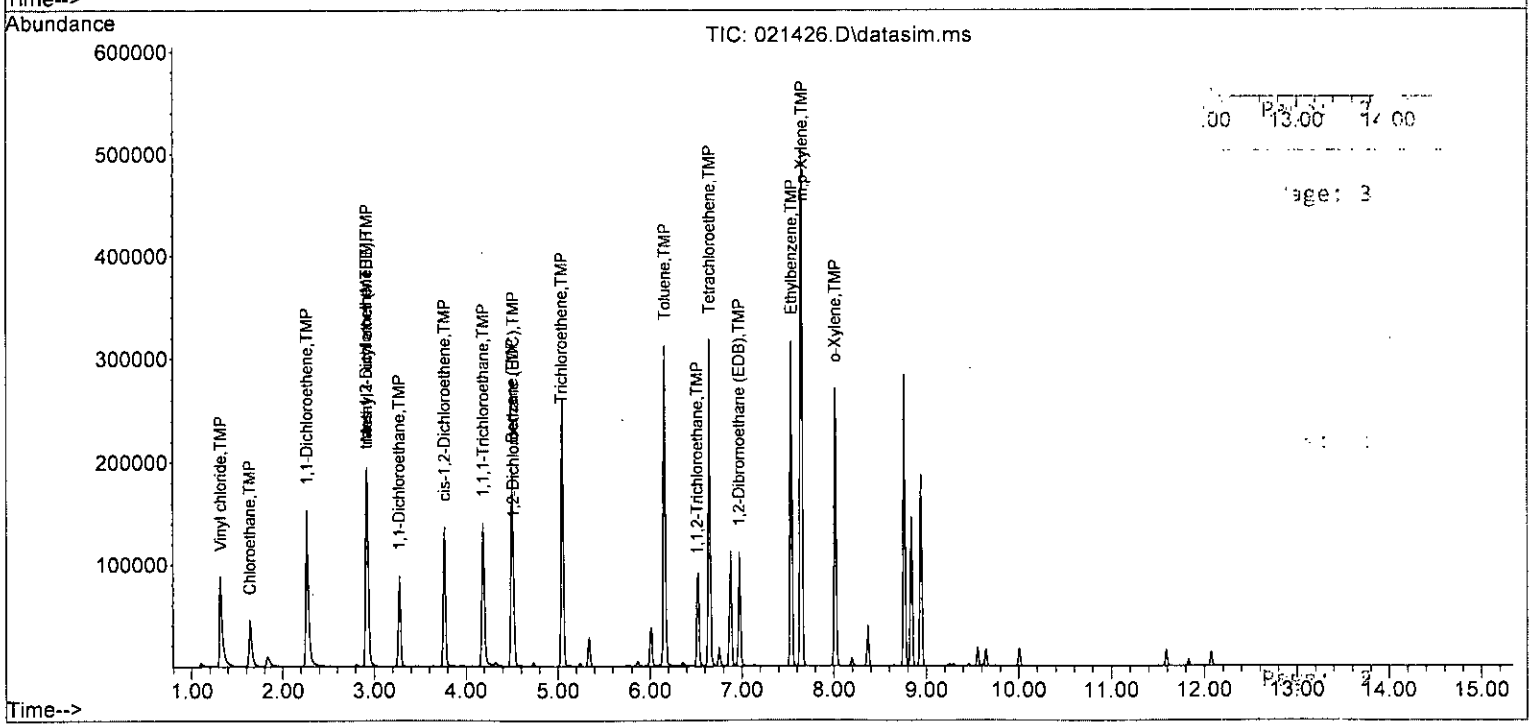
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	64516	274.451	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	94029	53.111	ppb		94
40] Toluene	6.16	92	183592	49.735	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	86237	52.173	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	52478	49.507	ppb	#	70
43) 2-Hexanone	6.76	43	187524	248.588	ppb		96
44) 1,3-Dichloropropane	6.67	76	85420	48.099	ppb		93
45] Tetrachloroethene	6.65	164	110024	49.002	ppb		98
46) Dibromochloromethane	6.87	129	116441	50.981	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	84279	48.741	ppb		98
48) Chlorobenzene	7.43	112	252495	49.970	ppb		97
49] Ethylbenzene	7.54	91	331213	49.687	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	104306	51.065	ppb		99
51] m,p-Xylene	7.65	106	289211	98.445	ppb		98
52] o-Xylene	8.01	106	140463	49.280	ppb	#	76
53) Styrene	8.03	104	222053	49.718	ppb		100
54) Isopropylbenzene	8.37	105	361128	49.622	ppb		98
55) Bromoform	8.20	173	79596	51.722	ppb		93
58) n-Propylbenzene	8.76	91	356480	49.558	ppb		99
59) Bromobenzene	8.65	156	127247	48.940	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	295398	50.030	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	71464	48.480	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	53504	48.335	ppb		97
63) 2-Chlorotoluene	8.84	91	204968	50.560	ppb		99
64) 4-Chlorotoluene	8.94	91	237931	48.844	ppb		99
65) tert-Butylbenzene	9.25	119	309718	49.700	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	307480	50.910	ppb		99
67) sec-Butylbenzene	9.46	105	387860	50.501	ppb		100
68) p-Isopropyltoluene	9.60	119	391269	51.711	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	229101	49.209	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	220763	49.359	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	218840	49.662	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	12693	49.530	ppb		98
73) 1,2,4-Trichlorobenzene	11.59	180	153637	52.501	ppb		98
74) Hexachlorobutadiene	11.77	225	90435	49.681	ppb		97
75) Naphthalene	11.83	128	314286	52.317	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	138480	51.939	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	53347	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	50610	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29761	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	17508	10.511	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%				
30) 1,2-Dichloroethane-d4	4.45	102	3465	10.477	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.80%				
35) Toluene-d8	6.11	98	52777	10.625	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.20%				
57) 4-Bromofluorobenzene	8.51	95	17765	9.682	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 96.80%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	574	No Calib			
4) Dichlorodifluoromethane	1.10	85	415346	106.698	ppb		97
5) Chloromethane	1.24	50	277263	103.976	ppb		90
6] Vinyl chloride	1.31	62	289351	97.746	ppb		94
7) Bromomethane	1.56	94	245839	97.131	ppb		96
8] Chloroethane	1.64	64	140393	96.078	ppb		97
9) Trichlorofluoromethane	1.83	101	766031	108.825	ppb		94
10) 2-Propanol	2.32	45	574	No Calib			
11) Acetone	2.32	58	60937	479.367	ppb		97
12] 1,1-Dichloroethene	2.26	96	232196	98.876	ppb		96
13) Hexane	3.15	57	127236	103.453	ppb		99
14) Methylene chloride	2.68	84	122887	95.423	ppb		98
15) t-Butyl alcohol (TBA)	2.81	59	57060	515.828	ppb		97
16] Methyl t-butyl ether (...	2.92	73	293438	99.628	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	149360	98.477	ppb		99
18) Diisopropyl ether (DIPE)	3.34	45	264918	103.189	ppb		98
19] 1,1-Dichloroethane	3.27	63	175346	100.557	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	145525	96.460	ppb		95
21) 2,2-Dichloropropane	3.76	77	139160	103.675	ppb		96
22] cis-1,2-Dichloroethene	3.76	96	157523	97.827	ppb		95
23) Chloroform	4.03	83	227768	99.378	ppb		98
24) 2-Butanone (MEK)	3.78	43	245161	515.889	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	280736	101.936	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	147492	97.888	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	240841	103.424	ppb		92
28) 1,1-Dichloropropene	4.32	75	157253	100.502	ppb		96
29) Carbon tetrachloride	4.32	117	265267	95.559	ppb		98
31] Benzene	4.50	78	453809	100.501	ppb		96
32] Trichloroethene	5.04	95	166729	99.662	ppb	#	80
33) 1,2-Dichloropropane	5.24	63	96004	104.086	ppb		100
34) Bromodichloromethane	5.48	83	172801	96.743	ppb		99
36) Dibromomethane	5.34	93	95167	104.050	ppb		95

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

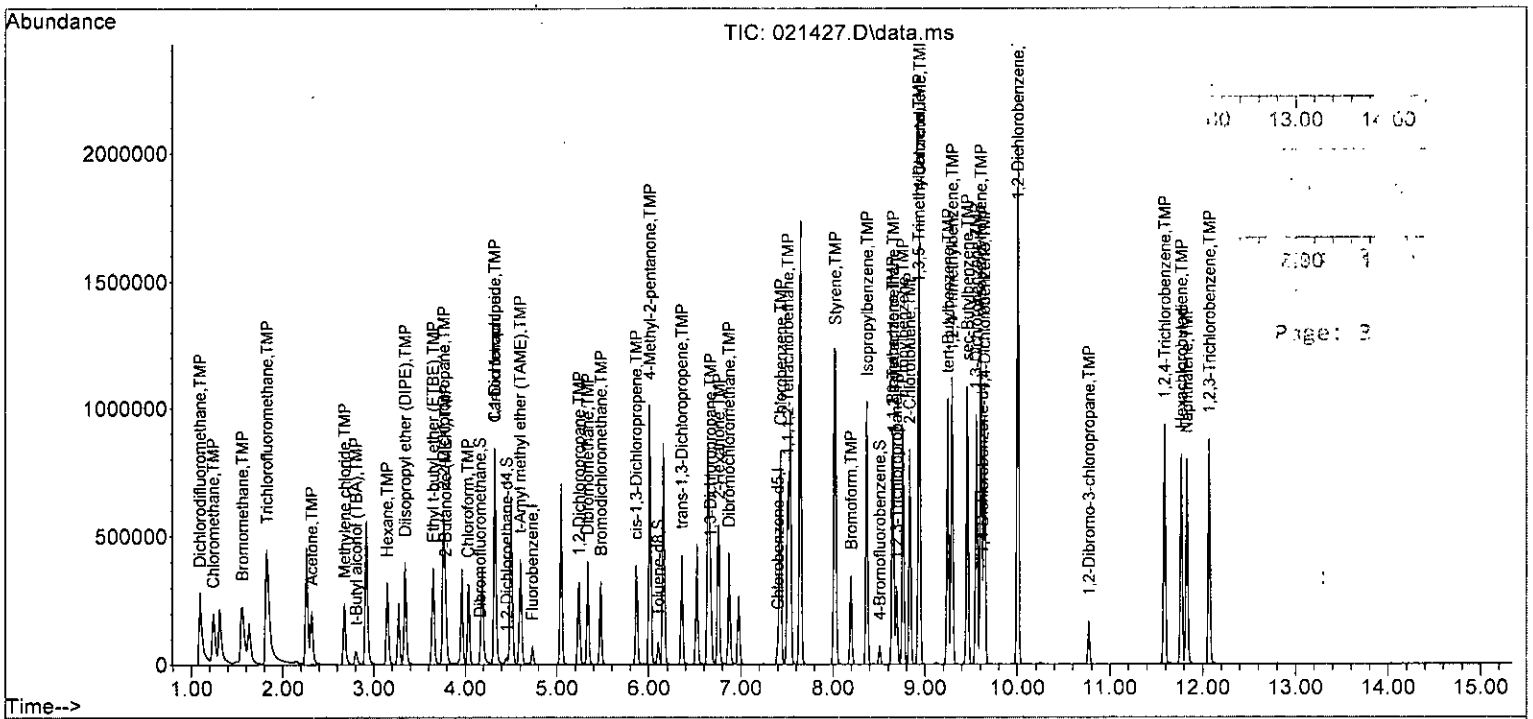
Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

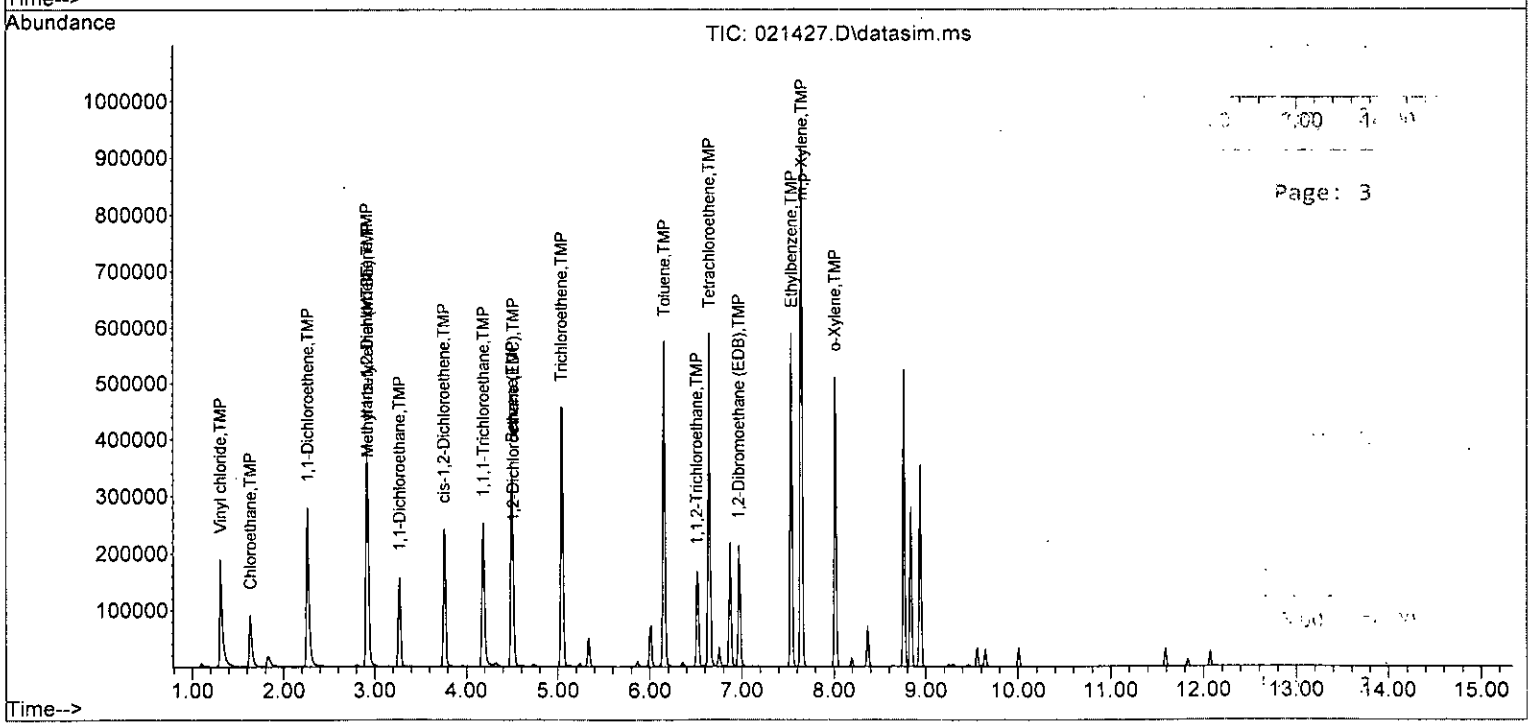
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	122539	534.571	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	185026	101.110	ppb		95
40] Toluene	6.16	92	347349	97.164	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	168879	105.490	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	99324	96.744	ppb	#	72
43) 2-Hexanone	6.76	43	354803	485.617	ppb		96
44) 1,3-Dichloropropane	6.67	76	163691	95.167	ppb		93
45] Tetrachloroethene	6.65	164	205436	94.476	ppb		98
46) Dibromochloromethane	6.87	129	228449	103.270	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	159930	95.496	ppb		98
48) Chlorobenzene	7.43	112	480943	98.273	ppb		98
49] Ethylbenzene	7.54	91	614637	95.205	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	202140	102.176	ppb		98
51] m,p-Xylene	7.65	106	535020	188.046	ppb		97
52] o-Xylene	8.01	106	263446	95.435	ppb		79
53) Styrene	8.03	104	416815	96.357	ppb		100
54) Isopropylbenzene	8.37	105	681722	96.717	ppb		98
55) Bromoform	8.20	173	158543	106.370	ppb		93
58) n-Propylbenzene	8.76	91	665395	94.303	ppb		100
59) Bromobenzene	8.65	156	241024	94.503	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	549727	94.916	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	136031	94.044	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	101767	93.725	ppb		97
63) 2-Chlorotoluene	8.84	91	376232	94.663	ppb		99
64) 4-Chlorotoluene	8.94	91	442117	92.526	ppb		98
65) tert-Butylbenzene	9.25	119	584622	95.638	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	581155	98.095	ppb		99
67) sec-Butylbenzene	9.46	105	731609	97.111	ppb		99
68) p-Isopropyltoluene	9.60	119	739297	99.608	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	439566	96.253	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	418616	95.417	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	420647	97.316	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	26115	103.886	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	310022	108.001	ppb		99
74) Hexachlorobutadiene	11.77	225	178694	100.077	ppb		97
75) Naphthalene	11.83	128	650358	99.958	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	281521	99.698	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.511	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	100.000	106.698	-6.7	100	-0.01
5	TMP	Chloromethane	100.000	103.976	-4.0	100	-0.01
6	TMP	Vinyl chloride	100.000	97.746	2.3	100	-0.02
7	TMP	Bromomethane	100.000	97.131	2.9	100	-0.01
8	TMP	Chloroethane	100.000	96.078	3.9	100	-0.02
9	TMP	Trichlorofluoromethane	100.000	108.825	-8.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	500.000	479.367	4.1	100	-0.01
12	TMP	1,1-Dichloroethene	100.000	98.876	1.1	100	-0.01
13	TMP	Hexane	100.000	103.453	-3.5	100	-0.01
14	TMP	Methylene chloride	100.000	95.423	4.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	500.000	515.828	-3.2	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.628	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	100.000	98.477	1.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	100.000	103.189	-3.2	100	-0.01
19	TMP	1,1-Dichloroethane	100.000	100.557	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	96.460	3.5	100	-0.01
21	TMP	2,2-Dichloropropane	100.000	103.675	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	97.827	2.2	100	-0.01
23	TMP	Chloroform	100.000	99.378	0.6	100	-0.01
24	TMP	2-Butanone (MEK)	500.000	515.889	-3.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	100.000	101.936	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	100.000	97.888	2.1	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	103.424	-3.4	100	0.00
28	TMP	1,1-Dichloropropene	100.000	100.502	-0.5	100	-0.01
29	TMP	Carbon tetrachloride	100.000	95.559	4.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.477	-4.8	100	0.00
31	TMP	Benzene	100.000	100.501	-0.5	100	0.00
32	TMP	Trichloroethene	100.000	99.662	0.3	100	-0.01
33	TMP	1,2-Dichloropropane	100.000	104.086	-4.1	100	0.00
34	TMP	Bromodichloromethane	100.000	96.743	3.3	100	0.00
35	S	Toluene-d8	10.000	10.625	-6.3	100	0.00
36	TMP	Dibromomethane	100.000	104.050	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	534.571	-6.9	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	101.110	-1.1	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	97.164	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	105.490	-5.5	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	96.744	3.3	100	-0.01
43	TMP	2-Hexanone	500.000	485.617	2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	95.167	4.8	100	0.00
45	TMP	Tetrachloroethene	100.000	94.476	5.5	100	0.00
46	TMP	Dibromochloromethane	100.000	103.270	-3.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	95.496	4.5	100	0.00
48	TMP	Chlorobenzene	100.000	98.273	1.7	100	0.00
49	TMP	Ethylbenzene	100.000	95.205	4.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	102.176	-2.2	100	0.00
51	TMP	m,p-Xylene	200.000	188.046	6.0	100	0.00
52	TMP	o-Xylene	100.000	95.435	4.6	100	0.00
53	TMP	Styrene	100.000	96.357	3.6	100	0.00
54	TMP	Isopropylbenzene	100.000	96.717	3.3	100	0.00
55	TMP	Bromoform	100.000	106.370	-6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.682	3.2	100	0.00
58	TMP	n-Propylbenzene	100.000	94.303	5.7	100	0.00
59	TMP	Bromobenzene	100.000	94.503	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	94.916	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	94.044	6.0	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	93.725	6.3	100	0.00
63	TMP	2-Chlorotoluene	100.000	94.663	5.3	100	0.00
64	TMP	4-Chlorotoluene	100.000	92.526	7.5	100	0.00
65	TMP	tert-Butylbenzene	100.000	95.638	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	98.095	1.9	100	0.00
67	TMP	sec-Butylbenzene	100.000	97.111	2.9	100	0.00
68	TMP	p-Isopropyltoluene	100.000	99.608	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	96.253	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	95.417	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	97.316	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	103.886	-3.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	108.001	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	100.000	100.077	-0.1	100	0.00
75	TMP	Naphthalene	100.000	99.958	0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	99.698	0.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.779	-6.7	100	-0.01
5	TMP	Chloromethane	0.500	0.520	-4.0	100	-0.01
6	TMP	Vinyl chloride	0.532	0.542	-1.9	100	-0.02
7	TMP	Bromomethane	0.491	0.461	6.1	100	-0.01
8	TMP	Chloroethane	0.247	0.263	-6.5	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.436	-8.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	100	-0.01
13	TMP	Hexane	0.231	0.239	-3.5	100	-0.01
14	TMP	Methylene chloride	0.235	0.230	2.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.550	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.497#	-3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.329	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.273	-5.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.261	-11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	-0.01
23	TMP	Chloroform	0.430	0.427	0.7	100	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.526	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.276	8.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.451	-3.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.295	-0.7	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.497	-7.3	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.851	2.9	100	0.00
32	TMP	Trichloroethene	0.338	0.313	7.4	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.324	-8.0	100	0.00
35	S	Toluene-d8	0.931	0.989	-6.2	100	0.00
36	TMP	Dibromomethane	0.171	0.178	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.347	-12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.686	10.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.334	-5.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.323	5.0	100	0.00
45	TMP	Tetrachloroethene	0.452	0.406	10.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.451	-3.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.316	4.5	100	0.00
48	TMP	Chlorobenzene	0.967	0.950	1.8	100	0.00
49	TMP	Ethylbenzene	1.331	1.214	8.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.529	10.3	100	0.00
52	TMP	o-Xylene	0.566	0.521	8.0	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.313	-6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.597	3.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.236	5.7	100	0.00
59	TMP	Bromobenzene	0.857	0.810	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.847	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.457#	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.342#	6.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.264	9.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.486	7.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.964	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.953	1.9	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.458	2.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.484	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.477	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.407	4.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.413	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.088	-4.8	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.042	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.600	0.0	100	0.00
75	TMP	Naphthalene	1.920	2.185	-13.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.946	-10.0	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	53199	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	49596	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28754	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17455	10.508 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%		
30) 1,2-Dichloroethane-d4	4.45	102	3459	10.488 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.90%		
35) Toluene-d8	6.11	98	52734	10.646 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.50%		
57) 4-Bromofluorobenzene	8.51	95	17560	9.905 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.10%		
Target Compounds					Qvalue
2) Ethanol	2.33	45	941	No Calib	
4) Dichlorodifluoromethane	1.11	85	606900	156.341 ppb	96
5) Chloromethane	1.25	50	402023	151.181 ppb	89
6] Vinyl chloride	1.32	62	424303	143.730 ppb	90
7) Bromomethane	1.57	94	367191	145.655 ppb	97
8] Chloroethane	1.65	64	212447	145.729 ppb	94
9) Trichlorofluoromethane	1.84	101	1124631	160.214 ppb	96
10) 2-Propanol	2.33	45	941	No Calib #	
11) Acetone	2.33	58	91851	699.089 ppb #	86
12] 1,1-Dichloroethene	2.27	96	346071	147.777 ppb	95
13) Hexane	3.16	57	182597	148.879 ppb	98
14) Methylene chloride	2.68	84	185963	144.665 ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	88181	799.383 ppb	98
16] Methyl t-butyl ether (...	2.93	73	432611	147.288 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	223108	147.510 ppb	96
18) Diisopropyl ether (DIPE)	3.35	45	390533	152.541 ppb	97
19] 1,1-Dichloroethane	3.27	63	261312	150.274 ppb	98
20) Ethyl t-butyl ether (E...	3.66	87	218922	145.458 ppb	94
21) 2,2-Dichloropropane	3.76	77	198640	148.363 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	235051	146.381 ppb	97
23) Chloroform	4.04	83	340148	148.823 ppb	99
24) 2-Butanone (MEK)	3.79	43	366706	773.801 ppb	96
25) t-Amyl methyl ether (T...	4.61	73	414213	150.820 ppb	98
26] 1,2-Dichloroethane (EDC)	4.52	62	217722	144.910 ppb	99
27] 1,1,1-Trichloroethane	4.19	97	363506	156.534 ppb	98
28) 1,1-Dichloropropene	4.33	75	236634	151.656 ppb	98
29) Carbon tetrachloride	4.33	117	405130	146.275 ppb	97
31] Benzene	4.50	78	676886	150.323 ppb	99
32] Trichloroethene	5.05	95	245746	147.309 ppb	98
33) 1,2-Dichloropropane	5.24	63	143269	155.763 ppb	99
34) Bromodichloromethane	5.48	83	259436	145.617 ppb	99
36) Dibromomethane	5.34	93	143179	156.979 ppb	98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

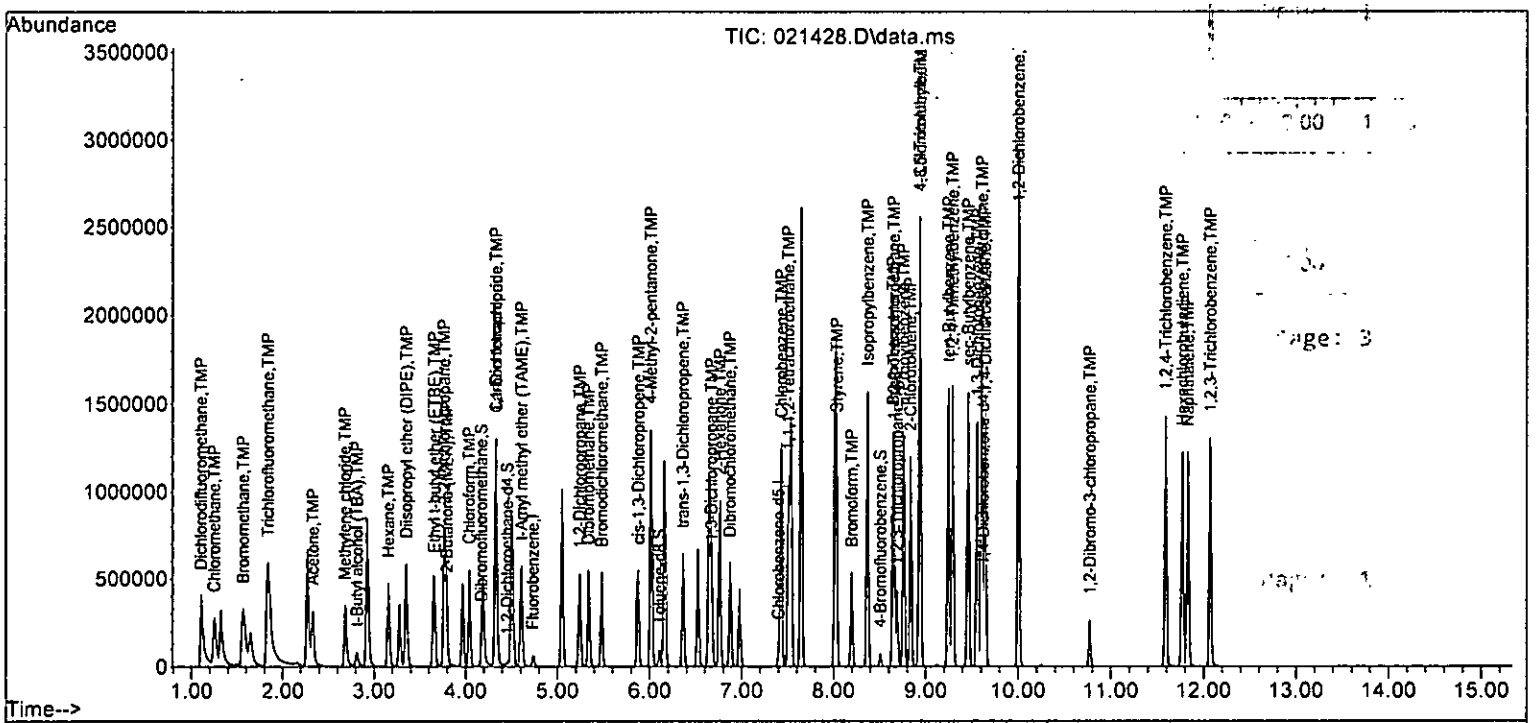
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	185189	810.126	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	279974	145.764	ppb	94
40] Toluene	6.16	92	515185	147.066	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	257127	163.898	ppb	99
42] 1,1,2-Trichloroethane	6.53	83	148535	147.635	ppb	99
43) 2-Hexanone	6.76	43	528092	737.574	ppb	96
44) 1,3-Dichloropropane	6.67	76	240712	142.807	ppb	94
45] Tetrachloroethene	6.65	164	306097	143.650	ppb	100
46) Dibromochloromethane	6.87	129	340099	156.884	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	237329	144.609	ppb	100
48) Chlorobenzene	7.43	112	720826	150.300	ppb	98
49] Ethylbenzene	7.54	91	904105	142.910	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	304304	156.962	ppb	99
51] m,p-Xylene	7.65	106	785409	281.703	ppb	99
52] o-Xylene	8.02	106	387120	143.107	ppb	98
53) Styrene	8.03	104	613324	144.684	ppb	94
54) Isopropylbenzene	8.37	105	1003749	145.315	ppb	99
55) Bromoform	8.20	173	240617	164.735	ppb	94
58) n-Propylbenzene	8.76	91	976871	143.296	ppb	99
59) Bromobenzene	8.65	156	361773	146.816	ppb	98
60) 1,3,5-Trimethylbenzene	8.94	105	805011	143.860	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.65	83	206884	148.017	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	151359	144.279	ppb	97
63) 2-Chlorotoluene	8.84	91	551814	143.734	ppb	100
64) 4-Chlorotoluene	8.94	91	648753	140.526	ppb	97
65) tert-Butylbenzene	9.25	119	862802	146.088	ppb	95
66) 1,2,4-Trimethylbenzene	9.29	105	860405	150.316	ppb	99
67) sec-Butylbenzene	9.46	105	1076201	147.854	ppb	99
68) p-Isopropyltoluene	9.61	119	1079674	150.562	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	649331	147.165	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	620255	146.328	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	623597	149.321	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	40124	165.205	ppb	93
73) 1,2,4-Trichlorobenzene	11.59	180	468157	168.802	ppb	98
74) Hexachlorobutadiene	11.77	225	264846	153.520	ppb	96
75) Naphthalene	11.83	128	1011118	147.122	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	428140	146.388	ppb	99

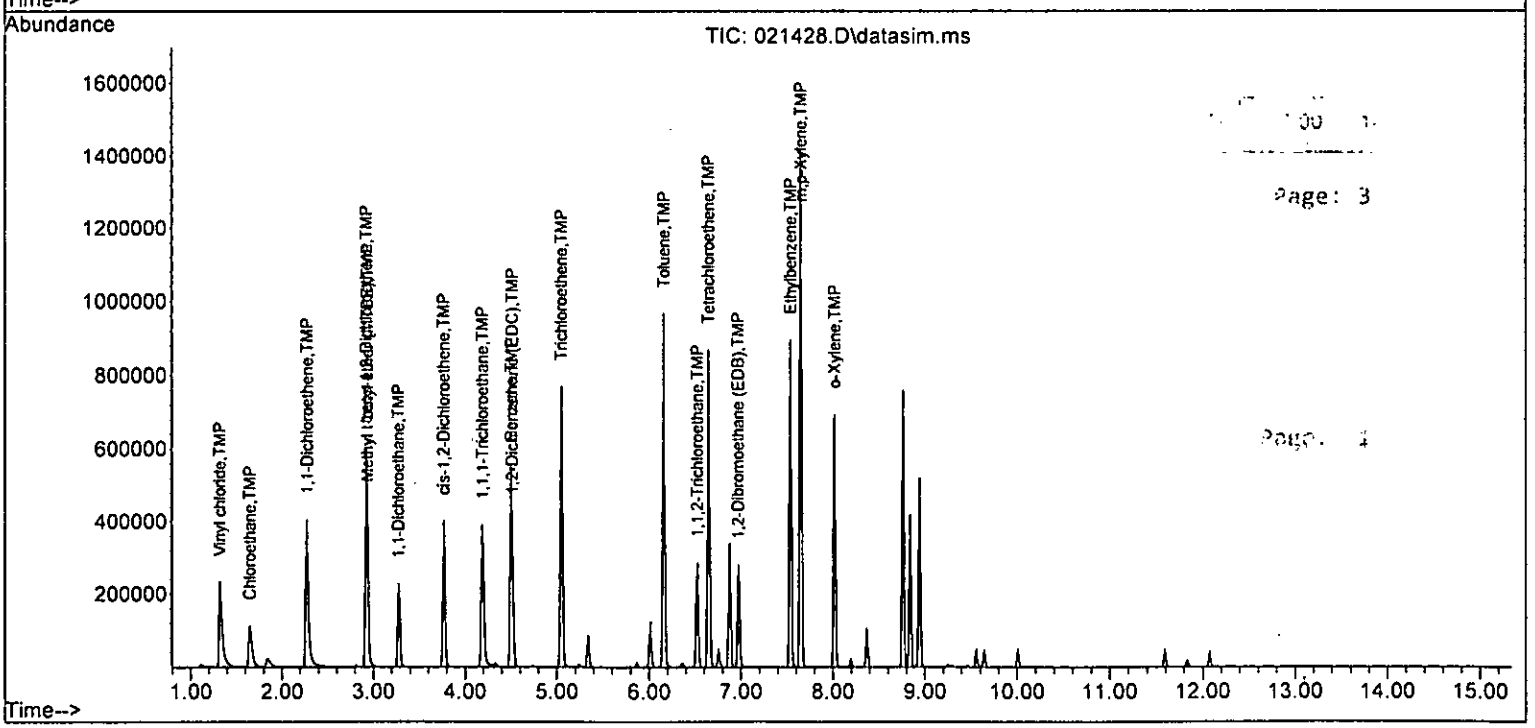
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.508	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	156.341	-4.2	100	0.00
5	TMP	Chloromethane	150.000	151.181	-0.8	100	0.00
6	TMP	Vinyl chloride	150.000	143.730	4.2	100	-0.01
7	TMP	Bromomethane	150.000	145.655	2.9	100	0.00
8	TMP	Chloroethane	150.000	145.729	2.8	100	-0.01
9	TMP	Trichlorofluoromethane	150.000	160.214	-6.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	750.000	699.089	6.8	100	0.00
12	TMP	1,1-Dichloroethene	150.000	147.777	1.5	100	0.00
13	TMP	Hexane	150.000	148.879	0.7	100	0.00
14	TMP	Methylene chloride	150.000	144.665	3.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	750.000	799.383	-6.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	147.288	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	147.510	1.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	152.541	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	150.000	150.274	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	145.458	3.0	100	0.00
21	TMP	2,2-Dichloropropane	150.000	148.363	1.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.381	2.4	100	0.00
23	TMP	Chloroform	150.000	148.823	0.8	100	0.00
24	TMP	2-Butanone (MEK)	750.000	773.801	-3.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	150.820	-0.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.910	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	156.534	-4.4	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.656	-1.1	100	0.00
29	TMP	Carbon tetrachloride	150.000	146.275	2.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.488	-4.9	100	0.00
31	TMP	Benzene	150.000	150.323	-0.2	100	0.00
32	TMP	Trichloroethene	150.000	147.309	1.8	100	0.00
33	TMP	1,2-Dichloropropane	150.000	155.763	-3.8	100	0.00
34	TMP	Bromodichloromethane	150.000	145.617	2.9	100	0.00
35	S	Toluene-d8	10.000	10.646	-6.5	100	0.00
36	TMP	Dibromomethane	150.000	156.979	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	810.126	-8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	145.764	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	147.066	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	163.898	-9.3	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	147.635	1.6	100	0.00
43	TMP	2-Hexanone	750.000	737.574	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	142.807	4.8	100	0.00
45	TMP	Tetrachloroethene	150.000	143.650	4.2	100	0.00
46	TMP	Dibromochloromethane	150.000	156.884	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	144.609	3.6	100	0.00
48	TMP	Chlorobenzene	150.000	150.300	-0.2	100	0.00
49	TMP	Ethylbenzene	150.000	142.910	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	156.962	-4.6	100	0.00
51	TMP	m,p-Xylene	300.000	281.703	6.1	100	0.00
52	TMP	o-Xylene	150.000	143.107	4.6	100	0.00
53	TMP	Styrene	150.000	144.684	3.5	100	0.00
54	TMP	Isopropylbenzene	150.000	145.315	3.1	100	0.00
55	TMP	Bromoform	150.000	164.735	-9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.905	1.0	100	0.00
58	TMP	n-Propylbenzene	150.000	143.296	4.5	100	0.00
59	TMP	Bromobenzene	150.000	146.816	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	143.860	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	148.017	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	144.279	3.8	100	0.00
63	TMP	2-Chlorotoluene	150.000	143.734	4.2	100	0.00
64	TMP	4-Chlorotoluene	150.000	140.526	6.3	100	0.00
65	TMP	tert-Butylbenzene	150.000	146.088	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	150.316	-0.2	100	0.00
67	TMP	sec-Butylbenzene	150.000	147.854	1.4	100	0.00
68	TMP	p-Isopropyltoluene	150.000	150.562	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	147.165	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	146.328	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	149.321	0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	165.205	-10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	168.802	-12.5	100	0.00
74	TMP	Hexachlorobutadiene	150.000	153.520	-2.3	100	0.00
75	TMP	Naphthalene	150.000	147.122	1.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	146.388	2.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.761	-4.2	100	0.00
5	TMP	Chloromethane	0.500	0.504	-0.8	100	0.00
6	TMP	Vinyl chloride	0.532	0.532	0.0	100	-0.01
7	TMP	Bromomethane	0.491	0.460	6.3	100	0.00
8	TMP	Chloroethane	0.247	0.266	-7.7	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.409	-6.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.434	1.4	100	0.00
13	TMP	Hexane	0.231	0.229	0.9	100	0.00
14	TMP	Methylene chloride	0.235	0.233	0.9	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.489#	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.327	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.249	-6.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	0.00
23	TMP	Chloroform	0.430	0.426	0.9	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.519	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.273	9.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.456	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.297	-1.4	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.508	-9.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.848	3.2	100	0.00
32	TMP	Trichloroethene	0.338	0.308	8.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.325	-8.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.351	-13.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.693	9.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.346	-9.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.200	1.5	100	0.00
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.324	4.7	100	0.00
45	TMP	Tetrachloroethene	0.452	0.411	9.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.457	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.969	-0.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.215	8.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.409	-4.6	100	0.00
51	TMP	m,p-Xylene	0.590	0.528	10.5	100	0.00
52	TMP	o-Xylene	0.566	0.520	8.1	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.349	3.2	100	0.00
55	TMP	Bromoform	0.295	0.323	-9.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.265	4.5	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.866	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.480#	-1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.351#	3.8	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.279	8.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.504	6.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.000	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.995	-0.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.495	1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.503	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.505	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.438	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.446	0.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.093	-10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.085	-12.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.614	-2.3	100	0.00
75	TMP	Naphthalene	1.920	2.344	-22.1#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.993	-15.5	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	52882	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49700	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28223	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	16908	10.240	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3372	10.286	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%			
35) Toluene-d8	6.11	98	51904	10.541	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 105.40%			
57) 4-Bromofluorobenzene	8.51	95	17256	9.917	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.20%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	1557	No Calib		
4) Dichlorodifluoromethane	1.11	85	876785	227.218	ppb	97
5) Chloromethane	1.25	50	593427	224.496	ppb	90
6] Vinyl chloride	1.32	62	621251	211.703	ppb	95
7) Bromomethane	1.57	94	522857	208.798	ppb	97
8] Chloroethane	1.65	64	306533	211.473	ppb	96
9) Trichlorofluoromethane	1.83	101	1629459	233.523	ppb	95
10) 2-Propanol	2.32	45	1557	No Calib	#	
11) Acetone	2.32	58	145963	1056.569	ppb	99
12] 1,1-Dichloroethene	2.26	96	498749	214.250	ppb	87
13) Hexane	3.16	57	276745	226.994	ppb	98
14) Methylene chloride	2.68	84	269930	211.120	ppb	94
15) t-Butyl alcohol (TBA)	2.81	59	131901	1202.884	ppb	98
16] Methyl t-butyl ether (...	2.93	73	620167	212.410	ppb	96
17] trans-1,2-Dichloroethene	2.92	96	323107	214.906	ppb	91
18) Diisopropyl ether (DIPE)	3.35	45	566858	222.740	ppb	97
19] 1,1-Dichloroethane	3.27	63	376878	218.033	ppb	96
20) Ethyl t-butyl ether (E...	3.65	87	315802	211.037	ppb	97
21) 2,2-Dichloropropane	3.76	77	266022	199.852	ppb	95
22] cis-1,2-Dichloroethene	3.77	96	336777	210.990	ppb	94
23) Chloroform	4.04	83	493979	217.424	ppb	97
24) 2-Butanone (MEK)	3.78	43	526141	1116.887	ppb	99
25) t-Amyl methyl ether (T...	4.60	73	599887	219.736	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	308742	206.731	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	520946	225.676	ppb	96
28) 1,1-Dichloropropene	4.33	75	341802	220.370	ppb	99
29) Carbon tetrachloride	4.33	117	586428	212.939	ppb	98
31] Benzene	4.50	78	971008	216.936	ppb	98
32] Trichloroethene	5.05	95	359907	217.040	ppb	94
33) 1,2-Dichloropropane	5.24	63	207017	226.419	ppb	99
34) Bromodichloromethane	5.48	83	376251	212.418	ppb	99
36) Dibromomethane	5.34	93	205485	226.641	ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

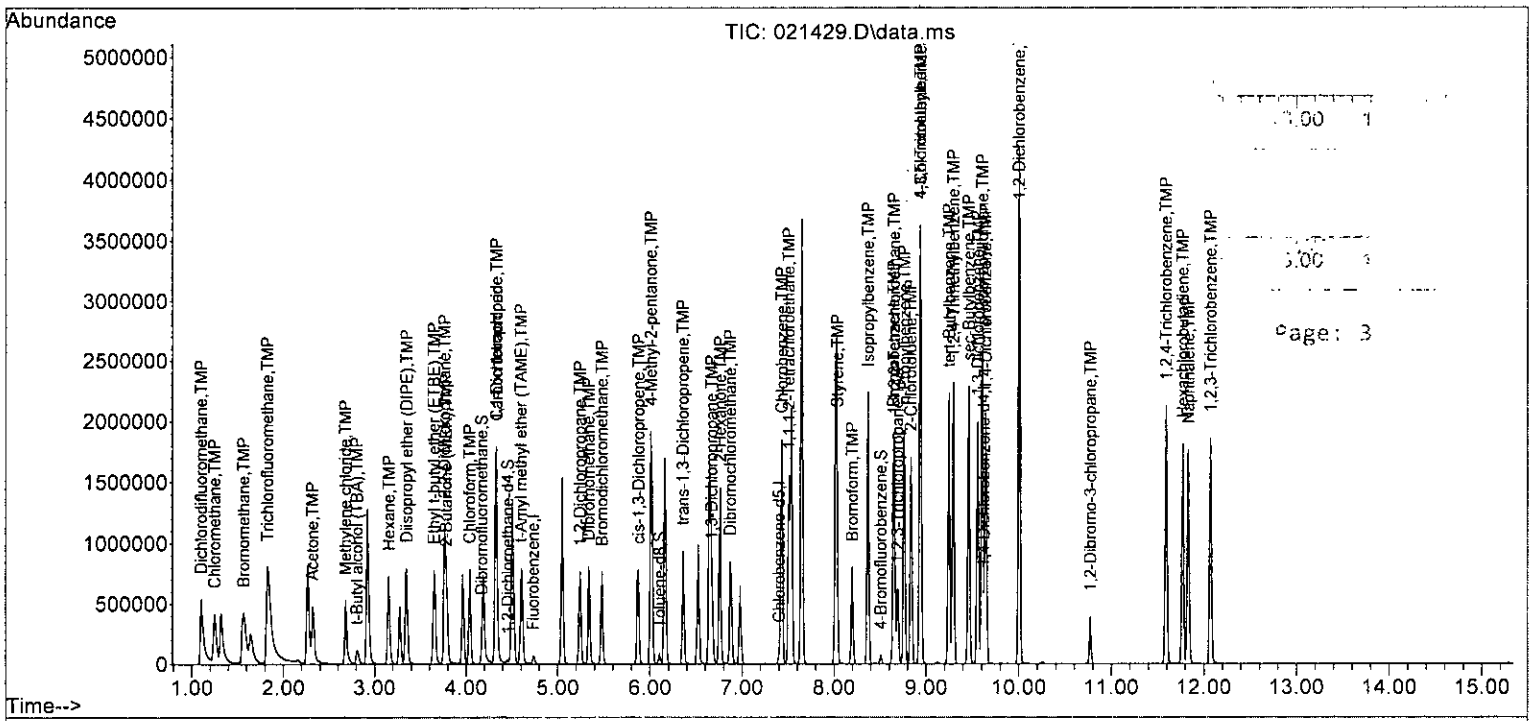
Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

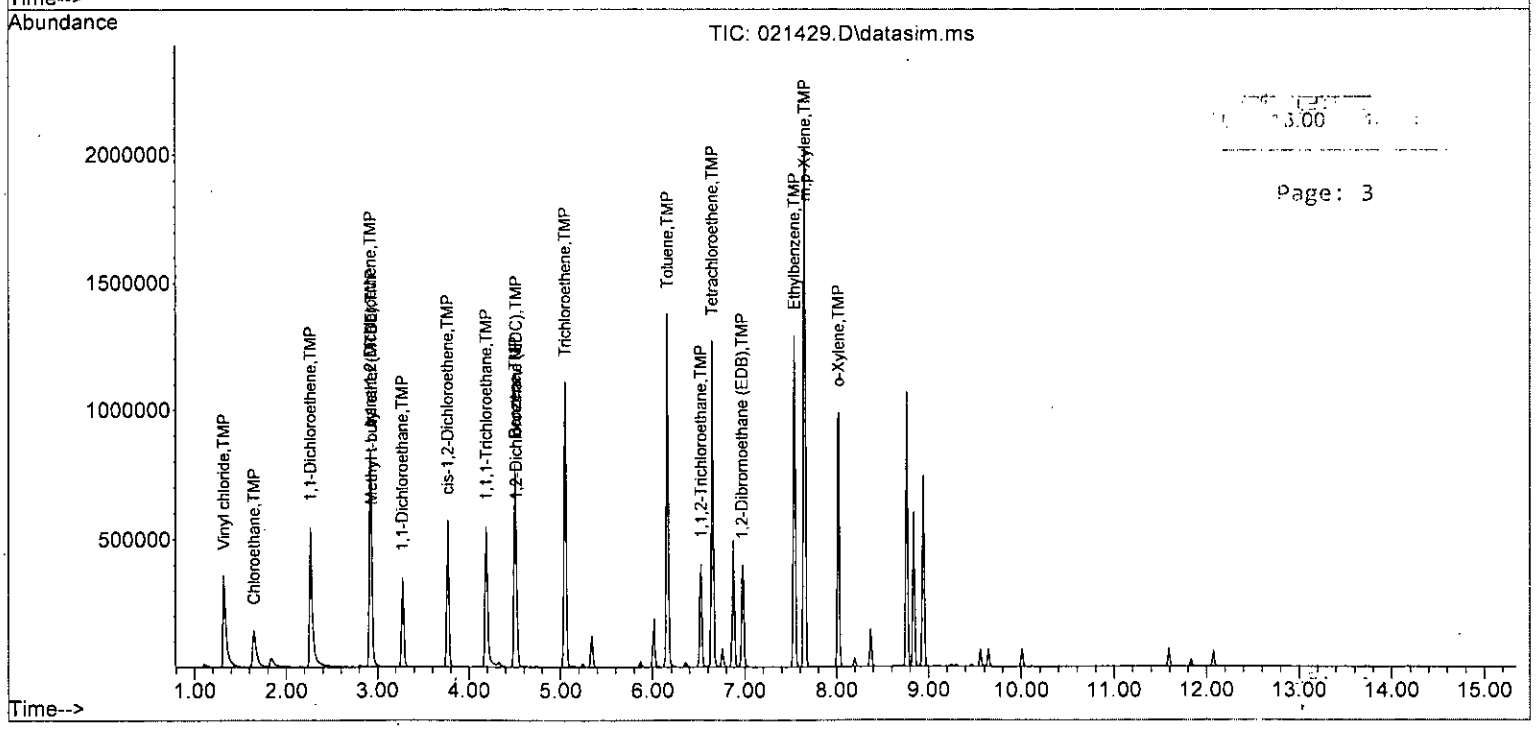
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	269630	1186.592	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	409715	201.924	ppb	93
40] Toluene	6.16	92	740229	210.871	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	375798	239.040	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	213780	212.039	ppb	97
43) 2-Hexanone	6.76	43	781091	1088.649	ppb	97
44) 1,3-Dichloropropane	6.67	76	346393	205.074	ppb	93
45] Tetrachloroethene	6.65	164	439934	206.031	ppb	99
46) Dibromochloromethane	6.87	129	498089	229.282	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	344313	209.357	ppb	100
48) Chlorobenzene	7.43	112	1033251	214.993	ppb	98
49] Ethylbenzene	7.54	91	1286267	202.894	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.51	131	443851	228.462	ppb	98
51] m,p-Xylene	7.65	106	1120262	400.971	ppb	99
52] o-Xylene	8.02	106	549011	202.532	ppb	98
53) Styrene	8.03	104	880911	207.373	ppb	93
54) Isopropylbenzene	8.37	105	1435752	207.422	ppb	99
55) Bromoform	8.20	173	357743	244.412	ppb	94
58) n-Propylbenzene	8.77	91	1397785	208.897	ppb	97
59) Bromobenzene	8.65	156	516816	213.681	ppb	100
60) 1,3,5-Trimethylbenzene	8.94	105	1140153	207.586	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.65	83	290008	211.378	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	219443	213.114	ppb	97
63) 2-Chlorotoluene	8.84	91	792216	210.263	ppb	99
64) 4-Chlorotoluene	8.94	91	922737	203.634	ppb	95
65) tert-Butylbenzene	9.25	119	1219142	210.307	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	1231261	219.153	ppb	99
67) sec-Butylbenzene	9.46	105	1536242	215.028	ppb	98
68) p-Isopropyltoluene	9.61	119	1548527	220.008	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	931698	215.133	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	885859	212.921	ppb	98
71) 1,2-Dichlorobenzene	10.00	146	895719	218.516	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	59449	249.378	ppb	92
73) 1,2,4-Trichlorobenzene	11.59	180	692320	254.324	ppb	99
74) Hexachlorobutadiene	11.77	225	383570	226.523	ppb	97
75) Naphthalene	11.83	128	1493553	201.557	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	627094	202.209	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.240	-2.4	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	227.218	-13.6	100	0.00
5	TMP	Chloromethane	200.000	224.496	-12.2	100	0.00
6	TMP	Vinyl chloride	200.000	211.703	-5.9	100	-0.01
7	TMP	Bromomethane	200.000	208.798	-4.4	100	0.00
8	TMP	Chloroethane	200.000	211.473	-5.7	100	-0.01
9	TMP	Trichlorofluoromethane	200.000	233.523	-16.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	1000.000	1056.569	-5.7	100	-0.01
12	TMP	1,1-Dichloroethene	200.000	214.250	-7.1	100	-0.01
13	TMP	Hexane	200.000	226.994	-13.5	100	0.00
14	TMP	Methylene chloride	200.000	211.120	-5.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	1000.000	1202.884	-20.3#	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	200.000	212.410	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	214.906	-7.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	222.740	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	200.000	218.033	-9.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	211.037	-5.5	100	-0.01
21	TMP	2,2-Dichloropropane	200.000	199.852	0.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	210.990	-5.5	100	0.00
23	TMP	Chloroform	200.000	217.424	-8.7	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	1116.887	-11.7	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	200.000	219.736	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	200.000	206.731	-3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	225.676	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	200.000	220.370	-10.2	100	0.00
29	TMP	Carbon tetrachloride	200.000	212.939	-6.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.286	-2.9	100	0.00
31	TMP	Benzene	200.000	216.936	-8.5	100	0.00
32	TMP	Trichloroethene	200.000	217.040	-8.5	100	0.00
33	TMP	1,2-Dichloropropane	200.000	226.419	-13.2	100	0.00
34	TMP	Bromodichloromethane	200.000	212.418	-6.2	100	0.00
35	S	Toluene-d8	10.000	10.541	-5.4	100	0.00
36	TMP	Dibromomethane	200.000	226.641	-13.3	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	1186.592	-18.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	200.000	201.924	-1.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	210.871	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	239.040	-19.5	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	212.039	-6.0	100	0.00
43	TMP	2-Hexanone	1000.000	1088.649	-8.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	205.074	-2.5	100	0.00
45	TMP	Tetrachloroethene	200.000	206.031	-3.0	100	0.00
46	TMP	Dibromochloromethane	200.000	229.282	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	209.357	-4.7	100	0.00
48	TMP	Chlorobenzene	200.000	214.993	-7.5	100	0.00
49	TMP	Ethylbenzene	200.000	202.894	-1.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	228.462	-14.2	100	0.00
51	TMP	m,p-Xylene	400.000	400.971	-0.2	100	0.00
52	TMP	o-Xylene	200.000	202.532	-1.3	100	0.00
53	TMP	Styrene	200.000	207.373	-3.7	100	0.00
54	TMP	Isopropylbenzene	200.000	207.422	-3.7	100	0.00
55	TMP	Bromoform	200.000	244.412	-22.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.917	0.8	100	0.00
58	TMP	n-Propylbenzene	200.000	208.897	-4.4	100	0.00
59	TMP	Bromobenzene	200.000	213.681	-6.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	207.586	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	211.378	-5.7	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	213.114	-6.6	100	0.00
63	TMP	2-Chlorotoluene	200.000	210.263	-5.1	100	0.00
64	TMP	4-Chlorotoluene	200.000	203.634	-1.8	100	0.00
65	TMP	tert-Butylbenzene	200.000	210.307	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	219.153	-9.6	100	0.00
67	TMP	sec-Butylbenzene	200.000	215.028	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	200.000	220.008	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	215.133	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	212.921	-6.5	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	218.516	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	249.378	-24.7#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	200.000	254.324	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	200.000	226.523	-13.3	100	0.00
75	TMP	Naphthalene	200.000	201.557	-0.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	202.209	-1.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.829	-13.6	100	0.00
5	TMP	Chloromethane	0.500	0.561	-12.2	100	0.00
6	TMP	Vinyl chloride	0.532	0.587	-10.3	100	-0.01
7	TMP	Bromomethane	0.491	0.494	-0.6	100	0.00
8	TMP	Chloroethane	0.247	0.290	-17.4	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.541	-16.8	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.472	-7.3	100	-0.01
13	TMP	Hexane	0.231	0.262	-13.4	100	0.00
14	TMP	Methylene chloride	0.235	0.255	-8.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.025#	-19.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.586	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.305	-7.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.536	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.356	-8.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.299	-15.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.252	-7.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.318	-5.3	100	0.00
23	TMP	Chloroform	0.430	0.467	-8.6	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.099	-11.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.567	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.292	3.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.493	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.323	-10.2	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.554	-19.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.918	-4.8	100	0.00
32	TMP	Trichloroethene	0.338	0.340	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.196	-13.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.356	-18.7	100	0.00
35	S	Toluene-d8	0.931	0.982	-5.5	100	0.00
36	TMP	Dibromomethane	0.171	0.194	-13.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.051	-18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.387	-25.2#	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.745	2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.378	-19.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.215	-5.9	100	0.00
43	TMP	2-Hexanone	0.144	0.157	-9.0	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.443	2.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.501	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.346	-4.5	100	0.00
48	TMP	Chlorobenzene	0.967	1.039	-7.4	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.447	-14.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.564	4.4	100	0.00
52	TMP	o-Xylene	0.566	0.552	2.5	100	0.00
53	TMP	Styrene	0.855	0.886	-3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.444	-3.7	100	0.00
55	TMP	Bromoform	0.295	0.360	-22.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.476	-4.4	100	0.00
59	TMP	Bromobenzene	0.857	0.916	-6.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.020	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.514	-8.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.389#	-6.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.635	-1.8	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.160	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.181	-9.5	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.722	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.743	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.651	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.569	-6.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.587	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.105	-25.0#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.227	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.680	-13.3	100	0.00
75	TMP	Naphthalene	1.920	2.646	-37.8#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	1.111	-29.2#	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	60557	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55535	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32100	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	19279	10.196	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.00%				
30) 1,2-Dichloroethane-d4	4.45	102	3692	9.834	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.30%				
35) Toluene-d8	6.11	98	58054	10.296	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.00%				
57) 4-Bromofluorobenzene	8.51	95	19398	9.801	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.00%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	163	No Calib			
4) Dichlorodifluoromethane	1.10	85	52224	11.819	ppb		98
5) Chloromethane	1.24	50	32604	10.771	ppb		90
6] Vinyl chloride	1.31	62	34531	10.282	ppb		94
7) Bromomethane	1.55	94	32255	10.917	ppb		89
8] Chloroethane	1.64	64	16468	10.038	ppb		99
9) Trichlorofluoromethane	1.83	101	74294	9.298	ppb		94
10) 2-Propanol	2.32	45	163	No Calib	#		
11) Acetone	2.32	58	8542	62.741	ppb		97
12] 1,1-Dichloroethene	2.26	96	27963	10.490	ppb		95
13) Hexane	3.15	57	14195	10.168	ppb		99
14) Methylene chloride	2.68	84	14787	10.355	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	6369	50.721	ppb		94
16] Methyl t-butyl ether (...	2.92	73	34890	10.435	ppb		100
17] trans-1,2-Dichloroethene	2.91	96	17487	10.157	ppb		100
18) Diisopropyl ether (DIPE)	3.34	45	31177	10.698	ppb		98
19] 1,1-Dichloroethane	3.27	63	21688	10.957	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	16569	9.774	ppb		93
21) 2,2-Dichloropropane	3.76	77	14767	9.768	ppb		99
22] cis-1,2-Dichloroethene	3.76	96	19743	10.801	ppb		95
23) Chloroform	4.03	83	26443	10.164	ppb		97
24) 2-Butanone (MEK)	3.78	43	30608	56.740	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	33077	10.580	ppb		94
26] 1,2-Dichloroethane (EDC)	4.52	62	18085	10.556	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	27831	10.528	ppb		93
28) 1,1-Dichloropropene	4.32	75	19187	10.803	ppb		95
29) Carbon tetrachloride	4.32	117	29639	9.531	ppb		98
31] Benzene	4.49	78	54536	10.635	ppb		94
32] Trichloroethene	5.04	95	20551	10.811	ppb	#	79
33) 1,2-Dichloropropane	5.23	63	10680	10.201	ppb		99
34) Bromodichloromethane	5.48	83	18909	9.387	ppb		99
36) Dibromomethane	5.34	93	10844	10.445	ppb		93

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

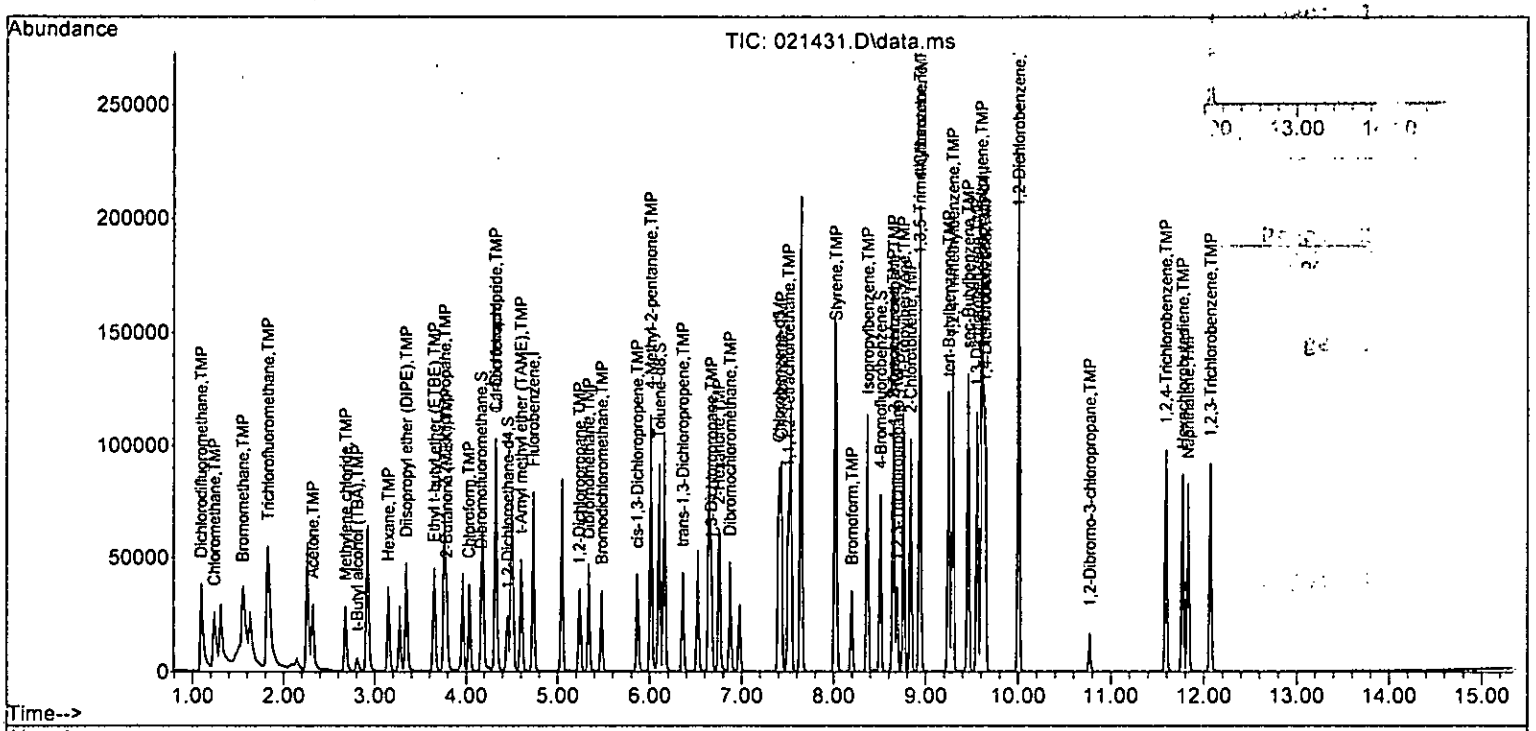
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	14076	54.095	ppb		96
38) cis-1,3-Dichloropropene	5.86	75	19188	10.360	ppb		91
40] Toluene	6.16	92	40182	10.232	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	17765	10.113	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	11297	10.028	ppb	#	72
43) 2-Hexanone	6.75	43	40889	51.001	ppb		97
44) 1,3-Dichloropropane	6.67	76	18750	9.934	ppb		98
45] Tetrachloroethene	6.65	164	23900	10.009	ppb		98
46) Dibromochloromethane	6.87	129	24216	9.976	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	19127	10.408	ppb		98
48) Chlorobenzene	7.43	112	54558	10.159	ppb		98
49] Ethylbenzene	7.53	91	73721	10.401	ppb		90
50) 1,1,1,2-Tetrachloroethane	7.51	131	22672	10.444	ppb		99
51] m,p-Xylene	7.64	106	65989	21.123	ppb		81
52] o-Xylene	8.01	106	32296	10.657	ppb		79
53) Styrene	8.03	104	49427	10.413	ppb		99
54) Isopropylbenzene	8.37	105	77150	9.975	ppb		99
55) Bromoform	8.20	173	16364	10.005	ppb		95
58) n-Propylbenzene	8.76	91	78654	10.335	ppb		100
59) Bromobenzene	8.65	156	28429	10.335	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	64720	10.360	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	15227	9.790	ppb		97
62) 1,2,3-Trichloropropane	8.69	75	11842	10.111	ppb		98
63) 2-Chlorotoluene	8.84	91	46410	10.774	ppb		100
64) 4-Chlorotoluene	8.94	91	54139	10.505	ppb		99
65) tert-Butylbenzene	9.25	119	67965	10.308	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	67431	10.552	ppb		97
67) sec-Butylbenzene	9.46	105	83954	10.332	ppb		99
68) p-Isopropyltoluene	9.60	119	84143	10.511	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	50409	10.234	ppb		100
70) 1,4-Dichlorobenzene	9.64	146	49517	10.464	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	46883	10.056	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	2650	9.774	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	32656	10.547	ppb		98
74) Hexachlorobutadiene	11.77	225	19109	9.922	ppb		98
75) Naphthalene	11.83	128	67016	11.581	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	28889	11.007	ppb		94

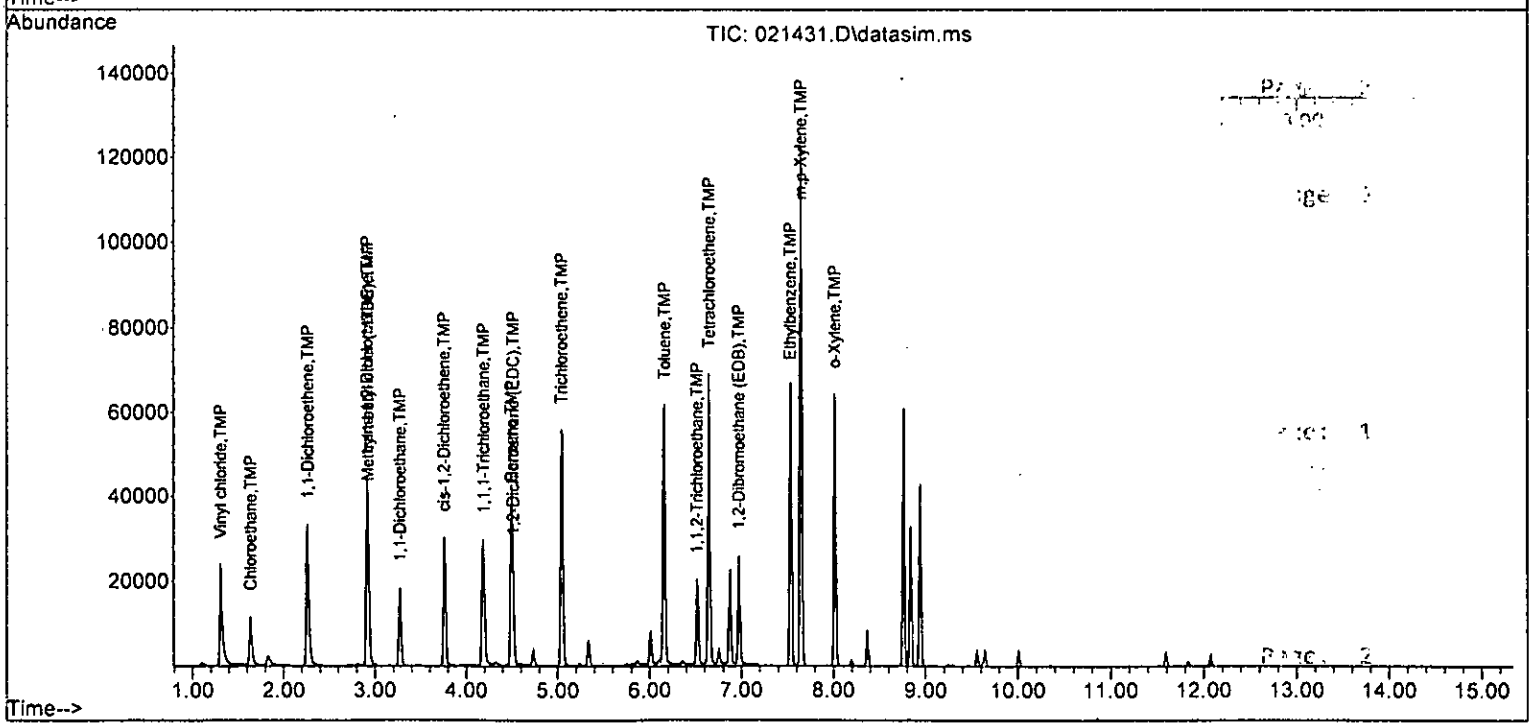
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	91	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.196	-2.0	98	-0.01
4	TMP	Dichlorodifluoromethane	10.000	11.819	-18.2	112	-0.01
5	TMP	Chloromethane	10.000	10.771	-7.7	111	-0.01
6	TMP	Vinyl chloride	10.000	10.282	-2.8	106	-0.02
7	TMP	Bromomethane	10.000	10.917	-9.2	108	-0.02
8	TMP	Chloroethane	10.000	10.038	-0.4	102	-0.02
9	TMP	Trichlorofluoromethane	10.000	9.298	7.0	90	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	220	-0.02
11	TMP	Acetone	50.000	62.741	-25.5#	120	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.490	-4.9	101	-0.01
13	TMP	Hexane	10.000	10.168	-1.7	100	-0.01
14	TMP	Methylene chloride	10.000	10.355	-3.6	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	50.721	-1.4	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.435	-4.4	103	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.157	-1.6	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	10.698	-7.0	103	-0.01
19	TMP	1,1-Dichloroethane	10.000	10.957	-9.6	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.774	2.3	102	-0.01
21	TMP	2,2-Dichloropropane	10.000	9.768	2.3	106	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.801	-8.0	106	-0.01
23	TMP	Chloroform	10.000	10.164	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	50.000	56.740	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.580	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.556	-5.6	103	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.528	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	10.000	10.803	-8.0	109	-0.01
29	TMP	Carbon tetrachloride	10.000	9.531	4.7	103	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.834	1.7	88	0.00
31	TMP	Benzene	10.000	10.635	-6.3	104	-0.01
32	TMP	Trichloroethene	10.000	10.811	-8.1	102	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.201	-2.0	98	-0.01
34	TMP	Bromodichloromethane	10.000	9.387	6.1	101	0.00
35	S	Toluene-d8	10.000	10.296	-3.0	101	0.00
36	TMP	Dibromomethane	10.000	10.445	-4.5	102	0.00
37	TMP	4-Methyl-2-pentanone	50.000	54.095	-8.2	105	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.360	-3.6	104	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	99	0.00
40	TMP	Toluene	10.000	10.232	-2.3	103	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.113	-1.1	106	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.028	-0.3	102	-0.01
43	TMP	2-Hexanone	50.000	51.001	-2.0	105	-0.01

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.934	0.7	105	0.00
45	TMP	Tetrachloroethene	10.000	10.009	-0.1	101	0.00
46	TMP	Dibromochloromethane	10.000	9.976	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.408	-4.1	108	0.00
48	TMP	Chlorobenzene	10.000	10.159	-1.6	102	0.00
49	TMP	Ethylbenzene	10.000	10.401	-4.0	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.444	-4.4	106	0.00
51	TMP	m,p-Xylene	20.000	21.123	-5.6	104	0.00
52	TMP	o-Xylene	10.000	10.657	-6.6	106	0.00
53	TMP	Styrene	10.000	10.413	-4.1	105	0.00
54	TMP	Isopropylbenzene	10.000	9.975	0.3	102	0.00
55	TMP	Bromoform	10.000	10.005	-0.1	106	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	10.000	9.801	2.0	98	0.00
58	TMP	n-Propylbenzene	10.000	10.335	-3.4	104	0.00
59	TMP	Bromobenzene	10.000	10.335	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.360	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.790	2.1	104	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.111	-1.1	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.774	-7.7	104	0.00
64	TMP	4-Chlorotoluene	10.000	10.505	-5.1	107	0.00
65	TMP	tert-Butylbenzene	10.000	10.308	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.552	-5.5	106	0.00
67	TMP	sec-Butylbenzene	10.000	10.332	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	10.000	10.511	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.234	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.464	-4.6	107	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.056	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.774	2.3	111	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.547	-5.5	114	0.00
74	TMP	Hexachlorobutadiene	10.000	9.922	0.8	103	0.00
75	TMP	Naphthalene	10.000	11.581	-15.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	11.007	-10.1	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	91	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.318	-1.9	98	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.862	-18.1	112	-0.01
5	TMP	Chloromethane	0.500	0.538	-7.6	111	-0.01
6	TMP	Vinyl chloride	0.532	0.570	-7.1	106	-0.02
7	TMP	Bromomethane	0.491	0.533	-8.6	108	-0.02
8	TMP	Chloroethane	0.247	0.272	-10.1	102	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.227	7.0	90	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	220#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	120	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.462	-5.0	101	-0.01
13	TMP	Hexane	0.231	0.234	-1.3	100	-0.01
14	TMP	Methylene chloride	0.235	0.244	-3.8	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.576	-4.3	103	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.289	-1.8	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.515	-7.1	103	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.358	-9.5	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	102	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.244	-3.8	106	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.326	-7.9	106	-0.01
23	TMP	Chloroform	0.430	0.437	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.101	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.546	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.299	0.7	103	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.460	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	0.293	0.317	-8.2	109	-0.01
29	TMP	Carbon tetrachloride	0.463	0.489	-5.6	103	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	88	0.00
31	TMP	Benzene	0.876	0.901	-2.9	104	-0.01
32	TMP	Trichloroethene	0.338	0.339	-0.3	102	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.176	-1.7	98	-0.01
34	TMP	Bromodichloromethane	0.300	0.312	-4.0	101	0.00
35	S	Toluene-d8	0.931	0.959	-3.0	101	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	102	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	105	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.317	-2.6	104	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
40	TMP	Toluene	0.764	0.724	5.2	103	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.320	-1.3	106	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	102	-0.01
43	TMP	2-Hexanone	0.144	0.147	-2.1	105	-0.01

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	105	0.00
45	TMP	Tetrachloroethene	0.452	0.430	4.9	101	0.00
46	TMP	Dibromochloromethane	0.437	0.436	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.344	-3.9	108	0.00
48	TMP	Chlorobenzene	0.967	0.982	-1.6	102	0.00
49	TMP	Ethylbenzene	1.331	1.327	0.3	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.408	-4.3	106	0.00
51	TMP	m,p-Xylene	0.590	0.594	-0.7	104	0.00
52	TMP	o-Xylene	0.566	0.582	-2.8	106	0.00
53	TMP	Styrene	0.855	0.890	-4.1	105	0.00
54	TMP	Isopropylbenzene	1.393	1.389	0.3	102	0.00
55	TMP	Bromoform	0.295	0.295	0.0	106	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	0.617	0.604	2.1	98	0.00
58	TMP	n-Propylbenzene	2.371	2.450	-3.3	104	0.00
59	TMP	Bromobenzene	0.857	0.886	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.016	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.474#	-0.2	104	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.369#	-1.1	104	0.00
63	TMP	2-Chlorotoluene	1.399	1.446	-3.4	104	0.00
64	TMP	4-Chlorotoluene	1.606	1.687	-5.0	107	0.00
65	TMP	tert-Butylbenzene	2.054	2.117	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.101	-5.5	106	0.00
67	TMP	sec-Butylbenzene	2.531	2.615	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	2.494	2.621	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.570	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.543	-4.7	107	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.461	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.083	1.2	111	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.017	-5.4	114	0.00
74	TMP	Hexachlorobutadiene	0.600	0.595	0.8	103	0.00
75	TMP	Naphthalene	1.920	2.088	-8.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.900	-4.7	109	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Compound List Report GCMS11

Method Path : Y:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.63	1.000	A	1	A	B
2	T	Ethanol	45	1.87	0.404	A	1	A	B
3	S	Dibromofluoromethane	113	4.07	0.879	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.08	0.233	A	1	A	B
5	T	Chloromethane	50	1.22	0.263	A	1	A	B
6	T	Vinyl chloride	-62	1.29	0.279	A	1	A	B
7	T	Bromomethane	94	1.53	0.331	A	1	A	B
8	T	Chloroethane	-64	1.60	0.345	A	1	A	B
9	T	Trichlorofluoromethane	101	1.77	0.384	A	1	A	B
10	T	2-Propanol	45	2.39	0.516	A	1	A	B
11	T	Acetone	58	2.26	0.489	A	1	A	B
12	T	1,1-Dichloroethene	-96	2.19	0.472	A	2	A	B
13	T	Hexane	57	3.05	0.659	A	2	A	B
14	T	Methylene chloride	84	2.60	0.562	A	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.73	0.591	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.83	0.611	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.82	0.610	L	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.24	0.701	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.17	0.686	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.54	0.765	A	3	A	B
21	T	2,2-Dichloropropane	77	3.66	0.791	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.66	0.791	L	2	A	B
23	T	Chloroform	83	3.94	0.851	A	1	A	B
24	T	2-Butanone (MEK)	43	3.70	0.799	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.49	0.970	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.41	0.953	Q	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.07	0.880	A	2	A	B
28	T	1,1-Dichloropropene	75	4.21	0.909	A	2	A	B
29	T	Carbon tetrachloride	117	4.21	0.909	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.35	0.940	A	1	A	B
31	T	Benzene	-78	4.38	0.948	A	1	A	B
32	T	Trichloroethene	-95	4.93	1.065	L	3	A	B
33	T	1,2-Dichloropropane	63	5.13	1.109	A	1	A	B
34	T	Bromodichloromethane	83	5.37	1.159	A	2	A	B
35	S	Toluene-d8	98	5.97	1.291	A	1	A	B
36	T	Dibromomethane	93	5.22	1.129	A	2	A	B
37	T	4-Methyl-2-pentanone	85	5.89	1.274	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.75	1.243	A	2	A	B
39	I	Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T	Toluene	-92	6.03	0.829	A	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.40	0.881	A	2	A	B
43	T	2-Hexanone	43	6.64	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.55	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.51	0.896	A	3	A	B
46	T	Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T	Chlorobenzene	112	7.29	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.40	1.018	A	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.38	1.015	L	2	A	B
51	T	m,p-Xylene	-106	7.51	1.033	L	1	A	B
52	T	o-Xylene	-106	7.88	1.083	A	1	A	B
53	T	Styrene	104	7.90	1.086	A	1	A	B
54	T	Isopropylbenzene	105	8.23	1.131	A	1	A	B
55	T	Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.883	A	2	A	B
58	T	n-Propylbenzene	91	8.62	0.909	A	1	A	B
59	T	Bromobenzene	156	8.51	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.79	0.927	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.53	0.900	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.56	0.903	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.917	A	1	A	B
64	T	4-Chlorotoluene	91	8.80	0.928	A	1	A	B
65	T	tert-Butylbenzene	119	9.10	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.15	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.31	0.982	A	1	A	B
68	T	p-Isopropyltoluene	119	9.46	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.41	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.50	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.86	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.54	1.112	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.68	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB022223ms11.M Thu Feb 23 11:17:04 2023

Calibration Status Report GCMS11

Method Path : Y:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
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2	0.04	0	10	Y:\Proc_GCMS11\02-22-23\022214.D
3	0.1	0	10	Y:\Proc_GCMS11\02-22-23\022215.D
4	0.2	0	10	Y:\Proc_GCMS11\02-22-23\022216.D
5	0.5	1	10	Y:\Proc_GCMS11\02-22-23\022217.D
6	1	1	10	Y:\Proc_GCMS11\02-22-23\022218.D
7	2	2	10	Y:\Proc_GCMS11\02-22-23\022219.D
8	5	5	10	Y:\Proc_GCMS11\02-22-23\022220.D
9	10	10	10	Y:\Proc_GCMS11\02-22-23\022221.D
10	20	20	10	Y:\Proc_GCMS11\02-22-23\022222.D
11	50	50	10	Y:\Proc_GCMS11\02-22-23\022223.D
12	100	100	10	Y:\Proc_GCMS11\02-22-23\022224.D
13	150	150	10	Y:\Proc_GCMS11\02-22-23\022225.D
14	200	200	10	Y:\Proc_GCMS11\02-22-23\022226.D

#	ID	Update Time	Quant Time	Acquisition Time
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2	0.04	Feb 23 09:01 2023	Feb 23 08:57 2023	22 Feb 2023 05:18 pm
3	0.1	Feb 23 09:01 2023	Feb 23 08:57 2023	22 Feb 2023 05:41 pm
4	0.2	Feb 23 09:01 2023	Feb 23 08:59 2023	22 Feb 2023 06:03 pm
5	0.5	Feb 23 09:01 2023	Feb 23 08:59 2023	22 Feb 2023 06:25 pm
6	1	Feb 23 09:01 2023	Feb 23 09:00 2023	22 Feb 2023 06:48 pm
7	2	Feb 23 09:01 2023	Feb 23 09:00 2023	22 Feb 2023 07:11 pm
8	5	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 07:33 pm
9	10	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 07:55 pm
10	20	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 08:18 pm
11	50	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 08:40 pm
12	100	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:03 pm
13	150	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:25 pm
14	200	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:48 pm

VB022223ms11.M Thu Feb 23 11:17:09 2023

Response Factor Report GCMS11

Method Path : S:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 12:59:20 2023
Response Via : Initial Calibration

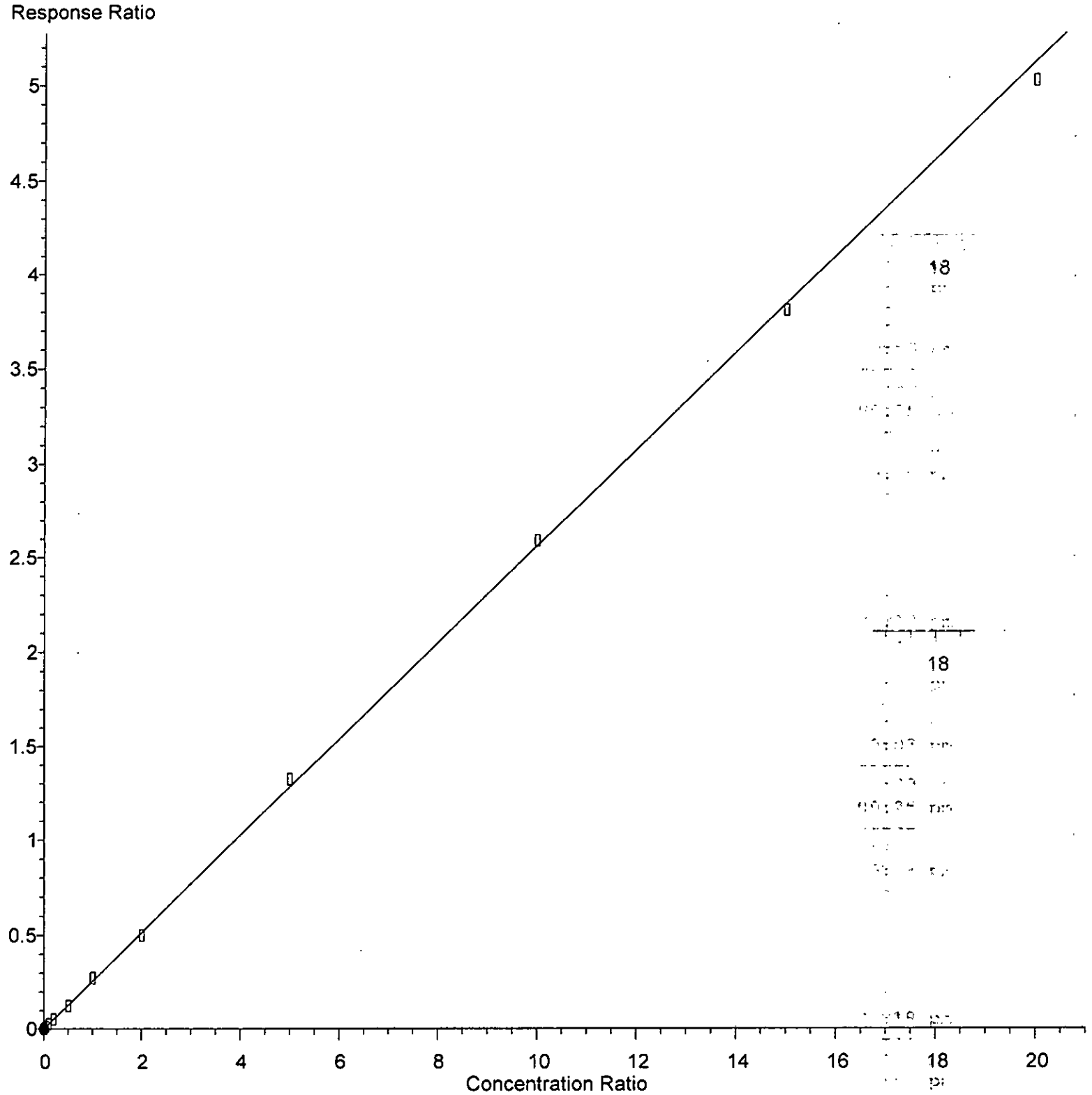
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50 =022223.D 100 =022224.D 150 =022225.D 200 =022226.D

	Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1) I	Fluorobenzene	----------	ISTD	----------													
2) TMP	Ethanol															0.000#	-1.00
3) S	Dibromofluorom...	0.294	0.279	0.273	0.273	0.279	0.284	0.269	0.277	0.294	0.276	0.287	0.275	0.270	0.269	0.278	3.01
4) TMP	Dichlorodifluo...					0.518	0.591	0.581	0.514	0.587	0.521	0.578	0.551	0.541	0.510	0.549	5.95
5) TMP	Chloromethane					0.899	0.790	0.740	0.672	0.741	0.658	0.678	0.680	0.652	0.633	0.714	11.35
6) TMP	Vinyl chloride	0.825	0.677	0.613	0.610	0.575	0.586	0.581	0.560	0.613	0.563	0.580	0.571	0.553	0.536	0.603	12.03
7) TMP	Bromomethane							0.471	0.341	0.357	0.327	0.341	0.353	0.342	0.334	0.358	12.97
8) TMP	Chloroethane					0.273	0.298	0.273	0.271	0.297	0.268	0.282	0.279	0.273	0.268	0.278	4.02
9) TMP	Trichlorofluor...				0.986	0.902	0.807	0.735	0.674	0.746	0.688	0.745	0.734	0.718	0.699	0.767	12.57
10) TMP	2-Propanol															0.000	-1.00
11) TMP	Acetone					0.079	0.080	0.067	0.061	0.071	0.066	0.073	0.072	0.073	0.075	0.072	8.13
12) TMP	1,1-Dichloroet...	0.360	0.331	0.343	0.299	0.288	0.288	0.288	0.267	0.294	0.271	0.288	0.282	0.279	0.274	0.297	9.46
13) TMP	Hexane					0.537	0.466	0.405	0.373	0.418	0.391	0.417	0.408	0.397	0.392	0.420	11.37
14) TMP	Methylene chlo...						0.396	0.336	0.270	0.257	0.244	0.253	0.255	0.249	0.249	0.279	18.71
15) TMP	t-Butyl alcoho...					0.045	0.040	0.039	0.036	0.041	0.038	0.041	0.042	0.039	0.040	0.040	5.95
16) TMP	Methyl t-butyl...	0.717	0.721	0.680	0.715	0.691	0.692	0.702	0.656	0.725	0.662	0.705	0.685	0.669	0.664	0.692	3.39
17) TMP	trans-1,2-Dich...	0.491	0.374	0.284	0.281	0.265	0.260	0.265	0.249	0.274	0.250	0.265	0.259	0.254	0.251	0.287	23.12
18) TMP	Diisopropyl et...				1.117	0.990	0.958	0.970	0.912	0.984	0.916	0.997	0.975	1.006	0.942	0.979	5.65
19) TMP	1,1-Dichloroet...	0.597	0.591	0.523	0.536	0.518	0.513	0.523	0.482	0.538	0.496	0.521	0.509	0.500	0.493	0.524	6.40
20) TMP	Ethyl t-butyl ...				0.352	0.313	0.292	0.314	0.246	0.289	0.267	0.294	0.280	0.281	0.279	0.291	9.46
21) TMP	2,2-Dichloropr...				0.485	0.402	0.308	0.349	0.289	0.329	0.297	0.299	0.288	0.297	0.286	0.330	18.86
22) TMP	cis-1,2-Dichlo...	0.491	0.362	0.304	0.308	0.296	0.291	0.296	0.274	0.313	0.284	0.301	0.293	0.288	0.283	0.313	17.63
23) TMP	Chloroform				0.595	0.480	0.465	0.448	0.433	0.488	0.445	0.473	0.460	0.460	0.455	0.473	9.20
24) TMP	2-Butanone (MEK)				0.224	0.235	0.230	0.265	0.214	0.242	0.248	0.272	0.271	0.253	0.253	0.246	7.82
25) TMP	t-Amyl methyl ...				0.694	0.742	0.658	0.670	0.588	0.654	0.613	0.654	0.624	0.627	0.617	0.649	6.60
26) TMP	1,2-Dichloroet...		0.719	0.497	0.458	0.440	0.420	0.420	0.383	0.427	0.388	0.414	0.402	0.390	0.384	0.442	20.27
27) TMP	1,1,1-Trichlor...	0.474	0.467	0.418	0.439	0.436	0.432	0.437	0.407	0.457	0.418	0.449	0.437	0.434	0.423	0.438	4.34
28) TMP	1,1-Dichloropr...				0.321	0.346	0.334	0.364	0.325	0.345	0.335	0.349	0.352	0.345	0.340	0.341	3.57
29) TMP	Carbon tetrach...				0.577	0.408	0.390	0.416	0.360	0.403	0.366	0.401	0.406	0.393	0.390	0.410	14.15
30) S	1,2-Dichloroet...	0.064	0.066	0.060	0.060	0.066	0.061	0.066	0.058	0.059	0.062	0.059	0.066	0.061	0.058	0.062	5.31
31) TMP	Benzene	1.428	1.219	1.042	1.030	1.019	1.006	1.013	0.938	1.057	0.968	1.033	1.002	0.969	0.954	1.048	12.23
32) TMP	Trichloroethene	0.514	0.410	0.327	0.314	0.306	0.305	0.310	0.286	0.322	0.295	0.311	0.304	0.299	0.295	0.329	18.53
33) TMP	1,2-Dichloropr...				0.409	0.324	0.324	0.277	0.259	0.282	0.261	0.285	0.279	0.273	0.273	0.295	14.75
34) TMP	Bromodichlorom...				0.375	0.336	0.356	0.375	0.321	0.349	0.331	0.366	0.355	0.347	0.349	0.351	4.94
35) S	Toluene-d8	0.888	0.944	0.945	0.892	0.921	0.958	0.919	0.952	0.995	0.968	0.929	1.014	0.915	0.937	0.941	3.76
36) TMP	Dibromomethane				0.180	0.211	0.179	0.202	0.148	0.176	0.160	0.170	0.172	0.166	0.165	0.176	10.26
37) TMP	4-Methyl-2-pen...				0.062	0.046	0.054	0.047	0.045	0.051	0.044	0.049	0.049	0.046	0.046	0.049	10.50

Method Path : S:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition

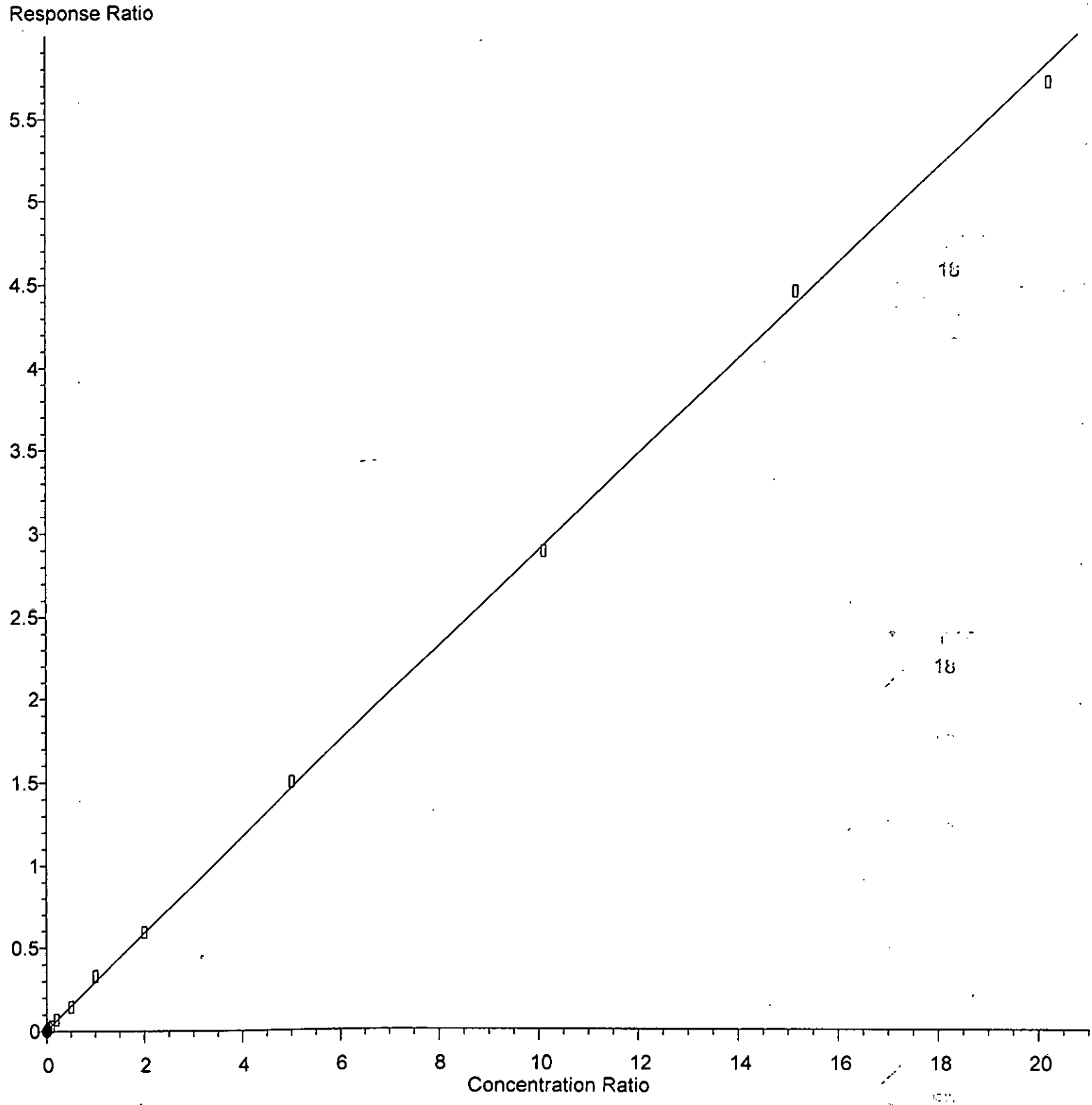
38)	TMP	cis-1,3-Dichlo...				0.504	0.409	0.401	0.366	0.357	0.411	0.377	0.419	0.415	0.405	0.410	0.407	9.46
39)	I	Chlorobenzene-d5	----------ISTD----------															
40)	TMP	Toluene		1.260	0.943	0.872	0.838	0.788	0.854	0.761	0.813	0.772	0.859	0.796	0.807	0.801	0.859	15.14
41)	TMP	trans-1,3-Dich...				0.571	0.524	0.485	0.457	0.413	0.473	0.437	0.492	0.475	0.472	0.478	0.480	8.68
42)	TMP	1,1,2-Trichlor...	0.348	0.328	0.274	0.266	0.249	0.241	0.259	0.228	0.246	0.234	0.262	0.244	0.246	0.247	0.262	13.17
43)	TMP	2-Hexanone					0.377	0.392	0.413	0.368	0.385	0.366	0.407	0.383	0.359	0.360	0.381	4.94
44)	TMP	1,3-Dichloropr...				0.420	0.437	0.439	0.473	0.404	0.421	0.399	0.458	0.431	0.438	0.442	0.433	5.03
45)	TMP	Tetrachloroethene		0.585	0.451	0.413	0.393	0.371	0.404	0.361	0.382	0.360	0.398	0.371	0.374	0.371	0.403	14.99
46)	TMP	Dibromochlorom...				0.427	0.384	0.395	0.415	0.347	0.371	0.355	0.406	0.383	0.382	0.381	0.386	6.19
47)	TMP	1,2-Dibromoeth...			0.403	0.359	0.342	0.324	0.353	0.310	0.331	0.316	0.355	0.327	0.329	0.329	0.340	7.39
48)	TMP	Chlorobenzene				1.020	0.946	0.922	0.982	0.881	0.939	0.888	0.982	0.921	0.942	0.933	0.941	4.35
49)	TMP	Ethylbenzene	2.405	2.080	1.675	1.622	1.556	1.486	1.619	1.428	1.516	1.435	1.586	1.470	1.493	1.482	1.632	16.92
50)	TMP	1,1,1,2-Tetrac...				0.578	0.390	0.356	0.393	0.309	0.361	0.347	0.375	0.353	0.364	0.358	0.380	18.19
51)	TMP	m,p-Xylene	0.993	0.854	0.663	0.648	0.616	0.586	0.638	0.558	0.595	0.569	0.639	0.598	0.613	0.610	0.656	18.35
52)	TMP	o-Xylene	0.864	0.803	0.639	0.638	0.612	0.581	0.644	0.567	0.605	0.577	0.645	0.602	0.616	0.611	0.643	13.25
53)	TMP	Styrene				1.170	0.975	0.899	0.985	0.873	0.931	0.878	1.011	0.945	0.966	0.976	0.964	8.48
54)	TMP	Isopropylbenzene				1.555	1.445	1.422	1.600	1.374	1.485	1.399	1.583	1.458	1.472	1.441	1.476	5.02
55)	TMP	Bromoform				0.387	0.309	0.319	0.335	0.268	0.295	0.275	0.331	0.311	0.317	0.316	0.315	10.10
56)	I	1,4-Dichlorobenzen...	----------ISTD----------															
57)	S	4-Bromofluorob...	0.708	0.729	0.728	0.697	0.726	0.714	0.736	0.690	0.702	0.738	0.758	0.741	0.742	0.734	0.724	2.70
58)	TMP	n-Propylbenzene				3.088	3.213	2.820	3.072	2.599	2.882	2.712	2.990	2.799	2.928	2.794	2.900	6.23
59)	TMP	Bromobenzene				1.033	0.988	0.822	0.830	0.666	0.799	0.756	0.834	0.805	0.837	0.811	0.834	12.00
60)	TMP	1,3,5-Trimethy...				2.461	2.142	1.949	2.274	1.840	2.145	2.017	2.248	2.092	2.222	2.114	2.137	7.88
61)	TMP	1,1,2,2-Tetrac...				1.053	0.718	0.653	0.665	0.565	0.587	0.597	0.668	0.634	0.633	0.620	0.672	19.81
62)	TMP	1,2,3-Trichlor...				0.605	0.557	0.541	0.517	0.450	0.487	0.468	0.516	0.484	0.493	0.476	0.509	8.86
63)	TMP	2-Chlorotoluene				2.081	1.860	1.690	1.924	1.494	1.714	1.621	1.754	1.653	1.731	1.665	1.744	9.17
64)	TMP	4-Chlorotoluene				2.443	2.011	1.974	2.155	1.717	1.943	1.879	2.043	1.930	2.012	1.950	2.005	9.03
65)	TMP	tert-Butylbenzene				2.078	2.118	1.944	2.073	1.698	1.983	1.879	2.107	1.964	2.084	1.989	1.993	6.23
66)	TMP	1,2,4-Trimethy...				2.376	2.138	2.179	2.357	1.964	2.179	2.117	2.357	2.216	2.314	2.218	2.220	5.65
67)	TMP	sec-Butylbenzene				2.989	2.768	2.731	2.792	2.448	2.824	2.701	3.012	2.815	2.939	2.805	2.802	5.54
68)	TMP	p-Isopropyltol...				2.792	2.474	2.382	2.646	2.173	2.458	2.385	2.633	2.449	2.594	2.458	2.495	6.63
69)	TMP	1,3-Dichlorobe...				1.759	1.629	1.427	1.567	1.304	1.472	1.370	1.511	1.419	1.467	1.406	1.485	8.62
70)	TMP	1,4-Dichlorobe...				1.759	1.608	1.444	1.531	1.316	1.454	1.363	1.499	1.384	1.420	1.370	1.468	8.70
71)	TMP	1,2-Dichlorobe...				1.560	1.485	1.363	1.614	1.317	1.376	1.361	1.458	1.369	1.409	1.365	1.425	6.57
72)	TMP	1,2-Dibromo-3-...						0.149	0.160	0.139	0.140	0.130	0.148	0.146	0.149	0.143	0.145	5.76
73)	TMP	1,2,4-Trichlor...				1.400	1.159	1.101	1.237	1.040	1.110	1.077	1.191	1.109	1.176	1.128	1.157	8.45
74)	TMP	Hexachlorobuta...				0.303	0.545	0.617	0.623	0.516	0.584	0.558	0.592	0.564	0.609	0.576	0.553	16.11
75)	TMP	Naphthalene			3.126	3.188	2.548	2.320	2.690	2.196	2.506	2.338	2.601	2.448	2.586	2.484	2.586	11.58
76)	TMP	1,2,3-Trichlor...				1.113	1.103	1.035	1.093	0.934	1.073	1.003	1.099	1.022	1.104	1.053	1.057	5.24

(#) = Out of Range

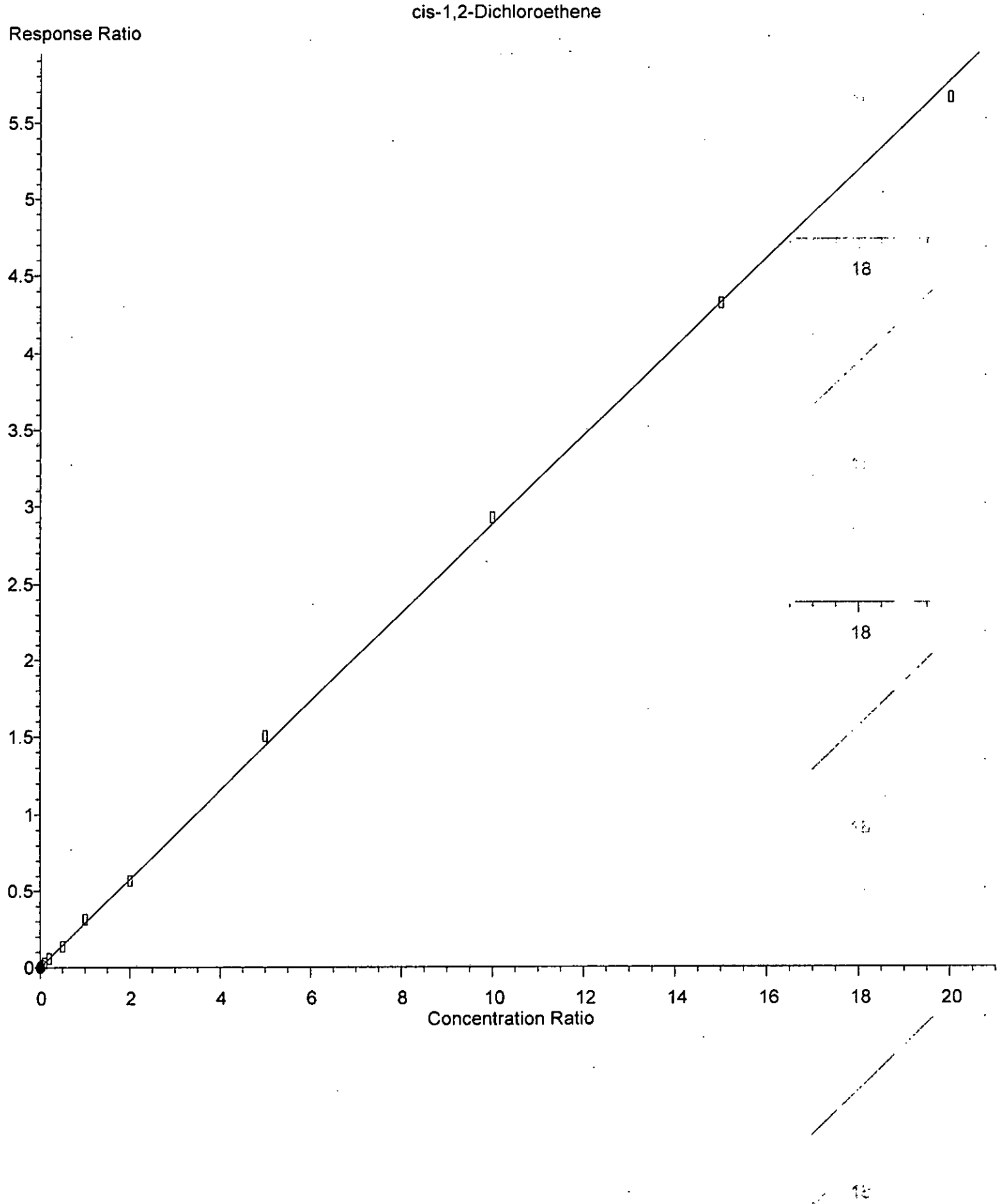


Response = 2.563e-001 * Amt + 4.638e-004
Coef of Det (r^2) = 0.998793 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

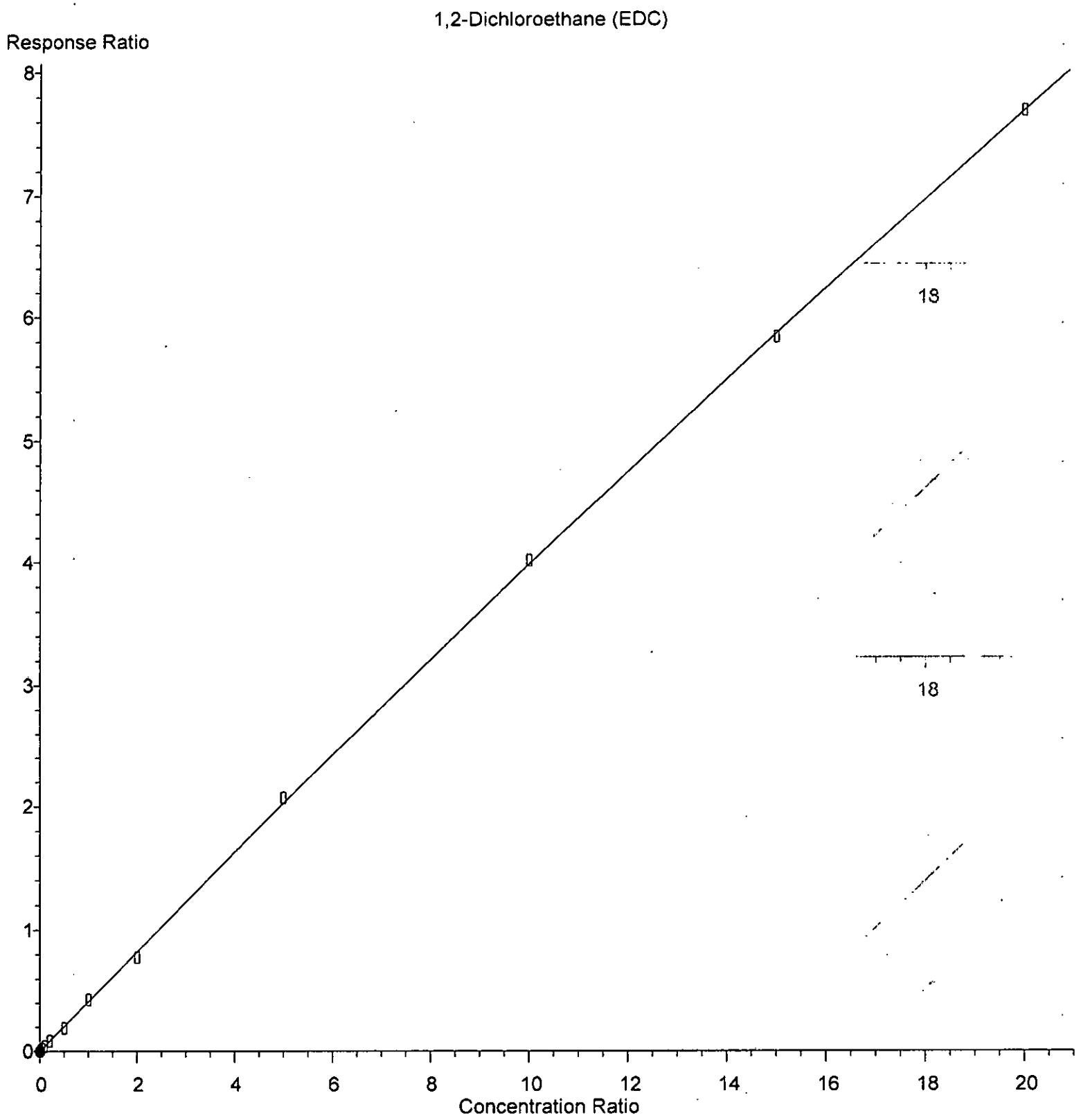
2,2-Dichloropropane



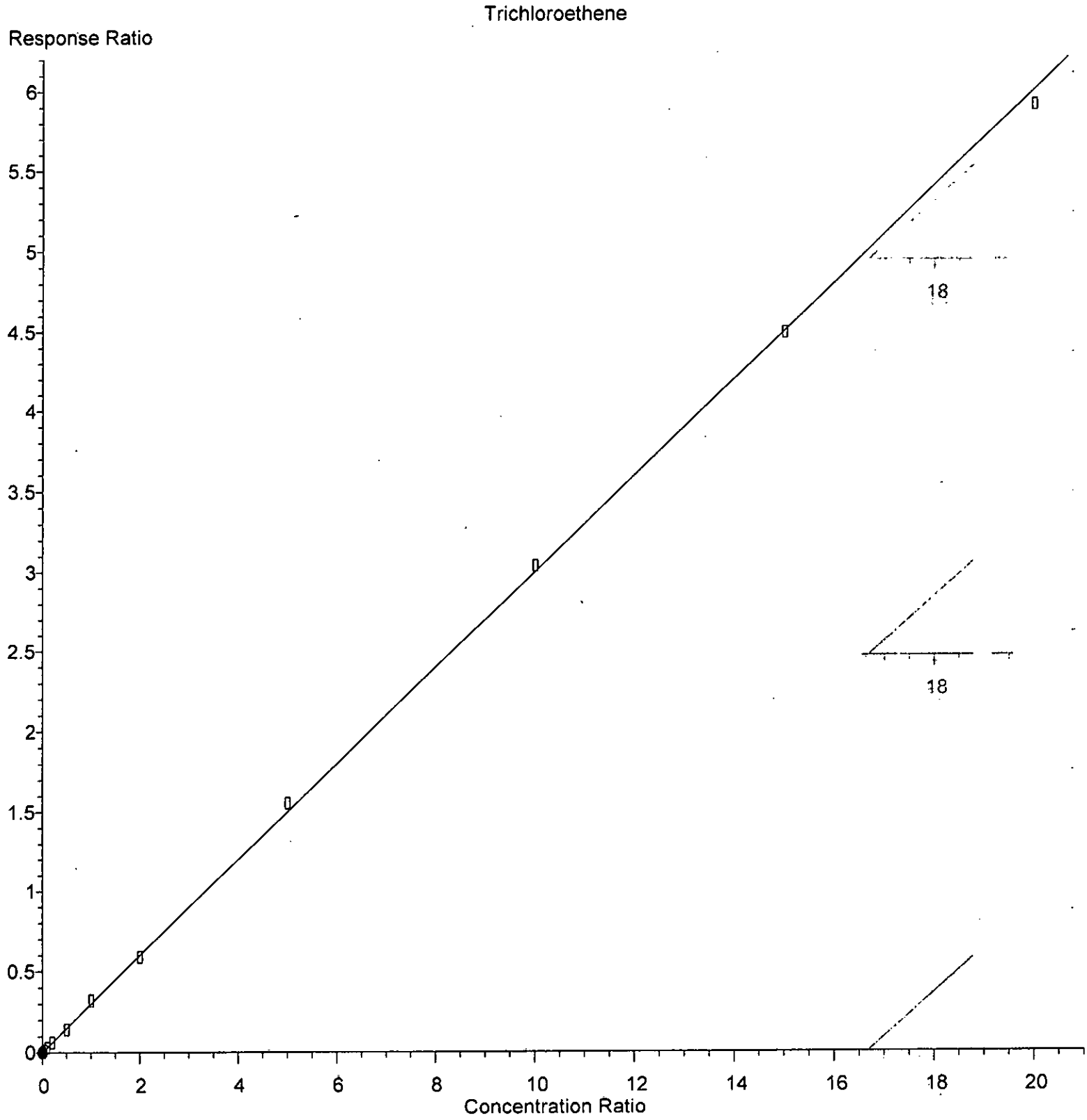
Response = 2.912e-001 * Amt + 4.785e-003
Coef of Det (r^2) = 0.999331 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



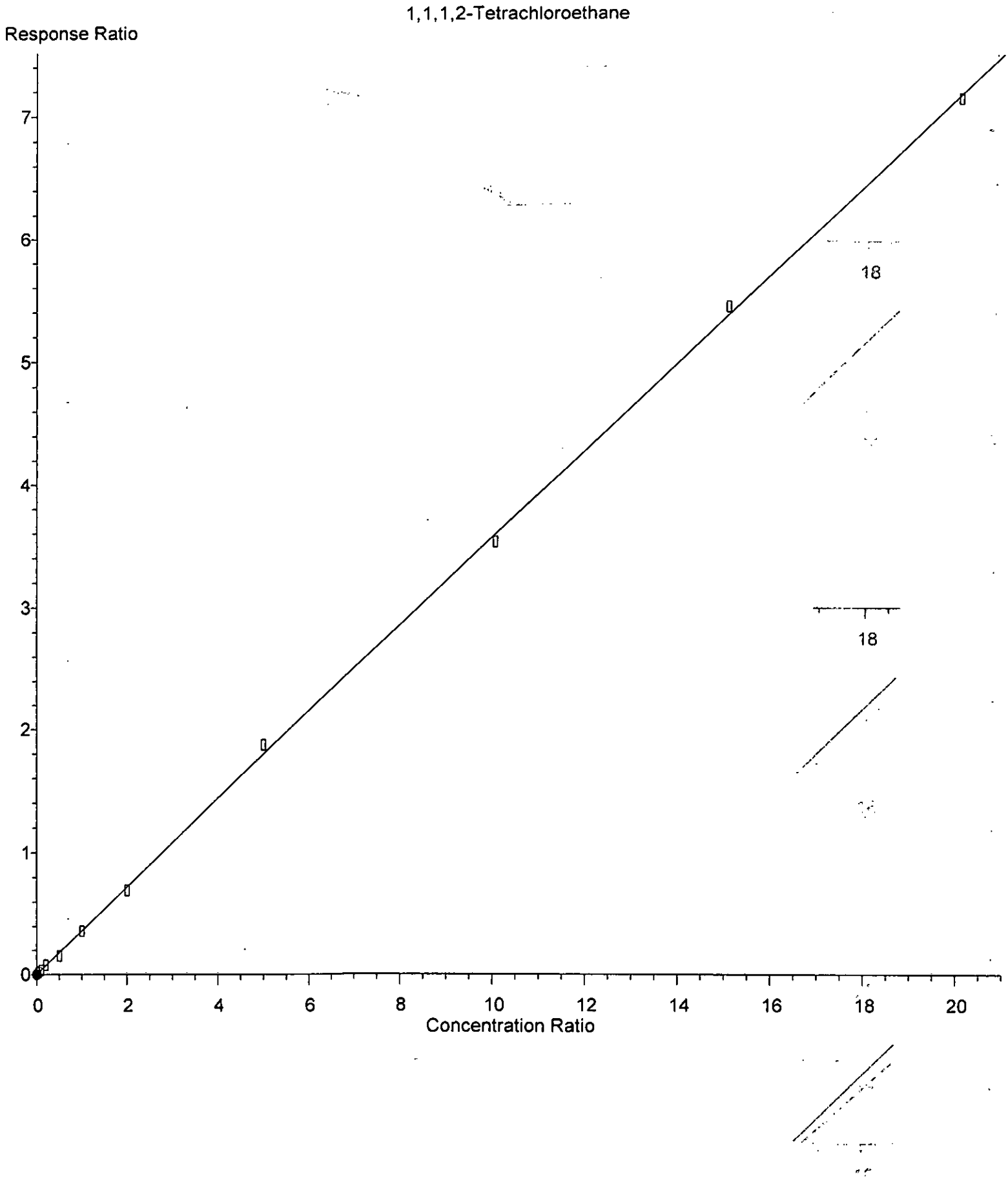
Response = 2.883e-001 * Amt + 3.672e-004
Coef of Det (r^2) = 0.999500 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



R = -1.410e-003 A*A + 4.126e-001 A + 1.035e-003
Coef of Det (r^2) = 0.999730 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

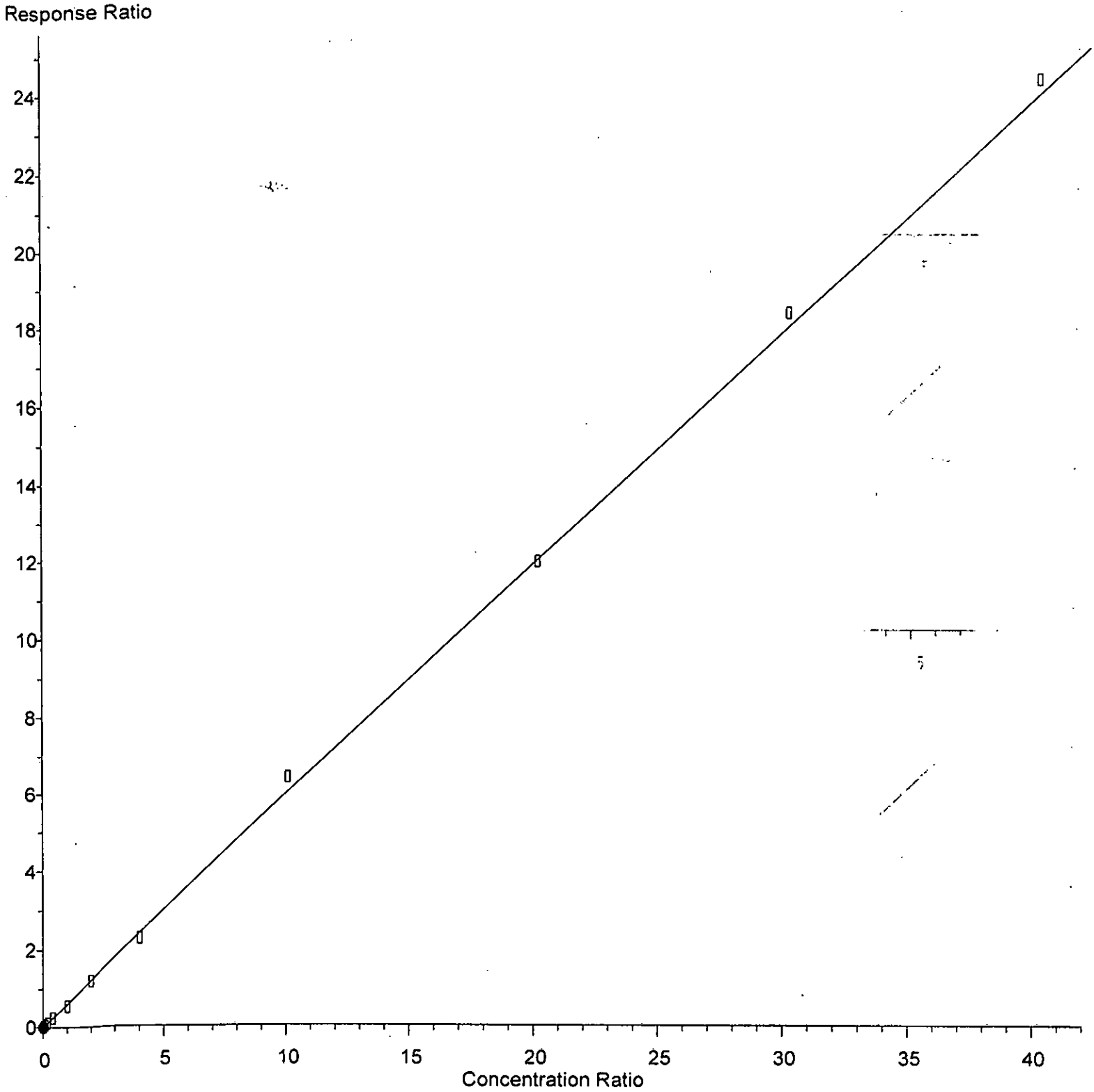


Response = 3.000e-001 * Amt + 4.260e-004
Coef of Det (r^2) = 0.999606 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

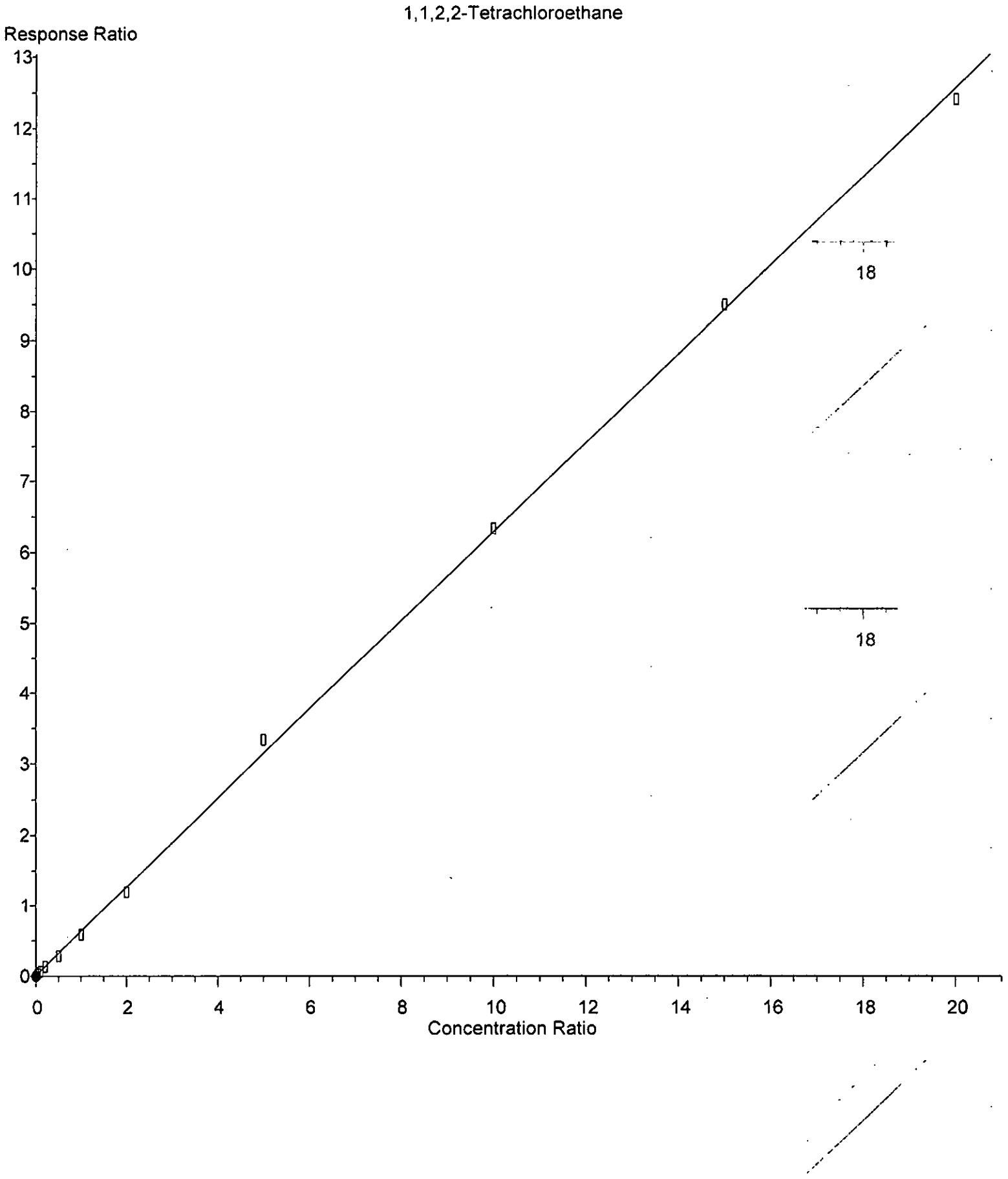


Response = 3.590e-001 * Amt + 2.624e-003
Coef of Det (r^2) = 0.999392 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

m,p-Xylene



Response = 6.004e-001 * Amt + 1.651e-003
Coef of Det (r^2) = 0.997691 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



Response = 6.284e-001 * Amt + 5.420e-003
Coef of Det (r^2) = 0.999172 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	306717	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234300	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	137411	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	90033	10.549	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.50%				
30) 1,2-Dichloroethane-d4	4.36	102	19765	10.422	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 104.20%				
35) Toluene-d8	5.98	98	272380	9.435	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 94.30%				
57) 4-Bromofluorobenzene	8.38	95	97277	9.772	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.	d		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	506	0.027	ppb		92
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	221	0.024	ppb		99
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.85	73	440	0.021	ppb		96
17] trans-1,2-Dichloroethene	2.83	96	301	0.020	ppb		94
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19) 1,1-Dichloroethane	0.00		0	N.D.	d		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	301	0.021	ppb	#	83
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.08	97	291	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.39	78	876	0.027	ppb		95
32] Trichloroethene	4.93	95	315	0.020	ppb		94
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

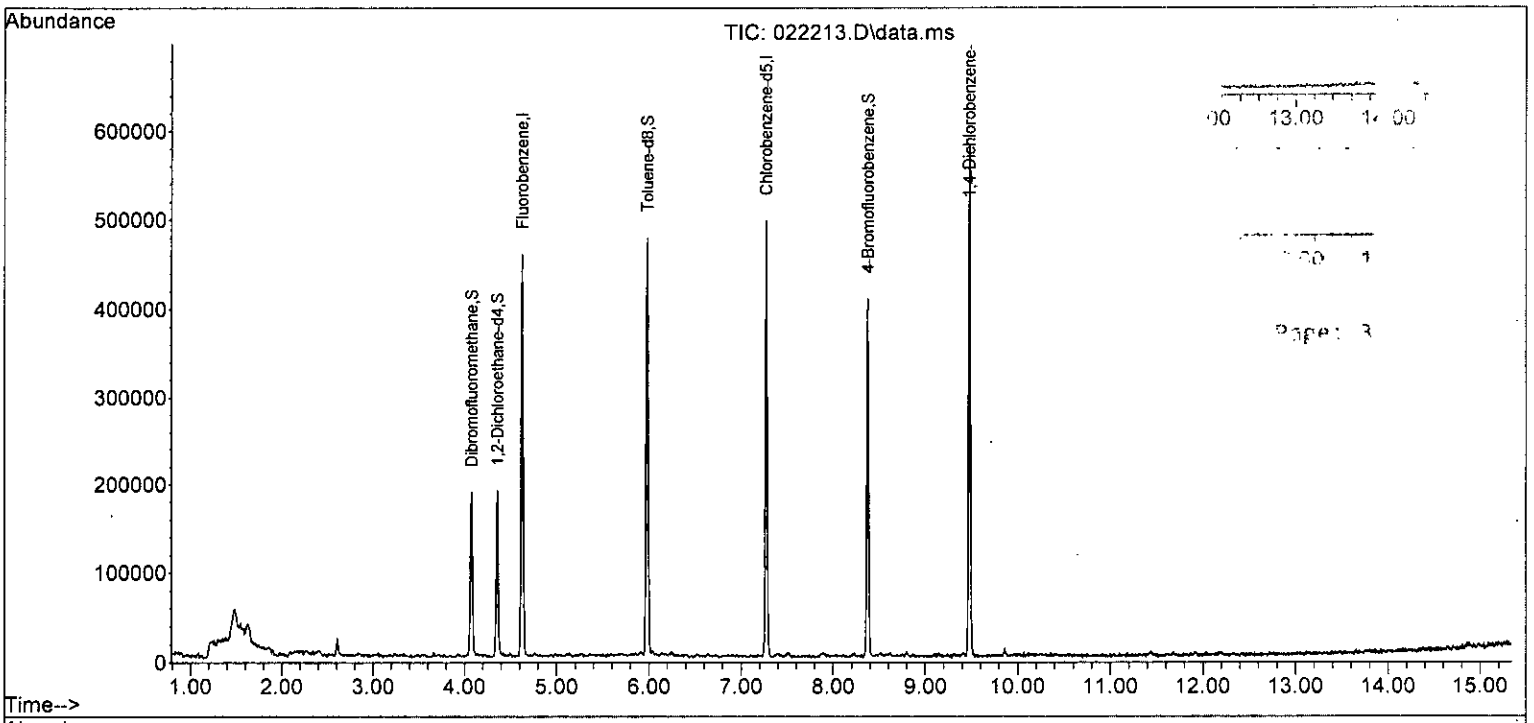
Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

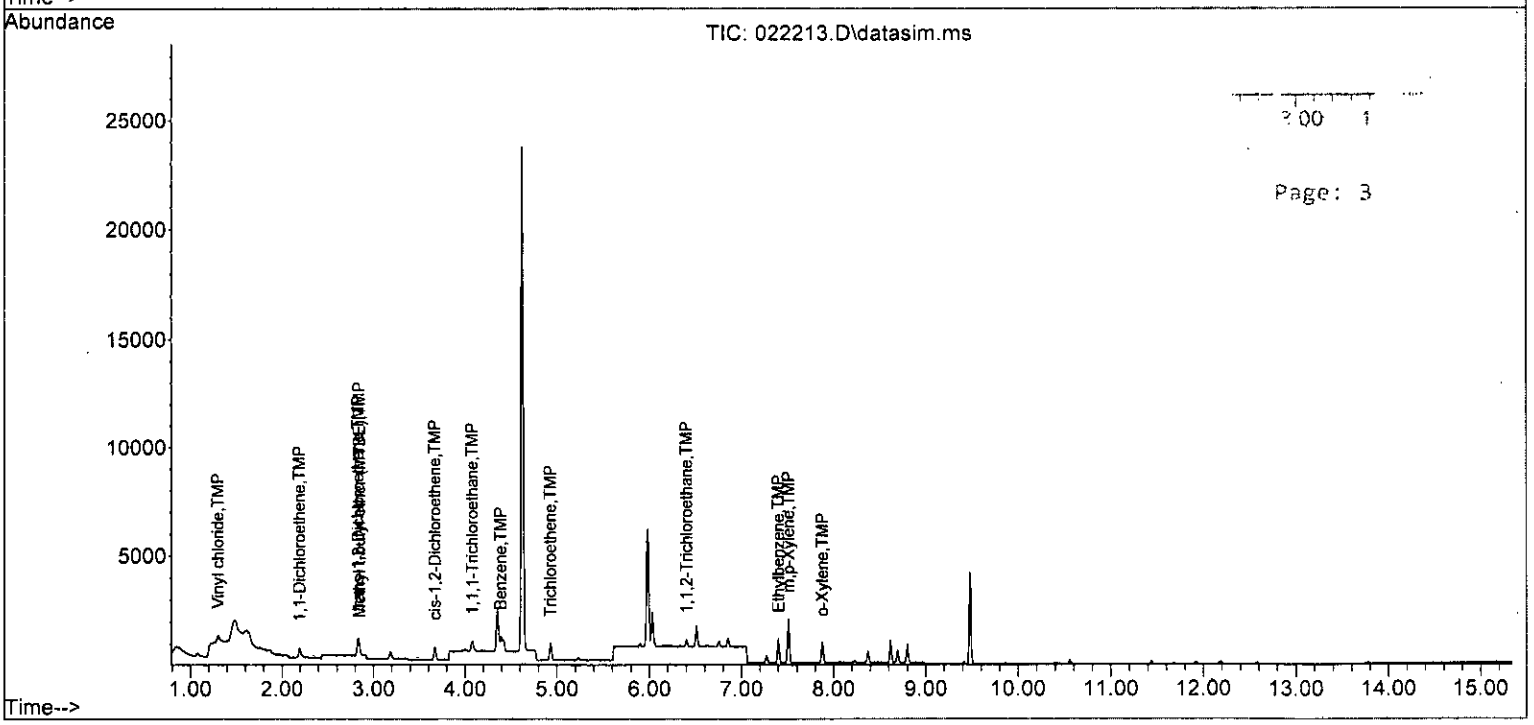
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	163	0.027	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45) Tetrachloroethene	0.00		0	N.D.	d	
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	1127	0.029	ppb	98
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	931	0.039	ppb	99
52] o-Xylene	7.88	106	405	0.027	ppb	97
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	10.549	-5.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.020	0.027	-35.0#	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.020	0.024	-20.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.021	-5.0	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.020	0.000	100.0#	0	-3.17#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.020	0.021	-5.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.000	100.0#	0	-4.41#
27	TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	10.422	-4.2	100	0.00
31	TMP	Benzene	0.020	0.027	-35.0#	100	0.00
32	TMP	Trichloroethene	0.020	0.020	0.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.435	5.6	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.000	100.0#	0	-6.03#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.020	0.027	-35.0#	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.020	0.000	100.0#	0	-6.51#
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.020	0.029	-45.0#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.027	-35.0#	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.772	2.3	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.68#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.294	-5.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.825	-36.8#	100	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.360	-21.2#	100	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.717	-3.6	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.287	0.491	-71.1#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.000#	100.0#	0#	-3.17#
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.491	-56.9#	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.000#	100.0#	0#	-4.41#
27	TMP	1,1,1-Trichloroethane	0.438	0.474	-8.2	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	1.048	1.428	-36.3#	100	0.00
32	TMP	Trichloroethene	0.329	0.514	-56.2#	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.888	5.6	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.000#	100.0#	0#	-6.03#
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.348	-32.8#	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.000#	100.0#	0#	-6.51#
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	2.405	-47.4#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.993	-51.4#	100	0.00
52	TMP	o-Xylene	0.643	0.864	-34.4#	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.708	2.2	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	0.000#	100.0#	0#	-11.68#
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

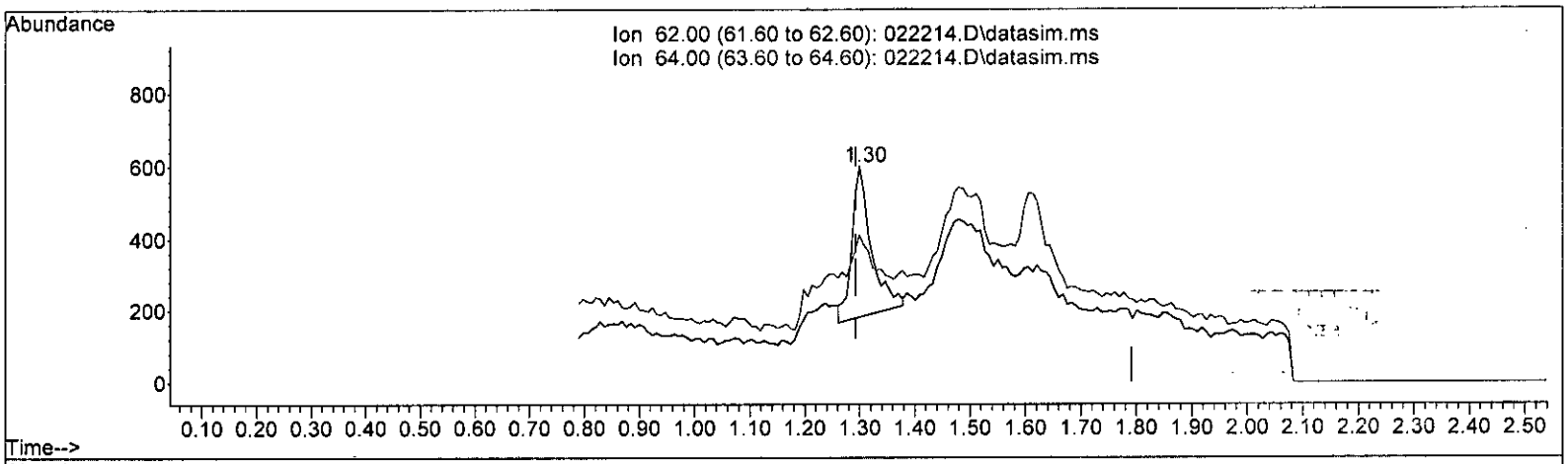
(#) = Out of Range SPCC's out = 56 CCC's out = 0

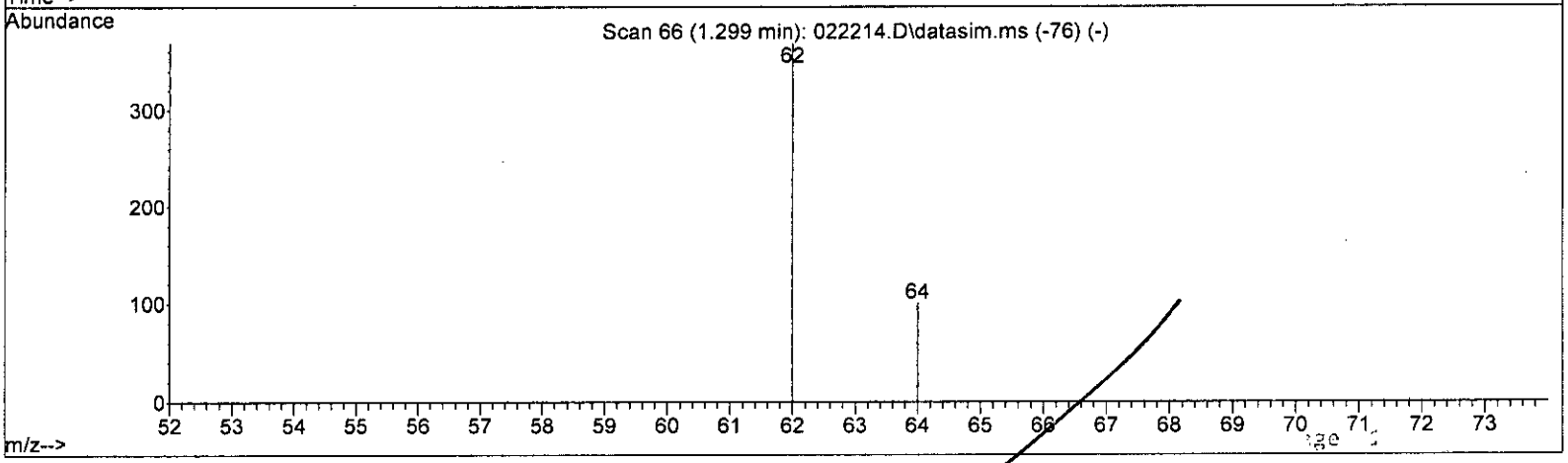
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(6) Vinyl chloride (TMP)
1.299min (+ 0.007) 0.053 ppb
response 1025

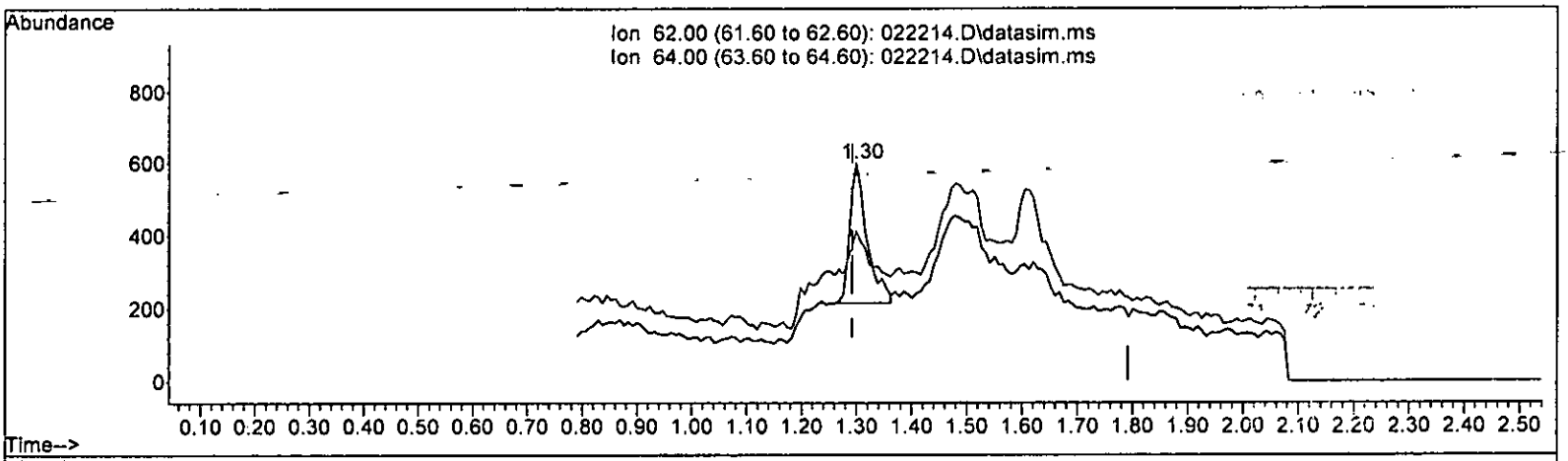
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	31.01
0.00	0.00	0.00
0.00	0.00	0.00

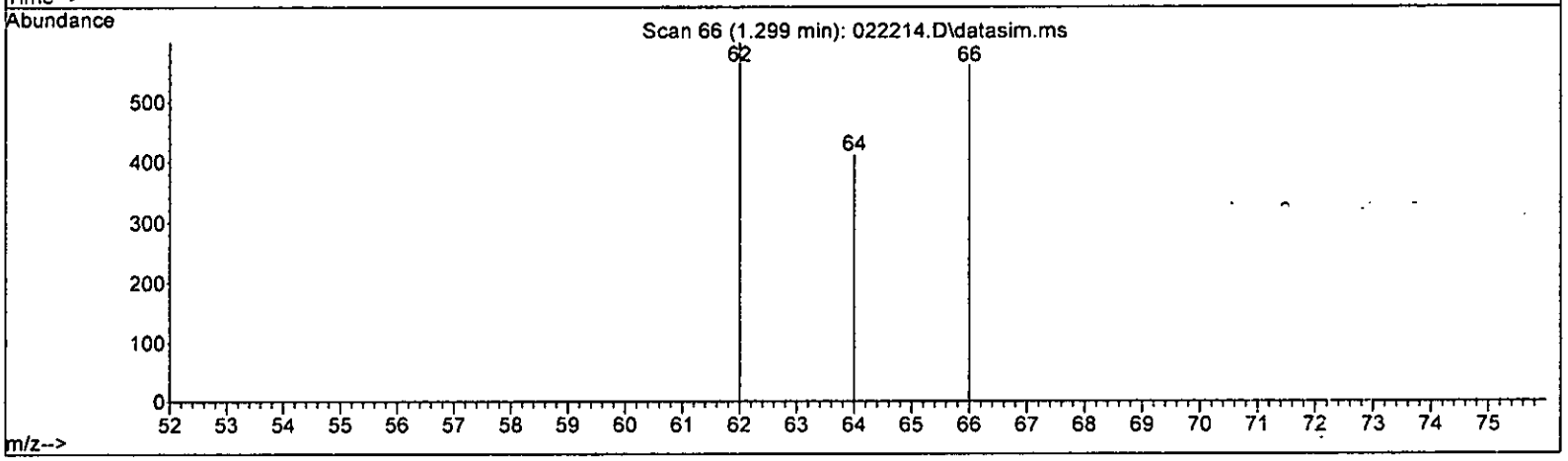
m2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(6) Vinyl chloride (TMP)

1.299min (+ 0.007) 0.042 ppb m

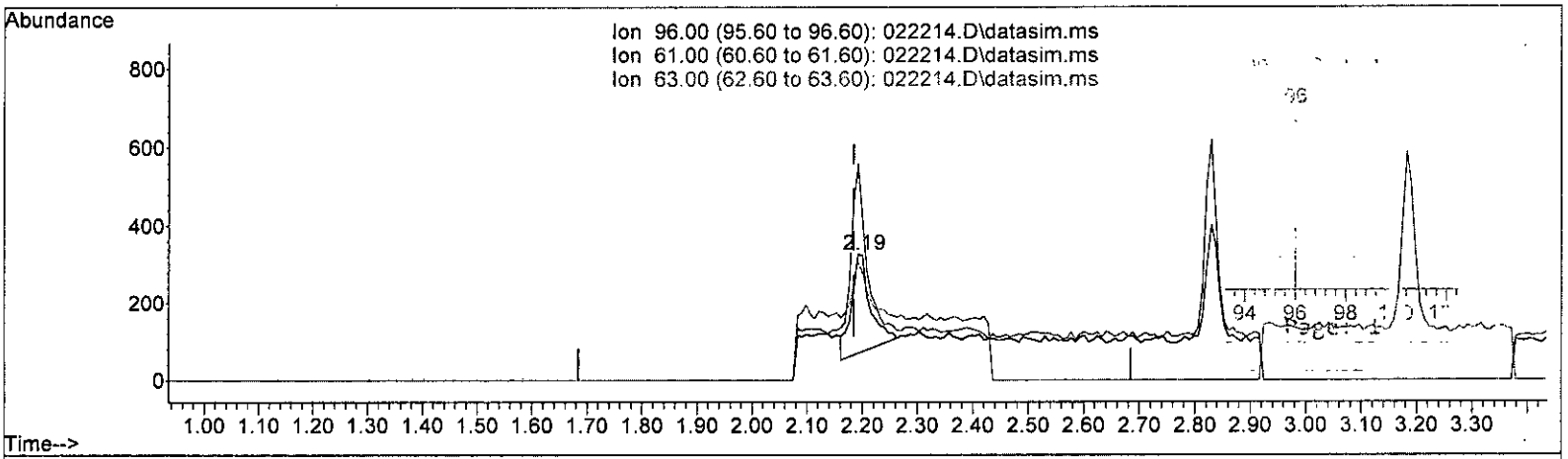
response 820

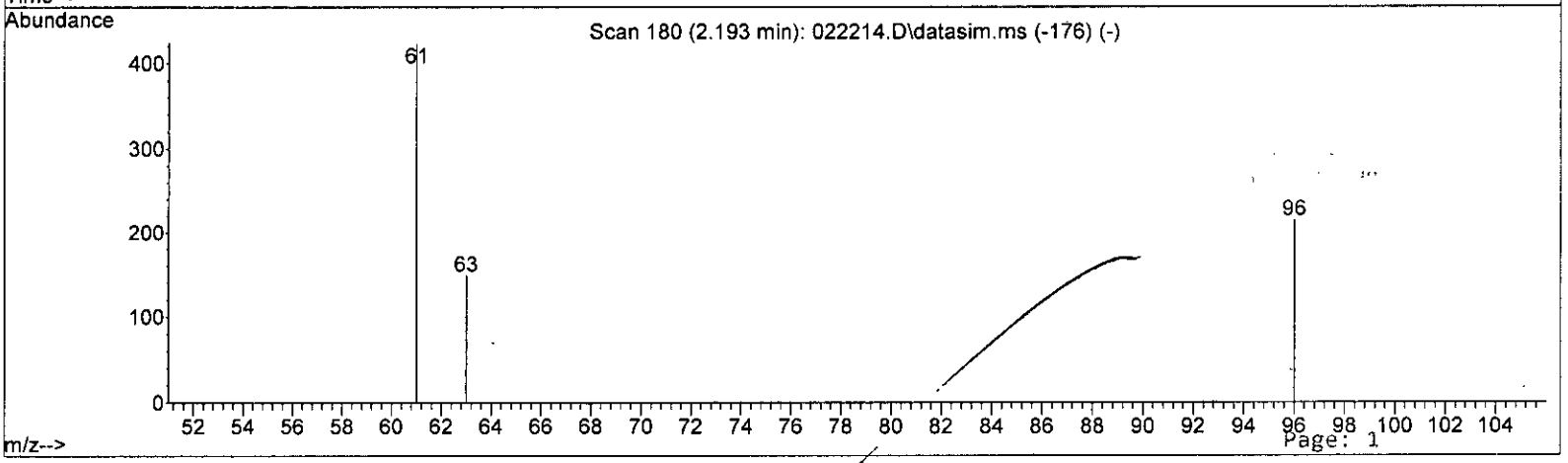
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	68.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

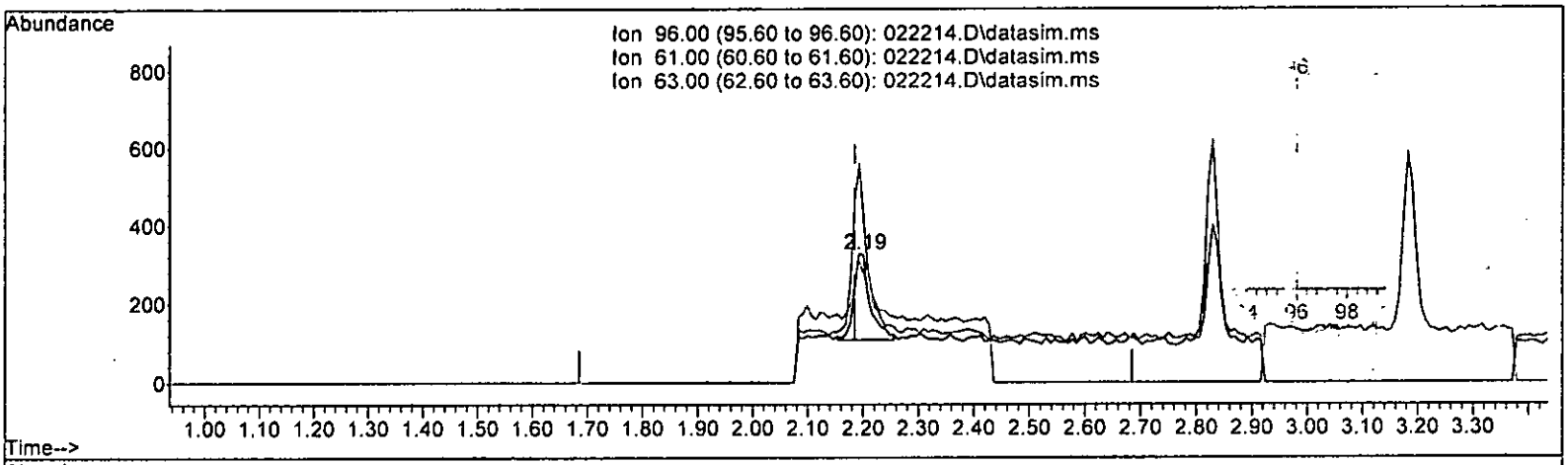
(12) 1,1-Dichloroethene (TMP)
2.193min (+ 0.008) 0.064 ppb
response 612

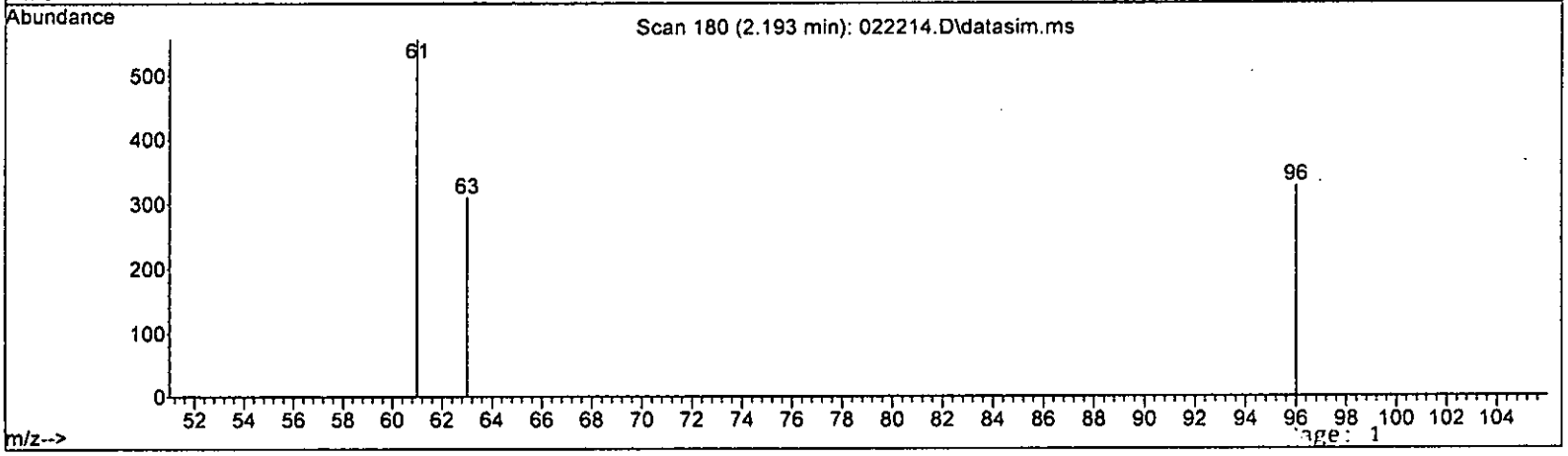
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	196.79
63.00	57.40	67.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

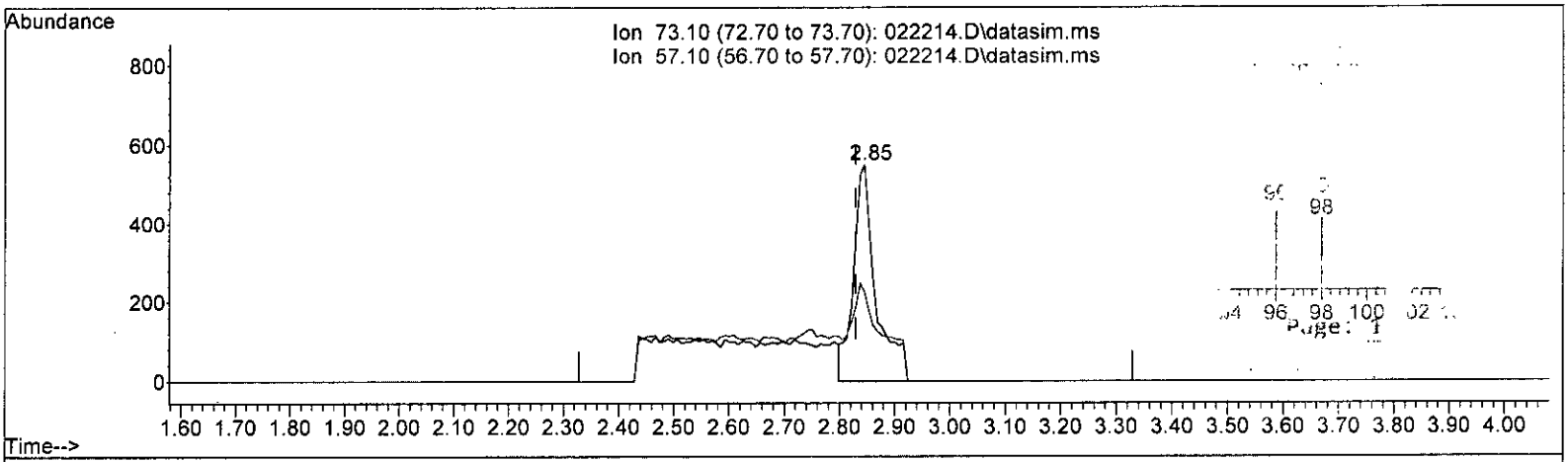
(12) 1,1-Dichloroethene (TMP)
2.193min (+ 0.008) 0.047 ppb m
response 446

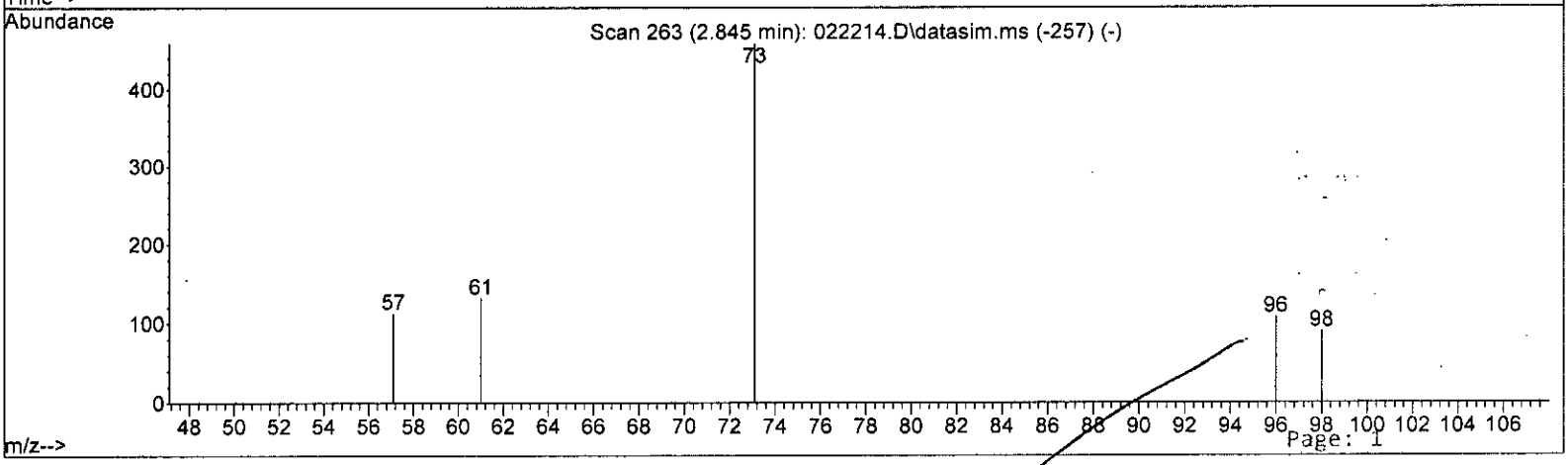
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	170.64
63.00	57.40	94.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.016) 0.069 ppb

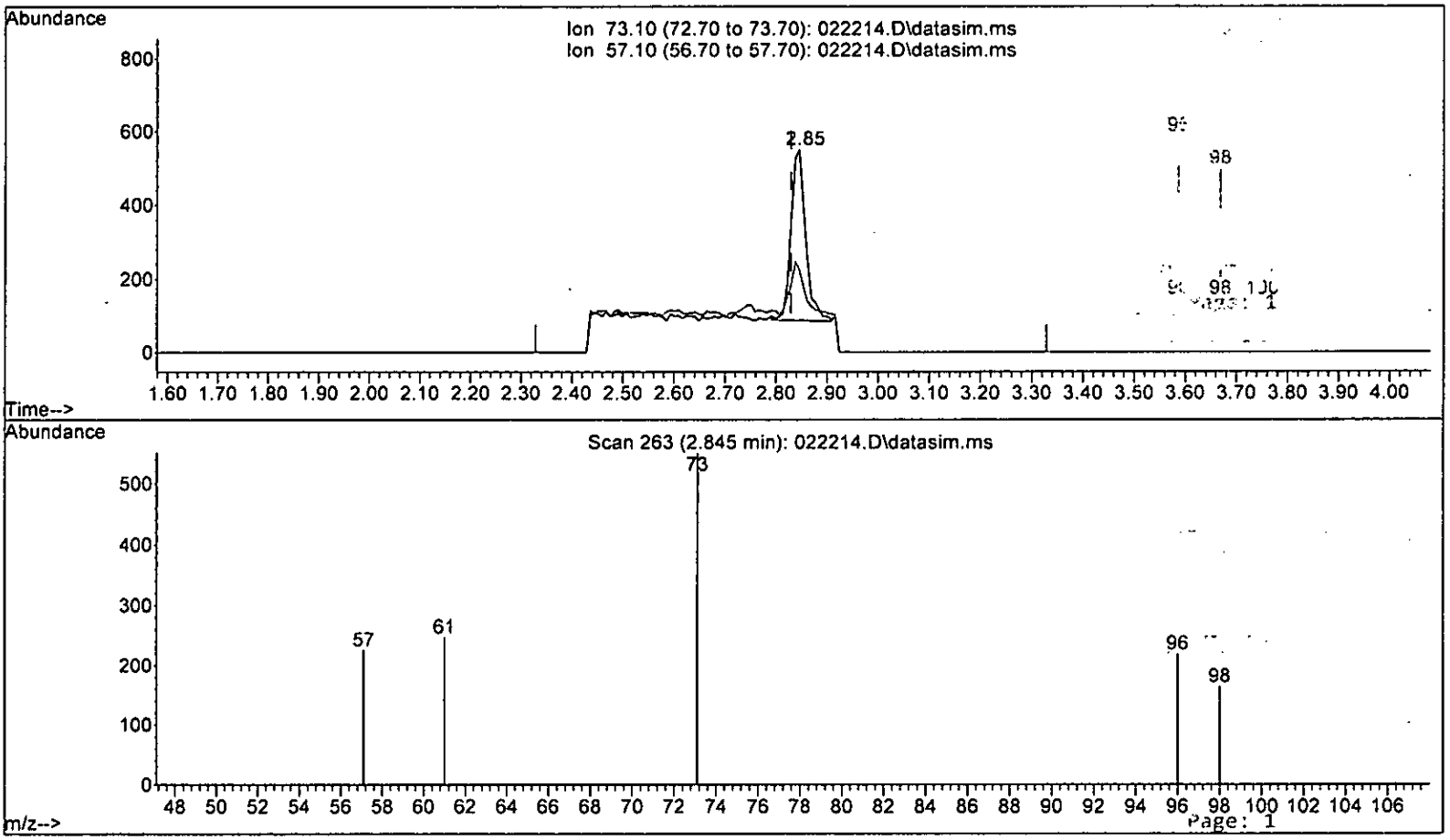
response 1547

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	40.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Page: 1

TIC: 022214.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.016) 0.042 ppb m

response 932

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	40.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	322266	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	257183	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	153339	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	89871	10.022	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.20%			
30) 1,2-Dichloroethane-d4	4.36	102	21305	10.692	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.90%			
35) Toluene-d8	5.98	98	304355	10.034	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.30%			
57) 4-Bromofluorobenzene	8.38	95	111708	10.056	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	820m	0.042	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.19	96	446m	0.047	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.85	73	932m	0.042	ppb	
17] trans-1,2-Dichloroethene	2.83	96	482	0.040	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	762	0.045	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	466	0.037	ppb	90
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.42	62	927	0.045	ppb	94
27] 1,1,1-Trichloroethane	4.08	97	602	0.043	ppb	93
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.38	78	1571	0.046	ppb	90
32] Trichloroethene	4.93	95	528	0.040	ppb	93
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

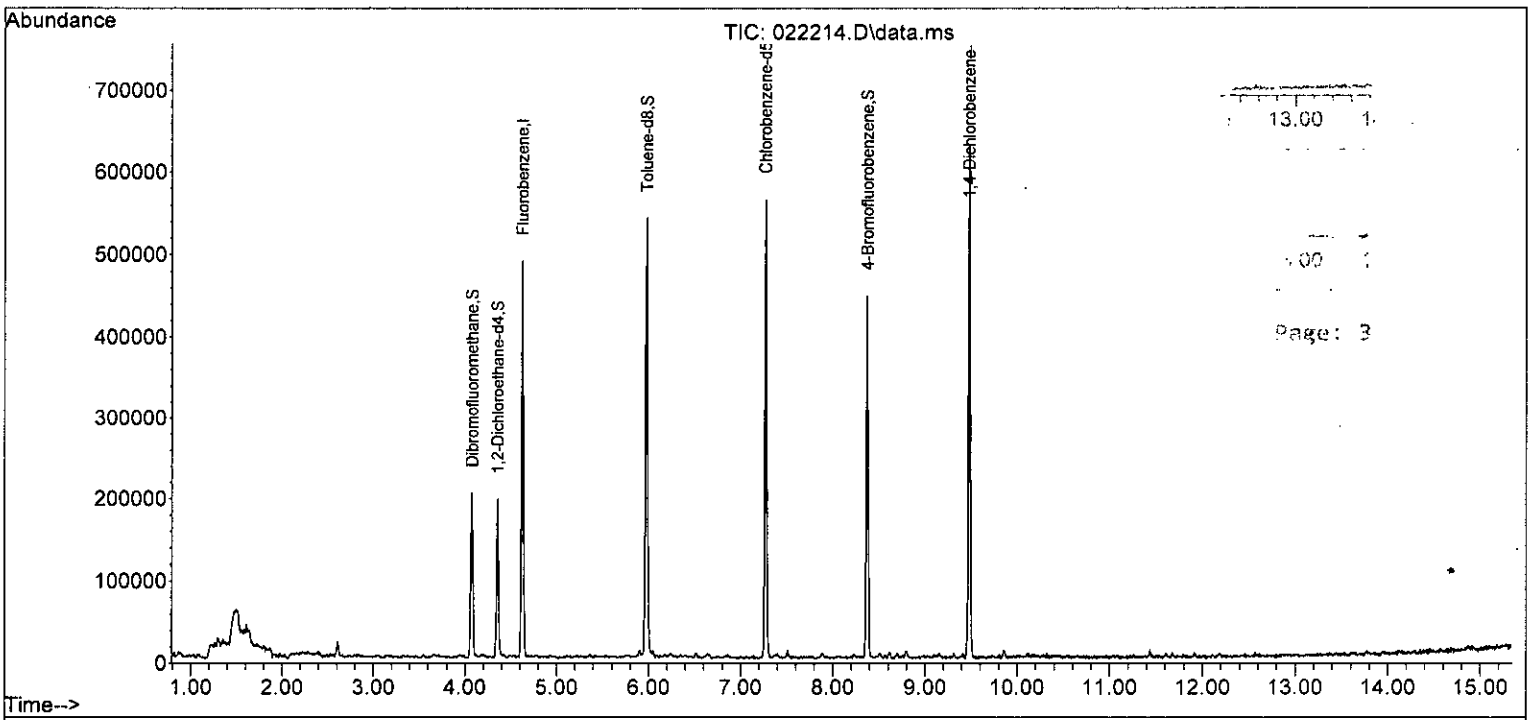
Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

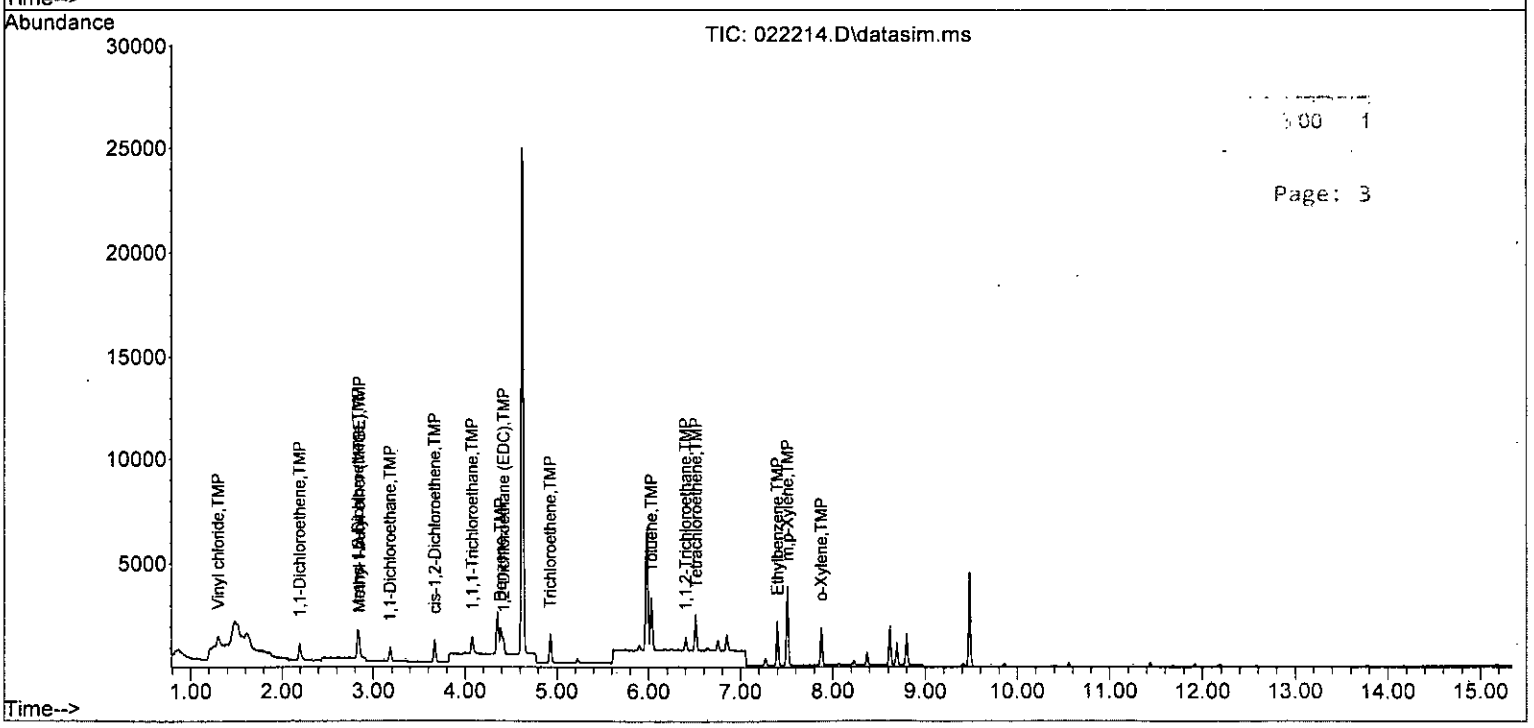
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.03	92	1296	0.059	ppb	96
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	337	0.050	ppb	92
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	602	0.058	ppb	97
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	2140	0.051	ppb	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	1757	0.086	ppb	98
52] o-Xylene	7.88	106	826	0.050	ppb	99
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
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InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	10.022	-0.2	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.040	0.042	-5.0	94	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.040	0.047	-17.5	104	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.040	0.040	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.040	0.045	-12.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.040	0.037	7.5	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.045	-12.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	10.692	-6.9	100	0.00
31	TMP	Benzene	0.040	0.046	-15.0	100	0.00
32	TMP	Trichloroethene	0.040	0.040	0.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	10.034	-0.3	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.059	-47.5#	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.040	0.050	-25.0#	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.040	0.058	-45.0#	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.040	0.051	-27.5#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.080	0.086	-7.5	100	0.00
52	TMP	o-Xylene	0.040	0.050	-25.0#	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.056	-0.6	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.68#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.279	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.636	-5.5	94	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.346	-16.5	104	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.723	-4.5	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.287	0.374	-30.3#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.591	-12.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.362	-15.7	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.719	-62.7#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.467	-6.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.219	-16.3	100	0.00
32	TMP	Trichloroethene	0.329	0.410	-24.6#	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.944	-0.3	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	1.260	-46.7#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.328	-25.2#	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

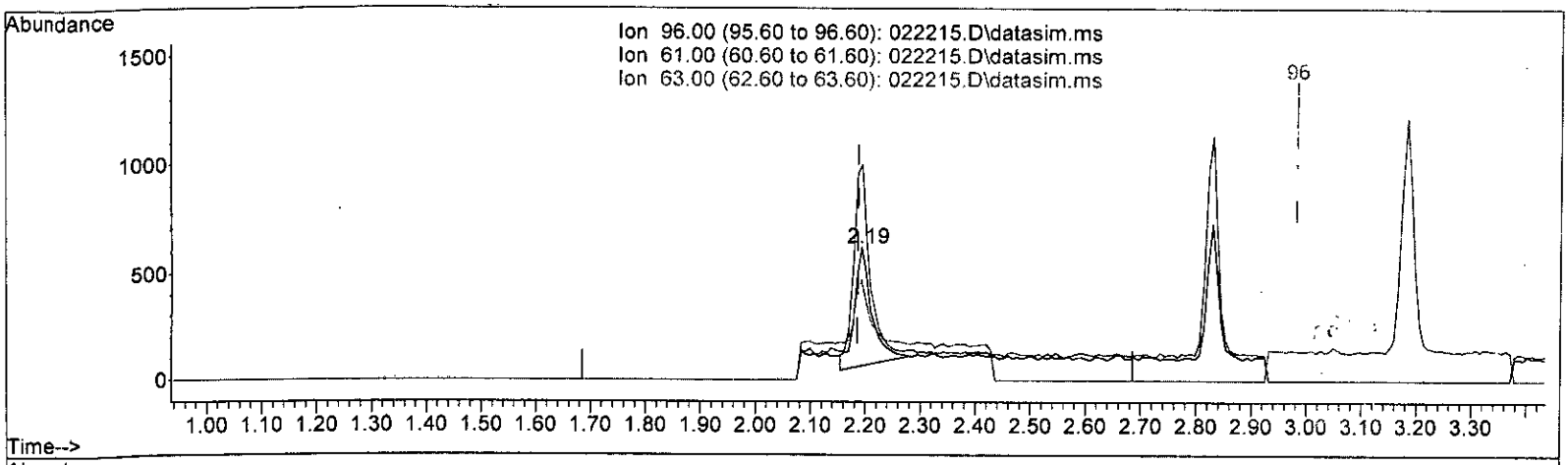
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.585	-45.2#	100	0.00
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	2.080	-27.5#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.854	-30.2#	100	0.00
52	TMP	o-Xylene	0.643	0.803	-24.9#	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.729	-0.7	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	0.000#	100.0#	0#	-11.68#
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

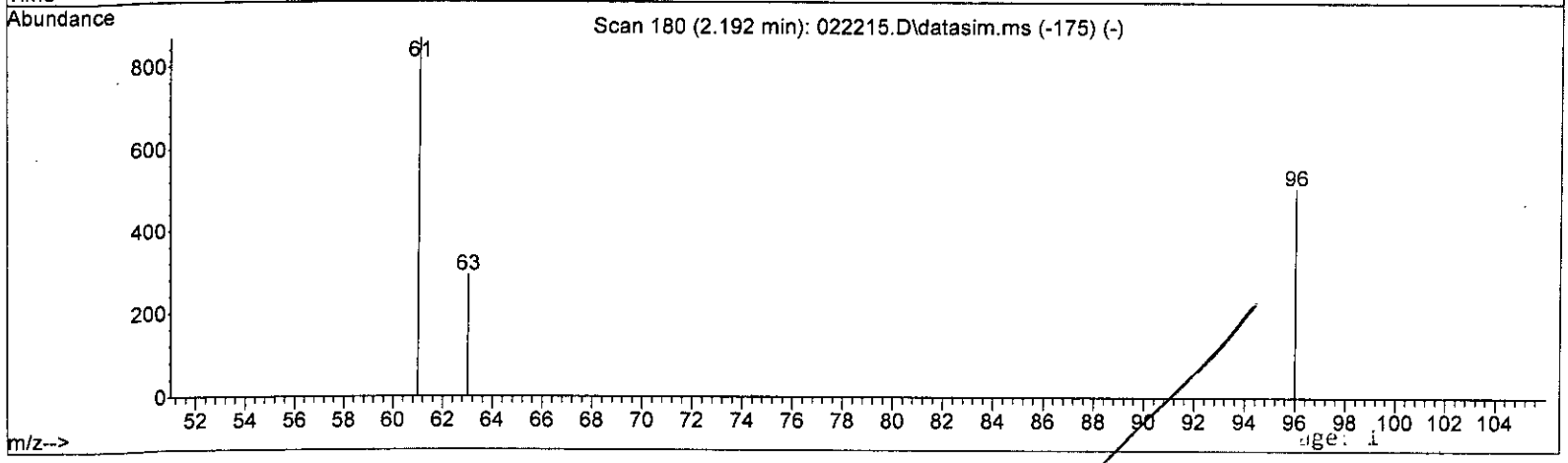
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.192min (+ 0.007) 0.126 ppb
response 1213

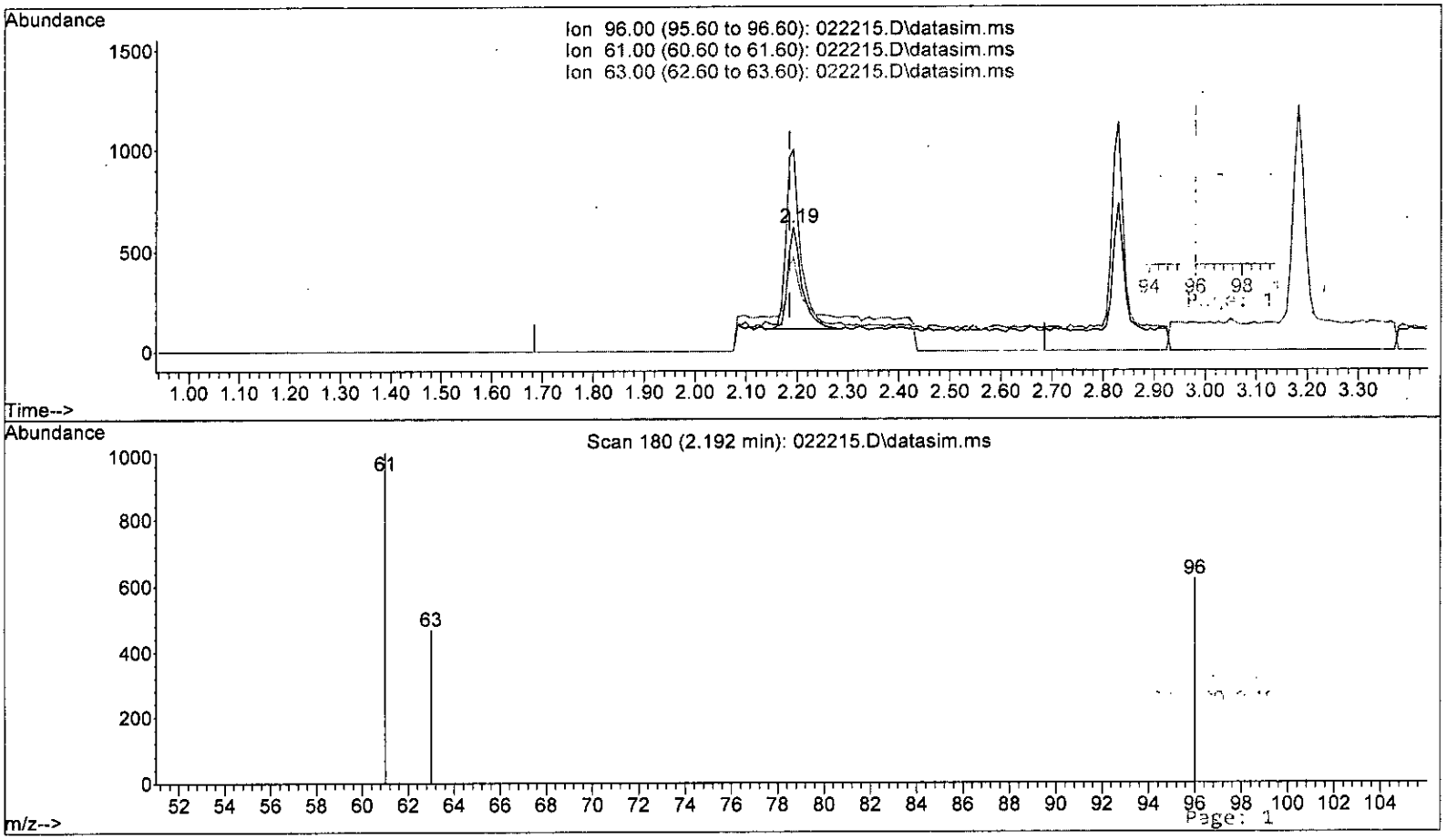
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	170.81
63.00	57.40	58.78
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022215.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.192min (+ 0.007) 0.101 ppb m

response 965

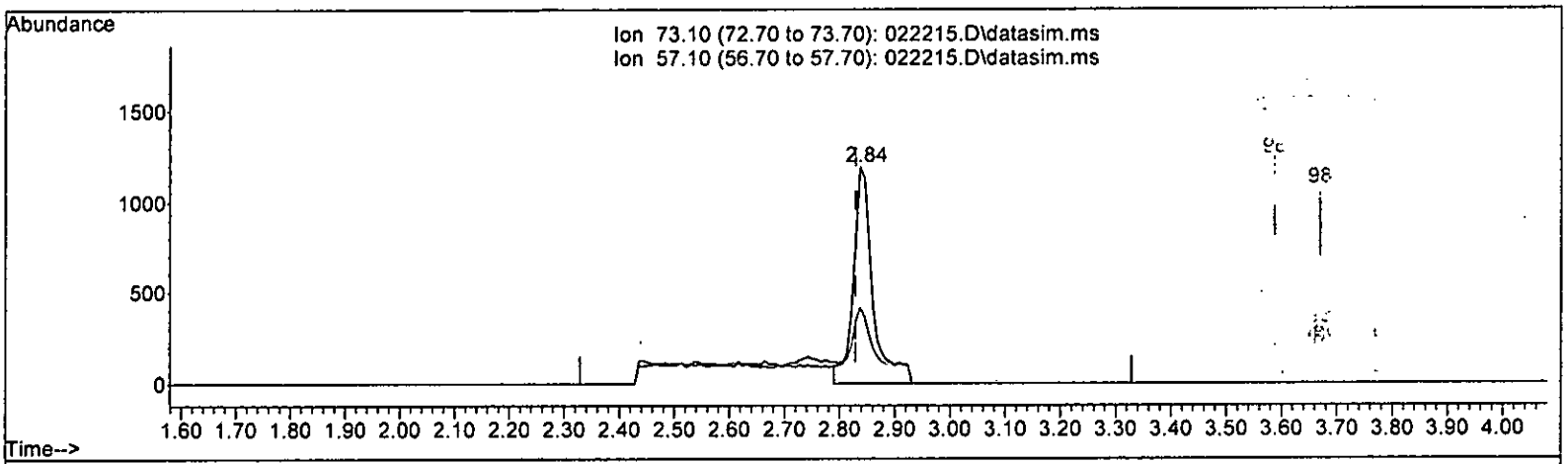
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	161.71
63.00	57.40	75.44
0.00	0.00	0.00

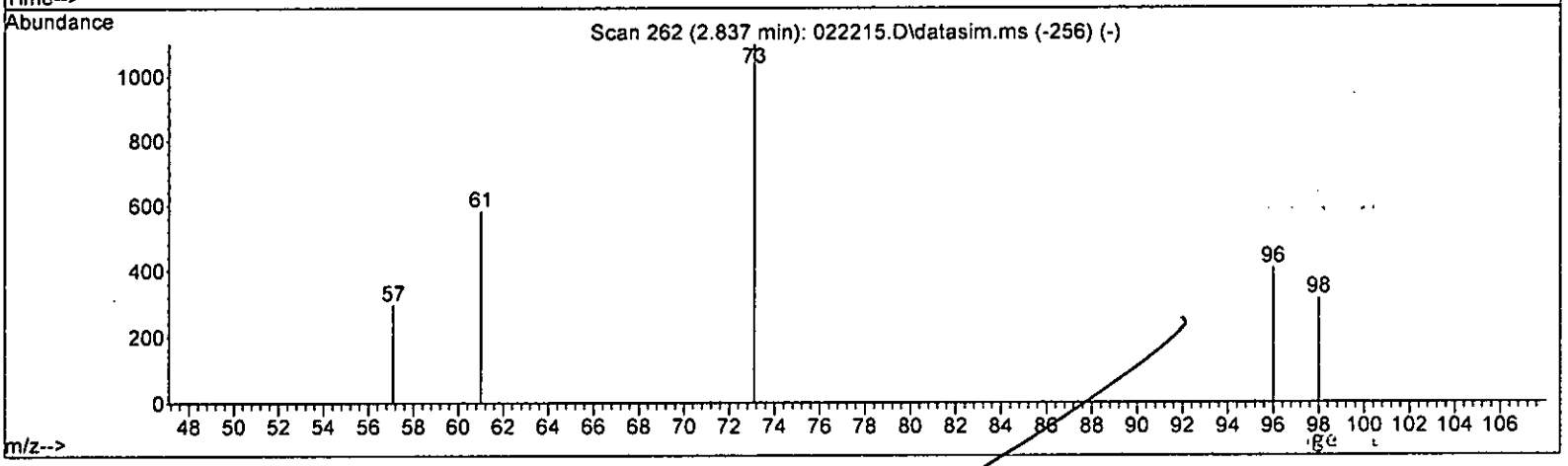
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.129 ppb

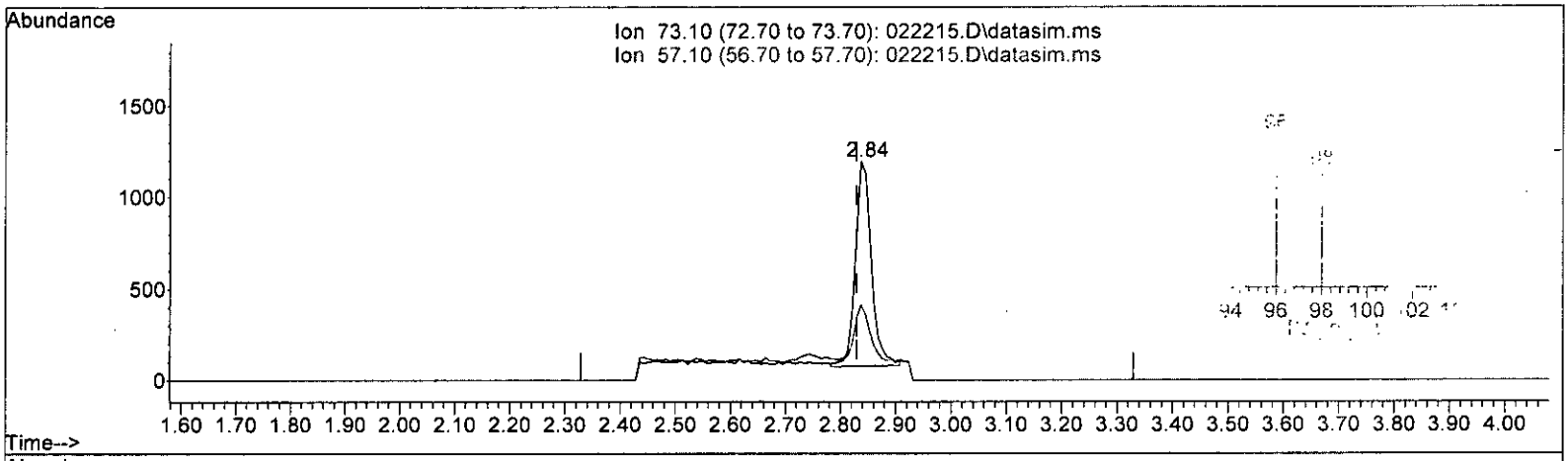
response 2891

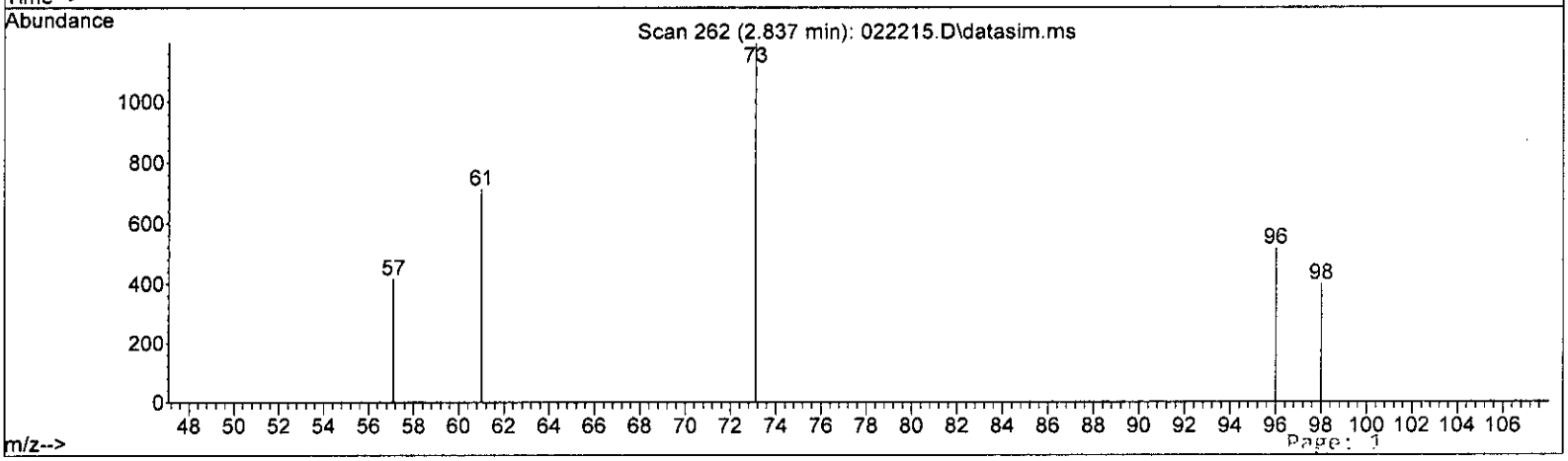
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.100 ppb m

response 2244

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	34.67
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	323431	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	257268	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	152741	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	88142	9.794	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.90%			
30) 1,2-Dichloroethane-d4	4.36	102	19391	9.696	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.00%			
35) Toluene-d8	5.98	98	305663	10.041	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.40%			
57) 4-Bromofluorobenzene	8.37	95	111126	10.043	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	1983	0.102	ppb	97
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.19	96	965m	0.101	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.84	73	2244m	0.100	ppb	
17] trans-1,2-Dichloroethene	2.83	96	920	0.093	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	1690	0.100	ppb	99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	982	0.093	ppb	86
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.41	62	1609	0.095	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	1351	0.095	ppb	93
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.38	78	3371	0.099	ppb	95
32] Trichloroethene	4.93	95	1058	0.095	ppb	93
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

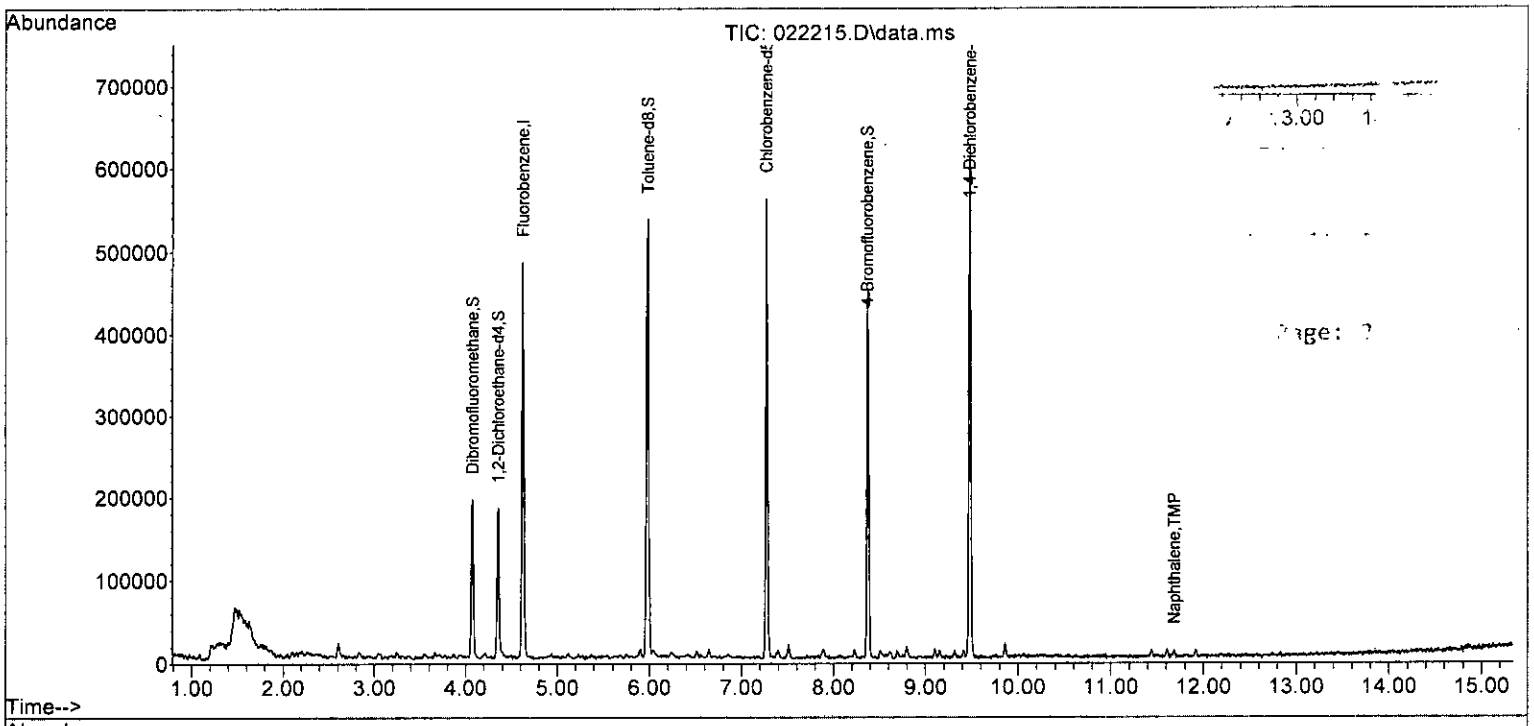
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.03	92	2426	0.110	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	705	0.105	ppb	99
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	1161	0.112	ppb	93
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.85	107	1037	0.119	ppb	94
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	4310	0.103	ppb	100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	3409	0.193	ppb	95
52] o-Xylene	7.88	106	1645	0.099	ppb	98
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	11.68	128	4775	0.121	ppb	96
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

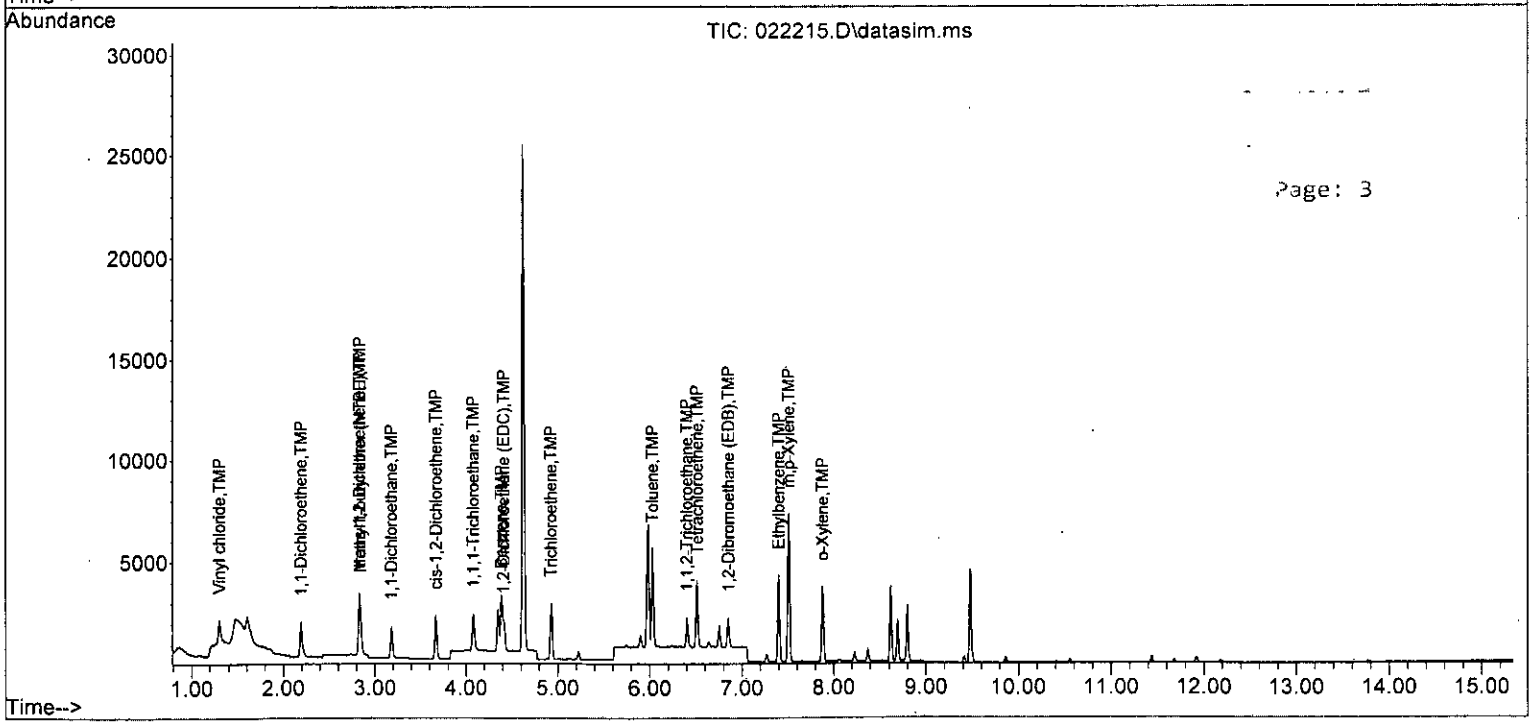
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	9.794	2.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.100	0.102	-2.0	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.100	0.101	-1.0	87	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.100	0.0	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.093	7.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.100	0.100	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.100	0.093	7.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.095	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.095	5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.696	3.0	100	0.00
31	TMP	Benzene	0.100	0.099	1.0	100	0.00
32	TMP	Trichloroethene	0.100	0.095	5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	10.041	-0.4	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.110	-10.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.100	0.105	-5.0	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.100	0.112	-12.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.119	-19.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.100	0.103	-3.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.200	0.193	3.5	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.043	-0.4	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	0.100	0.121	-21.0#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.273	1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.613	-1.7	100	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.298	-0.3	87	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.694	-0.3	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.284	1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.523	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.304	2.9	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.497	-12.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.418	4.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	1.048	1.042	0.6	100	0.00
32	TMP	Trichloroethene	0.329	0.327	0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.945	-0.4	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.943	-9.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.274	-4.6	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.451	-11.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.403	-18.5	100	0.00
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	1.675	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.663	-1.1	100	0.00
52	TMP	o-Xylene	0.643	0.639	0.6	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.728	-0.6	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	3.126	-20.9#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

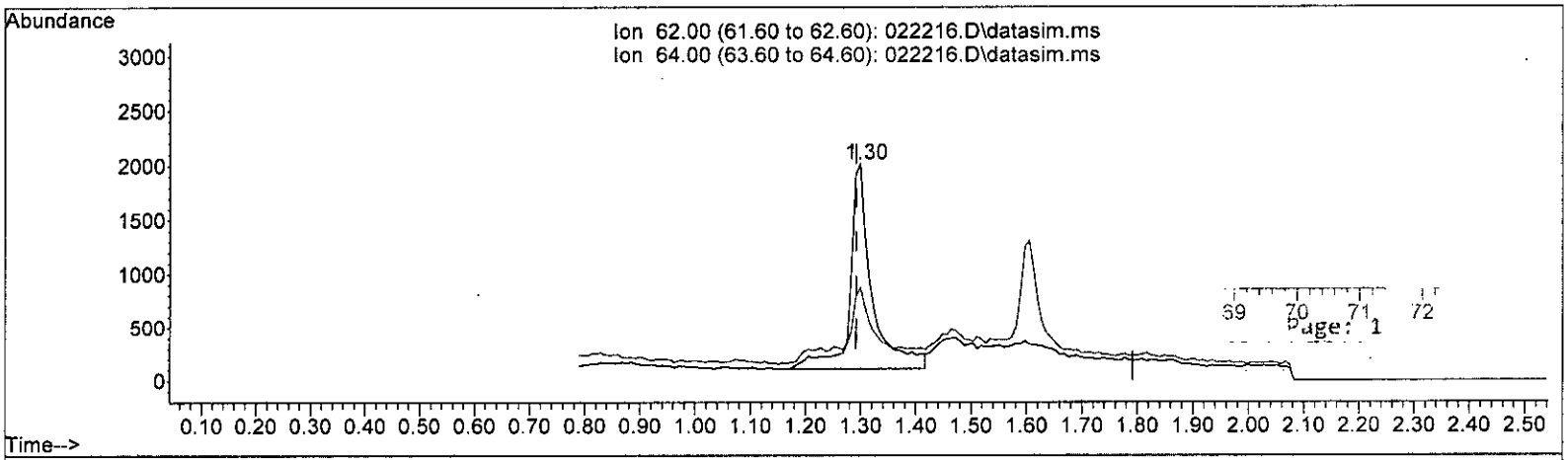
(#) = Out of Range SPCC's out = 50 CCC's out = 0

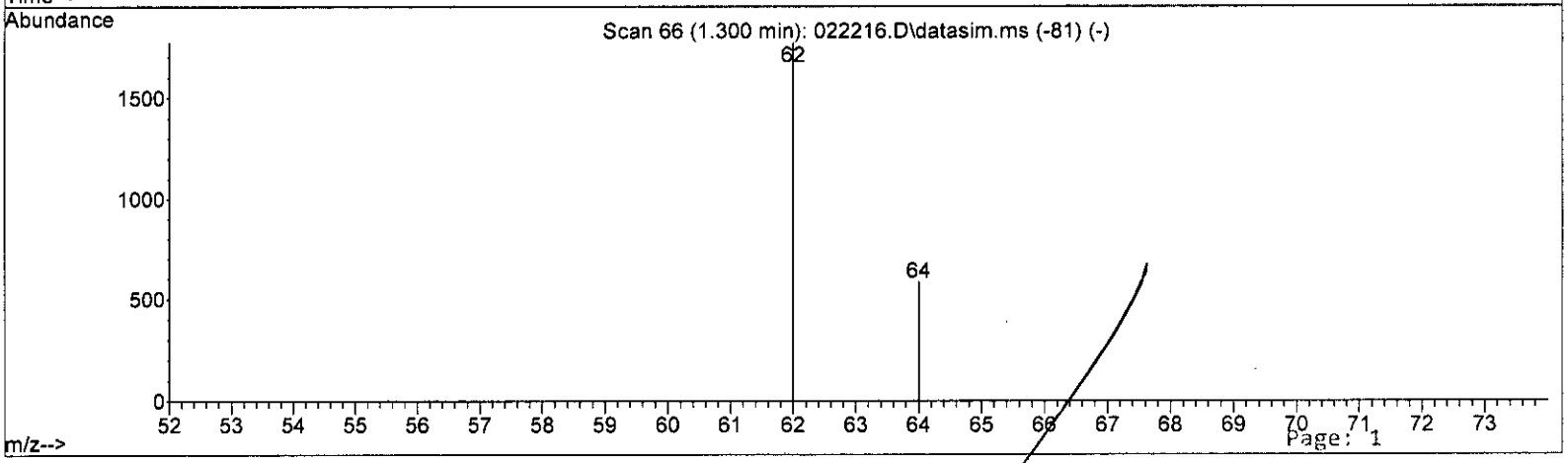
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(6) Vinyl chloride (TMP)
1.300min (+ 0.008) 0.284 ppb
response 5298

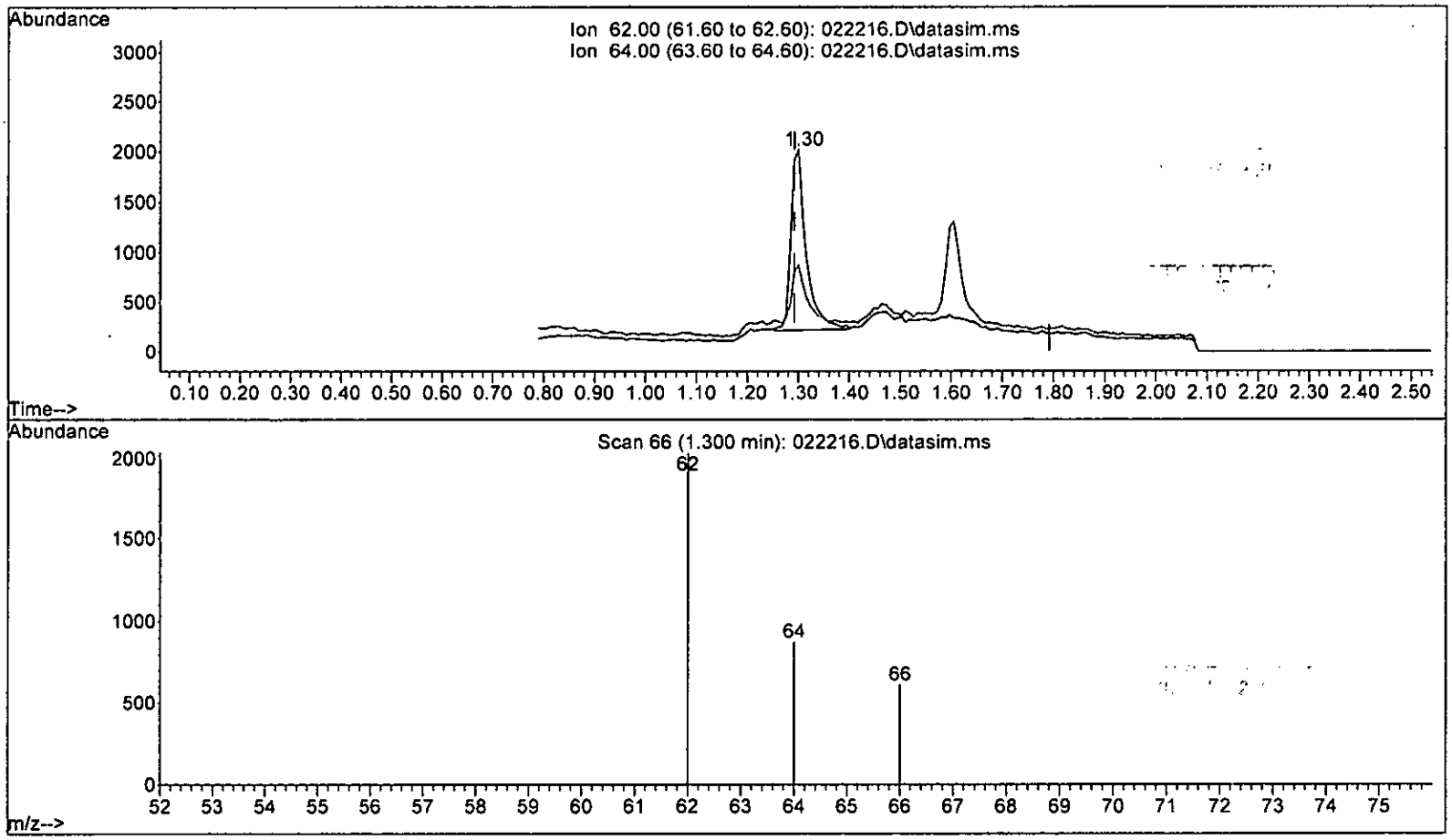
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	37.44
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022216.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.199 ppb m

response 3708

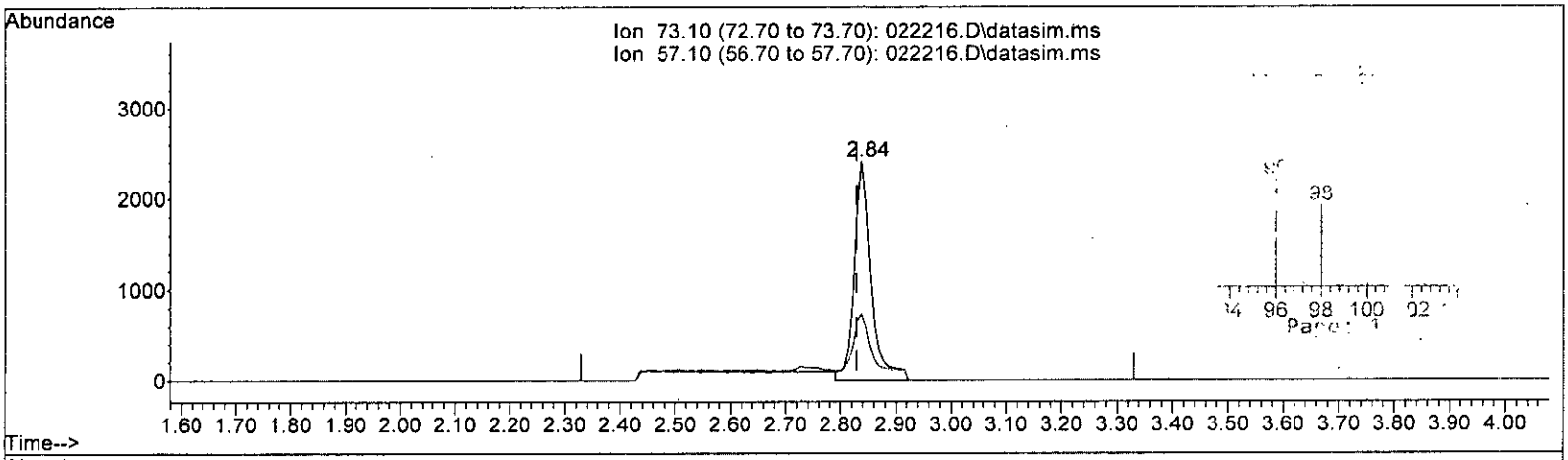
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	43.30
0.00	0.00	0.00
0.00	0.00	0.00

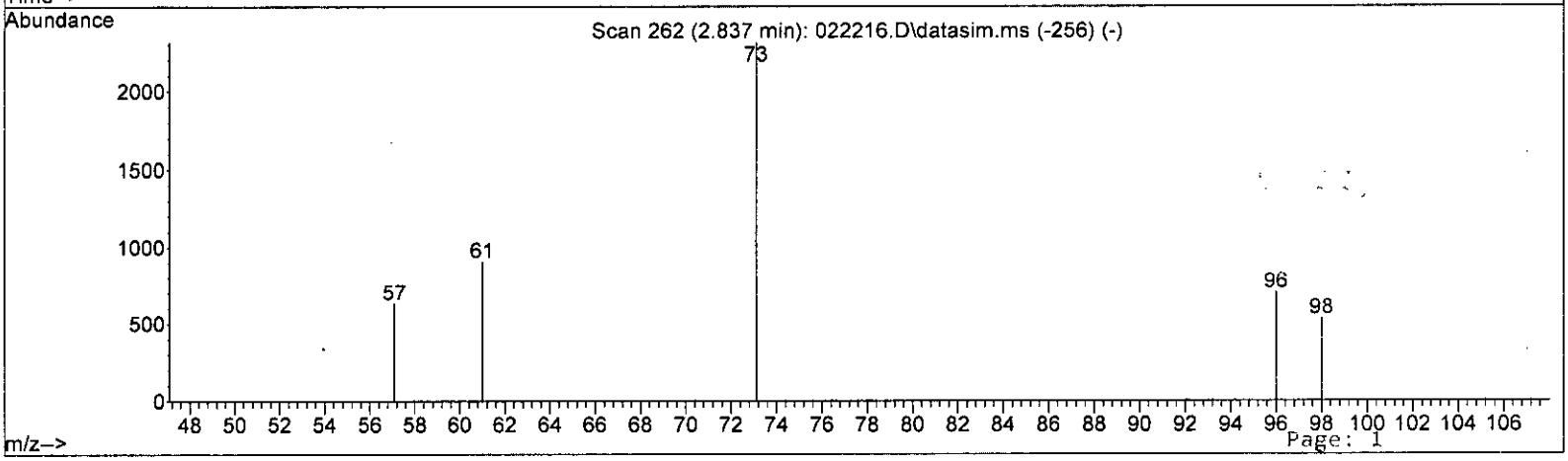
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.237 ppb

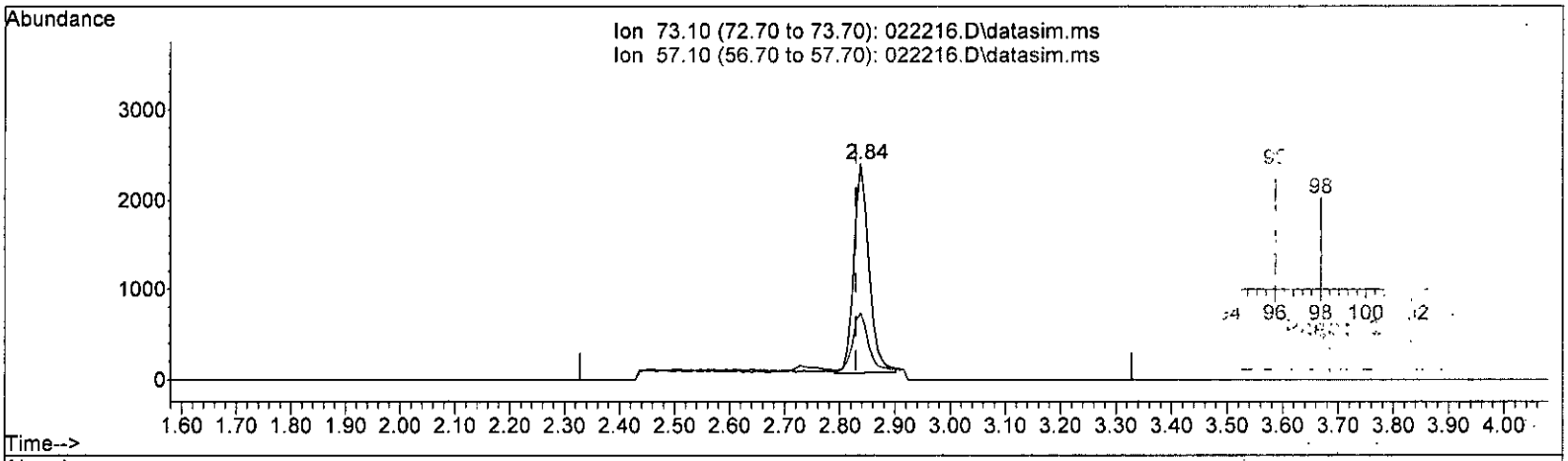
response 5075

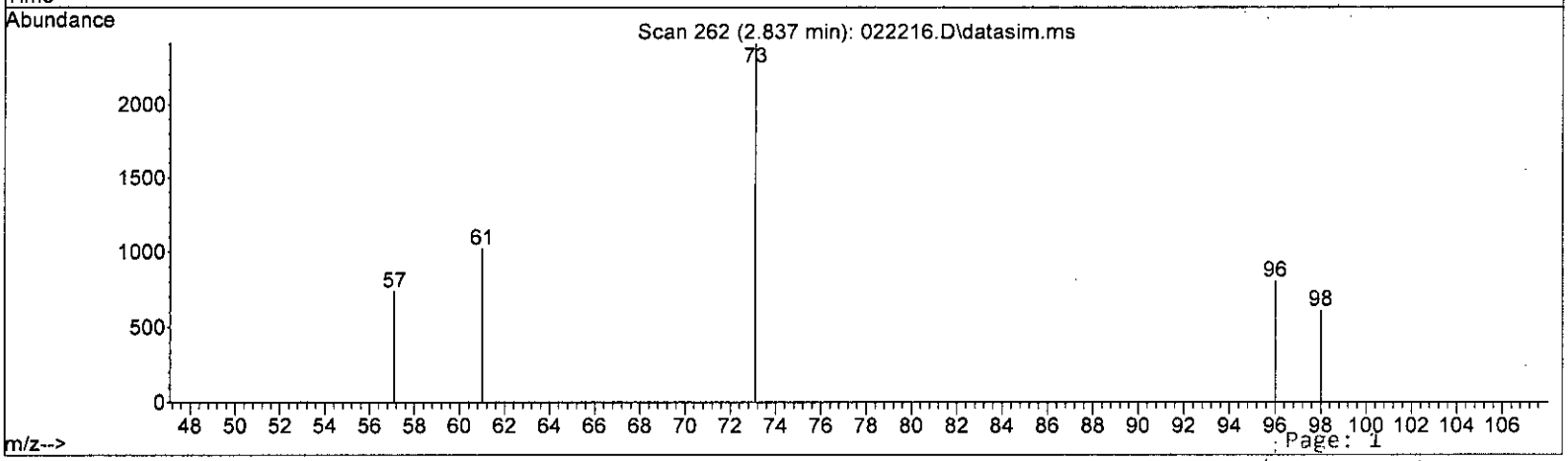
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	30.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.208 ppb m

response 4451

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	30.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	309082	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	236586	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	142122	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	85218	9.908	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	99.10%			
30) 1,2-Dichloroethane-d4	4.35	102	18625	9.745	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery =	97.50%			
35) Toluene-d8	5.98	98	278557	9.575	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery =	95.80%			
57) 4-Bromofluorobenzene	8.37	95	99039	9.619	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery =	96.20%			
Target Compounds							Qvalue
2) Ethanol	1.87	45	400	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	3658m	0.196	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.79	101	6157	0.260	ppb	#	63
10) 2-Propanol	2.42	45	2976	No Calib			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	1865	0.203	ppb		93
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.84	73	4344m	0.203	ppb		
17] trans-1,2-Dichloroethene	2.83	96	1757	0.204	ppb		92
18) Diisopropyl ether (DIPE)	3.25	45	6975	0.231	ppb		87
19] 1,1-Dichloroethane	3.18	63	3350	0.207	ppb		97
20) Ethyl t-butyl ether (E...	3.54	87	2195	0.244	ppb	#	68
21) 2,2-Dichloropropane	3.66	77	3030	0.172	ppb		92
22] cis-1,2-Dichloroethene	3.67	96	1921	0.203	ppb		90
23) Chloroform	3.95	83	3717	0.254	ppb		97
24) 2-Butanone (MEK)	3.71	43	6980	0.918	ppb		89
25) t-Amyl methyl ether (T...	4.49	73	4332	0.216	ppb		82
26] 1,2-Dichloroethane (EDC)	4.41	62	2859	0.199	ppb		97
27] 1,1,1-Trichloroethane	4.08	97	2744	0.203	ppb		95
28) 1,1-Dichloropropene	4.21	75	2004	0.190	ppb		77
29) Carbon tetrachloride	4.21	117	3604	0.284	ppb		73
31] Benzene	4.39	78	6432	0.198	ppb		100
32] Trichloroethene	4.93	95	1961	0.197	ppb		95
33) 1,2-Dichloropropane	5.13	63	2553	0.280	ppb	#	90
34) Bromodichloromethane	5.37	83	2344	0.216	ppb		81
36) Dibromomethane	5.23	93	1126	0.208	ppb		89

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

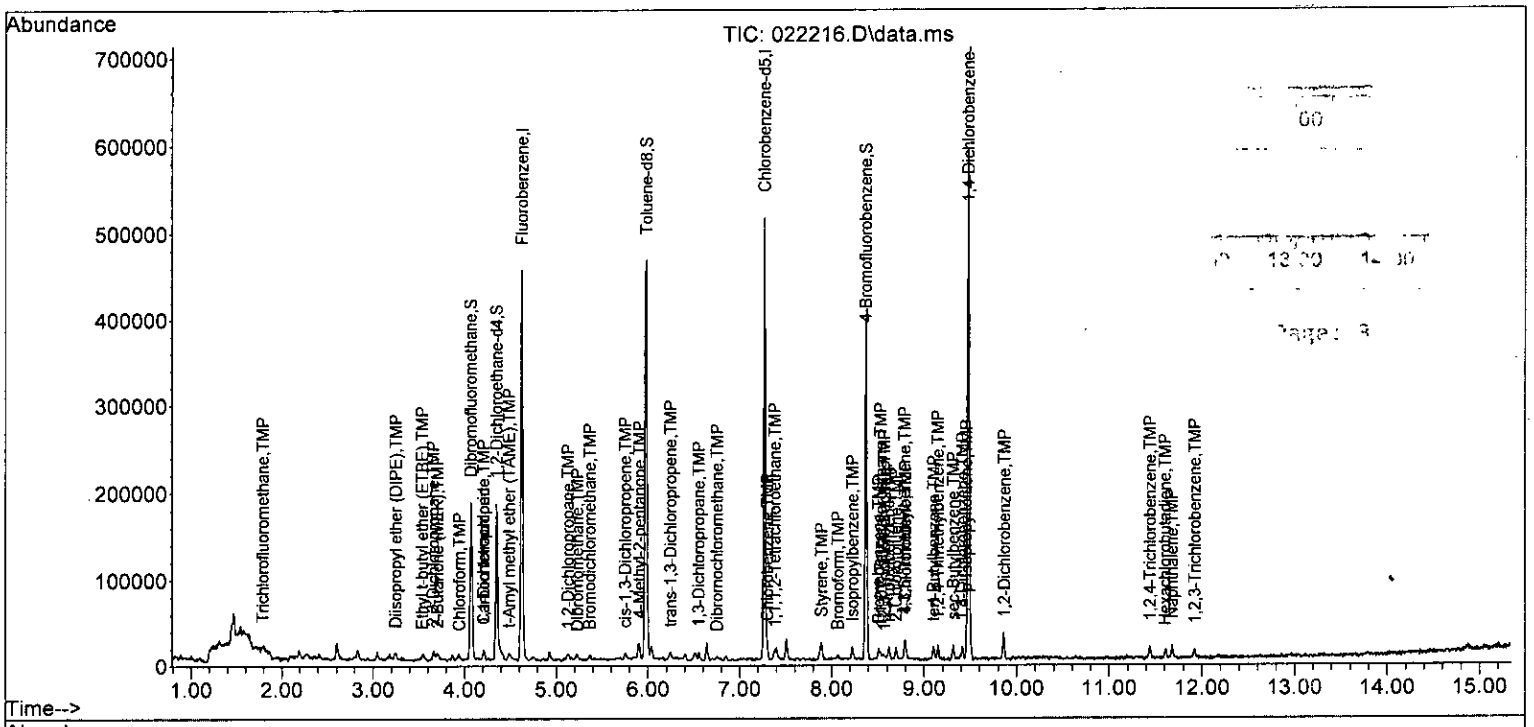
Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

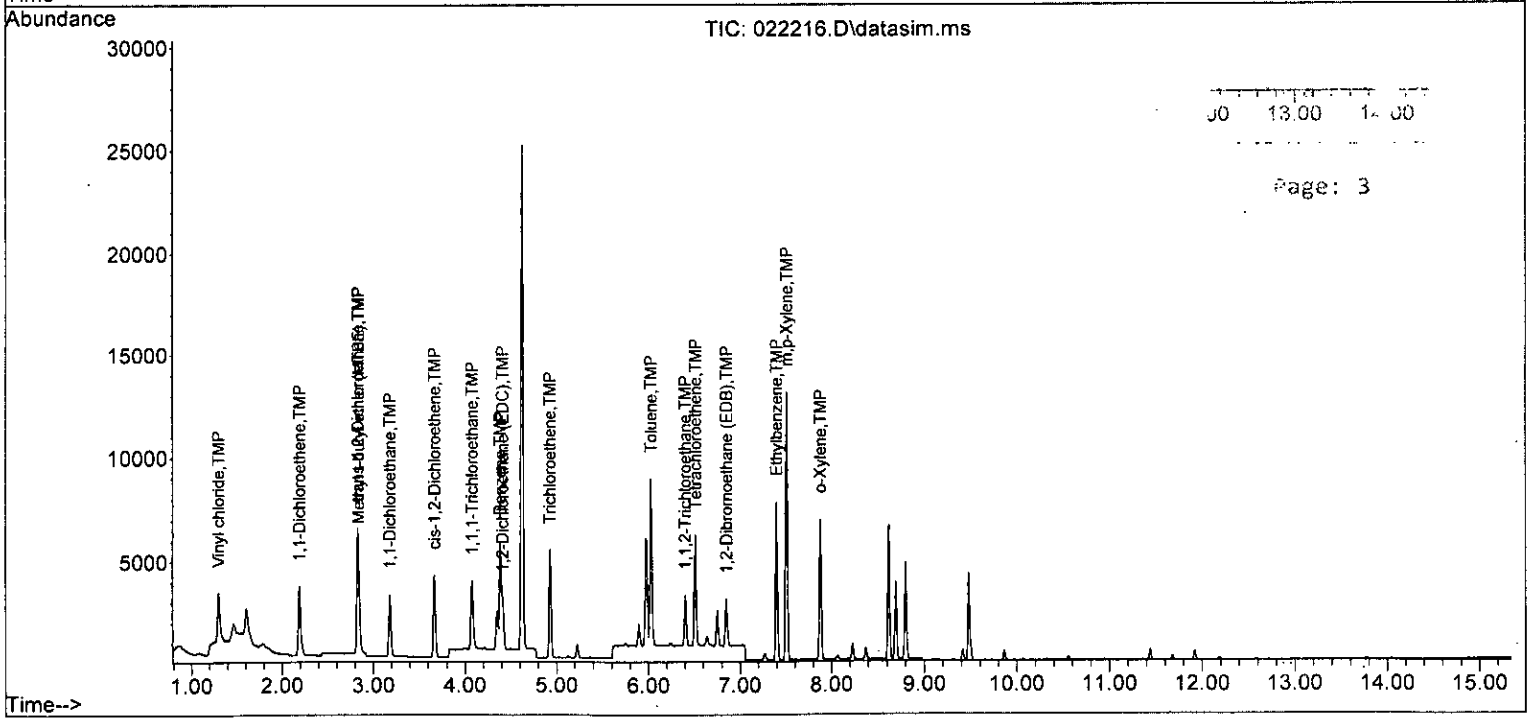
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1938	1.279	ppb	#	81
38) cis-1,3-Dichloropropene	5.75	75	3148	0.250	ppb	#	70
40] Toluene	6.03	92	4128	0.203	ppb		100
41) trans-1,3-Dichloropropene	6.25	75	2700	0.238	ppb		72
42] 1,1,2-Trichloroethane	6.40	83	1261	0.203	ppb		99
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.55	76	1987	0.194	ppb		92
45] Tetrachloroethene	6.51	164	1955	0.205	ppb		98
46) Dibromochloromethane	6.75	129	2019	0.221	ppb	#	52
47] 1,2-Dibromoethane (EDB)	6.85	107	1699	0.211	ppb		98
48) Chlorobenzene	7.30	112	4824	0.217	ppb		94
49] Ethylbenzene	7.40	91	7676	0.199	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.38	131	2733	0.249	ppb	#	51
51] m,p-Xylene	7.51	106	6133	0.404	ppb		98
52] o-Xylene	7.88	106	3018	0.198	ppb		95
53) Styrene	7.89	104	5536	0.243	ppb		94
54) Isopropylbenzene	8.23	105	7359	0.211	ppb		94
55) Bromoform	8.07	173	1830	0.246	ppb		80
58) n-Propylbenzene	8.62	91	8777	0.213	ppb		90
59) Bromobenzene	8.51	156	2935	0.247	ppb		94
60) 1,3,5-Trimethylbenzene	8.79	105	6995	0.230	ppb		89
61) 1,1,2,2-Tetrachloroethane	8.53	83	2992	0.249	ppb		85
62) 1,2,3-Trichloropropane	8.57	75	1720	0.238	ppb		78
63) 2-Chlorotoluene	8.70	91	5916	0.239	ppb		97
64) 4-Chlorotoluene	8.80	91	6944	0.244	ppb		78
65) tert-Butylbenzene	9.10	119	5907	0.209	ppb		86
66) 1,2,4-Trimethylbenzene	9.15	105	6754	0.214	ppb		75
67) sec-Butylbenzene	9.31	105	8496	0.213	ppb		98
68) p-Isopropyltoluene	9.46	119	7937	0.224	ppb		87
69) 1,3-Dichlorobenzene	9.41	146	5001	0.237	ppb		94
70) 1,4-Dichlorobenzene	9.41	146	5001	0.240	ppb		92
71) 1,2-Dichlorobenzene	9.87	146	4434	0.219	ppb		79
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	3979	0.242	ppb		93
74) Hexachlorobutadiene	11.60	225	1119	0.142	ppb	#	41
75) Naphthalene	11.68	128	9063	0.247	ppb		80
76) 1,2,3-Trichlorobenzene	11.92	180	3164	0.211	ppb		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	99	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.908	0.9	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.200	0.196	2.0	96	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	0.200	0.260	-30.0#	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.200	0.203	-1.5	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.203	-1.5	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.204	-2.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.231	-15.5	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.207	-3.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.244	-22.0#	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.172	14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23	TMP	Chloroform	0.200	0.254	-27.0#	100	0.00
24	TMP	2-Butanone (MEK)	1.000	0.918	8.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.216	-8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.199	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.203	-1.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.190	5.0	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.284	-42.0#	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.745	2.6	100	0.00
31	TMP	Benzene	0.200	0.198	1.0	100	0.00
32	TMP	Trichloroethene	0.200	0.197	1.5	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.280	-40.0#	100	0.00
34	TMP	Bromodichloromethane	0.200	0.216	-8.0	100	0.00
35	S	Toluene-d8	10.000	9.575	4.3	100	0.01
36	TMP	Dibromomethane	0.200	0.208	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	1.279	-27.9#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.200	0.250	-25.0#	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.203	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.238	-19.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.203	-1.5	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.194	3.0	100	0.00
45	TMP	Tetrachloroethene	0.200	0.205	-2.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.221	-10.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.211	-5.5	100	0.00
48	TMP	Chlorobenzene	0.200	0.217	-8.5	100	0.00
49	TMP	Ethylbenzene	0.200	0.199	0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.249	-24.5#	100	0.00
51	TMP	m,p-Xylene	0.400	0.404	-1.0	100	0.00
52	TMP	o-Xylene	0.200	0.198	1.0	100	0.00
53	TMP	Styrene	0.200	0.243	-21.5#	100	0.00
54	TMP	Isopropylbenzene	0.200	0.211	-5.5	100	0.00
55	TMP	Bromoform	0.200	0.246	-23.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.619	3.8	100	0.00
58	TMP	n-Propylbenzene	0.200	0.213	-6.5	100	0.00
59	TMP	Bromobenzene	0.200	0.247	-23.5#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.230	-15.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.249	-24.5#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.238	-19.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.239	-19.5	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.244	-22.0#	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.209	-4.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.214	-7.0	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.213	-6.5	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.224	-12.0	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.237	-18.5	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.240	-20.0	100	-0.09
71	TMP	1,2-Dichlorobenzene	0.200	0.219	-9.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.242	-21.0#	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.142	29.0#	130	0.00
75	TMP	Naphthalene	0.200	0.247	-23.5#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.211	-5.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.276	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.592	1.8	96	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.996	-29.9#	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.302	-1.7	100	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.703	-1.6	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.284	1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	1.128	-15.2	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.542	-3.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.355	-22.0#	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.490	-48.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.311	0.6	100	0.00
23	TMP	Chloroform	0.473	0.601	-27.1#	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.226	8.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.701	-8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.462	-4.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.444	-1.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.324	5.0	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.583	-42.2#	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	1.048	1.041	0.7	100	0.00
32	TMP	Trichloroethene	0.329	0.317	3.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.413	-40.0#	100	0.00
34	TMP	Bromodichloromethane	0.351	0.379	-8.0	100	0.00
35	S	Toluene-d8	0.941	0.901	4.3	100	0.01
36	TMP	Dibromomethane	0.176	0.182	-3.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.063	-28.6#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.509	-25.1#	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.872	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.571	-19.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.266	-1.5	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

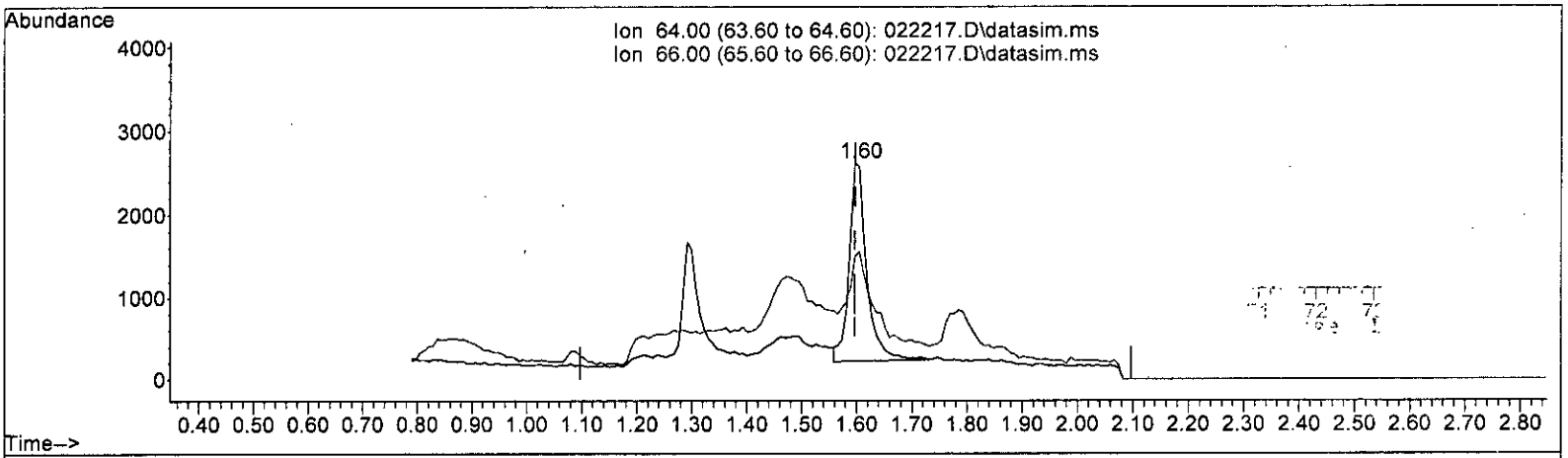
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.420	3.0	100	0.00
45	TMP	Tetrachloroethene	0.403	0.413	-2.5	100	0.00
46	TMP	Dibromochloromethane	0.386	0.427	-10.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.359	-5.6	100	0.00
48	TMP	Chlorobenzene	0.941	1.020	-8.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.622	0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.578	-52.1#	100	0.00
51	TMP	m,p-Xylene	0.656	0.648	1.2	100	0.00
52	TMP	o-Xylene	0.643	0.638	0.8	100	0.00
53	TMP	Styrene	0.964	1.170	-21.4#	100	0.00
54	TMP	Isopropylbenzene	1.476	1.555	-5.4	100	0.00
55	TMP	Bromoform	0.315	0.387	-22.9#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.697	3.7	100	0.00
58	TMP	n-Propylbenzene	2.900	3.088	-6.5	100	0.00
59	TMP	Bromobenzene	0.834	1.033	-23.9#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.461	-15.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	1.053	-56.7#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.605	-18.9	100	0.00
63	TMP	2-Chlorotoluene	1.744	2.081	-19.3	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.443	-21.8#	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.078	-4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.376	-7.0	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.989	-6.7	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.792	-11.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.759	-18.5	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.759	-19.8	100	-0.09
71	TMP	1,2-Dichlorobenzene	1.425	1.560	-9.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	1.400	-21.0#	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.394	28.8#	130	0.00
75	TMP	Naphthalene	2.586	3.188	-23.3#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.113	-5.3	100	0.00

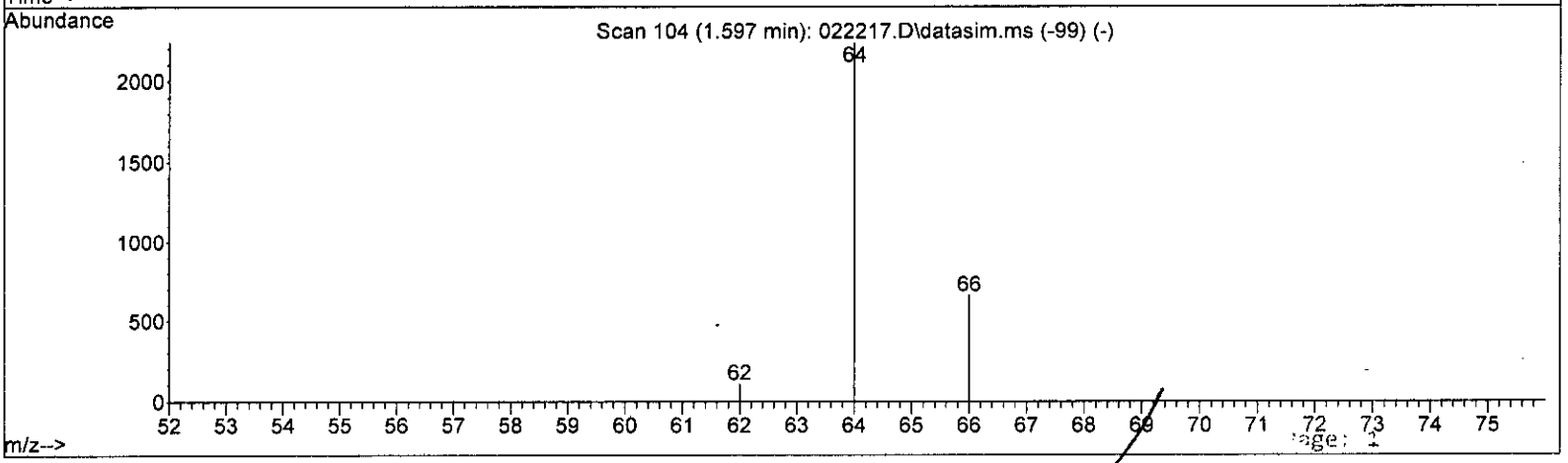
(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(8) Chloroethane (TMP)

1.597min (-0.000) 0.604 ppb

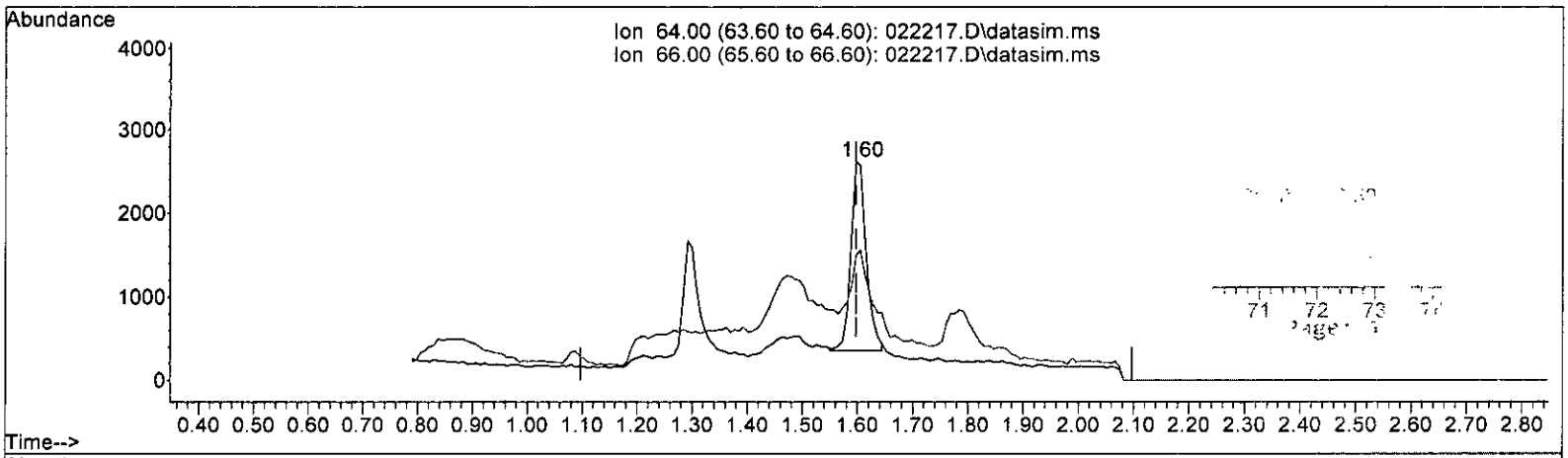
response 5333

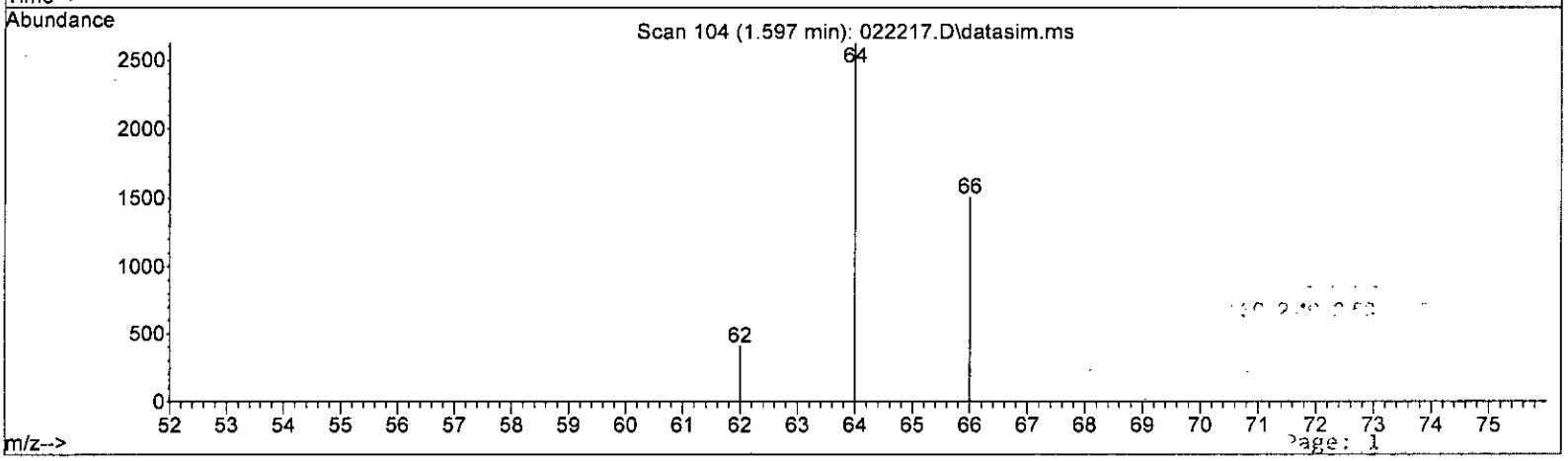
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	45.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(8) Chloroethane (TMP)

1.597min (-0.000) 0.498 ppb m

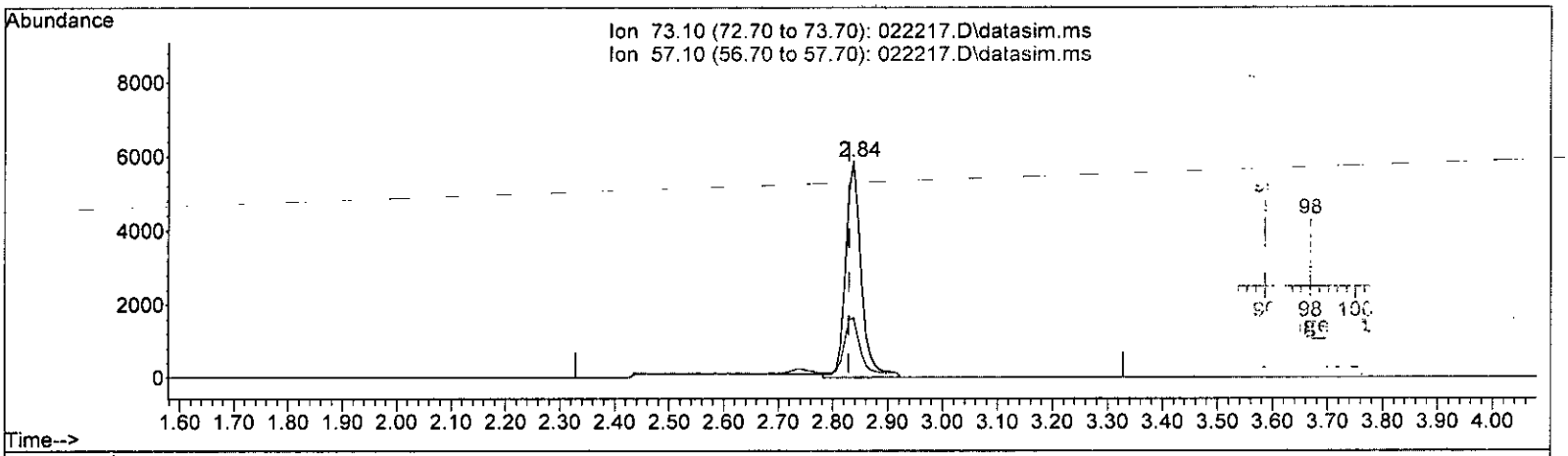
response 4398

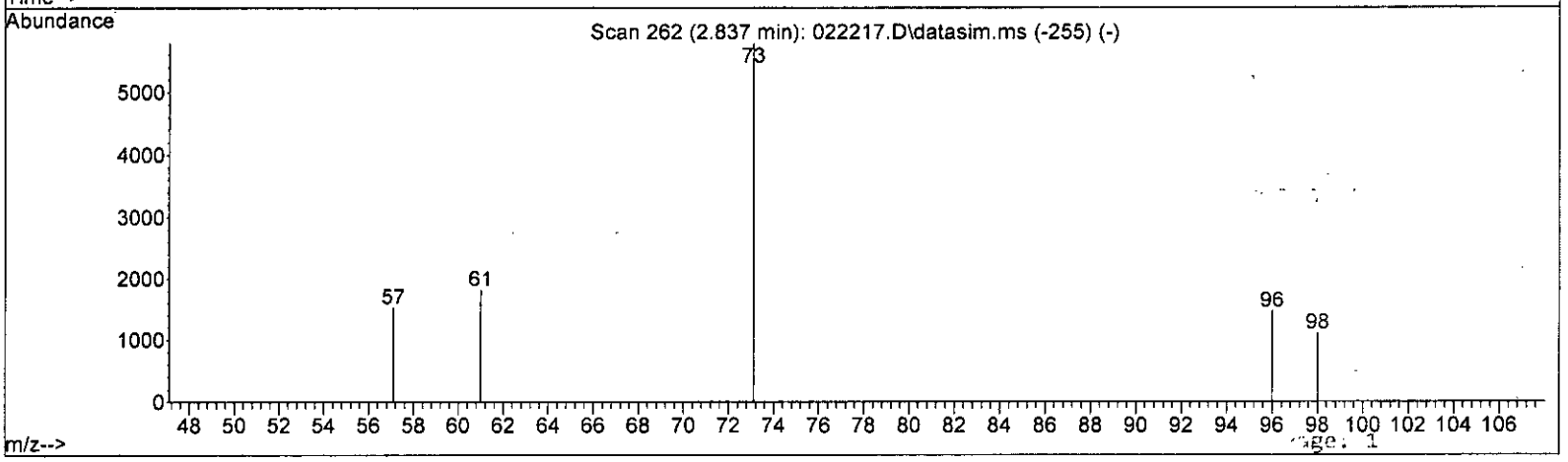
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	57.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.532 ppb

response 11679

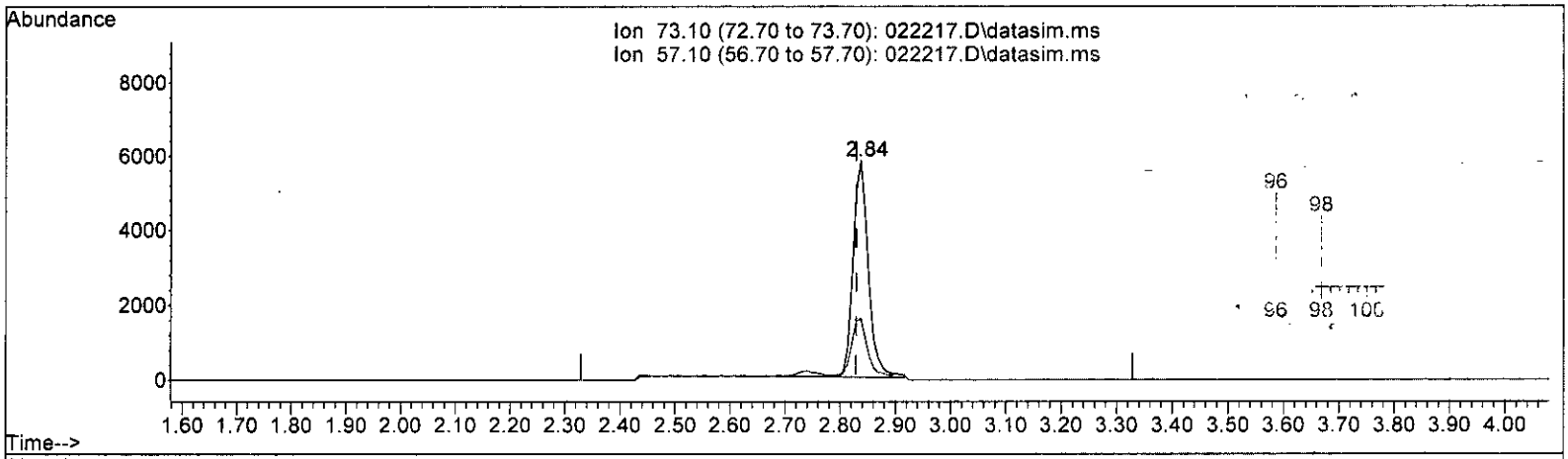
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	28.02
0.00	0.00	0.00
0.00	0.00	0.00

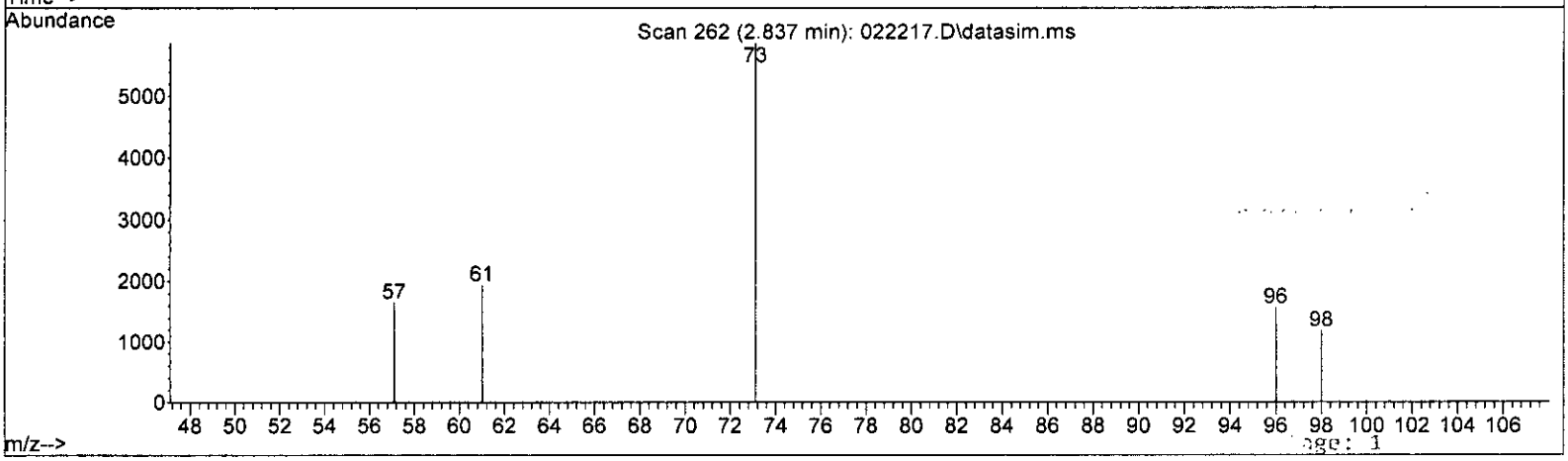
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.506 ppb m

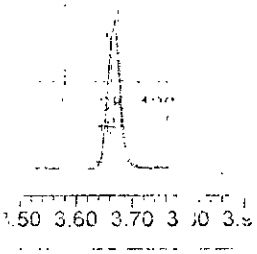
response 11111

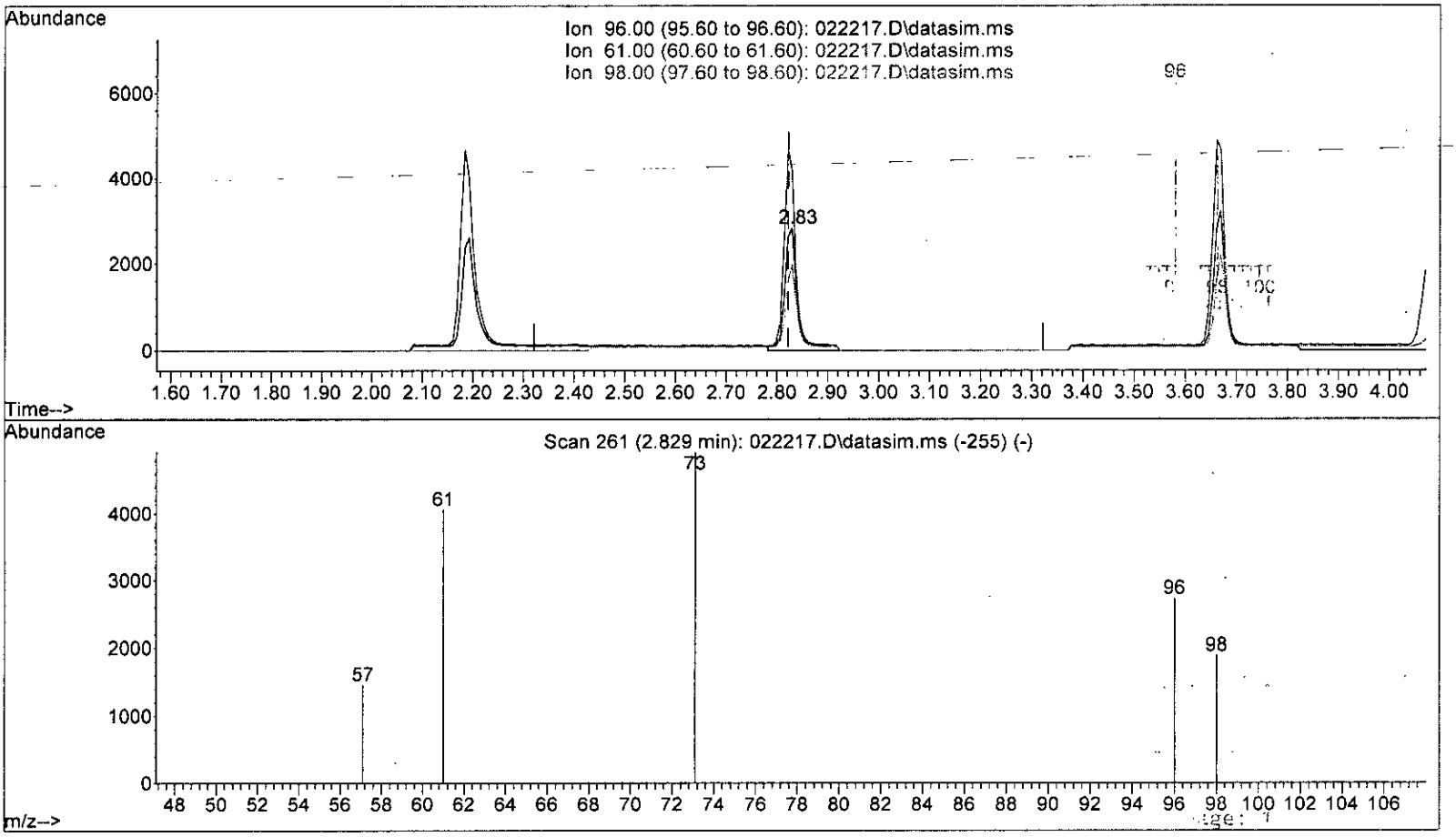
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	28.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.007) 0.594 ppb

response 4975

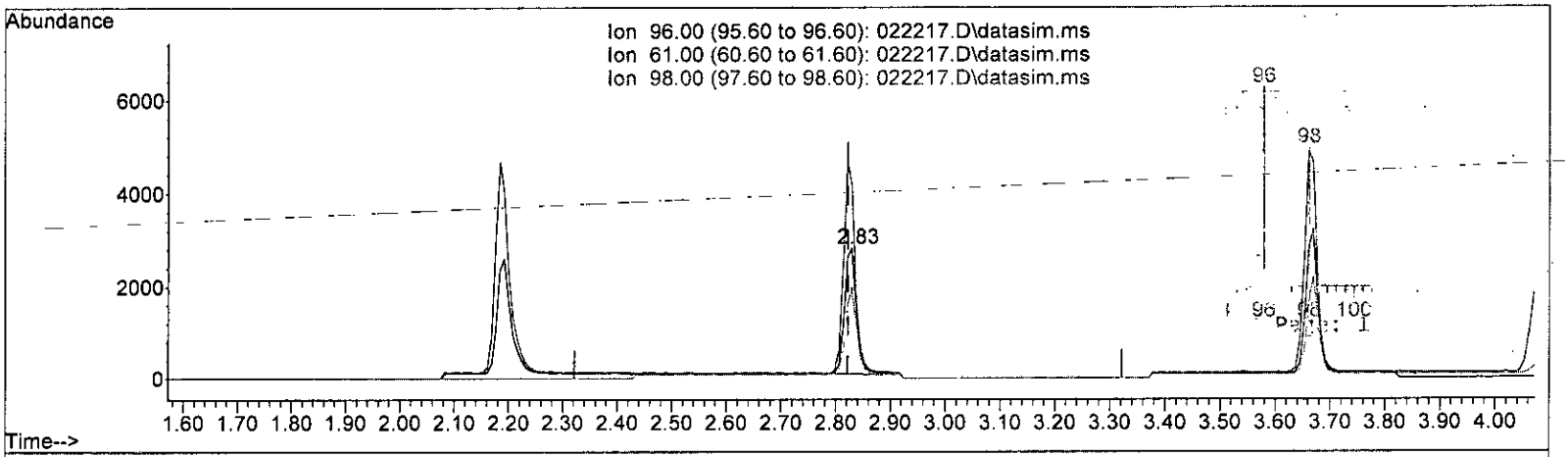
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.70	147.56
98.00	62.40	69.50
0.00	0.00	0.00

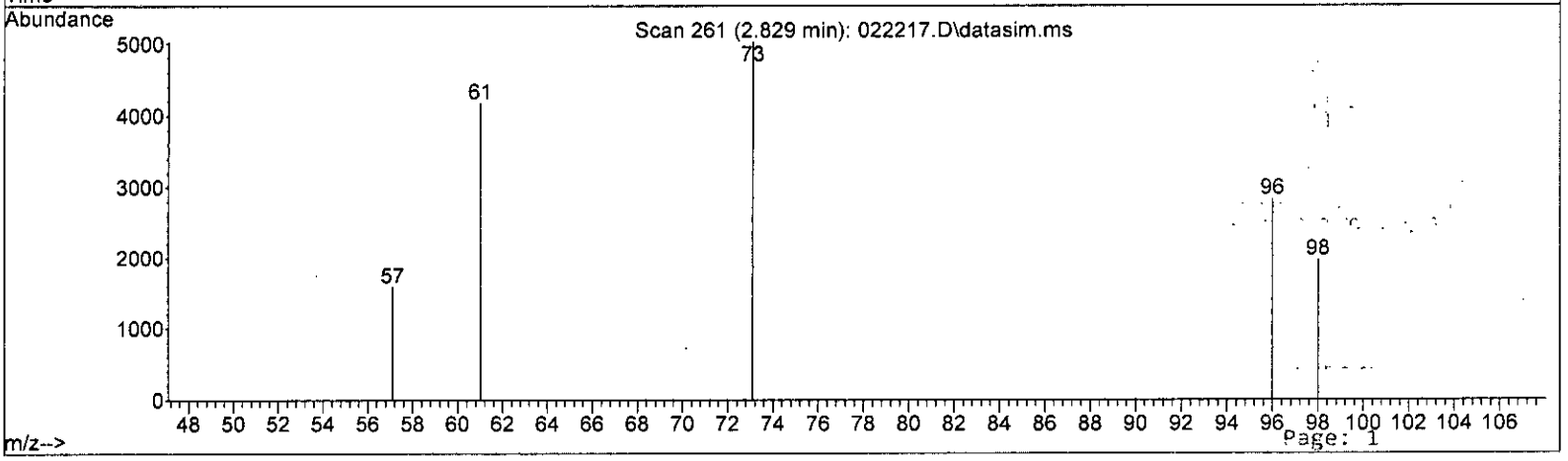
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.007) 0.503 ppb m

response 4237

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.70	147.56
98.00	62.40	69.50
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	317376	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	254259	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	149235	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	88414	10.011	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.10%			
30) 1,2-Dichloroethane-d4	4.36	102	20943	10.672	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.70%			
35) Toluene-d8	5.98	98	292365	9.787	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.90%			
57) 4-Bromofluorobenzene	8.37	95	108392	10.026	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.30%			
Target Compounds						Qvalue
2) Ethanol	1.83	45	757	No Calib		
4) Dichlorodifluoromethane	1.09	85	8221	0.472	ppb	94
5) Chloromethane	1.22	50	14268	0.629	ppb	92
6] Vinyl chloride	1.29	62	9755	0.510	ppb	94
7) Bromomethane	0.00		0	N.D.		
8] Chloroethane	1.60	64	4398m	0.498	ppb	
9) Trichlorofluoromethane	1.79	101	14318	0.588	ppb	100
10) 2-Propanol	2.40	45	3792	No Calib		
11) Acetone	2.27	58	6285	2.760	ppb	97
12] 1,1-Dichloroethene	2.19	96	4797	0.509	ppb	88
13) Hexane	3.05	57	8520	0.639	ppb	76
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	2.73	59	3543	2.790	ppb	66
16] Methyl t-butyl ether (...	2.84	73	11111m	0.506	ppb	
17] trans-1,2-Dichloroethene	2.83	96	4237m	0.503	ppb	
18) Diisopropyl ether (DIPE)	3.24	45	15705	0.506	ppb	87
19] 1,1-Dichloroethane	3.18	63	8227	0.494	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	4959	0.536	ppb #	50
21) 2,2-Dichloropropane	3.66	77	6383	0.526	ppb	96
22] cis-1,2-Dichloroethene	3.67	96	4699	0.501	ppb	84
23) Chloroform	3.94	83	7620	0.508	ppb	80
24) 2-Butanone (MEK)	3.71	43	18643	2.387	ppb	89
25) t-Amyl methyl ether (T...	4.50	73	11773	0.571	ppb	92
26] 1,2-Dichloroethane (EDC)	4.41	62	6978	0.508	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	6924	0.498	ppb	91
28) 1,1-Dichloropropene	4.21	75	5495	0.507	ppb	76
29) Carbon tetrachloride	4.21	117	6469	0.497	ppb	94
31] Benzene	4.38	78	16164	0.486	ppb	98
32] Trichloroethene	4.93	95	4858	0.496	ppb	98
33) 1,2-Dichloropropane	5.13	63	5146	0.549	ppb	95
34) Bromodichloromethane	5.37	83	5325	0.478	ppb	66
36) Dibromomethane	5.23	93	3348	0.601	ppb	92

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

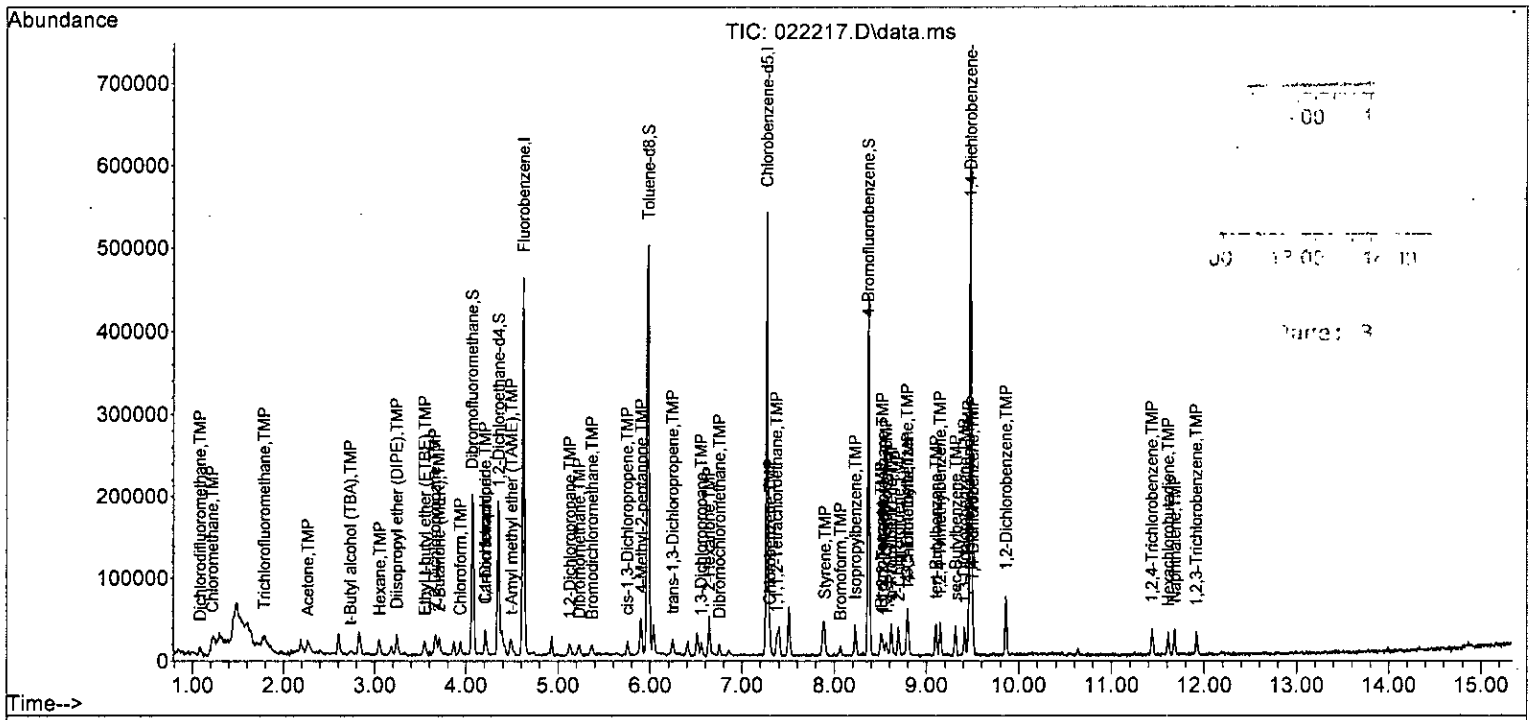
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	3689	2.371	ppb	#	74
38) cis-1,3-Dichloropropene	5.75	75	6492	0.503	ppb		90
40] Toluene	6.03	92	10656	0.488	ppb		97
41) trans-1,3-Dichloropropene	6.25	75	6663	0.546	ppb		75
42] 1,1,2-Trichloroethane	6.40	83	3167	0.475	ppb		98
43) 2-Hexanone	6.64	43	24439	2.523	ppb		96
44) 1,3-Dichloropropane	6.55	76	5552	0.505	ppb		85
45] Tetrachloroethene	6.51	164	5001	0.488	ppb		97
46) Dibromochloromethane	6.75	129	4882	0.497	ppb		80
47] 1,2-Dibromoethane (EDB)	6.85	107	4344	0.503	ppb		99
48) Chlorobenzene	7.30	112	12026	0.502	ppb		96
49] Ethylbenzene	7.40	91	19782	0.477	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.37	131	4953	0.469	ppb		86
51] m,p-Xylene	7.51	106	15668	0.999	ppb		100
52] o-Xylene	7.88	106	7775	0.475	ppb		97
53) Styrene	7.90	104	12394	0.505	ppb		97
54) Isopropylbenzene	8.23	105	18376	0.490	ppb		76
55) Bromoform	8.07	173	3925	0.490	ppb		72
58) n-Propylbenzene	8.62	91	23975	0.554	ppb		96
59) Bromobenzene	8.51	156	7370	0.592	ppb	#	73
60) 1,3,5-Trimethylbenzene	8.79	105	15985	0.501	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.52	83	5361	0.485	ppb		92
62) 1,2,3-Trichloropropane	8.56	75	4158	0.548	ppb		93
63) 2-Chlorotoluene	8.70	91	13878	0.533	ppb		90
64) 4-Chlorotoluene	8.80	91	15006	0.501	ppb		95
65) tert-Butylbenzene	9.10	119	15805	0.532	ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	15950	0.482	ppb		92
67) sec-Butylbenzene	9.32	105	20655	0.494	ppb		88
68) p-Isopropyltoluene	9.46	119	18458	0.496	ppb		96
69) 1,3-Dichlorobenzene	9.41	146	12152	0.549	ppb		83
70) 1,4-Dichlorobenzene	9.50	146	11996	0.548	ppb		94
71) 1,2-Dichlorobenzene	9.86	146	11083	0.521	ppb		95
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	8651	0.501	ppb		93
74) Hexachlorobutadiene	11.61	225	4068	0.493	ppb	#	57
75) Naphthalene	11.68	128	19013	0.493	ppb		94
76) 1,2,3-Trichlorobenzene	11.91	180	8227	0.521	ppb		76

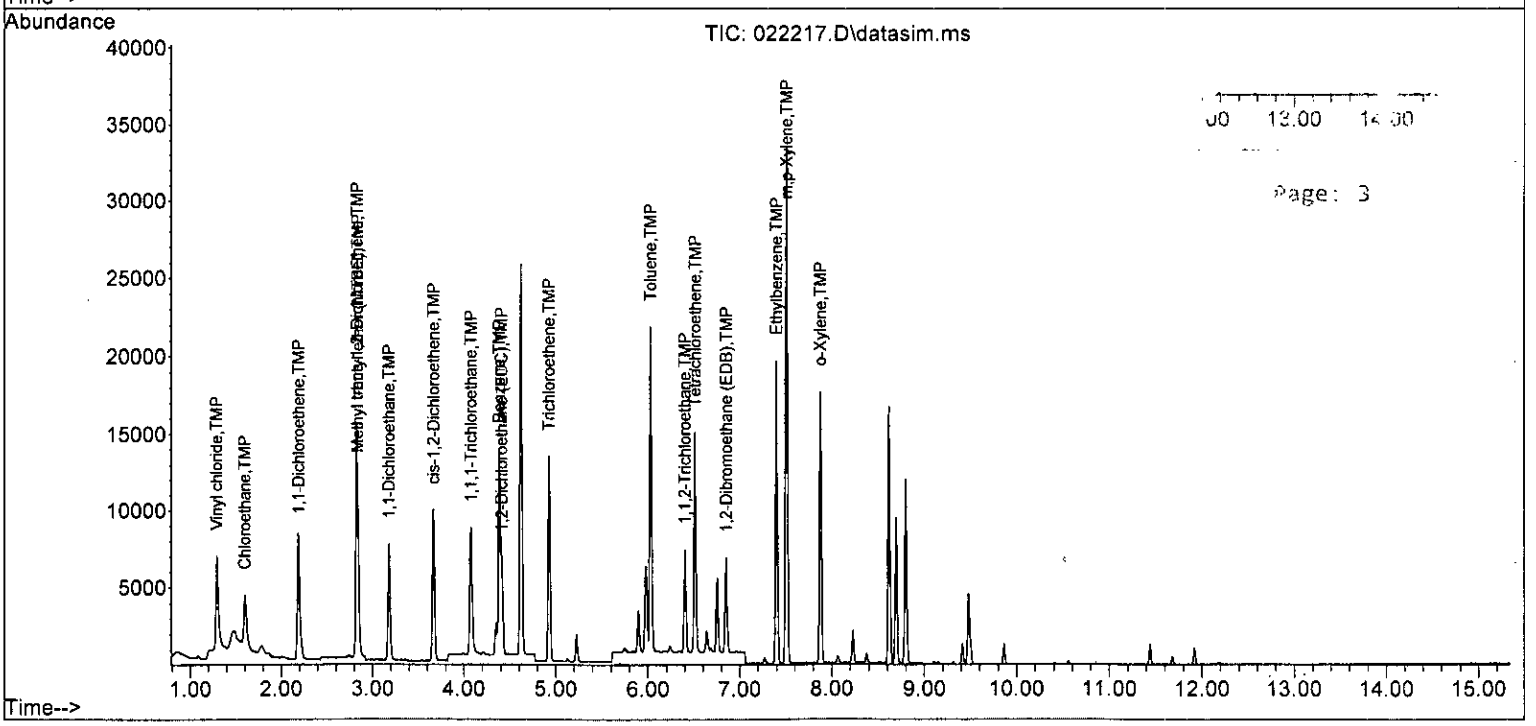
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page: 2

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
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InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.04
3	S	Dibromofluoromethane	10.000	10.011	-0.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.472	5.6	100	0.00
5	TMP	Chloromethane	0.500	0.629	-25.8#	100	0.00
6	TMP	Vinyl chloride	0.500	0.510	-2.0	107	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	0.500	0.498	0.4	101	0.00
9	TMP	Trichlorofluoromethane	0.500	0.588	-17.6	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	2.500	2.760	-10.4	100	0.00
12	TMP	1,1-Dichloroethene	0.500	0.509	-1.8	105	0.00
13	TMP	Hexane	0.500	0.639	-27.8#	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	2.500	2.790	-11.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.506	-1.2	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.503	-0.6	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.506	-1.2	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.494	1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.536	-7.2	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.526	-5.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
23	TMP	Chloroform	0.500	0.508	-1.6	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.387	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.571	-14.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.508	-1.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.498	0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.507	-1.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.497	0.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.672	-6.7	100	0.00
31	TMP	Benzene	0.500	0.486	2.8	100	0.00
32	TMP	Trichloroethene	0.500	0.496	0.8	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.549	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.500	0.478	4.4	100	0.00
35	S	Toluene-d8	10.000	9.787	2.1	100	0.01
36	TMP	Dibromomethane	0.500	0.601	-20.2#	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.371	5.2	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.500	0.503	-0.6	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.488	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.546	-9.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.475	5.0	100	0.00
43	TMP	2-Hexanone	2.500	2.523	-0.9	102	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.505	-1.0	100	0.00
45	TMP	Tetrachloroethene	0.500	0.488	2.4	100	0.00
46	TMP	Dibromochloromethane	0.500	0.497	0.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.503	-0.6	100	0.00
48	TMP	Chlorobenzene	0.500	0.502	-0.4	100	0.00
49	TMP	Ethylbenzene	0.500	0.477	4.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.469	6.2	100	0.00
51	TMP	m,p-Xylene	1.000	0.999	0.1	100	0.00
52	TMP	o-Xylene	0.500	0.475	5.0	100	0.00
53	TMP	Styrene	0.500	0.505	-1.0	100	0.00
54	TMP	Isopropylbenzene	0.500	0.490	2.0	100	0.00
55	TMP	Bromoform	0.500	0.490	2.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.026	-0.3	100	0.00
58	TMP	n-Propylbenzene	0.500	0.554	-10.8	100	0.00
59	TMP	Bromobenzene	0.500	0.592	-18.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.501	-0.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.485	3.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.548	-9.6	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.533	-6.6	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.501	-0.2	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.532	-6.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.482	3.6	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.494	1.2	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.496	0.8	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.549	-9.8	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.548	-9.6	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.521	-4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	0.500	0.501	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.493	1.4	100	0.00
75	TMP	Naphthalene	0.500	0.493	1.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.521	-4.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.04
3	S	Dibromofluoromethane	0.278	0.279	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.518	5.6	100	0.00
5	TMP	Chloromethane	0.714	0.899	-25.9#	100	0.00
6	TMP	Vinyl chloride	0.603	0.615	-2.0	107	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.277	0.4	101	0.00
9	TMP	Trichlorofluoromethane	0.767	0.902	-17.6	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.079	-9.7	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.302	-1.7	105	0.00
13	TMP	Hexane	0.420	0.537	-27.9#	100	0.00
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.045	-12.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.700	-1.2	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.267	7.0	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.990	-1.1	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.518	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.313	-7.6	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.402	-21.8#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.296	5.4	100	0.00
23	TMP	Chloroform	0.473	0.480	-1.5	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.235	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.742	-14.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.440	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.436	0.5	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.346	-1.5	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.408	0.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.019	2.8	100	0.00
32	TMP	Trichloroethene	0.329	0.306	7.0	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.324	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.351	0.336	4.3	100	0.00
35	S	Toluene-d8	0.941	0.921	2.1	100	0.01
36	TMP	Dibromomethane	0.176	0.211	-19.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.409	-0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.838	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.524	-9.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.249	5.0	100	0.00
43	TMP	2-Hexanone	0.381	0.384	-0.8	102	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.437	-0.9	100	0.00
45	TMP	Tetrachloroethene	0.403	0.393	2.5	100	0.00
46	TMP	Dibromochloromethane	0.386	0.384	0.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.342	-0.6	100	0.00
48	TMP	Chlorobenzene	0.941	0.946	-0.5	100	0.00
49	TMP	Ethylbenzene	1.632	1.556	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.390	-2.6	100	0.00
51	TMP	m,p-Xylene	0.656	0.616	6.1	100	0.00
52	TMP	o-Xylene	0.643	0.612	4.8	100	0.00
53	TMP	Styrene	0.964	0.975	-1.1	100	0.00
54	TMP	Isopropylbenzene	1.476	1.445	2.1	100	0.00
55	TMP	Bromoform	0.315	0.309	1.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.726	-0.3	100	0.00
58	TMP	n-Propylbenzene	2.900	3.213	-10.8	100	0.00
59	TMP	Bromobenzene	0.834	0.988	-18.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.142	-0.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.718	-6.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.557	-9.4	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.860	-6.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.011	-0.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.118	-6.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.138	3.7	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.768	1.2	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.474	0.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.629	-9.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.608	-9.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.485	-4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	1.159	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.545	1.4	100	0.00
75	TMP	Naphthalene	2.586	2.548	1.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.103	-4.4	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	318909	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	262133	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	150812	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	90568	10.206	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.10%				
30) 1,2-Dichloroethane-d4	4.35	102	19430	9.853	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%				
35) Toluene-d8	5.98	98	305485	10.177	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.80%				
57) 4-Bromofluorobenzene	8.38	95	107747	9.862	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.60%				
Target Compounds							Qvalue
2) Ethanol	1.88	45	270	No Calib			
4) Dichlorodifluoromethane	1.08	85	18836	1.076	ppb		91
5) Chloromethane	1.22	50	25199	1.106	ppb		99
6] Vinyl chloride	1.29	62	19409	1.009	ppb		92
7) Bromomethane	1.55	94	9388	0.822	ppb	#	47
8] Chloroethane	1.60	64	9505	1.071	ppb		87
9) Trichlorofluoromethane	1.78	101	25751	1.053	ppb	#	58
10) 2-Propanol	2.40	45	4207	No Calib			
11) Acetone	2.26	58	12832	5.608	ppb		97
12] 1,1-Dichloroethene	2.18	96	9186	0.971	ppb		93
13) Hexane	3.05	57	14865	1.109	ppb		91
14) Methylene chloride	2.60	84	12627	1.421	ppb		91
15) t-Butyl alcohol (TBA)	2.72	59	6420	5.031	ppb		84
16] Methyl t-butyl ether (...	2.84	73	22671	1.028	ppb		96
17] trans-1,2-Dichloroethene	2.82	96	9084	1.093	ppb		97
18) Diisopropyl ether (DIPE)	3.24	45	30536	0.978	ppb		93
19] 1,1-Dichloroethane	3.17	63	16366	0.979	ppb		98
20) Ethyl t-butyl ether (E...	3.55	87	9303	1.001	ppb		92
21) 2,2-Dichloropropane	3.66	77	9811	0.892	ppb		75
22] cis-1,2-Dichloroethene	3.66	96	9270	0.996	ppb		98
23) Chloroform	3.94	83	14828	0.983	ppb		90
24) 2-Butanone (MEK)	3.70	43	36711	4.678	ppb		96
25) t-Amyl methyl ether (T...	4.50	73	20990	1.014	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	13386	0.993	ppb		100
27] 1,1,1-Trichloroethane	4.08	97	13761	0.986	ppb		88
28) 1,1-Dichloropropene	4.22	75	10660	0.979	ppb		78
29) Carbon tetrachloride	4.21	117	12439	0.951	ppb		94
31] Benzene	4.38	78	32073	0.959	ppb		100
32] Trichloroethene	4.93	95	9736	1.004	ppb		96
33) 1,2-Dichloropropane	5.13	63	10331	1.098	ppb		92
34) Bromodichloromethane	5.37	83	11344	1.014	ppb		78
36) Dibromomethane	5.22	93	5722	1.022	ppb		90

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Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	8562	5.477	ppb	#	79
38) cis-1,3-Dichloropropene	5.75	75	12795	0.986	ppb		85
40] Toluene	6.03	92	20659	0.918	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	12711	1.011	ppb		82
42] 1,1,2-Trichloroethane	6.40	83	6312	0.918	ppb		99
43) 2-Hexanone	6.64	43	51374	5.143	ppb		93
44) 1,3-Dichloropropane	6.55	76	11498	1.014	ppb		100
45] Tetrachloroethene	6.51	164	9716	0.920	ppb		99
46) Dibromochloromethane	6.75	129	10363	1.024	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	8504	0.955	ppb		98
48) Chlorobenzene	7.29	112	24163	0.979	ppb		94
49] Ethylbenzene	7.40	91	38943	0.910	ppb		98
50) 1,1,1,2-Tetrachloroethane	7.37	131	9337	0.919	ppb		86
51] m,p-Xylene	7.51	106	30724	1.925	ppb		98
52] o-Xylene	7.88	106	15238	0.904	ppb		98
53) Styrene	7.89	104	23555	0.932	ppb		87
54) Isopropylbenzene	8.23	105	37274	0.963	ppb		93
55) Bromoform	8.07	173	8365	1.014	ppb		81
58) n-Propylbenzene	8.62	91	42527	0.972	ppb		97
59) Bromobenzene	8.51	156	12398	0.985	ppb		80
60) 1,3,5-Trimethylbenzene	8.79	105	29395	0.912	ppb		78
61) 1,1,2,2-Tetrachloroethane	8.53	83	9850	0.953	ppb		69
62) 1,2,3-Trichloropropane	8.56	75	8162	1.064	ppb		77
63) 2-Chlorotoluene	8.70	91	25485	0.969	ppb		84
64) 4-Chlorotoluene	8.80	91	29770	0.984	ppb		97
65) tert-Butylbenzene	9.10	119	29311	0.975	ppb		97
66) 1,2,4-Trimethylbenzene	9.15	105	32864	0.982	ppb		100
67) sec-Butylbenzene	9.31	105	41192	0.975	ppb		97
68) p-Isopropyltoluene	9.46	119	35927	0.955	ppb		93
69) 1,3-Dichlorobenzene	9.42	146	21515	0.961	ppb		92
70) 1,4-Dichlorobenzene	9.50	146	21770	0.983	ppb		86
71) 1,2-Dichlorobenzene	9.86	146	20561	0.957	ppb		88
72) 1,2-Dibromo-3-chloropr...	10.63	75	2246	1.028	ppb		82
73) 1,2,4-Trichlorobenzene	11.44	180	16602	0.951	ppb		83
74) Hexachlorobutadiene	11.61	225	9309	1.115	ppb		74
75) Naphthalene	11.68	128	34989	0.897	ppb		97
76) 1,2,3-Trichlorobenzene	11.92	180	15615	0.979	ppb		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

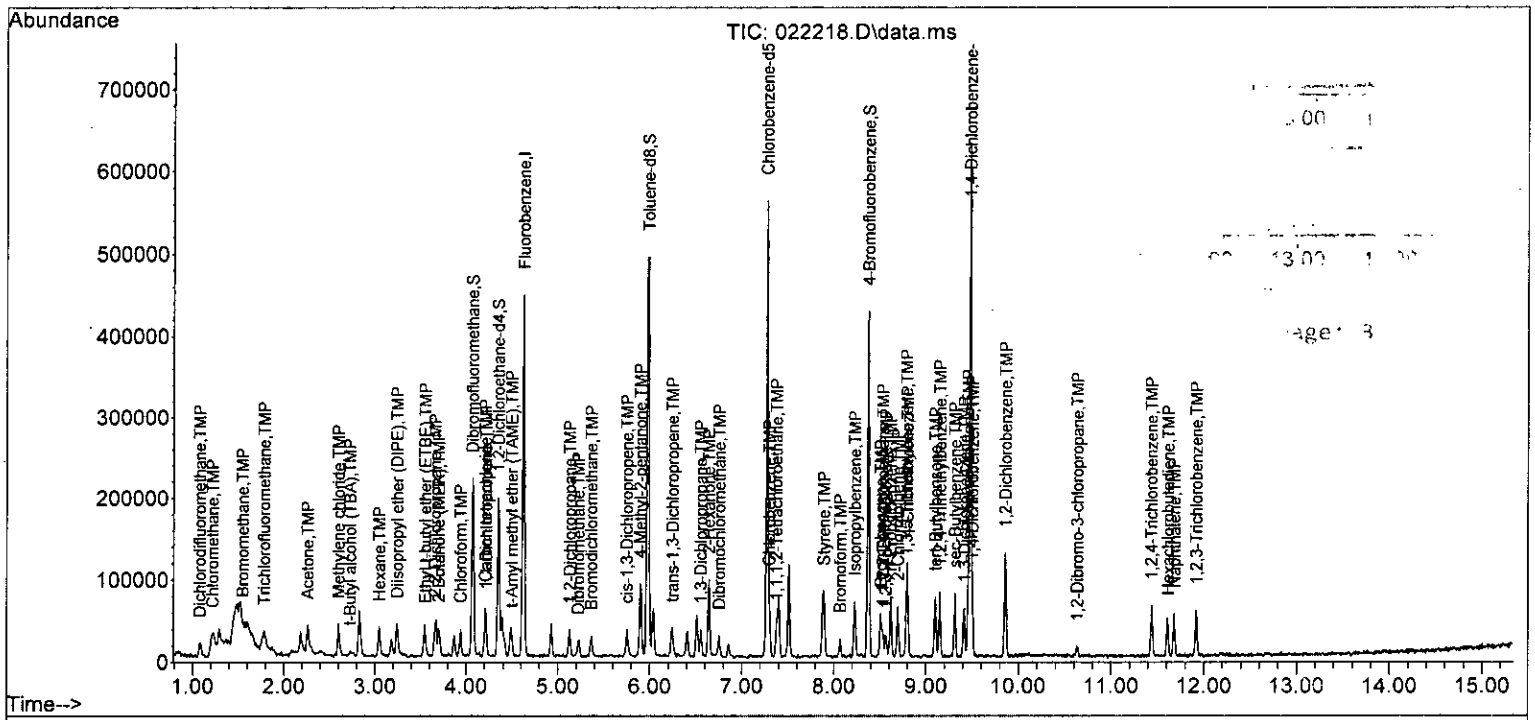
Page: 2

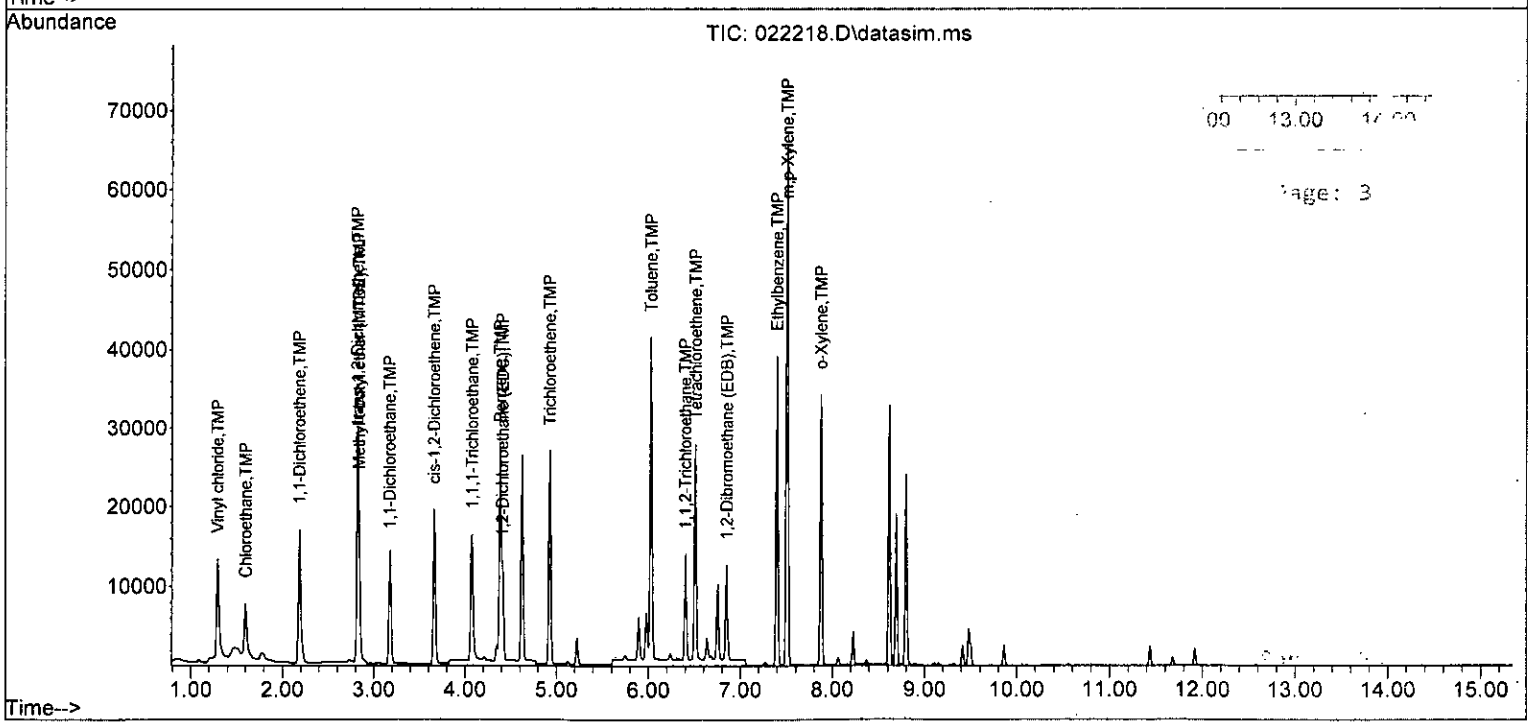
Page: 2

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.206	-2.1	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	1.076	-7.6	100	0.00
5	TMP	Chloromethane	1.000	1.106	-10.6	100	0.00
6	TMP	Vinyl chloride	1.000	1.009	-0.9	104	0.00
7	TMP	Bromomethane	-1.000	0.822	0.0	0	0.02
8	TMP	Chloroethane	1.000	1.071	-7.1	100	0.00
9	TMP	Trichlorofluoromethane	1.000	1.053	-5.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	5.000	5.608	-12.2	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.971	2.9	100	0.00
13	TMP	Hexane	1.000	1.109	-10.9	100	0.00
14	TMP	Methylene chloride	1.000	1.421	-42.1#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	5.000	5.031	-0.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.028	-2.8	103	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	1.093	-9.3	109	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.978	2.2	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.979	2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	1.001	-0.1	100	0.00
21	TMP	2,2-Dichloropropane	1.000	0.892	10.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.996	0.4	100	0.00
23	TMP	Chloroform	1.000	0.983	1.7	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.678	6.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.014	-1.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.993	0.7	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.986	1.4	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.979	2.1	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.951	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.853	1.5	100	0.00
31	TMP	Benzene	1.000	0.959	4.1	100	0.00
32	TMP	Trichloroethene	1.000	1.004	-0.4	100	0.00
33	TMP	1,2-Dichloropropane	1.000	1.098	-9.8	100	0.00
34	TMP	Bromodichloromethane	1.000	1.014	-1.4	100	0.00
35	S	Toluene-d8	10.000	10.177	-1.8	100	0.01
36	TMP	Dibromomethane	1.000	1.022	-2.2	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	5.477	-9.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.986	1.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	0.918	8.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	1.011	-1.1	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	0.918	8.2	100	0.00
43	TMP	2-Hexanone	5.000	5.143	-2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	1.014	-1.4	100	0.00
45	TMP	Tetrachloroethene	1.000	0.920	8.0	100	0.00
46	TMP	Dibromochloromethane	1.000	1.024	-2.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.955	4.5	100	0.00
48	TMP	Chlorobenzene	1.000	0.979	2.1	100	0.00
49	TMP	Ethylbenzene	1.000	0.910	9.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.919	8.1	100	0.00
51	TMP	m,p-Xylene	2.000	1.925	3.7	100	0.00
52	TMP	o-Xylene	1.000	0.904	9.6	100	0.00
53	TMP	Styrene	1.000	0.932	6.8	100	0.00
54	TMP	Isopropylbenzene	1.000	0.963	3.7	100	0.00
55	TMP	Bromoform	1.000	1.014	-1.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.862	1.4	100	0.00
58	TMP	n-Propylbenzene	1.000	0.972	2.8	100	0.00
59	TMP	Bromobenzene	1.000	0.985	1.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	0.912	8.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.953	4.7	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.064	-6.4	100	0.00
63	TMP	2-Chlorotoluene	1.000	0.969	3.1	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.984	1.6	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.975	2.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.982	1.8	100	0.00
67	TMP	sec-Butylbenzene	1.000	0.975	2.5	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.955	4.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	0.961	3.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	0.983	1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	0.957	4.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.028	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.000	0.951	4.9	100	0.00
74	TMP	Hexachlorobutadiene	1.000	1.115	-11.5	100	0.00
75	TMP	Naphthalene	1.000	0.897	10.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.979	2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.284	-2.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.591	-7.7	100	0.00
5	TMP	Chloromethane	0.714	0.790	-10.6	100	0.00
6	TMP	Vinyl chloride	0.603	0.609	-1.0	104	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	0.02
8	TMP	Chloroethane	0.278	0.298	-7.2	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.807	-5.2	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.080	-11.1	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.288	3.0	100	0.00
13	TMP	Hexane	0.420	0.466	-11.0	100	0.00
14	TMP	Methylene chloride	0.279	0.396	-41.9#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.040	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.711	-2.7	103	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.285	0.7	109	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.958	2.1	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.513	2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.292	-0.3	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.308	6.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.291	7.0	100	0.00
23	TMP	Chloroform	0.473	0.465	1.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.230	6.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.658	-1.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.420	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.432	1.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.334	2.1	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.390	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31	TMP	Benzene	1.048	1.006	4.0	100	0.00
32	TMP	Trichloroethene	0.329	0.305	7.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.324	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.351	0.356	-1.4	100	0.00
35	S	Toluene-d8	0.941	0.958	-1.8	100	0.01
36	TMP	Dibromomethane	0.176	0.179	-1.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.054	-10.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.401	1.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.788	8.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.485	-1.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.241	8.0	100	0.00
43	TMP	2-Hexanone	0.381	0.392	-2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.439	-1.4	100	0.00
45	TMP	Tetrachloroethene	0.403	0.371	7.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.395	-2.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.324	4.7	100	0.00
48	TMP	Chlorobenzene	0.941	0.922	2.0	100	0.00
49	TMP	Ethylbenzene	1.632	1.486	8.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.356	6.3	100	0.00
51	TMP	m,p-Xylene	0.656	0.586	10.7	100	0.00
52	TMP	o-Xylene	0.643	0.581	9.6	100	0.00
53	TMP	Styrene	0.964	0.899	6.7	100	0.00
54	TMP	Isopropylbenzene	1.476	1.422	3.7	100	0.00
55	TMP	Bromoform	0.315	0.319	-1.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.714	1.4	100	0.00
58	TMP	n-Propylbenzene	2.900	2.820	2.8	100	0.00
59	TMP	Bromobenzene	0.834	0.822	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	1.949	8.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.653	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.541	-6.3	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.690	3.1	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.974	1.5	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.944	2.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.179	1.8	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.731	2.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.382	4.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.427	3.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.444	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.363	4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.101	4.8	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.617	-11.6	100	0.00
75	TMP	Naphthalene	2.586	2.320	10.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.035	2.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	309658	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234077	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	135821	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	83182	9.653	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.50%				
30) 1,2-Dichloroethane-d4	4.35	102	20481	10.697	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.00%				
35) Toluene-d8	5.97	98	284456	9.760	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.60%				
57) 4-Bromofluorobenzene	8.37	95	100024	10.165	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%				
Target Compounds							Qvalue
2) Ethanol	1.85	45	134	No Calib			
4) Dichlorodifluoromethane	1.08	85	35991	2.117	ppb		96
5) Chloromethane	1.22	50	45831	2.072	ppb		88
6] Vinyl chloride	1.29	62	35995	1.927	ppb		92
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	19042	2.210	ppb		98
9) Trichlorofluoromethane	1.78	101	45546	1.918	ppb		97
10) 2-Propanol	2.41	45	4417	No Calib			
11) Acetone	2.25	58	20762	9.345	ppb		87
12] 1,1-Dichloroethene	2.19	96	17844	1.942	ppb		98
13) Hexane	3.05	57	25077	1.927	ppb		95
14) Methylene chloride	2.60	84	20795	2.409	ppb		85
15) t-Butyl alcohol (TBA)	2.73	59	12156	9.811	ppb		94
16] Methyl t-butyl ether (...	2.83	73	44284	2.067	ppb		99
17] trans-1,2-Dichloroethene	2.82	96	17325	2.165	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	60102	1.983	ppb		97
19] 1,1-Dichloroethane	3.18	63	32396	1.995	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	19434	2.153	ppb	#	85
21) 2,2-Dichloropropane	3.66	77	21590	2.230	ppb		93
22] cis-1,2-Dichloroethene	3.66	96	18307	2.038	ppb		96
23) Chloroform	3.94	83	27767	1.896	ppb		75
24) 2-Butanone (MEK)	3.70	43	81973	10.759	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	41505	2.064	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	26006	2.012	ppb		100
27] 1,1,1-Trichloroethane	4.07	97	27057	1.996	ppb		98
28) 1,1-Dichloropropene	4.21	75	22517	2.129	ppb		84
29) Carbon tetrachloride	4.21	117	25772	2.030	ppb		85
31] Benzene	4.39	78	62726	1.932	ppb		99
32] Trichloroethene	4.93	95	19209	2.054	ppb		94
33) 1,2-Dichloropropane	5.13	63	17149	1.877	ppb		96
34) Bromodichloromethane	5.37	83	23224	2.138	ppb		98
36) Dibromomethane	5.22	93	12532	2.306	ppb		89

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

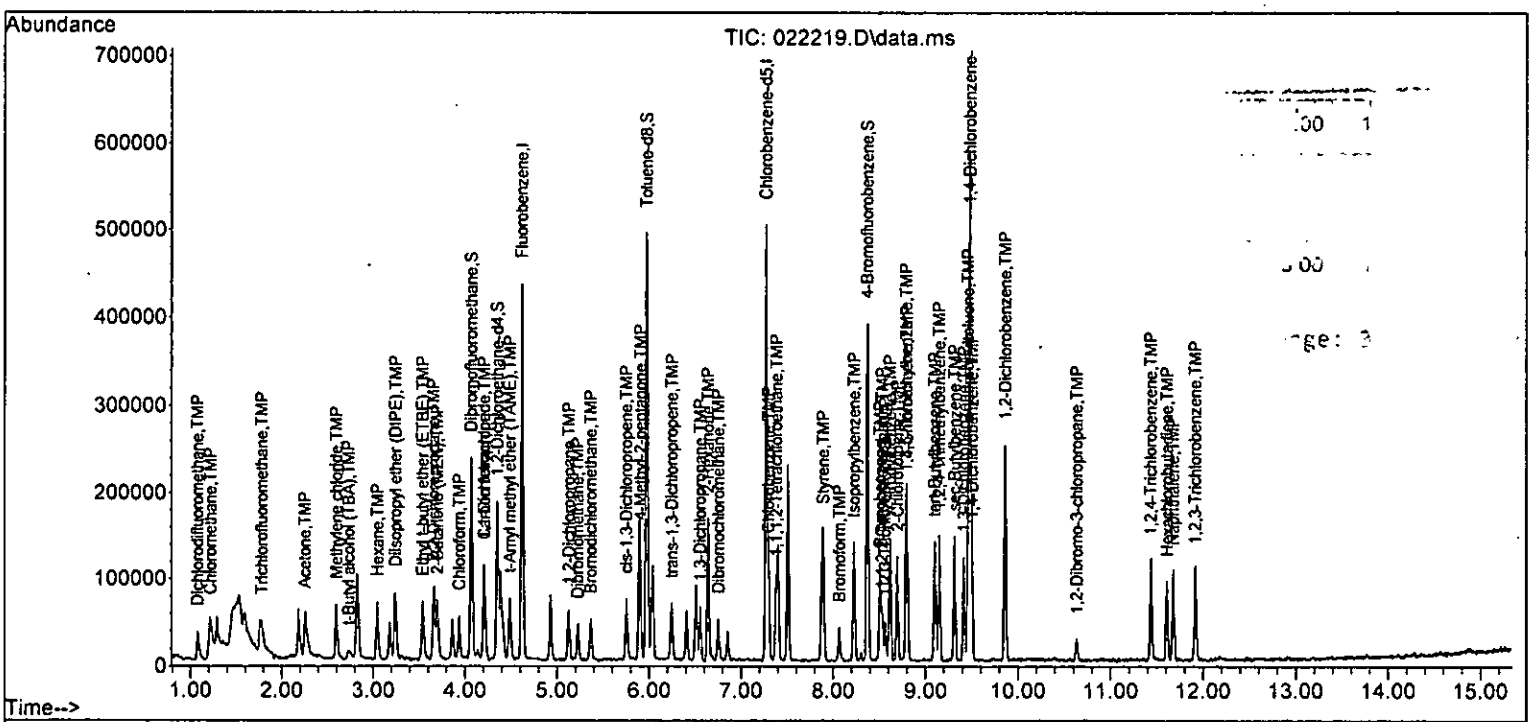
Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

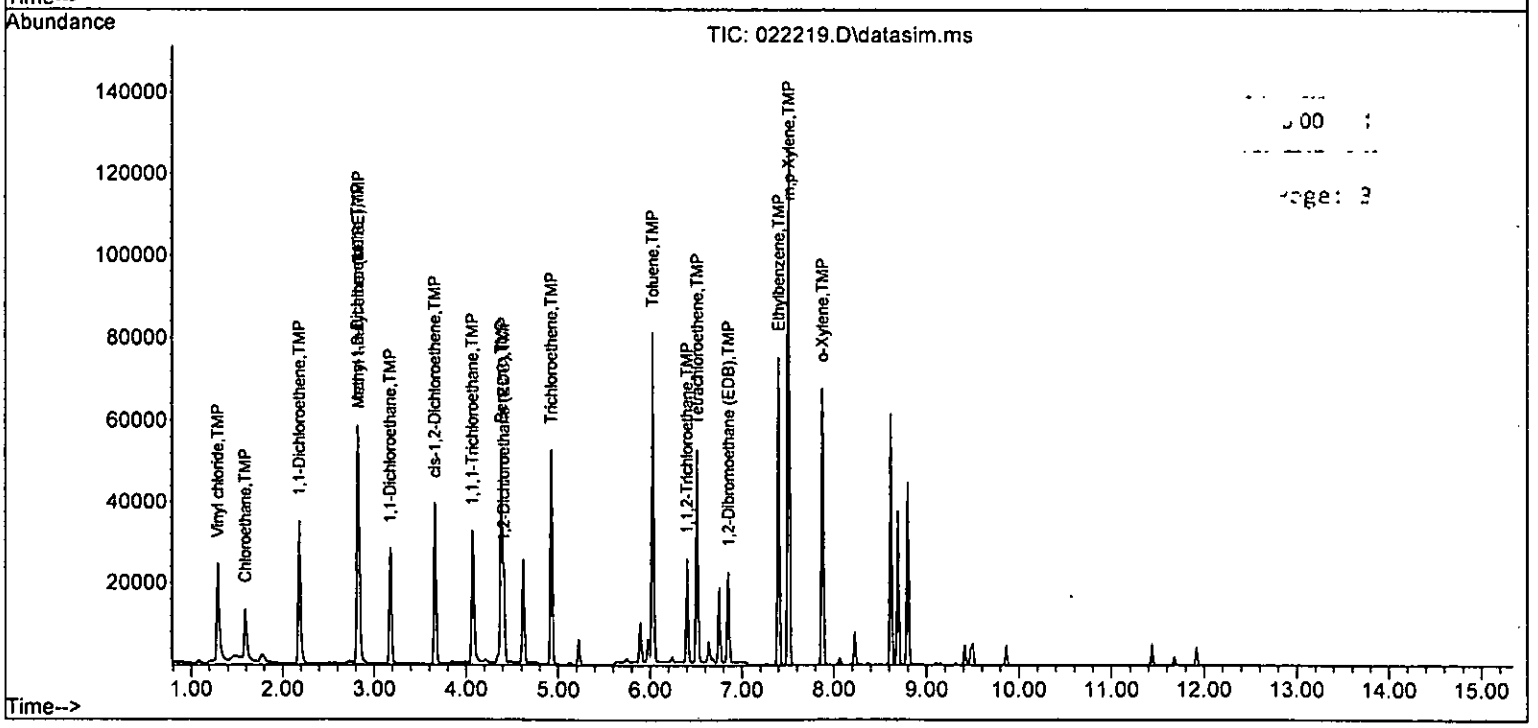
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14551	9.585	ppb	#	70
38) cis-1,3-Dichloropropene	5.75	75	22644	1.798	ppb		90
40] Toluene	6.03	92	39995	1.990	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	21388	1.905	ppb		98
42] 1,1,2-Trichloroethane	6.40	83	12121	1.975	ppb		96
43) 2-Hexanone	6.64	43	96137	10.779	ppb		98
44) 1,3-Dichloropropane	6.55	76	22153	2.187	ppb		87
45] Tetrachloroethene	6.51	164	18905	2.006	ppb		96
46) Dibromochloromethane	6.75	129	19410	2.148	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	16511	2.076	ppb		100
48) Chlorobenzene	7.30	112	45987	2.087	ppb		99
49] Ethylbenzene	7.40	91	75796	1.984	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	18394	2.116	ppb		87
51] m,p-Xylene	7.51	106	59716	4.221	ppb		95
52] o-Xylene	7.88	106	30165	2.004	ppb		93
53) Styrene	7.89	104	46130	2.044	ppb		97
54) Isopropylbenzene	8.23	105	74892	2.168	ppb		99
55) Bromoform	8.07	173	15676	2.128	ppb		67
58) n-Propylbenzene	8.62	91	83459	2.119	ppb		98
59) Bromobenzene	8.51	156	22535	1.988	ppb		98
60) 1,3,5-Trimethylbenzene	8.79	105	61771	2.128	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18063	2.030	ppb		94
62) 1,2,3-Trichloropropane	8.56	75	14043	2.033	ppb		87
63) 2-Chlorotoluene	8.70	91	52268	2.206	ppb		95
64) 4-Chlorotoluene	8.80	91	58539	2.149	ppb		94
65) tert-Butylbenzene	9.10	119	56318	2.081	ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	64034	2.124	ppb		95
67) sec-Butylbenzene	9.31	105	75846	1.993	ppb		90
68) p-Isopropyltoluene	9.46	119	71875	2.121	ppb		96
69) 1,3-Dichlorobenzene	9.41	146	42558	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.50	146	41585	2.086	ppb		91
71) 1,2-Dichlorobenzene	9.86	146	43847	2.265	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	4342	2.207	ppb		77
73) 1,2,4-Trichlorobenzene	11.44	180	33606	2.138	ppb		96
74) Hexachlorobutadiene	11.61	225	16928	2.252	ppb		97
75) Naphthalene	11.68	128	73060	2.080	ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	29692	2.068	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

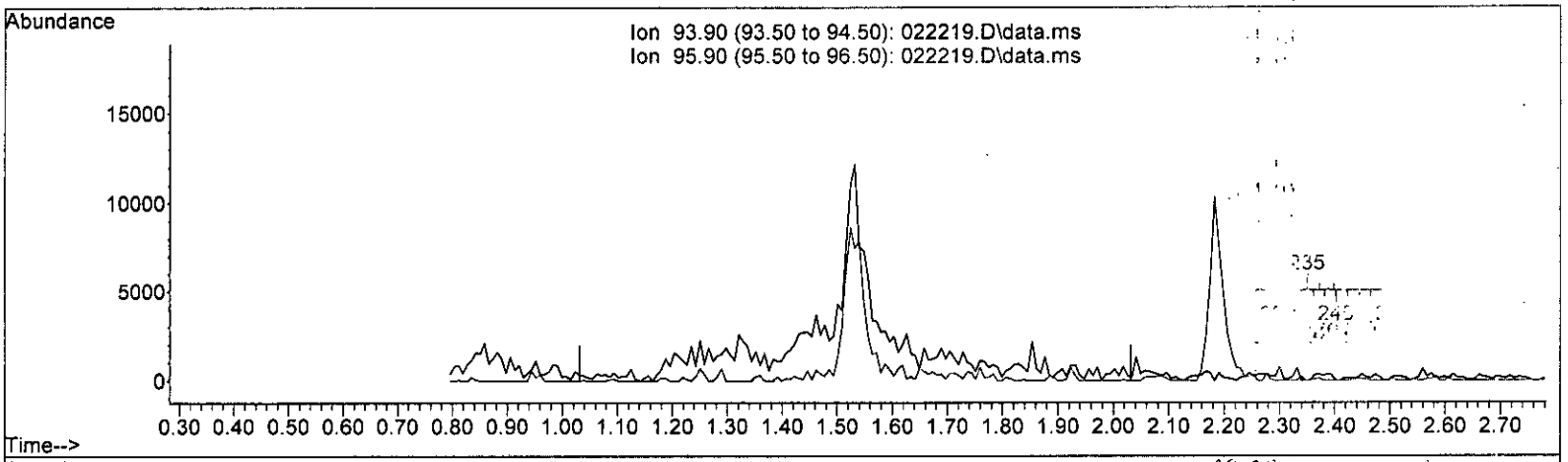


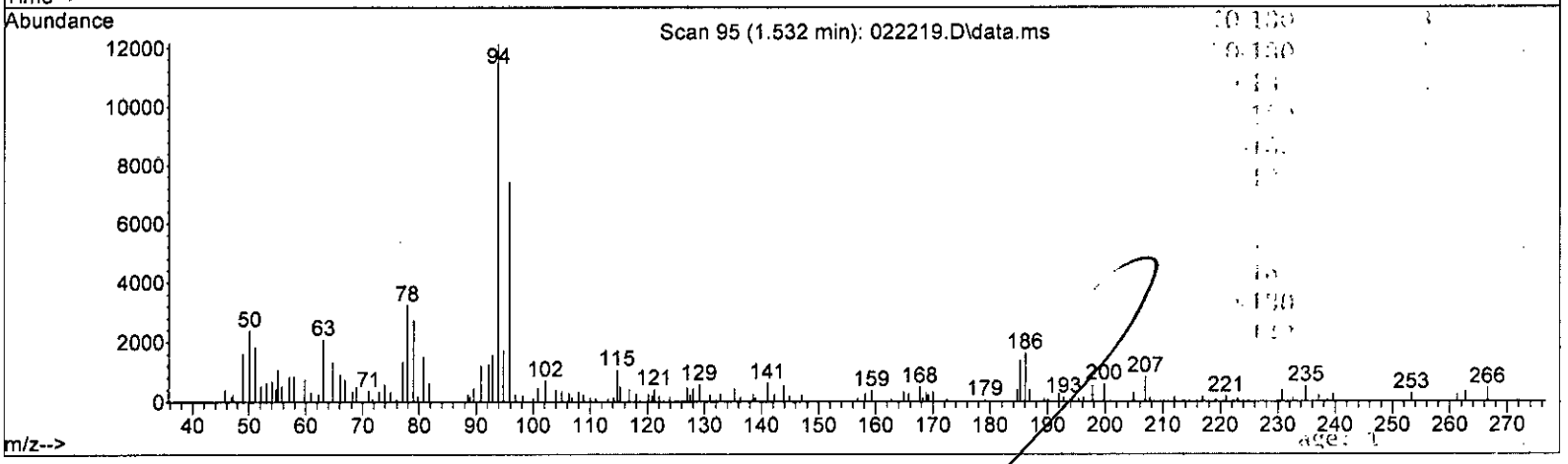


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022219.D\data.ms

(7) Bromomethane (TMP)

1.532min 0.000 ppb d

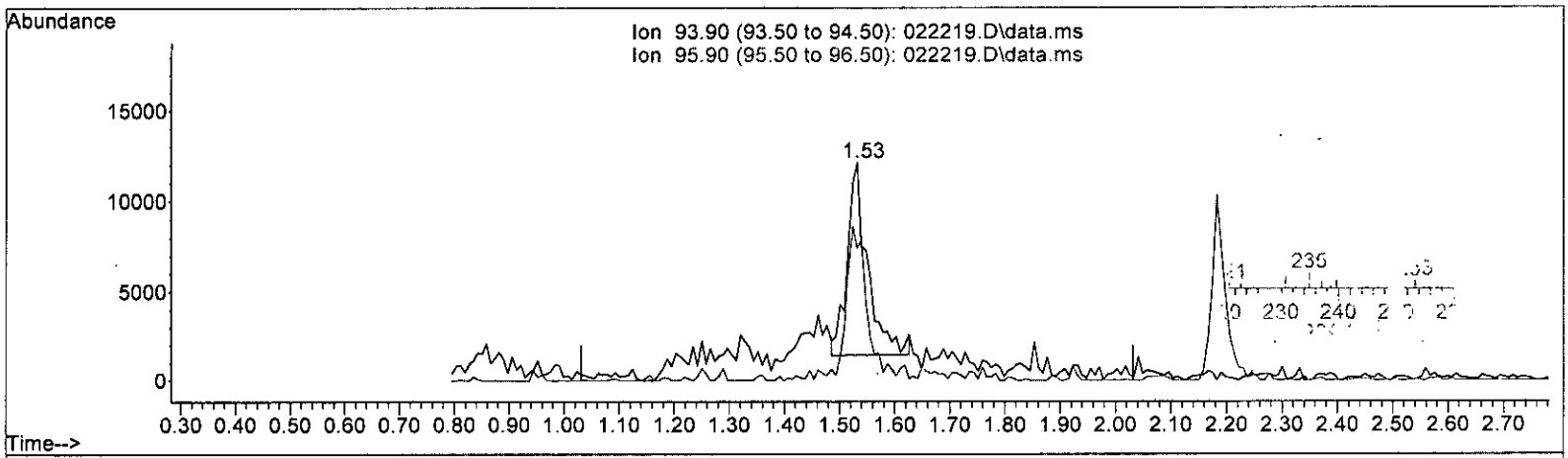
response 0

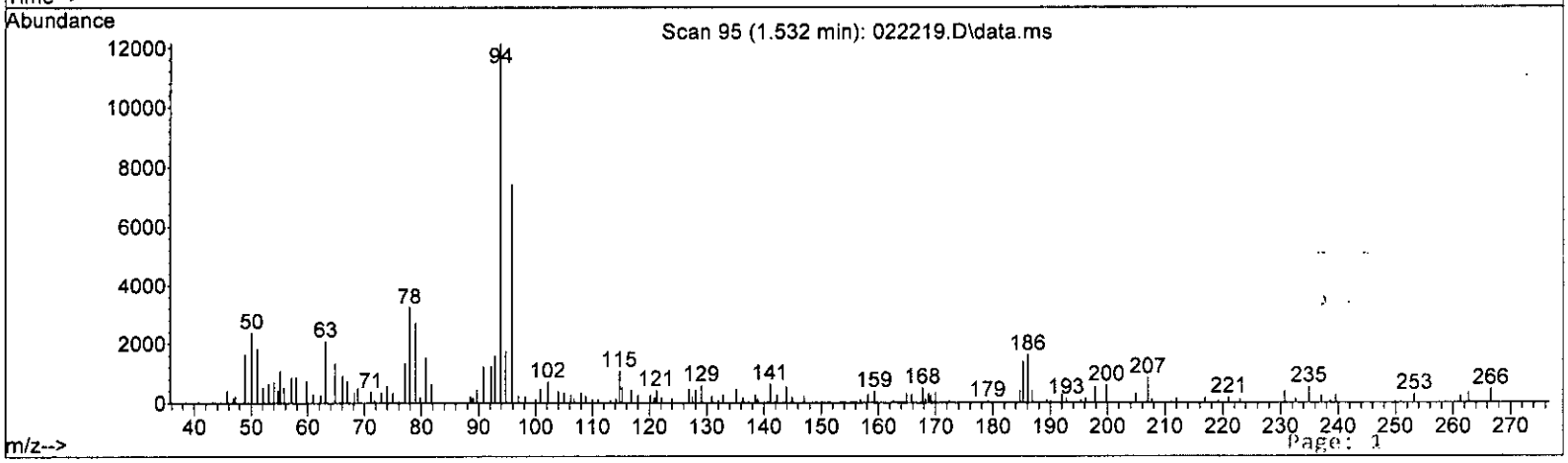
Ion	Exp%	Act%
93.90	100.00	0.00
95.90	102.10	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022219.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.000) 2.508 ppb m

response 27817

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	61.15#
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	309658	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234077	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	135821	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	83182	9.653	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.50%				
30) 1,2-Dichloroethane-d4	4.35	102	20481	10.697	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.00%				
35) Toluene-d8	5.97	98	284456	9.760	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.60%				
57) 4-Bromofluorobenzene	8.37	95	100024	10.165	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%				
Target Compounds							Qvalue
2) Ethanol	1.85	45	134	No Calib			
4) Dichlorodifluoromethane	1.08	85	35991	2.117	ppb		96
5) Chloromethane	1.22	50	45831	2.072	ppb		88
6] Vinyl chloride	1.29	62	35995	1.927	ppb		92
7) Bromomethane	1.53	94	27817m	2.508	ppb		
8] Chloroethane	1.59	64	19042	2.210	ppb		98
9) Trichlorofluoromethane	1.78	101	45546	1.918	ppb		97
10) 2-Propanol	2.41	45	4417	No Calib			
11) Acetone	2.25	58	20762	9.345	ppb		87
12] 1,1-Dichloroethene	2.19	96	17844	1.942	ppb		98
13) Hexane	3.05	57	25077	1.927	ppb		95
14) Methylene chloride	2.60	84	20795	2.409	ppb		85
15) t-Butyl alcohol (TBA)	2.73	59	12156	9.811	ppb		94
16] Methyl t-butyl ether (...	2.83	73	44284	2.067	ppb		99
17] trans-1,2-Dichloroethene	2.82	96	17325	2.165	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	60102	1.983	ppb		97
19] 1,1-Dichloroethane	3.18	63	32396	1.995	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	19434	2.153	ppb	#	85
21) 2,2-Dichloropropane	3.66	77	21590	2.230	ppb		93
22] cis-1,2-Dichloroethene	3.66	96	18307	2.038	ppb		96
23) Chloroform	3.94	83	27767	1.896	ppb		75
24) 2-Butanone (MEK)	3.70	43	81973	10.759	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	41505	2.064	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	26006	2.012	ppb		100
27] 1,1,1-Trichloroethane	4.07	97	27057	1.996	ppb		98
28) 1,1-Dichloropropene	4.21	75	22517	2.129	ppb		84
29) Carbon tetrachloride	4.21	117	25772	2.030	ppb		85
31] Benzene	4.39	78	62726	1.932	ppb		99
32] Trichloroethene	4.93	95	19209	2.054	ppb		94
33) 1,2-Dichloropropane	5.13	63	17149	1.877	ppb		96
34) Bromodichloromethane	5.37	83	23224	2.138	ppb		98
36) Dibromomethane	5.22	93	12532	2.306	ppb		89

Page: 1

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

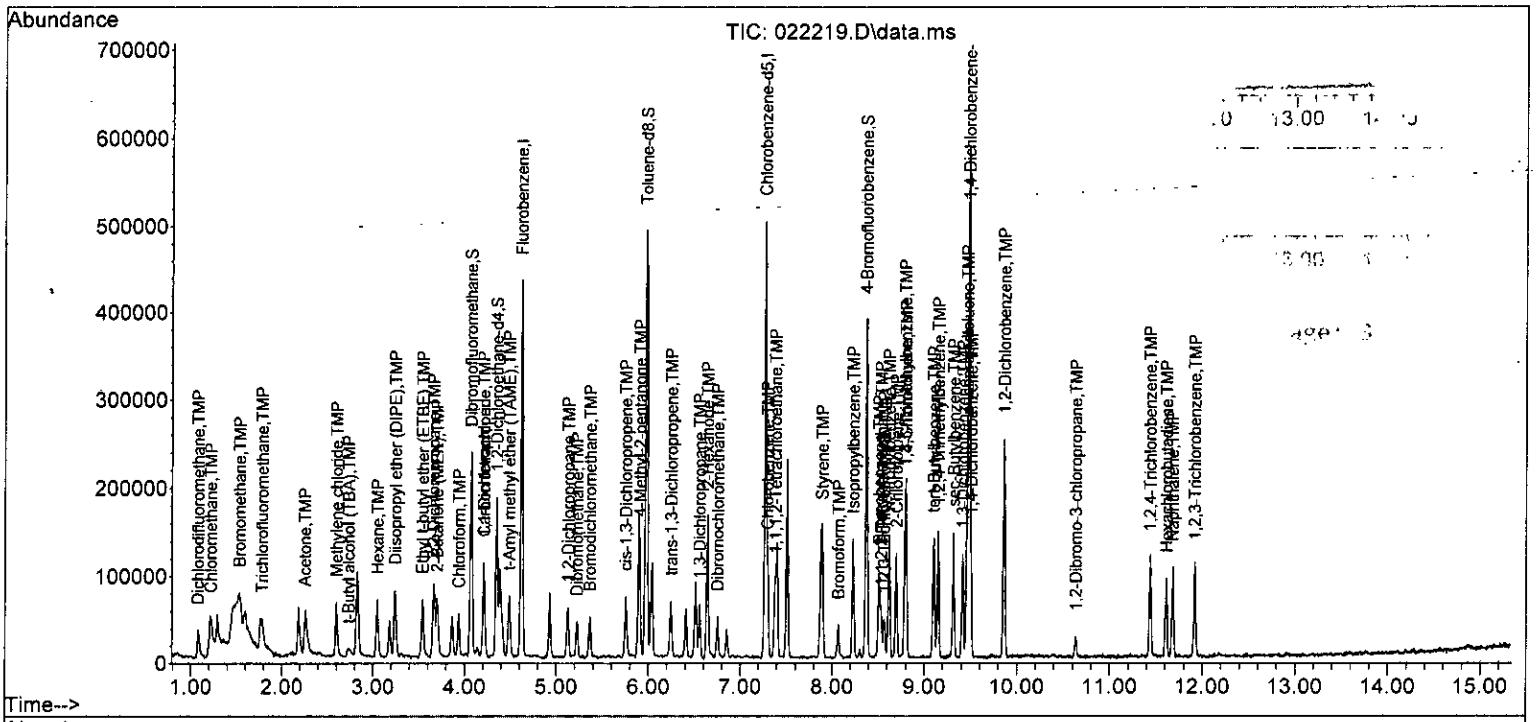
Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

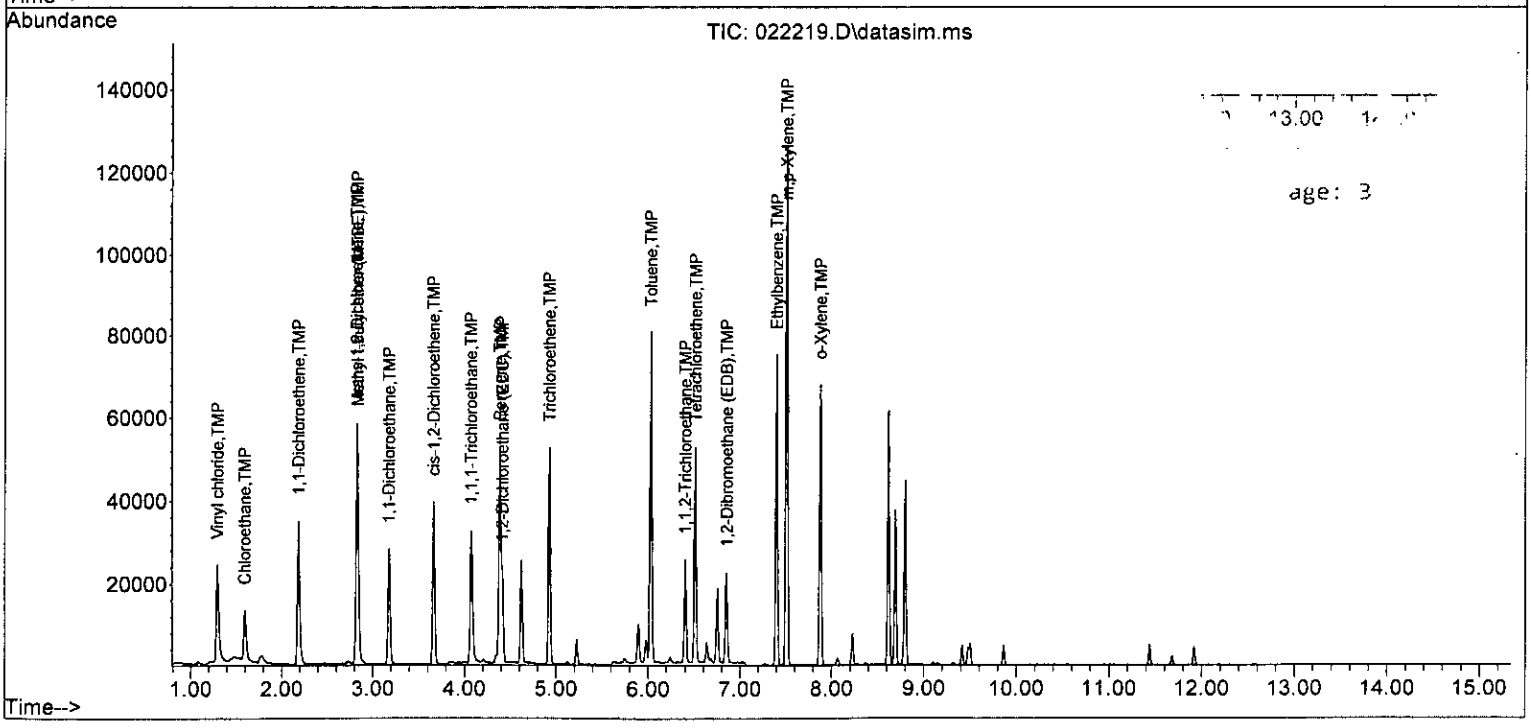
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14551	9.585 ppb	#	70
38) cis-1,3-Dichloropropene	5.75	75	22644	1.798 ppb		90
40] Toluene	6.03	92	39995	1.990 ppb		99
41) trans-1,3-Dichloropropene	6.25	75	21388	1.905 ppb		98
42] 1,1,2-Trichloroethane	6.40	83	12121	1.975 ppb		96
43) 2-Hexanone	6.64	43	96137	10.779 ppb		98
44) 1,3-Dichloropropane	6.55	76	22153	2.187 ppb		87
45] Tetrachloroethene	6.51	164	18905	2.006 ppb		96
46) Dibromochloromethane	6.75	129	19410	2.148 ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	16511	2.076 ppb		100
48) Chlorobenzene	7.30	112	45987	2.087 ppb		99
49] Ethylbenzene	7.40	91	75796	1.984 ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	18394	2.116 ppb		87
51] m,p-Xylene	7.51	106	59716	4.221 ppb		95
52] o-Xylene	7.88	106	30165	2.004 ppb		93
53) Styrene	7.89	104	46130	2.044 ppb		97
54) Isopropylbenzene	8.23	105	74892	2.168 ppb		99
55) Bromoform	8.07	173	15676	2.128 ppb		67
58) n-Propylbenzene	8.62	91	83459	2.119 ppb		98
59) Bromobenzene	8.51	156	22535	1.988 ppb		98
60) 1,3,5-Trimethylbenzene	8.79	105	61771	2.128 ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18063	2.030 ppb		94
62) 1,2,3-Trichloropropane	8.56	75	14043	2.033 ppb		87
63) 2-Chlorotoluene	8.70	91	52268	2.206 ppb		95
64) 4-Chlorotoluene	8.80	91	58539	2.149 ppb		94
65) tert-Butylbenzene	9.10	119	56318	2.081 ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	64034	2.124 ppb		95
67) sec-Butylbenzene	9.31	105	75846	1.993 ppb		90
68) p-Isopropyltoluene	9.46	119	71875	2.121 ppb		96
69) 1,3-Dichlorobenzene	9.41	146	42558	2.111 ppb		95
70) 1,4-Dichlorobenzene	9.50	146	41585	2.086 ppb		91
71) 1,2-Dichlorobenzene	9.86	146	43847	2.265 ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	4342	2.207 ppb		77
73) 1,2,4-Trichlorobenzene	11.44	180	33606	2.138 ppb		96
74) Hexachlorobutadiene	11.61	225	16928	2.252 ppb		97
75) Naphthalene	11.68	128	73060	2.080 ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	29692	2.068 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
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InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.653	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	2.117	-5.8	100	0.00
5	TMP	Chloromethane	2.000	2.072	-3.6	100	0.00
6	TMP	Vinyl chloride	2.000	1.927	3.6	100	0.00
7	TMP	Bromomethane	2.000	2.508	-25.4#	95	0.00
8	TMP	Chloroethane	2.000	2.210	-10.5	113	0.00
9	TMP	Trichlorofluoromethane	2.000	1.918	4.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	10.000	9.345	6.5	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.942	2.9	100	0.00
13	TMP	Hexane	2.000	1.927	3.6	100	0.00
14	TMP	Methylene chloride	2.000	2.409	-20.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	9.811	1.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.067	-3.4	102	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.165	-8.3	105	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.995	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.153	-7.7	100	0.00
21	TMP	2,2-Dichloropropane	2.000	2.230	-11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.038	-1.9	100	0.00
23	TMP	Chloroform	2.000	1.896	5.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	10.759	-7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.064	-3.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.012	-0.6	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.996	0.2	100	0.00
28	TMP	1,1-Dichloropropene	2.000	2.129	-6.5	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.030	-1.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.697	-7.0	100	0.00
31	TMP	Benzene	2.000	1.932	3.4	100	0.00
32	TMP	Trichloroethene	2.000	2.054	-2.7	100	0.00
33	TMP	1,2-Dichloropropane	2.000	1.877	6.2	100	0.00
34	TMP	Bromodichloromethane	2.000	2.138	-6.9	100	0.00
35	S	Toluene-d8	10.000	9.760	2.4	100	0.00
36	TMP	Dibromomethane	2.000	2.306	-15.3	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.585	4.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	2.000	1.798	10.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.990	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.905	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.975	1.2	100	0.00
43	TMP	2-Hexanone	10.000	10.779	-7.8	99	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.653	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	2.117	-5.8	100	0.00
5	TMP	Chloromethane	2.000	2.072	-3.6	100	0.00
6	TMP	Vinyl chloride	2.000	1.927	3.6	100	0.00
7	TMP	Bromomethane	2.000	2.508	-25.4#	95	0.00
8	TMP	Chloroethane	2.000	2.210	-10.5	113	0.00
9	TMP	Trichlorofluoromethane	2.000	1.918	4.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	10.000	9.345	6.5	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.942	2.9	100	0.00
13	TMP	Hexane	2.000	1.927	3.6	100	0.00
14	TMP	Methylene chloride	2.000	2.409	-20.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	9.811	1.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.067	-3.4	102	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.165	-8.3	105	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.995	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.153	-7.7	100	0.00
21	TMP	2,2-Dichloropropane	2.000	2.230	-11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.038	-1.9	100	0.00
23	TMP	Chloroform	2.000	1.896	5.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	10.759	-7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.064	-3.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.012	-0.6	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.996	0.2	100	0.00
28	TMP	1,1-Dichloropropene	2.000	2.129	-6.5	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.030	-1.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.697	-7.0	100	0.00
31	TMP	Benzene	2.000	1.932	3.4	100	0.00
32	TMP	Trichloroethene	2.000	2.054	-2.7	100	0.00
33	TMP	1,2-Dichloropropane	2.000	1.877	6.2	100	0.00
34	TMP	Bromodichloromethane	2.000	2.138	-6.9	100	0.00
35	S	Toluene-d8	10.000	9.760	2.4	100	0.00
36	TMP	Dibromomethane	2.000	2.306	-15.3	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.585	4.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	2.000	1.798	10.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.990	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.905	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.975	1.2	100	0.00
43	TMP	2-Hexanone	10.000	10.779	-7.8	99	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	2.187	-9.3	100	0.00
45	TMP	Tetrachloroethene	2.000	2.006	-0.3	100	0.00
46	TMP	Dibromochloromethane	2.000	2.148	-7.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	2.076	-3.8	100	0.00
48	TMP	Chlorobenzene	2.000	2.087	-4.4	100	0.00
49	TMP	Ethylbenzene	2.000	1.984	0.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	2.116	-5.8	100	0.00
51	TMP	m,p-Xylene	4.000	4.221	-5.5	100	0.00
52	TMP	o-Xylene	2.000	2.004	-0.2	100	0.00
53	TMP	Styrene	2.000	2.044	-2.2	100	0.00
54	TMP	Isopropylbenzene	2.000	2.168	-8.4	100	0.00
55	TMP	Bromoform	2.000	2.128	-6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.165	-1.6	100	0.00
58	TMP	n-Propylbenzene	2.000	2.119	-6.0	100	0.00
59	TMP	Bromobenzene	2.000	1.988	0.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.128	-6.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.030	-1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.033	-1.6	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.206	-10.3	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.149	-7.5	100	0.00
65	TMP	tert-Butylbenzene	2.000	2.081	-4.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	2.124	-6.2	100	0.00
67	TMP	sec-Butylbenzene	2.000	1.993	0.3	100	0.00
68	TMP	p-Isopropyltoluene	2.000	2.121	-6.0	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.086	-4.3	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	2.265	-13.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	2.207	-10.3	100	0.09
73	TMP	1,2,4-Trichlorobenzene	2.000	2.138	-6.9	100	0.00
74	TMP	Hexachlorobutadiene	2.000	2.252	-12.6	100	0.00
75	TMP	Naphthalene	2.000	2.080	-4.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.068	-3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	304030	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	234735	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	143007	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	84124	9.944	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.40%			
30) 1,2-Dichloroethane-d4	4.35	102	17610	9.367	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.70%			
35) Toluene-d8	5.97	98	289488	10.116	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.38	95	98658	9.523	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 95.20%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	572	No Calib		
4) Dichlorodifluoromethane	1.08	85	78150	4.681	ppb	92
5) Chloromethane	1.22	50	102187	4.705	ppb	96
6] Vinyl chloride	1.29	62	85194	4.646	ppb	92
7) Bromomethane	1.53	94	51871	4.764	ppb	97
8] Chloroethane	1.60	64	41143	4.864	ppb	98
9) Trichlorofluoromethane	1.78	101	102432	4.394	ppb	97
10) 2-Propanol	2.39	45	1338	No Calib		
11) Acetone	2.26	58	46716	21.416	ppb	97
12] 1,1-Dichloroethene	2.19	96	40663	4.508	ppb	97
13) Hexane	3.05	57	56732	4.440	ppb	90
14) Methylene chloride	2.60	84	41005	4.839	ppb	92
15) t-Butyl alcohol (TBA)	2.73	59	27054	22.239	ppb	96
16] Methyl t-butyl ether (...	2.83	73	99701	4.740	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	37897	4.846	ppb	100
18) Diisopropyl ether (DIPE)	3.24	45	138670	4.660	ppb	97
19] 1,1-Dichloroethane	3.18	63	73236	4.595	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	37442	4.226	ppb	95
21) 2,2-Dichloropropane	3.66	77	43970	4.803	ppb	90
22] cis-1,2-Dichloroethene	3.66	96	41680	4.743	ppb	97
23) Chloroform	3.94	83	65784	4.575	ppb	95
24) 2-Butanone (MEK)	3.70	43	162333	21.700	ppb	97
25) t-Amyl methyl ether (T...	4.49	73	89405	4.529	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	58196	4.622	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	61934	4.654	ppb	97
28) 1,1-Dichloropropene	4.21	75	49466	4.765	ppb	88
29) Carbon tetrachloride	4.21	117	54737	4.391	ppb	100
31] Benzene	4.39	78	142644	4.475	ppb	99
32] Trichloroethene	4.93	95	43510	4.757	ppb	94
33) 1,2-Dichloropropane	5.13	63	39330	4.384	ppb	93
34) Bromodichloromethane	5.37	83	48782	4.574	ppb	88
36) Dibromomethane	5.22	93	22521	4.220	ppb	79

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

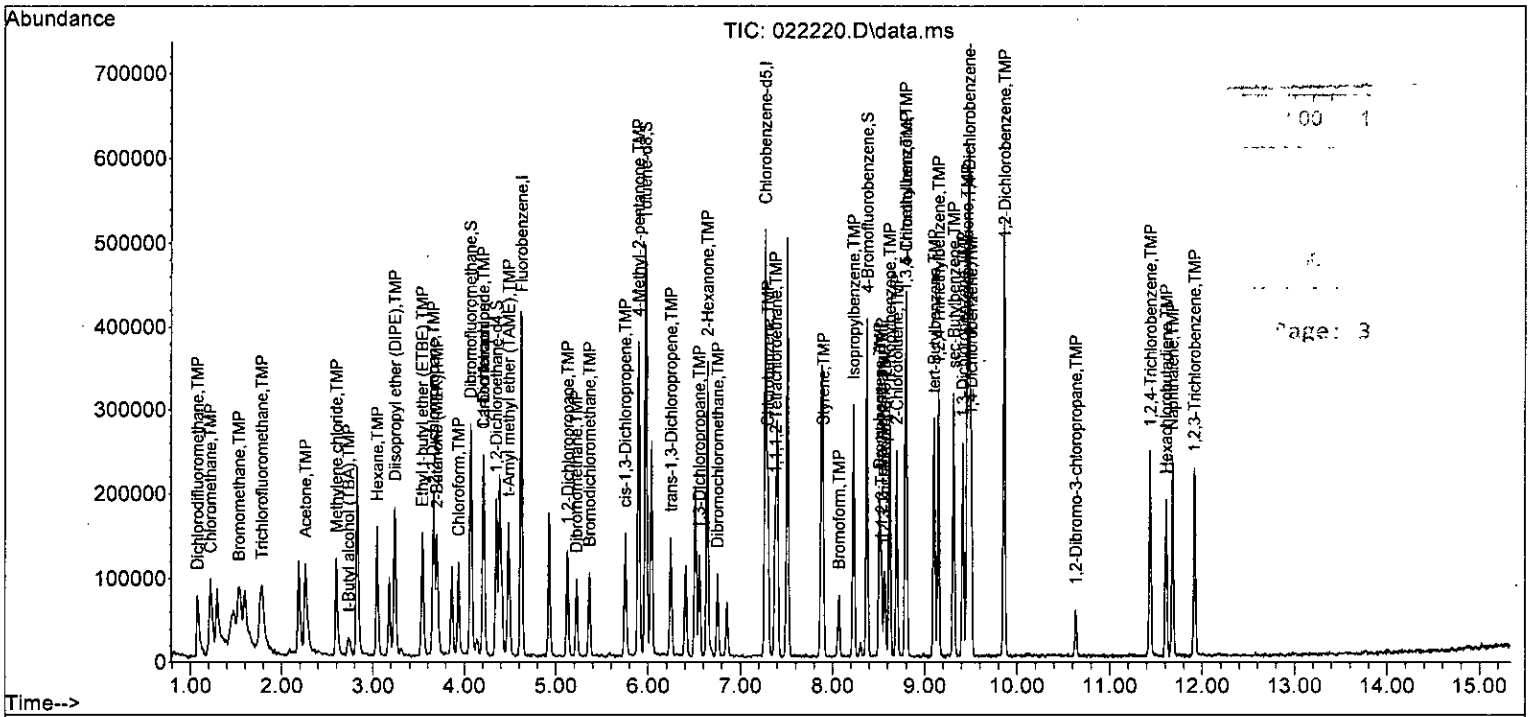
Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

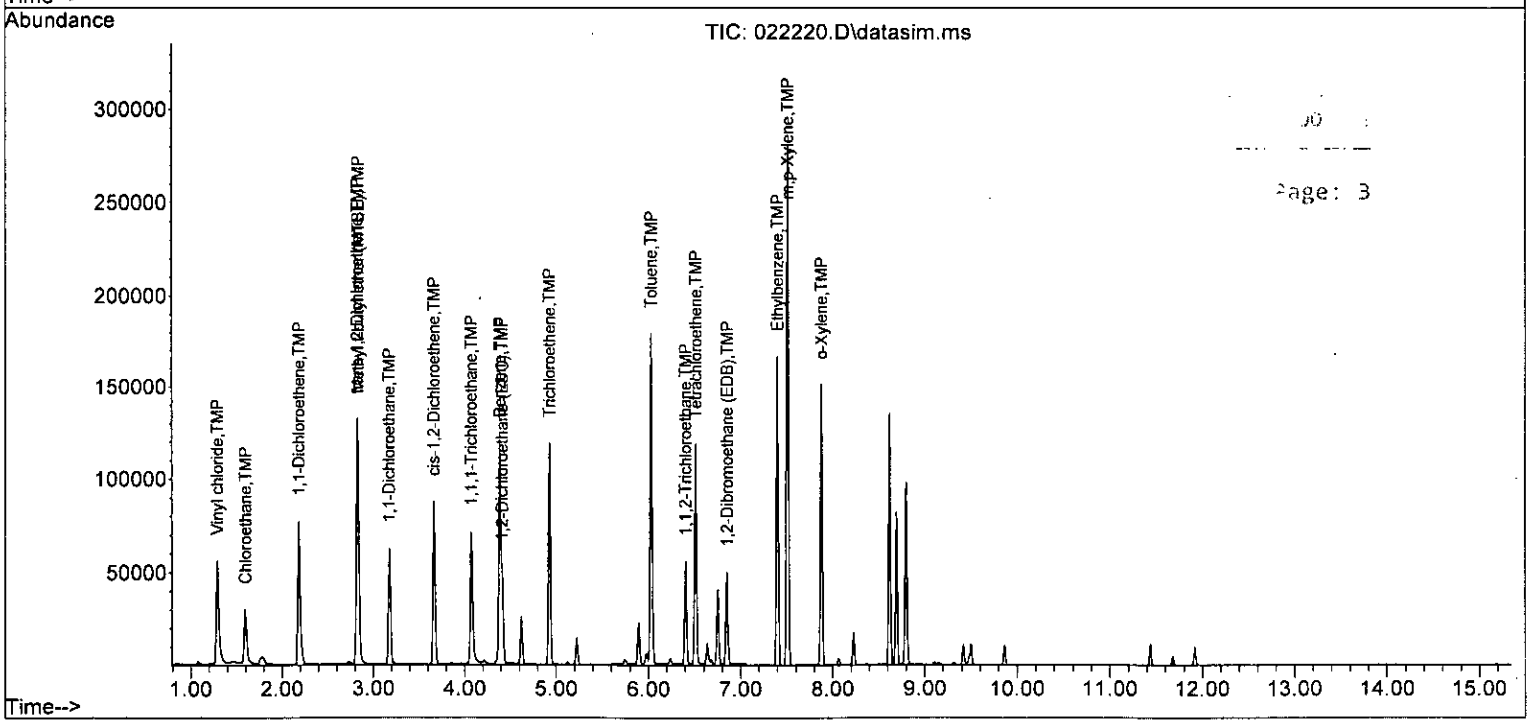
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	34132	22.901 ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	54281	4.389 ppb		97
40] Toluene	6.03	92	89264	4.428 ppb		100
41) trans-1,3-Dichloropropene	6.25	75	48498	4.307 ppb		94
42] 1,1,2-Trichloroethane	6.40	83	26752	4.347 ppb		95
43) 2-Hexanone	6.64	43	216051	24.155 ppb		96
44) 1,3-Dichloropropane	6.55	76	47369	4.663 ppb		95
45] Tetrachloroethene	6.51	164	42320	4.477 ppb		98
46) Dibromochloromethane	6.75	129	40767	4.500 ppb		97
47] 1,2-Dibromoethane (EDB)	6.85	107	36342	4.556 ppb		98
48) Chlorobenzene	7.30	112	103361	4.677 ppb		93
49] Ethylbenzene	7.40	91	167560	4.373 ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	36267	4.230 ppb		90
51] m,p-Xylene	7.51	106	131064	9.272 ppb		95
52] o-Xylene	7.88	106	66586	4.411 ppb		93
53) Styrene	7.90	104	102428	4.525 ppb		92
54) Isopropylbenzene	8.23	105	161294	4.656 ppb		98
55) Bromoform	8.07	173	31443	4.256 ppb		87
58) n-Propylbenzene	8.62	91	185848	4.482 ppb		93
59) Bromobenzene	8.51	156	47587	3.988 ppb		87
60) 1,3,5-Trimethylbenzene	8.79	105	131552	4.305 ppb		86
61) 1,1,2,2-Tetrachloroethane	8.53	83	40391	4.408 ppb		99
62) 1,2,3-Trichloropropane	8.56	75	32199	4.427 ppb		91
63) 2-Chlorotoluene	8.70	91	106831	4.283 ppb		90
64) 4-Chlorotoluene	8.80	91	122802	4.282 ppb		93
65) tert-Butylbenzene	9.10	119	121403	4.261 ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	140427	4.424 ppb		98
67) sec-Butylbenzene	9.31	105	175018	4.367 ppb		95
68) p-Isopropyltoluene	9.46	119	155357	4.354 ppb		98
69) 1,3-Dichlorobenzene	9.41	146	93264	4.393 ppb		97
70) 1,4-Dichlorobenzene	9.50	146	94089	4.482 ppb		92
71) 1,2-Dichlorobenzene	9.86	146	94183	4.621 ppb		97
72) 1,2-Dibromo-3-chloropr...	10.63	75	9972	4.814 ppb	#	62
73) 1,2,4-Trichlorobenzene	11.44	180	74357	4.494 ppb		95
74) Hexachlorobutadiene	11.61	225	36867	4.659 ppb		89
75) Naphthalene	11.68	128	157048	4.247 ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	66750	4.415 ppb		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.944	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	4.681	6.4	100	0.00
5	TMP	Chloromethane	5.000	4.705	5.9	100	0.00
6	TMP	Vinyl chloride	5.000	4.646	7.1	100	0.00
7	TMP	Bromomethane	5.000	4.764	4.7	100	0.00
8	TMP	Chloroethane	5.000	4.864	2.7	100	0.00
9	TMP	Trichlorofluoromethane	5.000	4.394	12.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	25.000	21.416	14.3	100	0.00
12	TMP	1,1-Dichloroethene	5.000	4.508	9.8	100	0.00
13	TMP	Hexane	5.000	4.440	11.2	100	0.00
14	TMP	Methylene chloride	5.000	4.839	3.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	25.000	22.239	11.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	5.000	4.740	5.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	4.846	3.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	4.660	6.8	100	0.00
19	TMP	1,1-Dichloroethane	5.000	4.595	8.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.226	15.5	100	0.00
21	TMP	2,2-Dichloropropane	5.000	4.803	3.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	4.743	5.1	100	0.00
23	TMP	Chloroform	5.000	4.575	8.5	100	0.00
24	TMP	2-Butanone (MEK)	25.000	21.700	13.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.529	9.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	4.622	7.6	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.654	6.9	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.765	4.7	100	0.00
29	TMP	Carbon tetrachloride	5.000	4.391	12.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.367	6.3	100	0.00
31	TMP	Benzene	5.000	4.475	10.5	100	0.00
32	TMP	Trichloroethene	5.000	4.757	4.9	100	0.00
33	TMP	1,2-Dichloropropane	5.000	4.384	12.3	100	0.00
34	TMP	Bromodichloromethane	5.000	4.574	8.5	100	0.00
35	S	Toluene-d8	10.000	10.116	-1.2	100	0.00
36	TMP	Dibromomethane	5.000	4.220	15.6	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	22.901	8.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.389	12.2	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	4.428	11.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.307	13.9	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	4.347	13.1	100	0.00
43	TMP	2-Hexanone	25.000	24.155	3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	4.663	6.7	100	0.00
45	TMP	Tetrachloroethene	5.000	4.477	10.5	100	0.00
46	TMP	Dibromochloromethane	5.000	4.500	10.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.556	8.9	100	0.00
48	TMP	Chlorobenzene	5.000	4.677	6.5	100	0.00
49	TMP	Ethylbenzene	5.000	4.373	12.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.230	15.4	100	0.00
51	TMP	m,p-Xylene	10.000	9.272	7.3	100	0.00
52	TMP	o-Xylene	5.000	4.411	11.8	100	0.00
53	TMP	Styrene	5.000	4.525	9.5	100	0.00
54	TMP	Isopropylbenzene	5.000	4.656	6.9	100	0.00
55	TMP	Bromoform	5.000	4.256	14.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.523	4.8	100	0.00
58	TMP	n-Propylbenzene	5.000	4.482	10.4	100	0.00
59	TMP	Bromobenzene	5.000	3.988	20.2#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.305	13.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	4.408	11.8	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.427	11.5	100	0.00
63	TMP	2-Chlorotoluene	5.000	4.283	14.3	100	0.00
64	TMP	4-Chlorotoluene	5.000	4.282	14.4	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.261	14.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.424	11.5	100	0.00
67	TMP	sec-Butylbenzene	5.000	4.367	12.7	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.354	12.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.393	12.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.482	10.4	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.621	7.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.814	3.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	5.000	4.494	10.1	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.659	6.8	100	0.00
75	TMP	Naphthalene	5.000	4.247	15.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.415	11.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.277	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.514	6.4	100	0.00
5	TMP	Chloromethane	0.714	0.672	5.9	100	0.00
6	TMP	Vinyl chloride	0.603	0.560	7.1	100	0.00
7	TMP	Bromomethane	0.358	0.341	4.7	100	0.00
8	TMP	Chloroethane	0.278	0.271	2.5	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.674	12.1	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.061	15.3	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.267	10.1	100	0.00
13	TMP	Hexane	0.420	0.373	11.2	100	0.00
14	TMP	Methylene chloride	0.279	0.270	3.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.036	10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.656	5.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.249	13.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.912	6.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.482	8.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.246	15.5	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.289	12.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.274	12.5	100	0.00
23	TMP	Chloroform	0.473	0.433	8.5	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.214	13.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.588	9.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.383	13.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.407	7.1	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.325	4.7	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.360	12.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	1.048	0.938	10.5	100	0.00
32	TMP	Trichloroethene	0.329	0.286	13.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.259	12.2	100	0.00
34	TMP	Bromodichloromethane	0.351	0.321	8.5	100	0.00
35	S	Toluene-d8	0.941	0.952	-1.2	100	0.00
36	TMP	Dibromomethane	0.176	0.148	15.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.045	8.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.357	12.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.761	11.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.413	14.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.228	13.0	100	0.00
43	TMP	2-Hexanone	0.381	0.368	3.4	100	0.00

Page: 1

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

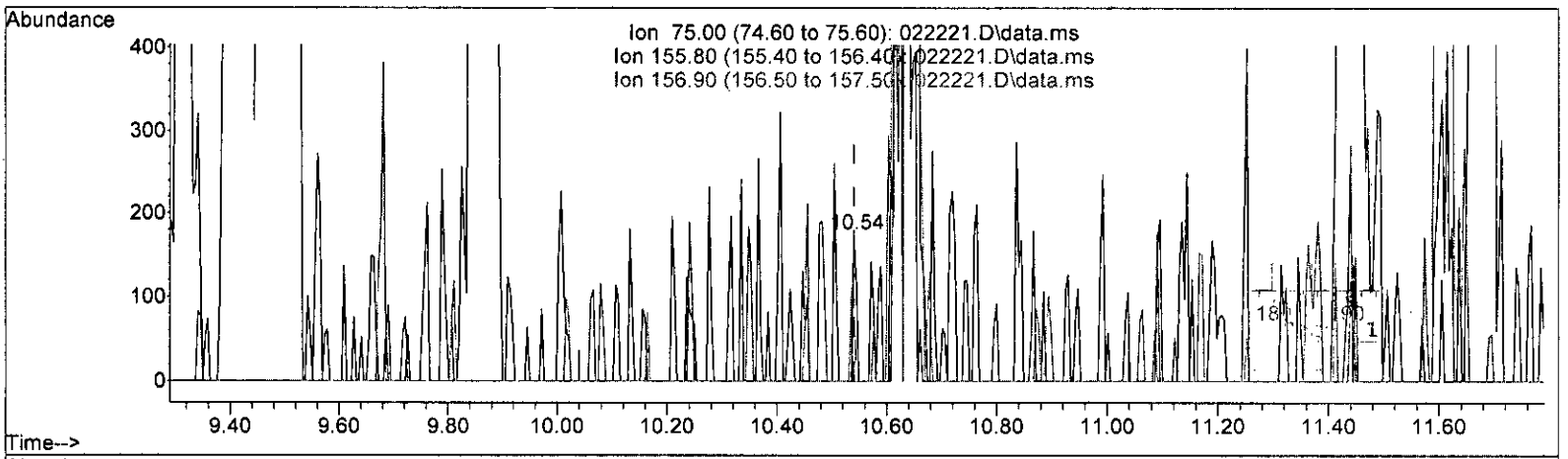
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.404	6.7	100	0.00
45	TMP	Tetrachloroethene	0.403	0.361	10.4	100	0.00
46	TMP	Dibromochloromethane	0.386	0.347	10.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.310	8.8	100	0.00
48	TMP	Chlorobenzene	0.941	0.881	6.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.428	12.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.309	18.7	100	0.00
51	TMP	m,p-Xylene	0.656	0.558	14.9	100	0.00
52	TMP	o-Xylene	0.643	0.567	11.8	100	0.00
53	TMP	Styrene	0.964	0.873	9.4	100	0.00
54	TMP	Isopropylbenzene	1.476	1.374	6.9	100	0.00
55	TMP	Bromoform	0.315	0.268	14.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.690	4.7	100	0.00
58	TMP	n-Propylbenzene	2.900	2.599	10.4	100	0.00
59	TMP	Bromobenzene	0.834	0.666	20.1#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	1.840	13.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.565	15.9	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.450#	11.6	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.494	14.3	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.717	14.4	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.698	14.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	1.964	11.5	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.448	12.6	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.173	12.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.304	12.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.316	10.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.317	7.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.139	4.1	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.040	10.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.516	6.7	100	0.00
75	TMP	Naphthalene	2.586	2.196	15.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	0.934	11.6	100	0.00

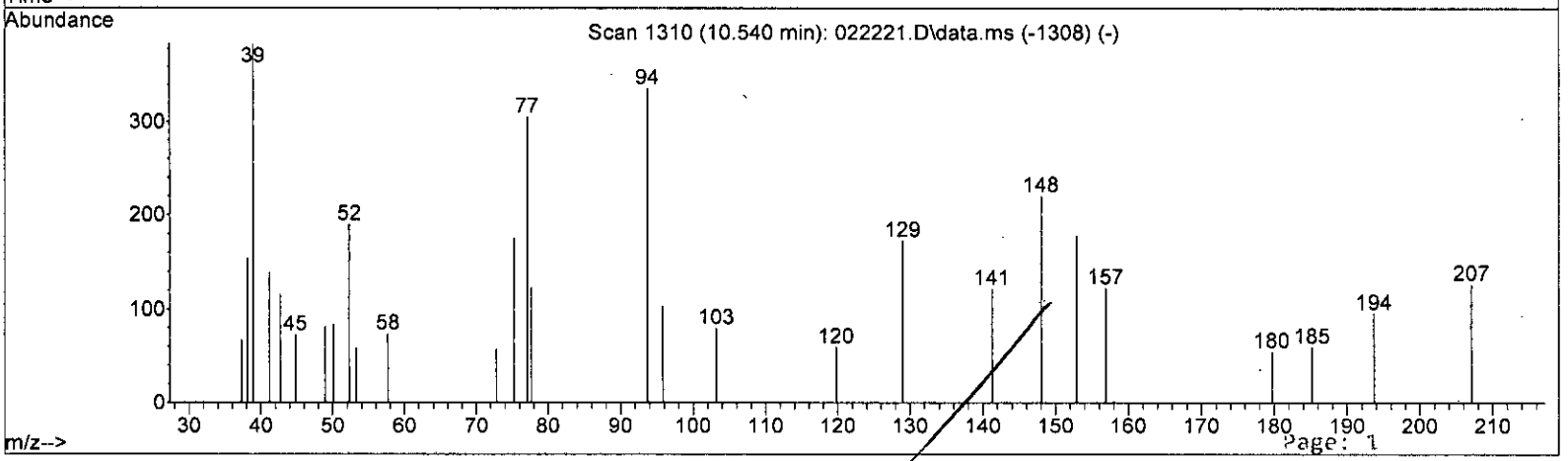
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Page: 1

TIC: 022221.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.540min (+ 0.000) 0.038 ppb
response 78

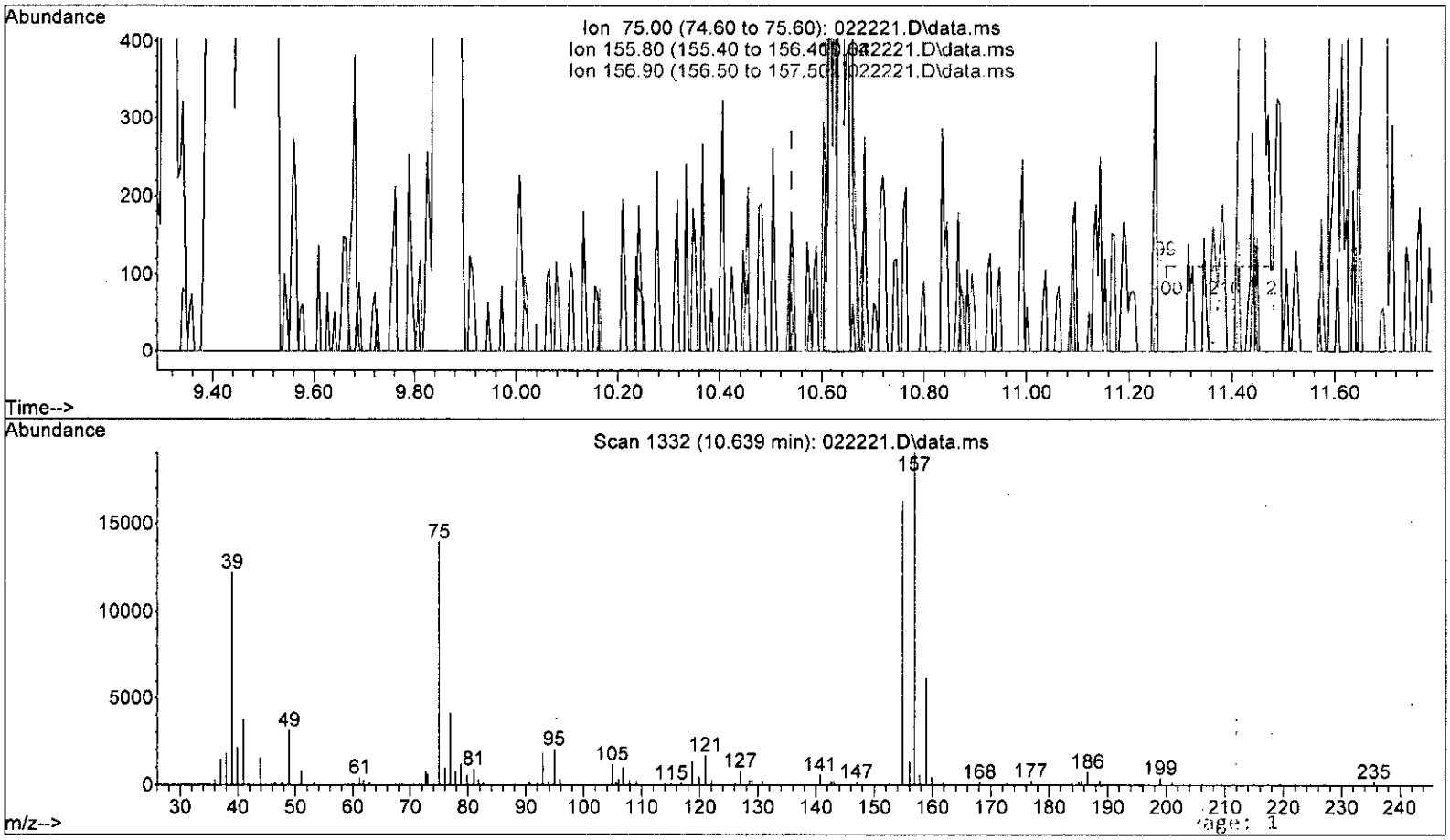
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	69.71
0.00	0.00	0.00

m 2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022221.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.639min (+ 0.099) 9.660 ppb m
response 19812

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	9.45
156.90	93.30	136.70#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	292579	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	243407	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	141583	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	85943	10.556	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.60%			
30) 1,2-Dichloroethane-d4	4.35	102	17373	9.603	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 96.00%			
35) Toluene-d8	5.97	98	291038	10.568	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 105.70%			
57) 4-Bromofluorobenzene	8.38	95	99387	9.690	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 96.90%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	321	No Calib		
4) Dichlorodifluoromethane	1.08	85	171691	10.686	ppb	91
5) Chloromethane	1.22	50	216877	10.376	ppb	95
6] Vinyl chloride	1.29	62	179244	10.158	ppb	90
7) Bromomethane	1.53	94	104512	9.974	ppb	98
8] Chloroethane	1.60	64	87016	10.689	ppb	98
9) Trichlorofluoromethane	1.77	101	218398	9.734	ppb	99
10) 2-Propanol	2.39	45	1566	No Calib		
11) Acetone	2.26	58	103713	49.407	ppb	99
12] 1,1-Dichloroethene	2.18	96	85967	9.904	ppb	98
13) Hexane	3.05	57	122199	9.937	ppb	96
14) Methylene chloride	2.60	84	75269	9.230	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	59470	50.799	ppb	97
16] Methyl t-butyl ether (...	2.83	73	212215	10.485	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	80042	10.657	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	288042	10.057	ppb	94
19] 1,1-Dichloroethane	3.17	63	157294	10.254	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	84411	9.899	ppb	89
21) 2,2-Dichloropropane	3.66	77	95701	11.070	ppb	88
22] cis-1,2-Dichloroethene	3.66	96	91447	10.829	ppb	96
23) Chloroform	3.94	83	142679	10.311	ppb	99
24) 2-Butanone (MEK)	3.70	43	353946	49.165	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	191451	10.079	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	125010	10.368	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	133574	10.430	ppb	98
28) 1,1-Dichloropropene	4.21	75	100830	10.092	ppb	89
29) Carbon tetrachloride	4.21	117	117994	9.836	ppb	99
31] Benzene	4.39	78	309352	10.085	ppb	99
32] Trichloroethene	4.93	95	94348	10.736	ppb	94
33) 1,2-Dichloropropane	5.13	63	82569	9.564	ppb	99
34) Bromodichloromethane	5.37	83	102222	9.960	ppb	97
36) Dibromomethane	5.22	93	51419	10.012	ppb	90

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

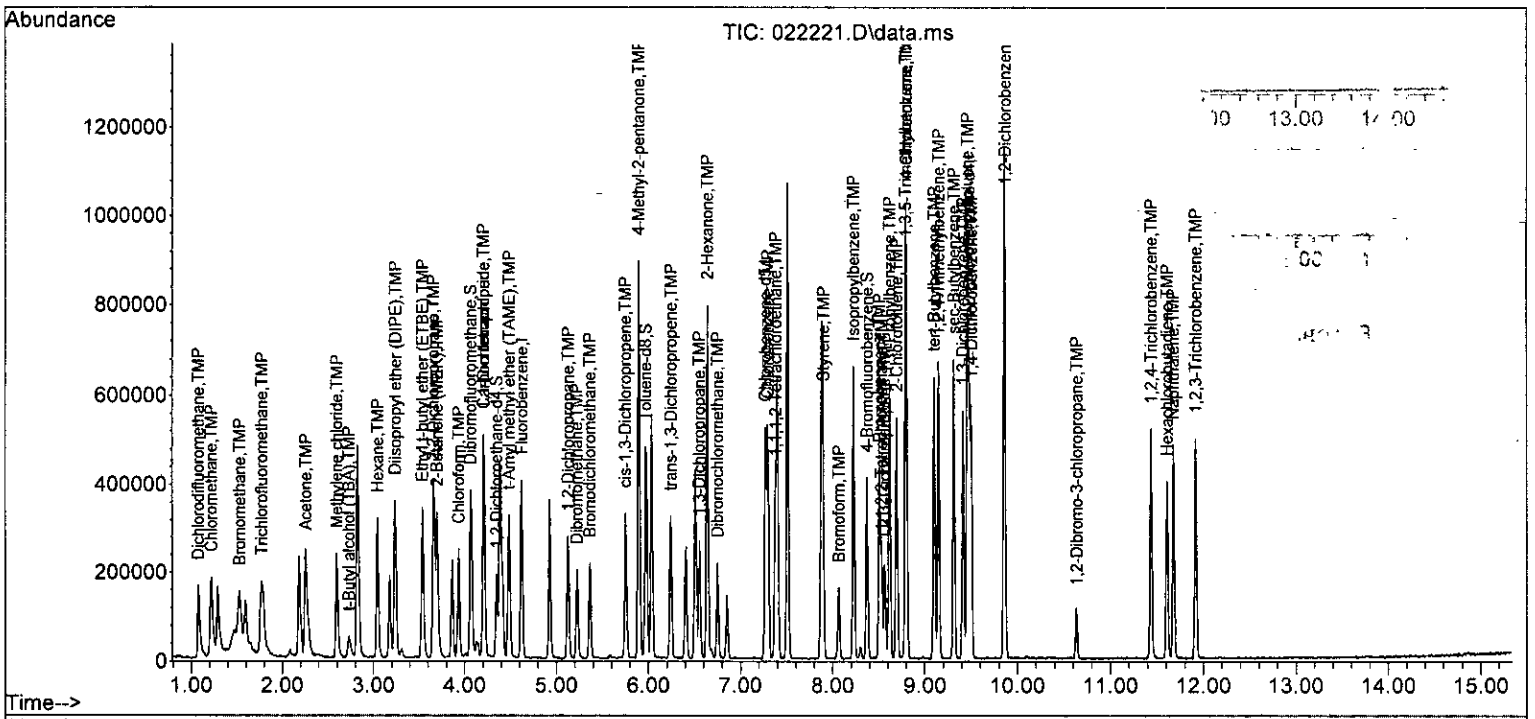
Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

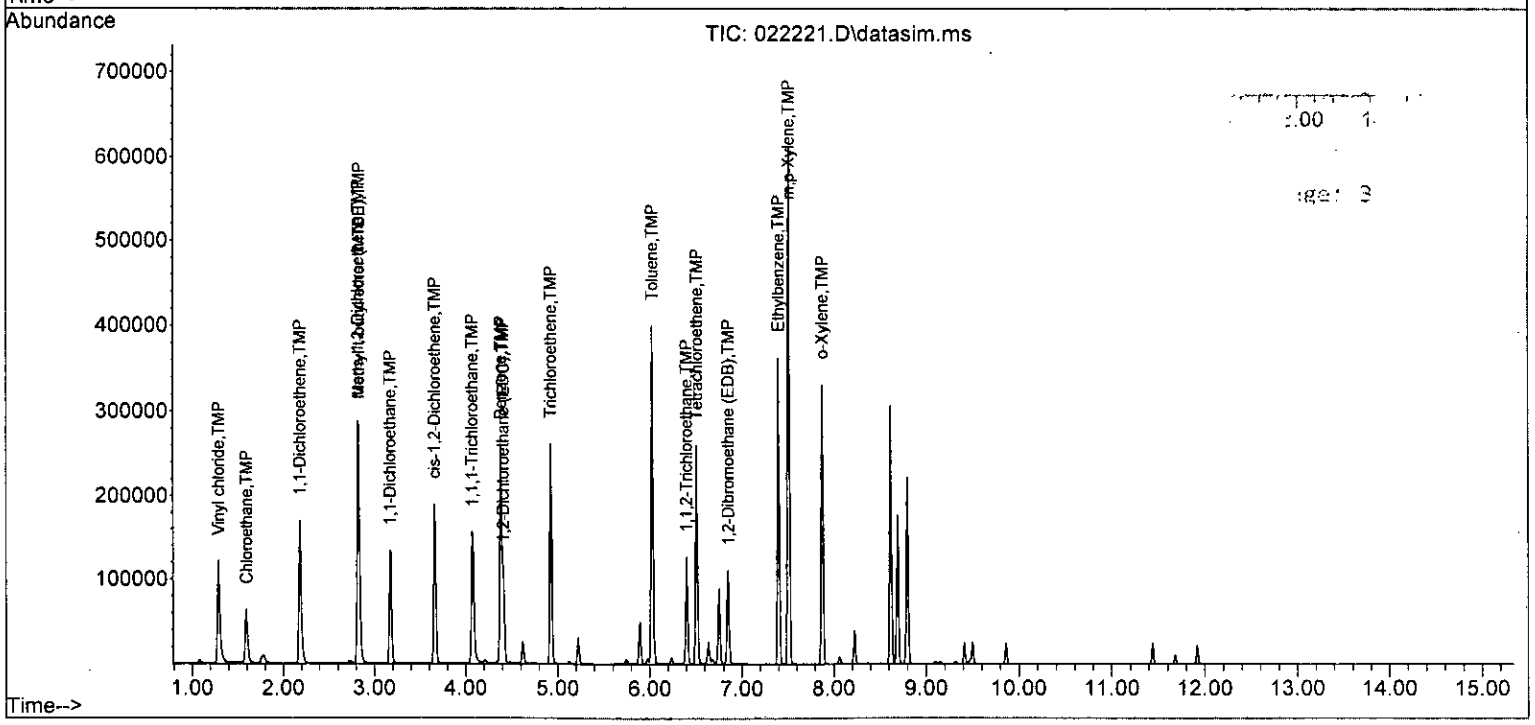
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	74182	51.720	ppb	#	85
38) cis-1,3-Dichloropropene	5.75	75	120329	10.110	ppb		96
40] Toluene	6.03	92	197952	9.470	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	115188	9.866	ppb		94
42] 1,1,2-Trichloroethane	6.40	83	59839	9.376	ppb		95
43) 2-Hexanone	6.64	43	468038	50.464	ppb		99
44) 1,3-Dichloropropane	6.55	76	102394	9.720	ppb		100
45] Tetrachloroethene	6.51	164	92956	9.484	ppb		98
46) Dibromochloromethane	6.75	129	90288	9.611	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	80621	9.747	ppb		99
48) Chlorobenzene	7.29	112	228553	9.974	ppb		94
49] Ethylbenzene	7.40	91	368901	9.284	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	87904	9.985	ppb		94
51] m,p-Xylene	7.51	106	289705	19.795	ppb		95
52] o-Xylene	7.88	106	147174	9.401	ppb		94
53) Styrene	7.90	104	226680	9.657	ppb		98
54) Isopropylbenzene	8.23	105	361560	10.065	ppb		97
55) Bromoform	8.07	173	71715	9.361	ppb		87
58) n-Propylbenzene	8.62	91	407981	9.937	ppb		98
59) Bromobenzene	8.51	156	113115	9.574	ppb		93
60) 1,3,5-Trimethylbenzene	8.79	105	303671	10.038	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	83103	9.255	ppb		97
62) 1,2,3-Trichloropropane	8.56	75	68914	9.571	ppb		94
63) 2-Chlorotoluene	8.70	91	242702	9.827	ppb		92
64) 4-Chlorotoluene	8.80	91	275141	9.691	ppb		99
65) tert-Butylbenzene	9.10	119	280820	9.954	ppb		98
66) 1,2,4-Trimethylbenzene	9.15	105	308457	9.816	ppb		100
67) sec-Butylbenzene	9.31	105	399837	10.078	ppb		97
68) p-Isopropyltoluene	9.46	119	348032	9.853	ppb		98
69) 1,3-Dichlorobenzene	9.41	146	208377	9.914	ppb		93
70) 1,4-Dichlorobenzene	9.50	146	205809	9.902	ppb		94
71) 1,2-Dichlorobenzene	9.86	146	194754	9.652	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.64	75	19812m	9.660	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	157161	9.593	ppb		98
74) Hexachlorobutadiene	11.61	225	82726	10.559	ppb		93
75) Naphthalene	11.68	128	354752	9.689	ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	151865	10.145	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.556	-5.6	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.686	-6.9	100	0.00
5	TMP	Chloromethane	10.000	10.376	-3.8	100	0.00
6	TMP	Vinyl chloride	10.000	10.158	-1.6	100	0.00
7	TMP	Bromomethane	10.000	9.974	0.3	100	0.00
8	TMP	Chloroethane	10.000	10.689	-6.9	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.734	2.7	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	49.407	1.2	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.904	1.0	100	0.00
13	TMP	Hexane	10.000	9.937	0.6	100	0.00
14	TMP	Methylene chloride	10.000	9.230	7.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	50.799	-1.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.485	-4.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.657	-6.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.057	-0.6	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.254	-2.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.899	1.0	100	0.00
21	TMP	2,2-Dichloropropane	10.000	11.070	-10.7	99	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.829	-8.3	100	0.00
23	TMP	Chloroform	10.000	10.311	-3.1	100	0.00
24	TMP	2-Butanone (MEK)	50.000	49.165	1.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.079	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.368	-3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.430	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	10.000	10.092	-0.9	100	0.00
29	TMP	Carbon tetrachloride	10.000	9.836	1.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.603	4.0	100	0.00
31	TMP	Benzene	10.000	10.085	-0.9	100	0.00
32	TMP	Trichloroethene	10.000	10.736	-7.4	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.564	4.4	100	0.00
34	TMP	Bromodichloromethane	10.000	9.960	0.4	100	0.00
35	S	Toluene-d8	10.000	10.568	-5.7	100	0.00
36	TMP	Dibromomethane	10.000	10.012	-0.1	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.720	-3.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.110	-1.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.470	5.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.866	1.3	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.376	6.2	100	0.00
43	TMP	2-Hexanone	50.000	50.464	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.720	2.8	100	0.00
45	TMP	Tetrachloroethene	10.000	9.484	5.2	100	0.00
46	TMP	Dibromochloromethane	10.000	9.611	3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.747	2.5	100	0.00
48	TMP	Chlorobenzene	10.000	9.974	0.3	100	0.00
49	TMP	Ethylbenzene	10.000	9.284	7.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.985	0.2	100	0.00
51	TMP	m,p-Xylene	20.000	19.795	1.0	100	0.00
52	TMP	o-Xylene	10.000	9.401	6.0	100	0.00
53	TMP	Styrene	10.000	9.657	3.4	100	0.00
54	TMP	Isopropylbenzene	10.000	10.065	-0.6	100	0.00
55	TMP	Bromoform	10.000	9.361	6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.690	3.1	100	0.00
58	TMP	n-Propylbenzene	10.000	9.937	0.6	100	0.00
59	TMP	Bromobenzene	10.000	9.574	4.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.038	-0.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.255	7.4	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.571	4.3	100	0.00
63	TMP	2-Chlorotoluene	10.000	9.827	1.7	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.691	3.1	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.954	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.816	1.8	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.078	-0.8	100	0.00
68	TMP	p-Isopropyltoluene	10.000	9.853	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.914	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.902	1.0	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.652	3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.660	3.4	100	0.10
73	TMP	1,2,4-Trichlorobenzene	10.000	9.593	4.1	100	0.00
74	TMP	Hexachlorobutadiene	10.000	10.559	-5.6	100	0.00
75	TMP	Naphthalene	10.000	9.689	3.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.145	-1.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.294	-5.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.587	-6.9	100	0.00
5	TMP	Chloromethane	0.714	0.741	-3.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.613	-1.7	100	0.00
7	TMP	Bromomethane	0.358	0.357	0.3	100	0.00
8	TMP	Chloroethane	0.278	0.297	-6.8	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.746	2.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.071	1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.294	1.0	100	0.00
13	TMP	Hexane	0.420	0.418	0.5	100	0.00
14	TMP	Methylene chloride	0.279	0.257	7.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.041	-2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.725	-4.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.274	4.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.984	-0.5	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.538	-2.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.289	0.7	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.327	0.9	99	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.313	0.0	100	0.00
23	TMP	Chloroform	0.473	0.488	-3.2	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.242	1.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.654	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.427	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.457	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.345	-1.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.403	1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31	TMP	Benzene	1.048	1.057	-0.9	100	0.00
32	TMP	Trichloroethene	0.329	0.322	2.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.282	4.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.349	0.6	100	0.00
35	S	Toluene-d8	0.941	0.995	-5.7	100	0.00
36	TMP	Dibromomethane	0.176	0.176	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.051	-4.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.411	-1.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.813	5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.473	1.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.246	6.1	100	0.00
43	TMP	2-Hexanone	0.381	0.385	-1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

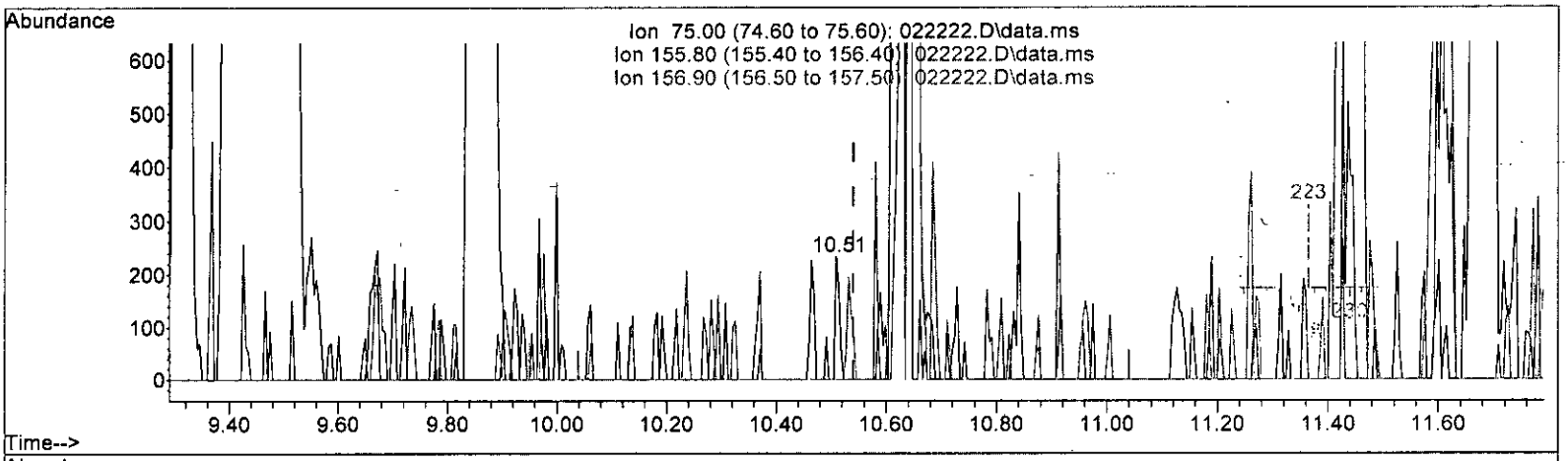
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.421	2.8	100	0.00
45	TMP	Tetrachloroethene	0.403	0.382	5.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.371	3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.331	2.6	100	0.00
48	TMP	Chlorobenzene	0.941	0.939	0.2	100	0.00
49	TMP	Ethylbenzene	1.632	1.516	7.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.361	5.0	100	0.00
51	TMP	m,p-Xylene	0.656	0.595	9.3	100	0.00
52	TMP	o-Xylene	0.643	0.605	5.9	100	0.00
53	TMP	Styrene	0.964	0.931	3.4	100	0.00
54	TMP	Isopropylbenzene	1.476	1.485	-0.6	100	0.00
55	TMP	Bromoform	0.315	0.295	6.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.702	3.0	100	0.00
58	TMP	n-Propylbenzene	2.900	2.882	0.6	100	0.00
59	TMP	Bromobenzene	0.834	0.799	4.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.145	-0.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.587	12.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.487#	4.3	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.714	1.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.943	3.1	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.983	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.179	1.8	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.824	-0.8	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.458	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.472	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.454	1.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.376	3.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	100	0.10
73	TMP	1,2,4-Trichlorobenzene	1.157	1.110	4.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.584	-5.6	100	0.00
75	TMP	Naphthalene	2.586	2.506	3.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.073	-1.5	100	0.00

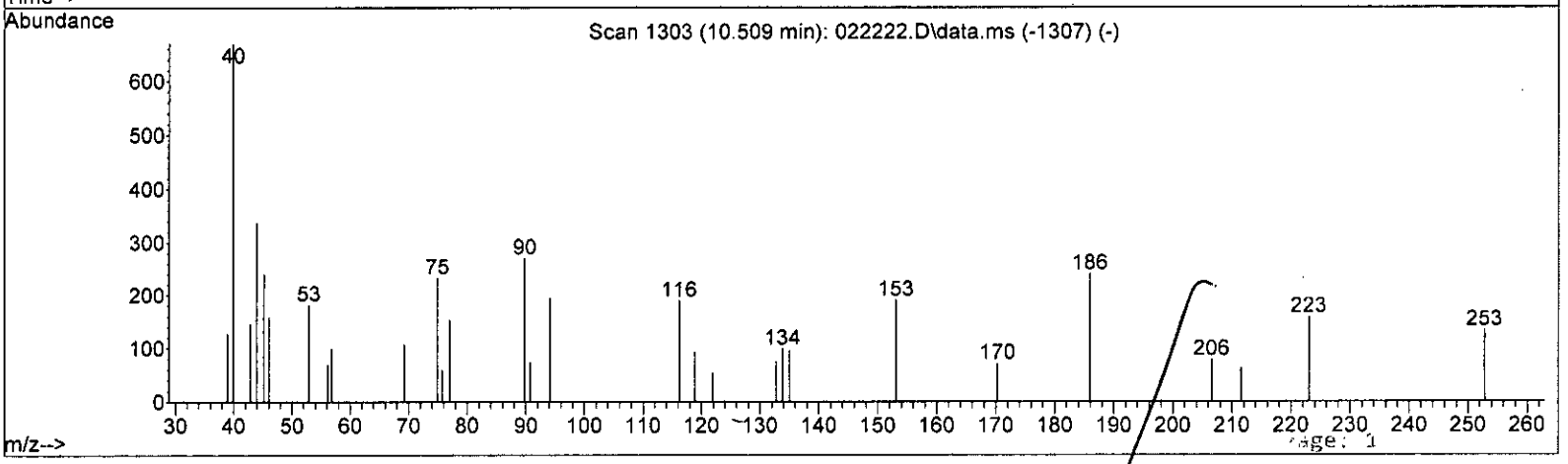
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022222.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.509min (-0.031) 0.061 ppb
response 126

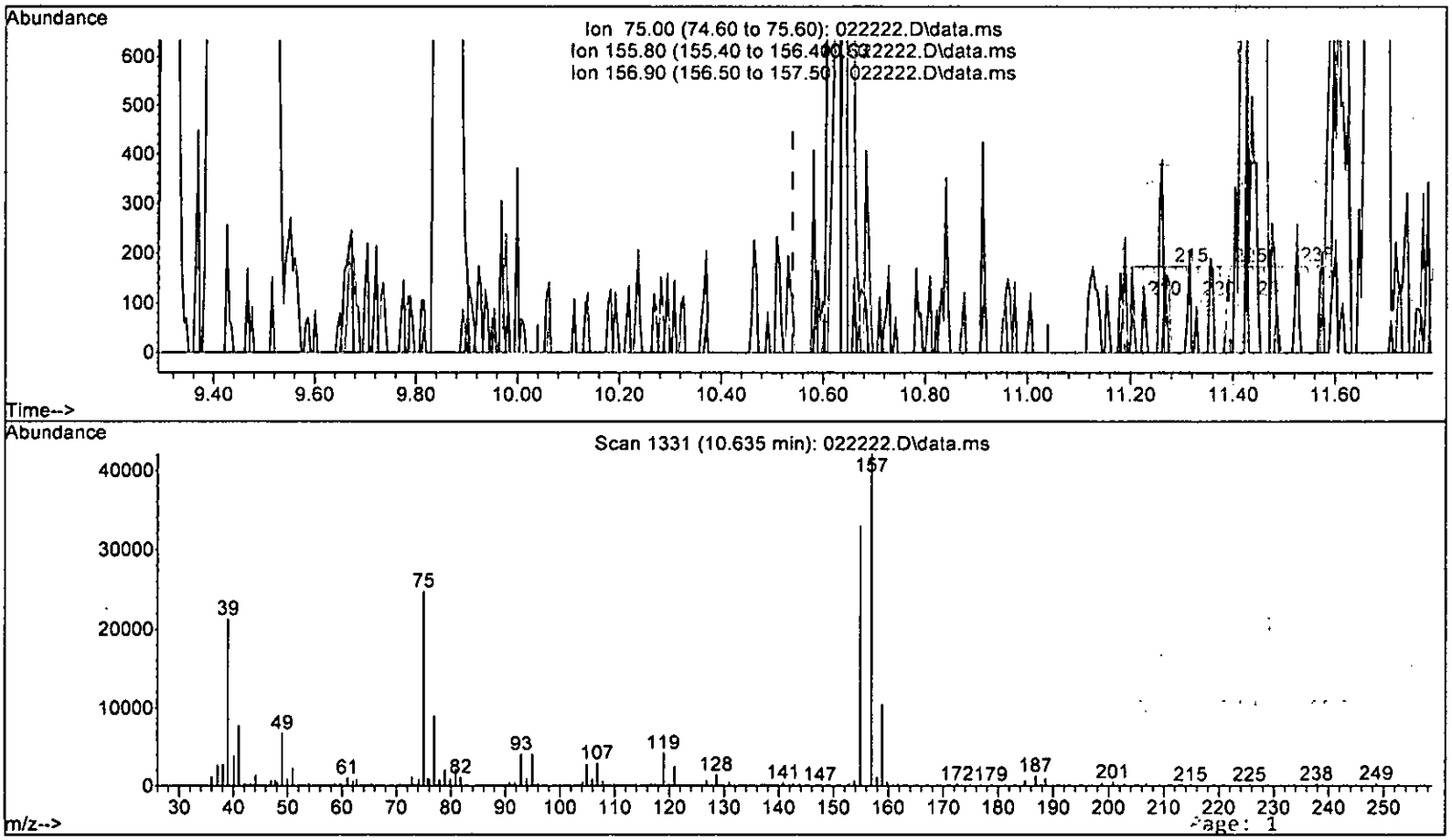
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022222.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.635min (+ 0.095) 17.892 ppb m

response 36765

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	170.43#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	300568	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	243321	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	141851	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	82844	9.905	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.10%			
30) 1,2-Dichloroethane-d4	4.35	102	18499	9.954	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 99.50%			
35) Toluene-d8	5.97	98	290844	10.281	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.80%			
57) 4-Bromofluorobenzene	8.38	95	104656	10.184	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.80%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	251	No Calib		
4) Dichlorodifluoromethane	1.08	85	313153	18.973	ppb	99
5) Chloromethane	1.22	50	395289	18.409	ppb	98
6] Vinyl chloride	1.29	62	338441	18.669	ppb	90
7) Bromomethane	1.52	94	196310	18.237	ppb	88
8] Chloroethane	1.60	64	161089	19.262	ppb	98
9) Trichlorofluoromethane	1.77	101	413310	17.932	ppb	88
10) 2-Propanol	2.39	45	4412	No Calib		
11) Acetone	2.25	58	197992	91.812	ppb	90
12] 1,1-Dichloroethene	2.19	96	162986	18.278	ppb	99
13) Hexane	3.05	57	234772	18.584	ppb	99
14) Methylene chloride	2.60	84	146660	17.507	ppb	90
15) t-Butyl alcohol (TBA)	2.72	59	115238	95.819	ppb	93
16] Methyl t-butyl ether (...	2.83	73	397862	19.135	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	150028	19.460	ppb	98
18) Diisopropyl ether (DIPE)	3.24	45	550788	18.720	ppb	97
19] 1,1-Dichloroethane	3.18	63	298452	18.940	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	160405	18.311	ppb	93
21) 2,2-Dichloropropane	3.66	77	178273	20.206	ppb	93
22] cis-1,2-Dichloroethene	3.66	96	170728	19.691	ppb	96
23) Chloroform	3.94	83	267389	18.809	ppb	98
24) 2-Butanone (MEK)	3.70	43	745652	100.823	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	368585	18.888	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	233275	18.909	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	251182	19.092	ppb	98
28) 1,1-Dichloropropene	4.21	75	201152	19.598	ppb	93
29) Carbon tetrachloride	4.21	117	220099	17.859	ppb	98
31] Benzene	4.39	78	581721	18.460	ppb	99
32] Trichloroethene	4.93	95	177317	19.652	ppb	94
33) 1,2-Dichloropropane	5.13	63	157174	17.721	ppb	98
34) Bromodichloromethane	5.37	83	198713	18.846	ppb	97
36) Dibromomethane	5.22	93	96094	18.214	ppb	87

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

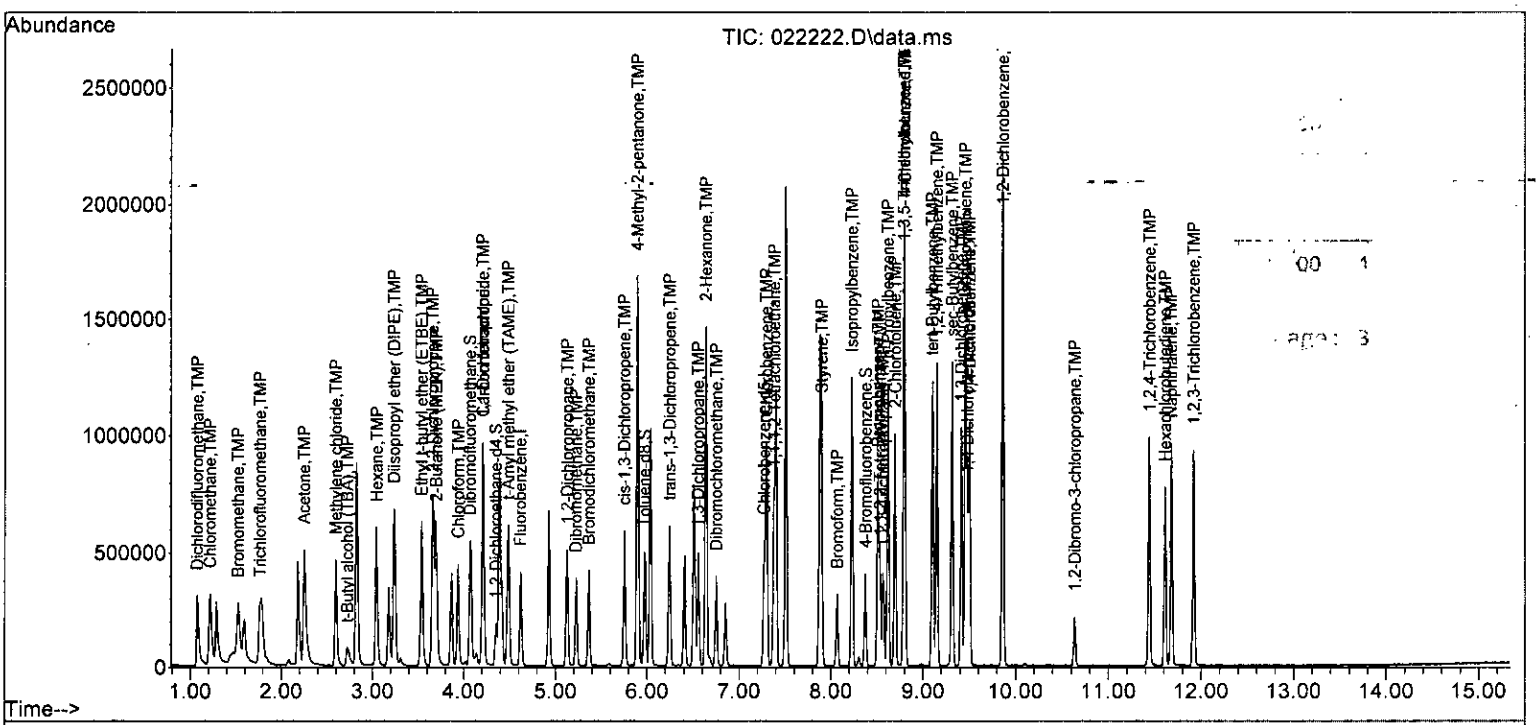
Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

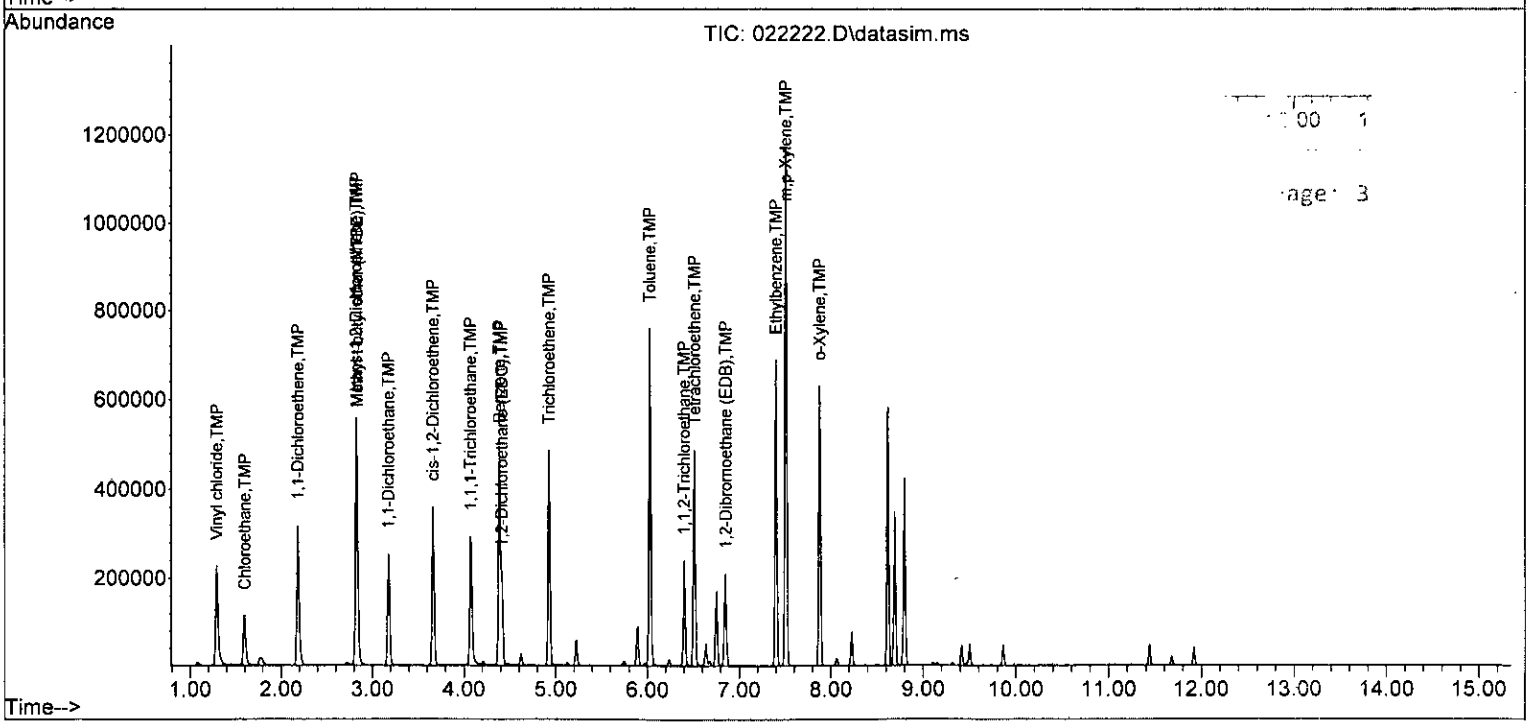
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	132866	90.172 ppb	91
38) cis-1,3-Dichloropropene	5.75	75	226681	18.539 ppb	95
40] Toluene	6.03	92	375512	17.971 ppb	99
41) trans-1,3-Dichloropropene	6.25	75	212591	18.214 ppb	93
42] 1,1,2-Trichloroethane	6.40	83	113679	17.819 ppb	94
43) 2-Hexanone	6.64	43	890976	96.100 ppb	96
44) 1,3-Dichloropropane	6.55	76	194029	18.425 ppb	96
45] Tetrachloroethene	6.51	164	175204	17.882 ppb	98
46) Dibromochloromethane	6.75	129	172631	18.382 ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	153569	18.573 ppb	99
48) Chlorobenzene	7.30	112	432370	18.876 ppb	94
49] Ethylbenzene	7.40	91	698457	17.585 ppb	97
50) 1,1,1,2-Tetrachloroethane	7.38	131	168841	19.253 ppb	93
51] m,p-Xylene	7.51	106	553440	37.854 ppb	94
52] o-Xylene	7.88	106	280670	17.935 ppb	94
53) Styrene	7.90	104	427135	18.204 ppb	96
54) Isopropylbenzene	8.23	105	680597	18.952 ppb	99
55) Bromoform	8.07	173	133817	17.473 ppb	91
58) n-Propylbenzene	8.62	91	769310	18.703 ppb	98
59) Bromobenzene	8.51	156	214375	18.110 ppb	91
60) 1,3,5-Trimethylbenzene	8.79	105	572332	18.882 ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	169434	18.922 ppb	95
62) 1,2,3-Trichloropropane	8.56	75	132817	18.411 ppb	99
63) 2-Chlorotoluene	8.70	91	459894	18.587 ppb	98
64) 4-Chlorotoluene	8.80	91	532972	18.737 ppb	97
65) tert-Butylbenzene	9.10	119	533144	18.863 ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	600655	19.078 ppb	99
67) sec-Butylbenzene	9.31	105	766153	19.274 ppb	99
68) p-Isopropyltoluene	9.46	119	676676	19.120 ppb	100
69) 1,3-Dichlorobenzene	9.41	146	388797	18.463 ppb	97
70) 1,4-Dichlorobenzene	9.50	146	386728	18.572 ppb	95
71) 1,2-Dichlorobenzene	9.86	146	386093	19.099 ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	36765m	17.892 ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	305476	18.611 ppb	95
74) Hexachlorobutadiene	11.61	225	158424	20.183 ppb	93
75) Naphthalene	11.68	128	663287	18.082 ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	284467	18.968 ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.905	1.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	18.973	5.1	100	0.00
5	TMP	Chloromethane	20.000	18.409	8.0	100	0.00
6	TMP	Vinyl chloride	20.000	18.669	6.7	100	0.00
7	TMP	Bromomethane	20.000	18.237	8.8	100	0.00
8	TMP	Chloroethane	20.000	19.262	3.7	100	0.00
9	TMP	Trichlorofluoromethane	20.000	17.932	10.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	100.000	91.812	8.2	100	0.00
12	TMP	1,1-Dichloroethene	20.000	18.278	8.6	100	0.00
13	TMP	Hexane	20.000	18.584	7.1	100	0.00
14	TMP	Methylene chloride	20.000	17.507	12.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	95.819	4.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.135	4.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.460	2.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	18.720	6.4	100	0.00
19	TMP	1,1-Dichloroethane	20.000	18.940	5.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	18.311	8.4	100	0.00
21	TMP	2,2-Dichloropropane	20.000	20.206	-1.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	19.691	1.5	100	0.00
23	TMP	Chloroform	20.000	18.809	6.0	100	0.00
24	TMP	2-Butanone (MEK)	100.000	100.823	-0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	18.888	5.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	18.909	5.5	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	19.092	4.5	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.598	2.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	17.859	10.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.954	0.5	100	0.00
31	TMP	Benzene	20.000	18.460	7.7	100	0.00
32	TMP	Trichloroethene	20.000	19.652	1.7	100	0.00
33	TMP	1,2-Dichloropropane	20.000	17.721	11.4	100	0.00
34	TMP	Bromodichloromethane	20.000	18.846	5.8	100	0.00
35	S	Toluene-d8	10.000	10.281	-2.8	100	0.00
36	TMP	Dibromomethane	20.000	18.214	8.9	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	90.172	9.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	18.539	7.3	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	17.971	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	18.214	8.9	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	17.819	10.9	100	0.00
43	TMP	2-Hexanone	100.000	96.100	3.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	18.425	7.9	100	0.00
45	TMP	Tetrachloroethene	20.000	17.882	10.6	100	0.00
46	TMP	Dibromochloromethane	20.000	18.382	8.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	18.573	7.1	100	0.00
48	TMP	Chlorobenzene	20.000	18.876	5.6	100	0.00
49	TMP	Ethylbenzene	20.000	17.585	12.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	19.253	3.7	100	0.00
51	TMP	m,p-Xylene	40.000	37.854	5.4	100	0.00
52	TMP	o-Xylene	20.000	17.935	10.3	100	0.00
53	TMP	Styrene	20.000	18.204	9.0	100	0.00
54	TMP	Isopropylbenzene	20.000	18.952	5.2	100	0.00
55	TMP	Bromoform	20.000	17.473	12.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.184	-1.8	100	0.00
58	TMP	n-Propylbenzene	20.000	18.703	6.5	100	0.00
59	TMP	Bromobenzene	20.000	18.110	9.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	18.882	5.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	18.922	5.4	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	18.411	7.9	100	0.00
63	TMP	2-Chlorotoluene	20.000	18.587	7.1	100	0.00
64	TMP	4-Chlorotoluene	20.000	18.737	6.3	100	0.00
65	TMP	tert-Butylbenzene	20.000	18.863	5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.078	4.6	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.274	3.6	100	0.00
68	TMP	p-Isopropyltoluene	20.000	19.120	4.4	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	18.463	7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	18.572	7.1	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.099	4.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	17.892	10.5	100	0.09
73	TMP	1,2,4-Trichlorobenzene	20.000	18.611	6.9	100	0.00
74	TMP	Hexachlorobutadiene	20.000	20.183	-0.9	100	0.00
75	TMP	Naphthalene	20.000	18.082	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-136O
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.276	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.521	5.1	100	0.00
5	TMP	Chloromethane	0.714	0.658	7.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.563	6.6	100	0.00
7	TMP	Bromomethane	0.358	0.327	8.7	100	0.00
8	TMP	Chloroethane	0.278	0.268	3.6	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.688	10.3	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.066	8.3	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.271	8.8	100	0.00
13	TMP	Hexane	0.420	0.391	6.9	100	0.00
14	TMP	Methylene chloride	0.279	0.244	12.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.038	5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.662	4.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.250	12.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.916	6.4	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.496	5.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.267	8.2	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.297	10.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.284	9.3	100	0.00
23	TMP	Chloroform	0.473	0.445	5.9	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.248	-0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.613	5.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.388	12.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.418	4.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.335	1.8	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.366	10.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	1.048	0.968	7.6	100	0.00
32	TMP	Trichloroethene	0.329	0.295	10.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.261	11.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.331	5.7	100	0.00
35	S	Toluene-d8	0.941	0.968	-2.9	100	0.00
36	TMP	Dibromomethane	0.176	0.160	9.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.044	10.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.377	7.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.772	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.437	9.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.234	10.7	100	0.00
43	TMP	2-Hexanone	0.381	0.366	3.9	100	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

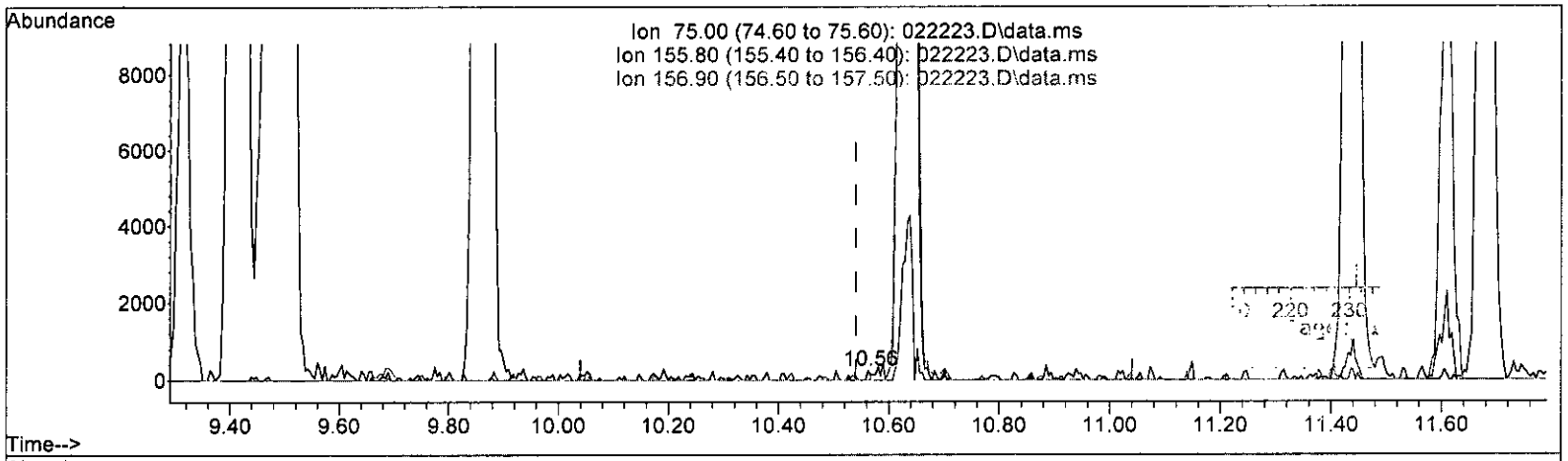
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.399	7.9	100	0.00
45	TMP	Tetrachloroethene	0.403	0.360	10.7	100	0.00
46	TMP	Dibromochloromethane	0.386	0.355	8.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.316	7.1	100	0.00
48	TMP	Chlorobenzene	0.941	0.888	5.6	100	0.00
49	TMP	Ethylbenzene	1.632	1.435	12.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.347	8.7	100	0.00
51	TMP	m,p-Xylene	0.656	0.569	13.3	100	0.00
52	TMP	o-Xylene	0.643	0.577	10.3	100	0.00
53	TMP	Styrene	0.964	0.878	8.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.399	5.2	100	0.00
55	TMP	Bromoform	0.315	0.275	12.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.738	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.900	2.712	6.5	100	0.00
59	TMP	Bromobenzene	0.834	0.756	9.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.017	5.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.597	11.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.468#	8.1	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.621	7.1	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.879	6.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.879	5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.117	4.6	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.701	3.6	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.385	4.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.370	7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.363	7.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.361	4.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.130	10.3	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.077	6.9	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.558	-0.9	100	0.00
75	TMP	Naphthalene	2.586	2.338	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.003	5.1	100	0.00

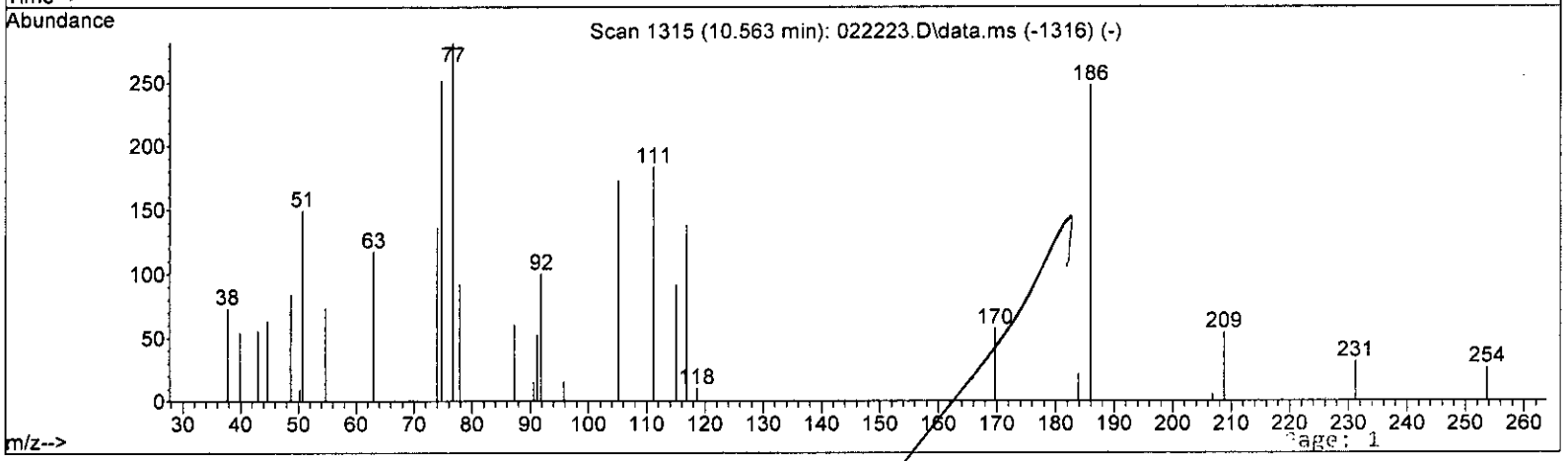
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022223.D\data.ms

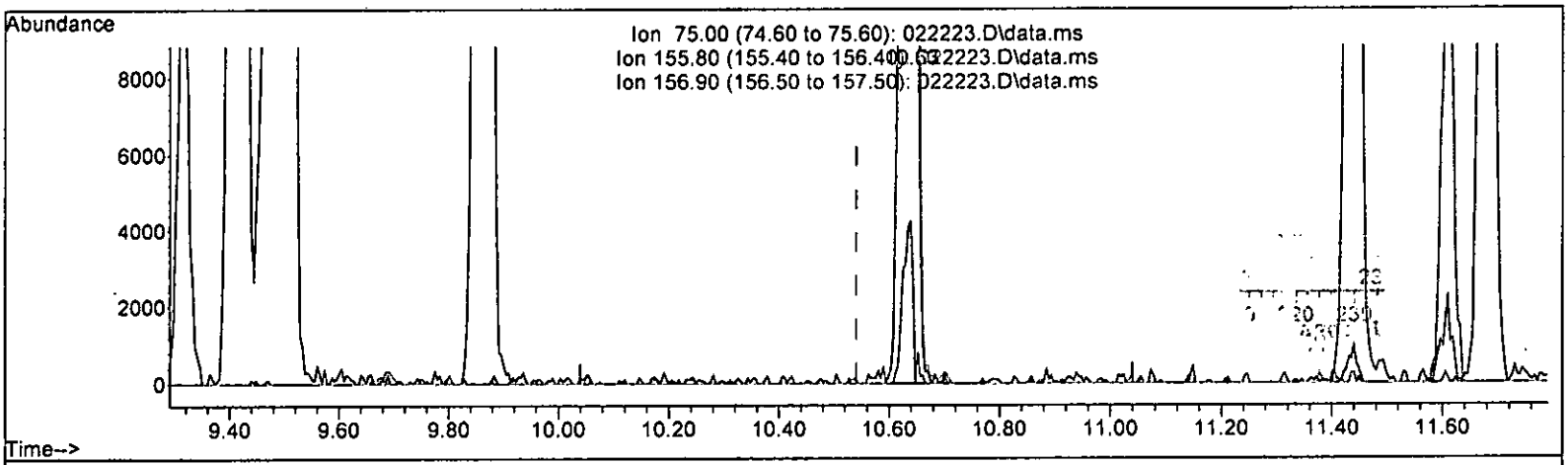
(72) 1,2-Dibromo-3-chloropropane (TMP)
10.563min (+ 0.023) 0.050 ppb
response 102

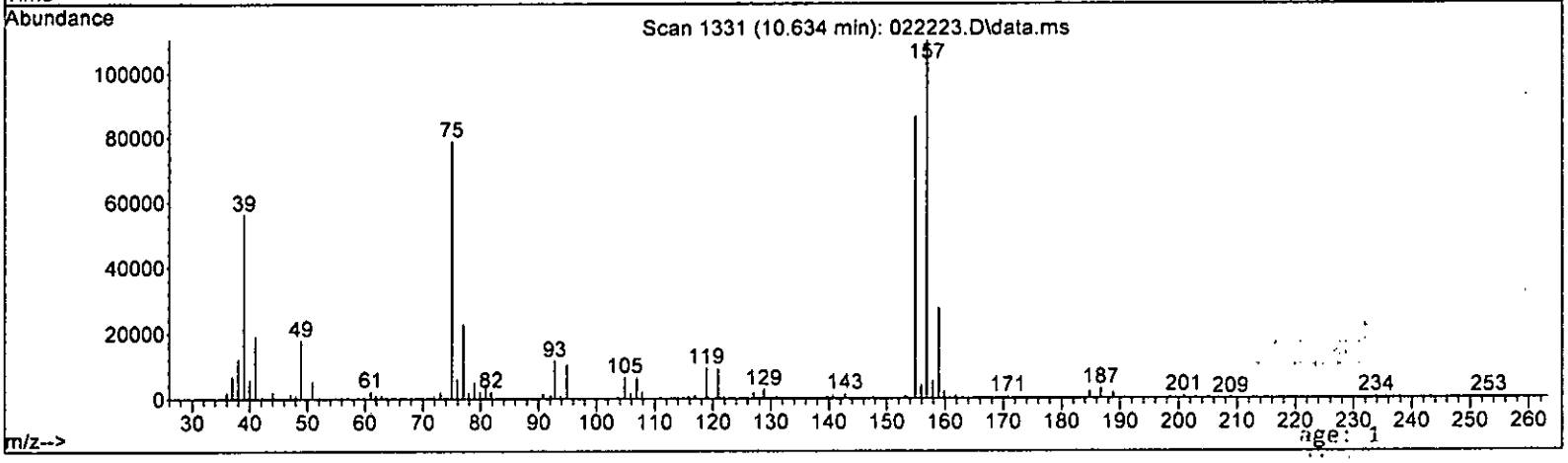
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022223.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.634min (+ 0.094) 51.082 ppb m
response 103937

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.21
156.90	93.30	140.16#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	303347	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	237018	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	140461	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	87052	10.313 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.10%		
30) 1,2-Dichloroethane-d4	4.35	102	17777	9.478 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 94.80%		
35) Toluene-d8	5.97	98	281777	9.869 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.70%		
57) 4-Bromofluorobenzene	8.38	95	106473	10.463 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 104.60%		
Target Compounds					Qvalue
2) Ethanol	1.86	45	472	No Calib	
4) Dichlorodifluoromethane	1.08	85	876513	52.618 ppb	99
5) Chloromethane	1.22	50	1029082	47.486 ppb	96
6] Vinyl chloride	1.29	62	879801	48.087 ppb	89
7) Bromomethane	1.52	94	517218	47.610 ppb	92
8] Chloroethane	1.59	64	427962	50.705 ppb	97
9) Trichlorofluoromethane	1.77	101	1129980	48.578 ppb	90
10) 2-Propanol	2.39	45	3749	No Calib	
11) Acetone	2.25	58	550556	252.962 ppb	99
12] 1,1-Dichloroethene	2.18	96	436439	48.496 ppb	99
13) Hexane	3.05	57	631957	49.567 ppb	99
14) Methylene chloride	2.60	84	383322	45.338 ppb	90
15) t-Butyl alcohol (TBA)	2.73	59	313843	258.566 ppb	99
16] Methyl t-butyl ether (...	2.83	73	1069225	50.953 ppb	98
17] trans-1,2-Dichloroethene	2.82	96	401752	51.663 ppb	97
18) Diisopropyl ether (DIPE)	3.23	45	1512858	50.949 ppb	98
19] 1,1-Dichloroethane	3.17	63	790738	49.720 ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	446232	50.473 ppb	89
21) 2,2-Dichloropropane	3.66	77	454009	51.238 ppb	92
22] cis-1,2-Dichloroethene	3.66	96	455900	52.121 ppb	96
23) Chloroform	3.94	83	716738	49.956 ppb	99
24) 2-Butanone (MEK)	3.69	43	2065431	276.718 ppb	99
25) t-Amyl methyl ether (T...	4.49	73	992664	50.403 ppb	100
26] 1,2-Dichloroethane (EDC)	4.41	62	628133	51.055 ppb	100
27] 1,1,1-Trichloroethane	4.07	97	681550	51.329 ppb	98
28) 1,1-Dichloropropene	4.21	75	529520	51.119 ppb	91
29) Carbon tetrachloride	4.21	117	607454	48.839 ppb	95
31] Benzene	4.38	78	1566797	49.263 ppb	99
32] Trichloroethene	4.93	95	472200	51.878 ppb	93
33) 1,2-Dichloropropane	5.13	63	432796	48.351 ppb	98
34) Bromodichloromethane	5.37	83	554396	52.098 ppb	98
36) Dibromomethane	5.22	93	258330	48.516 ppb	96

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

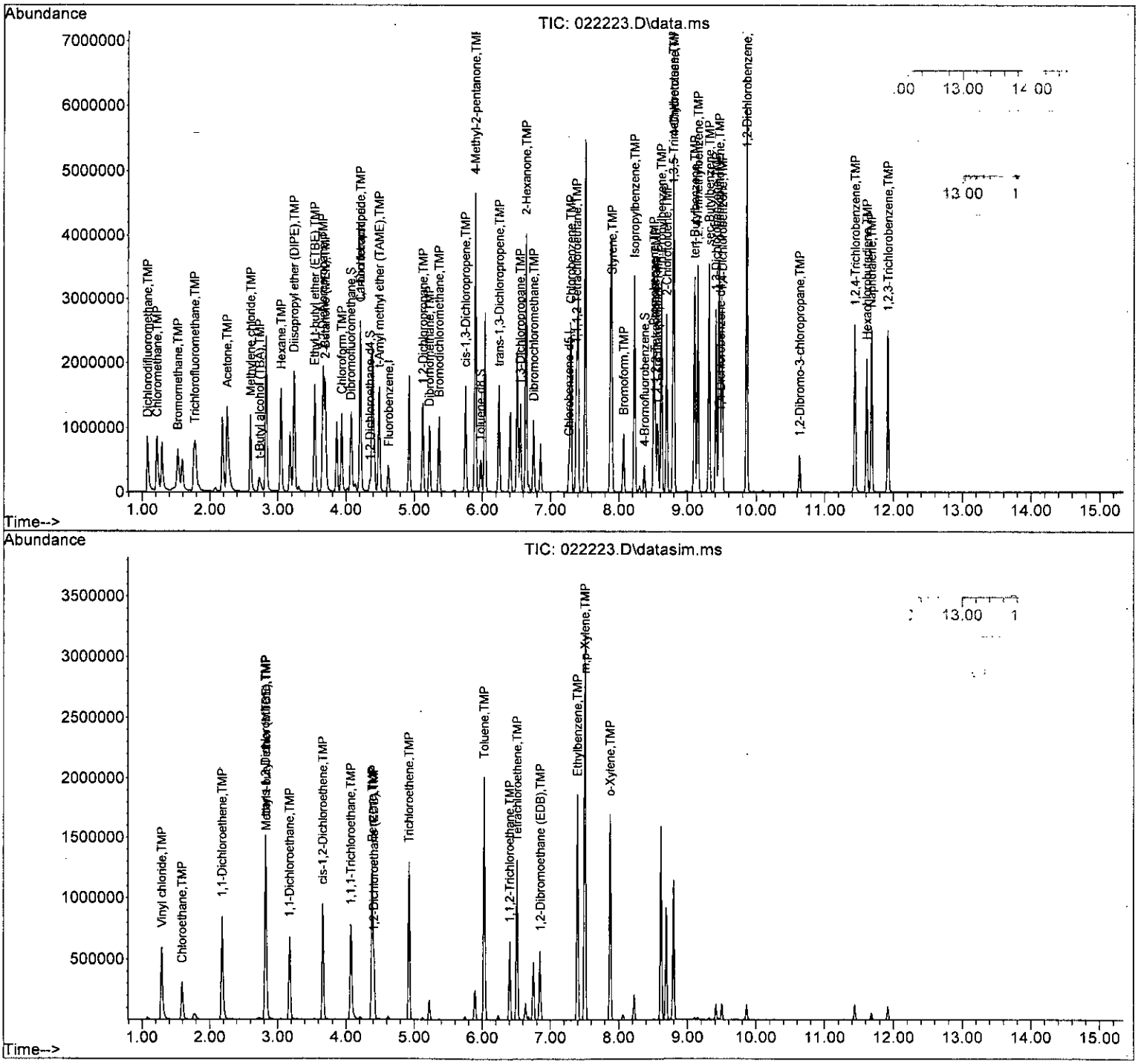
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	374286	251.690	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	636263	51.560	ppb	100
40] Toluene	6.03	92	1017686	49.999	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	583225	51.298	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	310260	49.927	ppb	94
43) 2-Hexanone	6.64	43	2413693	267.262	ppb	97
44) 1,3-Dichloropropane	6.55	76	542474	52.884	ppb	98
45] Tetrachloroethene	6.51	164	471847	49.439	ppb	97
46) Dibromochloromethane	6.75	129	481168	52.599	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	420179	52.168	ppb	100
48) Chlorobenzene	7.29	112	1163237	52.134	ppb	95
49] Ethylbenzene	7.40	91	1879550	48.580	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	444185	52.122	ppb	99
51] m,p-Xylene	7.51	106	1514846	106.417	ppb	96
52] o-Xylene	7.88	106	764250	50.135	ppb	94
53) Styrene	7.90	104	1198379	52.430	ppb	96
54) Isopropylbenzene	8.23	105	1876510	53.644	ppb	98
55) Bromoform	8.07	173	392210	52.575	ppb	91
58) n-Propylbenzene	8.62	91	2099787	51.554	ppb	99
59) Bromobenzene	8.51	156	585858	49.982	ppb	93
60) 1,3,5-Trimethylbenzene	8.79	105	1578767	52.602	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	469107	53.062	ppb	97
62) 1,2,3-Trichloropropane	8.56	75	362141	50.696	ppb	95
63) 2-Chlorotoluene	8.70	91	1231838	50.278	ppb	94
64) 4-Chlorotoluene	8.80	91	1434953	50.946	ppb	95
65) tert-Butylbenzene	9.10	119	1479733	52.872	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	1655082	53.088	ppb	99
67) sec-Butylbenzene	9.31	105	2115438	53.744	ppb	99
68) p-Isopropyltoluene	9.46	119	1849225	52.769	ppb	99
69) 1,3-Dichlorobenzene	9.41	146	1061134	50.889	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	1052541	51.047	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	1023768	51.144	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	103937m	51.082	ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	836690	51.480	ppb	97
74) Hexachlorobutadiene	11.61	225	415423	53.448	ppb	96
75) Naphthalene	11.68	128	1826353	50.282	ppb	100
76) 1,2,3-Trichlorobenzene	11.92	180	771578	51.956	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.313	-3.1	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	52.618	-5.2	100	0.00
5	TMP	Chloromethane	50.000	47.486	5.0	100	0.00
6	TMP	Vinyl chloride	50.000	48.087	3.8	100	0.00
7	TMP	Bromomethane	50.000	47.610	4.8	100	0.00
8	TMP	Chloroethane	50.000	50.705	-1.4	100	0.00
9	TMP	Trichlorofluoromethane	50.000	48.578	2.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	250.000	252.962	-1.2	100	0.00
12	TMP	1,1-Dichloroethene	50.000	48.496	3.0	100	0.00
13	TMP	Hexane	50.000	49.567	0.9	100	0.00
14	TMP	Methylene chloride	50.000	45.338	9.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	258.566	-3.4	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	50.953	-1.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	51.663	-3.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	50.949	-1.9	100	0.00
19	TMP	1,1-Dichloroethane	50.000	49.720	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	50.473	-0.9	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.238	-2.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	52.121	-4.2	100	0.00
23	TMP	Chloroform	50.000	49.956	0.1	100	0.00
24	TMP	2-Butanone (MEK)	250.000	276.718	-10.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	50.403	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	51.055	-2.1	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	51.329	-2.7	100	0.00
28	TMP	1,1-Dichloropropene	50.000	51.119	-2.2	100	0.00
29	TMP	Carbon tetrachloride	50.000	48.839	2.3	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.478	5.2	100	0.00
31	TMP	Benzene	50.000	49.263	1.5	100	0.00
32	TMP	Trichloroethene	50.000	51.878	-3.8	100	0.00
33	TMP	1,2-Dichloropropane	50.000	48.351	3.3	100	0.00
34	TMP	Bromodichloromethane	50.000	52.098	-4.2	100	0.00
35	S	Toluene-d8	10.000	9.869	1.3	100	0.00
36	TMP	Dibromomethane	50.000	48.516	3.0	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	251.690	-0.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	51.560	-3.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	49.999	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	51.298	-2.6	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.927	0.1	100	0.00
43	TMP	2-Hexanone	250.000	267.262	-6.9	100	0.00

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	52.884	-5.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.439	1.1	100	0.00
46	TMP	Dibromochloromethane	50.000	52.599	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	52.168	-4.3	100	0.00
48	TMP	Chlorobenzene	50.000	52.134	-4.3	100	0.00
49	TMP	Ethylbenzene	50.000	48.580	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	52.122	-4.2	100	0.00
51	TMP	m,p-Xylene	100.000	106.417	-6.4	100	0.00
52	TMP	o-Xylene	50.000	50.135	-0.3	100	0.00
53	TMP	Styrene	50.000	52.430	-4.9	100	0.00
54	TMP	Isopropylbenzene	50.000	53.644	-7.3	100	0.00
55	TMP	Bromoform	50.000	52.575	-5.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.463	-4.6	100	0.00
58	TMP	n-Propylbenzene	50.000	51.554	-3.1	100	0.00
59	TMP	Bromobenzene	50.000	49.982	0.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	52.602	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	50.696	-1.4	100	0.00
63	TMP	2-Chlorotoluene	50.000	50.278	-0.6	100	0.00
64	TMP	4-Chlorotoluene	50.000	50.946	-1.9	100	0.00
65	TMP	tert-Butylbenzene	50.000	52.872	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	53.088	-6.2	100	0.00
67	TMP	sec-Butylbenzene	50.000	53.744	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	50.000	52.769	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	50.889	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	51.047	-2.1	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	51.144	-2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	51.082	-2.2	100	0.09
73	TMP	1,2,4-Trichlorobenzene	50.000	51.480	-3.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	53.448	-6.9	100	0.00
75	TMP	Naphthalene	50.000	50.282	-0.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.956	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.287	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.578	-5.3	100	0.00
5	TMP	Chloromethane	0.714	0.678	5.0	100	0.00
6	TMP	Vinyl chloride	0.603	0.580	3.8	100	0.00
7	TMP	Bromomethane	0.358	0.341	4.7	100	0.00
8	TMP	Chloroethane	0.278	0.282	-1.4	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.745	2.9	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.073	-1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.288	3.0	100	0.00
13	TMP	Hexane	0.420	0.417	0.7	100	0.00
14	TMP	Methylene chloride	0.279	0.253	9.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.041	-2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.705	-1.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.265	7.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.997	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.521	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.294	-1.0	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.299	9.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.301	3.8	100	0.00
23	TMP	Chloroform	0.473	0.473	0.0	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.272	-10.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.654	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.414	6.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.449	-2.5	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.349	-2.3	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.401	2.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31	TMP	Benzene	1.048	1.033	1.4	100	0.00
32	TMP	Trichloroethene	0.329	0.311	5.5	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.285	3.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.366	-4.3	100	0.00
35	S	Toluene-d8	0.941	0.929	1.3	100	0.00
36	TMP	Dibromomethane	0.176	0.170	3.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.049	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.419	-2.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.859	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.492	-2.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.262	0.0	100	0.00
43	TMP	2-Hexanone	0.381	0.407	-6.8	100	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

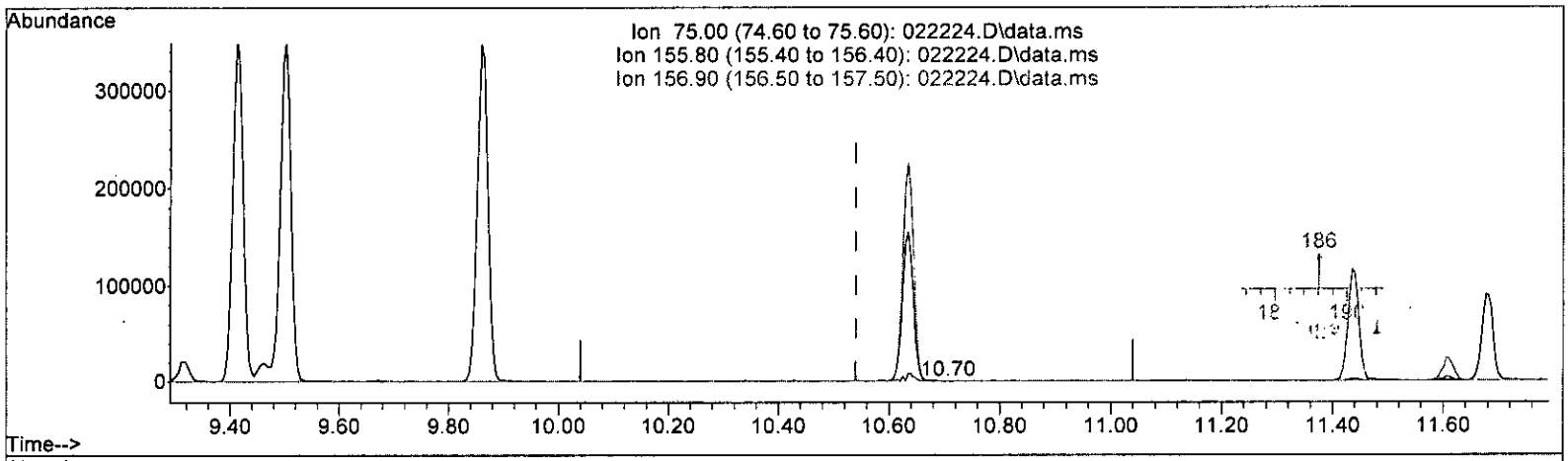
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.458	-5.8	100	0.00
45	TMP	Tetrachloroethene	0.403	0.398	1.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.406	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.355	-4.4	100	0.00
48	TMP	Chlorobenzene	0.941	0.982	-4.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.586	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.375	1.3	100	0.00
51	TMP	m,p-Xylene	0.656	0.639	2.6	100	0.00
52	TMP	o-Xylene	0.643	0.645	-0.3	100	0.00
53	TMP	Styrene	0.964	1.011	-4.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.583	-7.2	100	0.00
55	TMP	Bromoform	0.315	0.331	-5.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.758	-4.7	100	0.00
58	TMP	n-Propylbenzene	2.900	2.990	-3.1	100	0.00
59	TMP	Bromobenzene	0.834	0.834	0.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.248	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.668	0.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.516	-1.4	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.754	-0.6	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.043	-1.9	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.107	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.357	-6.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	3.012	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.633	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.511	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.499	-2.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.458	-2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.148	-2.1	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.191	-2.9	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.592	-7.1	100	0.00
75	TMP	Naphthalene	2.586	2.601	-0.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.099	-4.0	100	0.00

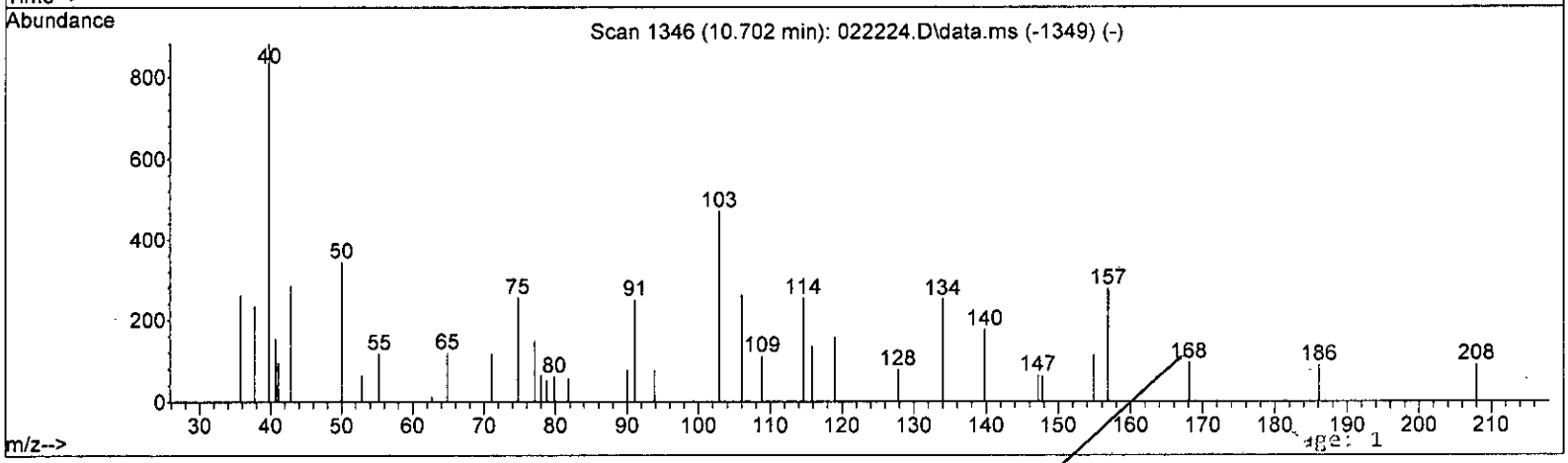
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022224.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.702min (+ 0.162) 0.111 ppb

response 234

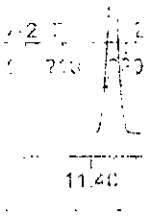
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	78.21
0.00	0.00	0.00

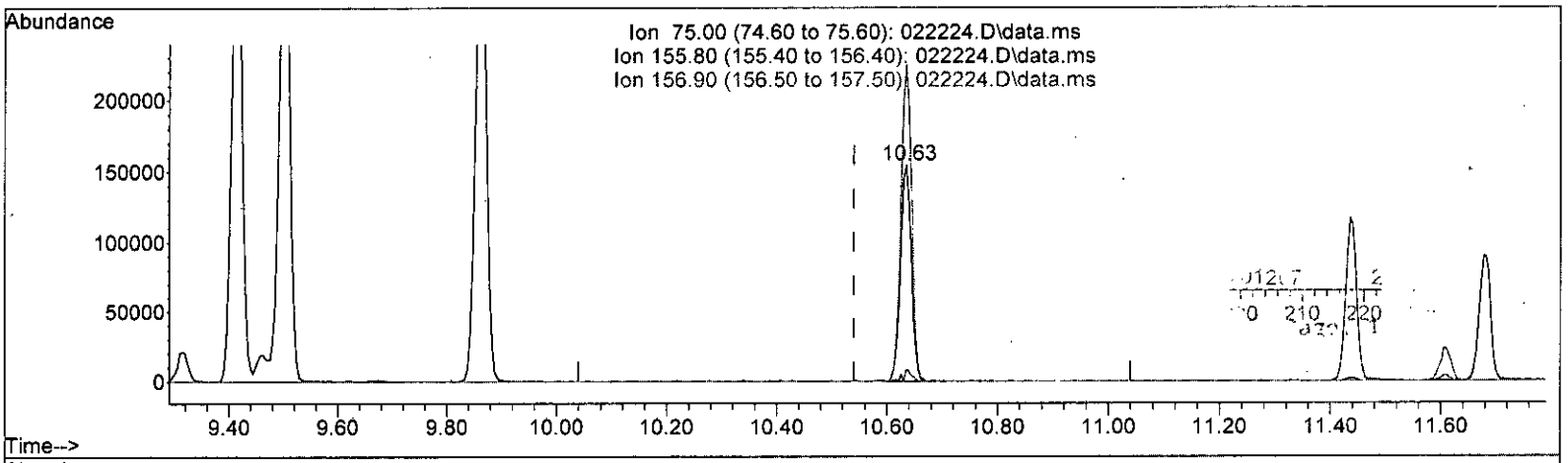
2/23

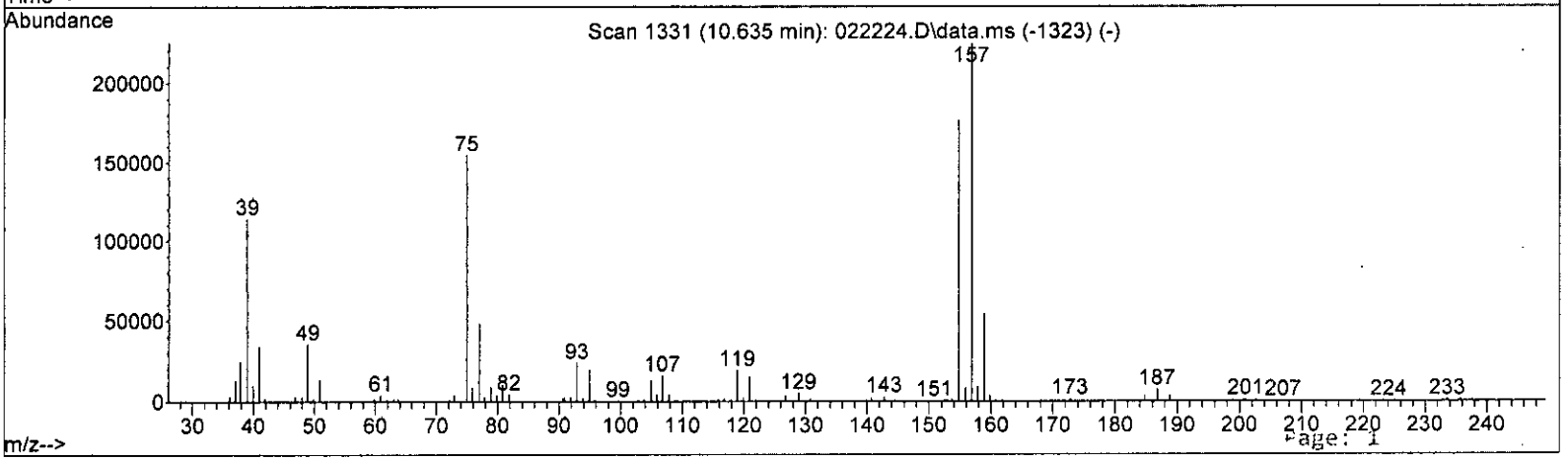
Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M







Page: 1

TIC: 022224.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.635min (+ 0.095) 100.655 ppb m

response 212908

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.14
156.90	93.30	145.53#
0.00	0.00	0.00

m2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	302509	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	249218	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	146018	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	83057	9.867	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.70%			
30) 1,2-Dichloroethane-d4	4.35	102	20083	10.737	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.40%			
35) Toluene-d8	5.97	98	306721	10.772	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 107.70%			
57) 4-Bromofluorobenzene	8.38	95	108226	10.231	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.30%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	848	No Calib		
4) Dichlorodifluoromethane	1.08	85	1667903	100.403	ppb	97
5) Chloromethane	1.22	50	2056643	95.164	ppb	96
6] Vinyl chloride	1.29	62	1728622	94.743	ppb	90
7) Bromomethane	1.53	94	1065888	98.386	ppb	93
8] Chloroethane	1.59	64	843471	100.212	ppb	97
9) Trichlorofluoromethane	1.78	101	2220445	95.721	ppb	93
10) 2-Propanol	2.40	45	6311	No Calib		
11) Acetone	2.25	58	1090045	502.227	ppb	88
12] 1,1-Dichloroethene	2.19	96	854325	95.193	ppb	95
13) Hexane	3.05	57	1234556	97.100	ppb	99
14) Methylene chloride	2.60	84	772734	91.650	ppb	86
15) t-Butyl alcohol (TBA)	2.72	59	629288	519.887	ppb	98
16] Methyl t-butyl ether (...	2.83	73	2073011	99.061	ppb	97
17] trans-1,2-Dichloroethene	2.82	96	783813	101.091	ppb	94
18) Diisopropyl ether (DIPE)	3.24	45	2948793	99.582	ppb	98
19] 1,1-Dichloroethane	3.18	63	1539402	97.063	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	847802	96.160	ppb	92
21) 2,2-Dichloropropane	3.66	77	872046	98.841	ppb	97
22] cis-1,2-Dichloroethene	3.66	96	885006	101.472	ppb	93
23) Chloroform	3.94	83	1392907	97.354	ppb	96
24) 2-Butanone (MEK)	3.69	43	4094269	550.053	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	1887288	96.094	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	1215524	100.842	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	1321181	99.776	ppb	97
28) 1,1-Dichloropropene	4.21	75	1064692	103.068	ppb	91
29) Carbon tetrachloride	4.21	117	1229507	99.126	ppb	95
31] Benzene	4.39	78	3032501	95.612	ppb	99
32] Trichloroethene	4.93	95	919639	101.330	ppb	93
33) 1,2-Dichloropropane	5.13	63	843316	94.474	ppb	98
34) Bromodichloromethane	5.37	83	1074297	101.234	ppb	98
36) Dibromomethane	5.22	93	521821	98.273	ppb	97

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

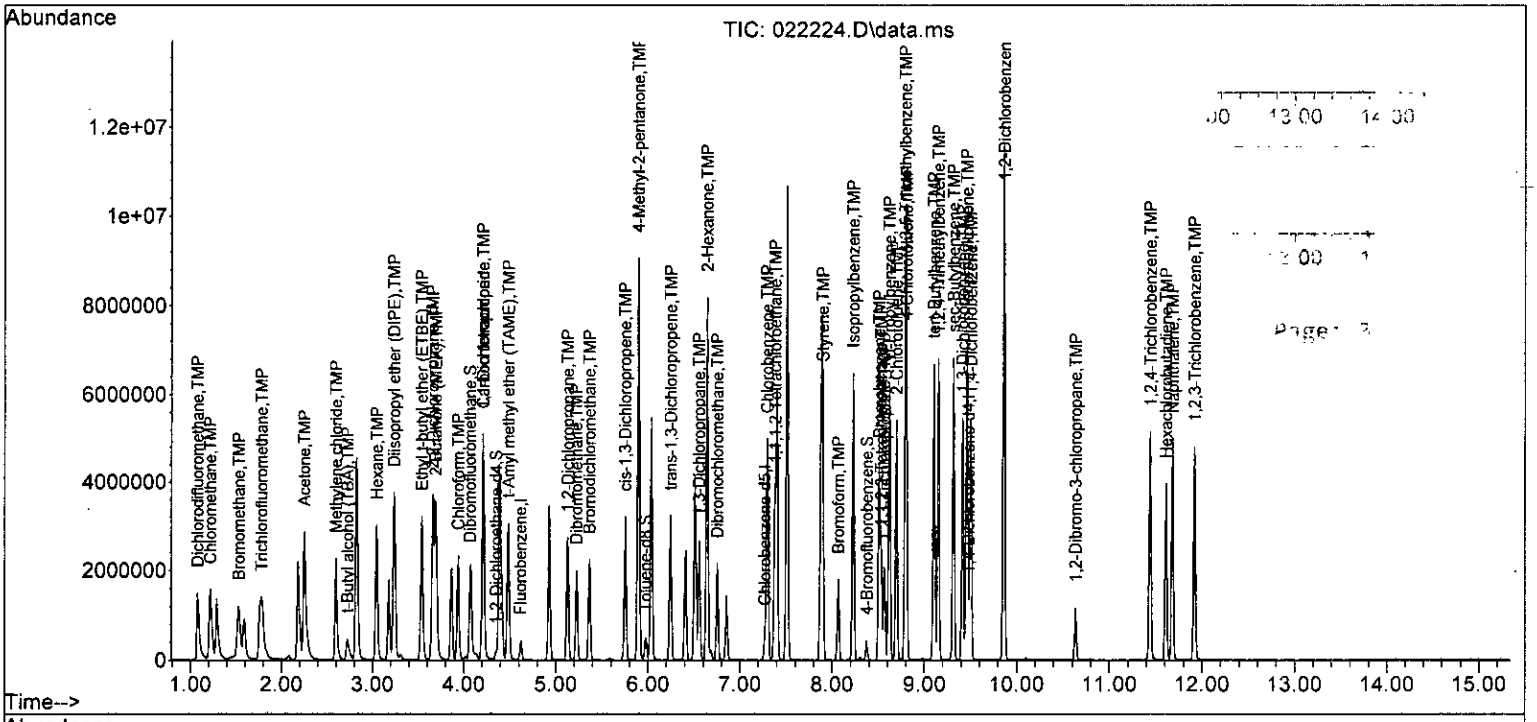
Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	740202	499.131 ppb	88
38) cis-1,3-Dichloropropene	5.75	75	1255405	102.013 ppb	96
40] Toluene	6.03	92	1984993	92.749 ppb	97
41) trans-1,3-Dichloropropene	6.25	75	1184139	99.054 ppb	94
42] 1,1,2-Trichloroethane	6.40	83	609609	93.295 ppb	94
43) 2-Hexanone	6.64	43	4781479	503.523 ppb	96
44) 1,3-Dichloropropane	6.55	76	1075973	99.758 ppb	99
45] Tetrachloroethene	6.51	164	926630	92.337 ppb	98
46) Dibromochloromethane	6.75	129	954963	99.282 ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	816837	96.452 ppb	100
48) Chlorobenzene	7.30	112	2297964	97.948 ppb	95
49] Ethylbenzene	7.40	91	3667262	90.146 ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	881311	98.418 ppb	97
51] m,p-Xylene	7.51	106	2986263	199.538 ppb	96
52] o-Xylene	7.88	106	1501732	93.691 ppb	94
53) Styrene	7.90	104	2356631	98.058 ppb	100
54) Isopropylbenzene	8.23	105	3636799	98.876 ppb	99
55) Bromoform	8.07	173	776792	99.030 ppb	89
58) n-Propylbenzene	8.62	91	4087256	96.532 ppb	100
59) Bromobenzene	8.51	156	1176131	96.523 ppb	92
60) 1,3,5-Trimethylbenzene	8.79	105	3055145	97.918 ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	925884	100.822 ppb	96
62) 1,2,3-Trichloropropane	8.56	75	707215	95.236 ppb	97
63) 2-Chlorotoluene	8.70	91	2413671	94.766 ppb	94
64) 4-Chlorotoluene	8.81	91	2818282	96.252 ppb	86
65) tert-Butylbenzene	9.10	119	2868108	98.579 ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	3235758	99.839 ppb	99
67) sec-Butylbenzene	9.31	105	4111094	100.471 ppb	98
68) p-Isopropyltoluene	9.46	119	3576095	98.163 ppb	99
69) 1,3-Dichlorobenzene	9.41	146	2071458	95.561 ppb	98
70) 1,4-Dichlorobenzene	9.50	146	2021066	94.290 ppb	96
71) 1,2-Dichlorobenzene	9.86	146	1998345	96.032 ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	212908m	100.655 ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	1619598	95.858 ppb	98
74) Hexachlorobutadiene	11.61	225	823833	101.960 ppb	96
75) Naphthalene	11.68	128	3574815	94.674 ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	1491632	96.621 ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.867	1.3	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	100.403	-0.4	100	0.00
5	TMP	Chloromethane	100.000	95.164	4.8	100	0.00
6	TMP	Vinyl chloride	100.000	94.743	5.3	100	0.00
7	TMP	Bromomethane	100.000	98.386	1.6	100	0.00
8	TMP	Chloroethane	100.000	100.212	-0.2	100	0.00
9	TMP	Trichlorofluoromethane	100.000	95.721	4.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	500.000	502.227	-0.4	100	0.00
12	TMP	1,1-Dichloroethene	100.000	95.193	4.8	100	0.00
13	TMP	Hexane	100.000	97.100	2.9	100	0.00
14	TMP	Methylene chloride	100.000	91.650	8.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	519.887	-4.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.061	0.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	101.091	-1.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	99.582	0.4	100	0.00
19	TMP	1,1-Dichloroethane	100.000	97.063	2.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	96.160	3.8	100	0.00
21	TMP	2,2-Dichloropropane	100.000	98.841	1.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	101.472	-1.5	100	0.00
23	TMP	Chloroform	100.000	97.354	2.6	100	0.00
24	TMP	2-Butanone (MEK)	500.000	550.053	-10.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	96.094	3.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	100.842	-0.8	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	99.776	0.2	100	0.00
28	TMP	1,1-Dichloropropene	100.000	103.068	-3.1	100	0.00
29	TMP	Carbon tetrachloride	100.000	99.126	0.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.737	-7.4	100	0.00
31	TMP	Benzene	100.000	95.612	4.4	100	0.00
32	TMP	Trichloroethene	100.000	101.330	-1.3	100	0.00
33	TMP	1,2-Dichloropropane	100.000	94.474	5.5	100	0.00
34	TMP	Bromodichloromethane	100.000	101.234	-1.2	100	0.00
35	S	Toluene-d8	10.000	10.772	-7.7	100	0.00
36	TMP	Dibromomethane	100.000	98.273	1.7	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	499.131	0.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	102.013	-2.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	92.749	7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	99.054	0.9	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	93.295	6.7	100	0.00
43	TMP	2-Hexanone	500.000	503.523	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	99.758	0.2	100	0.00
45	TMP	Tetrachloroethene	100.000	92.337	7.7	100	0.00
46	TMP	Dibromochloromethane	100.000	99.282	0.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	96.452	3.5	100	0.00
48	TMP	Chlorobenzene	100.000	97.948	2.1	100	0.00
49	TMP	Ethylbenzene	100.000	90.146	9.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	98.418	1.6	100	0.00
51	TMP	m,p-Xylene	200.000	199.538	0.2	100	0.00
52	TMP	o-Xylene	100.000	93.691	6.3	100	0.00
53	TMP	Styrene	100.000	98.058	1.9	100	0.00
54	TMP	Isopropylbenzene	100.000	98.876	1.1	100	0.00
55	TMP	Bromoform	100.000	99.030	1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.231	-2.3	100	0.00
58	TMP	n-Propylbenzene	100.000	96.532	3.5	100	0.00
59	TMP	Bromobenzene	100.000	96.523	3.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	97.918	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	100.822	-0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	95.236	4.8	100	0.00
63	TMP	2-Chlorotoluene	100.000	94.766	5.2	100	0.00
64	TMP	4-Chlorotoluene	100.000	96.252	3.7	100	0.00
65	TMP	tert-Butylbenzene	100.000	98.579	1.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	99.839	0.2	100	0.00
67	TMP	sec-Butylbenzene	100.000	100.471	-0.5	100	0.00
68	TMP	p-Isopropyltoluene	100.000	98.163	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	95.561	4.4	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	94.290	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	96.032	4.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	100.655	-0.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	100.000	95.858	4.1	100	0.00
74	TMP	Hexachlorobutadiene	100.000	101.960	-2.0	100	0.00
75	TMP	Naphthalene	100.000	94.674	5.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	96.621	3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.275	1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.551	-0.4	100	0.00
5	TMP	Chloromethane	0.714	0.680	4.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.571	5.3	100	0.00
7	TMP	Bromomethane	0.358	0.352	1.7	100	0.00
8	TMP	Chloroethane	0.278	0.279	-0.4	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.734	4.3	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.072	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.282	5.1	100	0.00
13	TMP	Hexane	0.420	0.408	2.9	100	0.00
14	TMP	Methylene chloride	0.279	0.255	8.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.042	-5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.685	1.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.259	9.8	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.975	0.4	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.509	2.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.280	3.8	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.288	12.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.293	6.4	100	0.00
23	TMP	Chloroform	0.473	0.460	2.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.271	-10.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.624	3.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.402	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.437	0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.352	-3.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.406	1.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.002	4.4	100	0.00
32	TMP	Trichloroethene	0.329	0.304	7.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.279	5.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.355	-1.1	100	0.00
35	S	Toluene-d8	0.941	1.014	-7.8	100	0.00
36	TMP	Dibromomethane	0.176	0.172	2.3	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.049	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.415	-2.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.796	7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.475	1.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.245	6.5	100	0.00
43	TMP	2-Hexanone	0.381	0.384	-0.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-1365
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

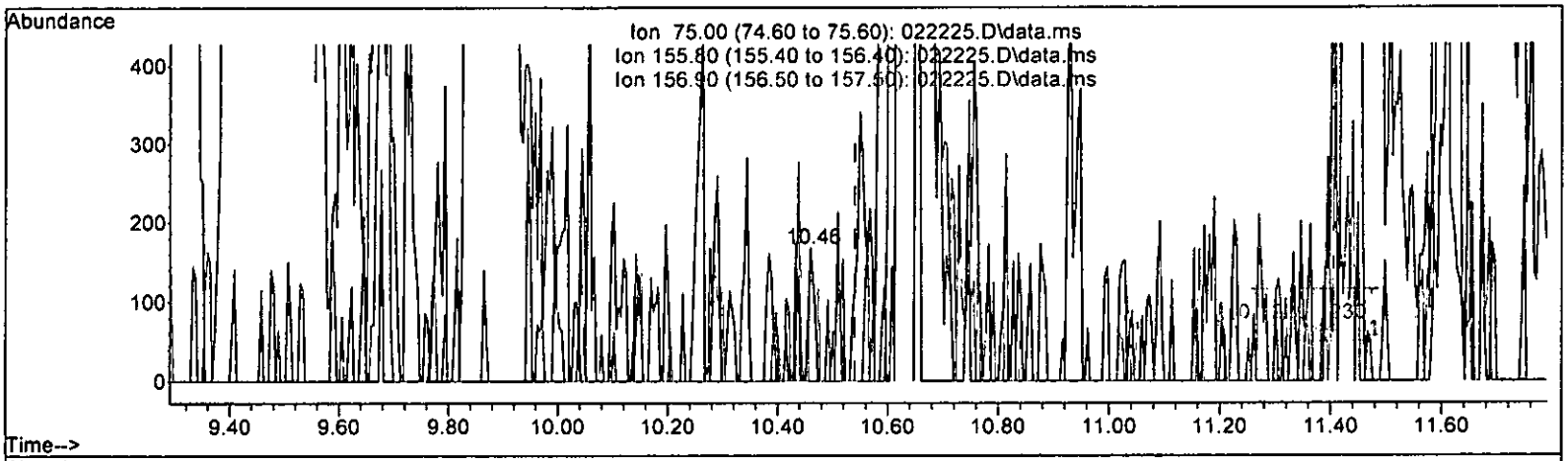
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.432	0.2	100	0.00
45	TMP	Tetrachloroethene	0.403	0.372	7.7	100	0.00
46	TMP	Dibromochloromethane	0.386	0.383	0.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.328	3.5	100	0.00
48	TMP	Chlorobenzene	0.941	0.922	2.0	100	0.00
49	TMP	Ethylbenzene	1.632	1.472	9.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.354	6.8	100	0.00
51	TMP	m,p-Xylene	0.656	0.599	8.7	100	0.00
52	TMP	o-Xylene	0.643	0.603	6.2	100	0.00
53	TMP	Styrene	0.964	0.946	1.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.459	1.2	100	0.00
55	TMP	Bromoform	0.315	0.312	1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.741	-2.3	100	0.00
58	TMP	n-Propylbenzene	2.900	2.799	3.5	100	0.00
59	TMP	Bromobenzene	0.834	0.805	3.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.092	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.634	5.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.484#	4.9	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.653	5.2	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.930	3.7	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.964	1.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.216	0.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.815	-0.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.449	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.419	4.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.384	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.369	3.9	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.146	-0.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.109	4.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.564	-2.0	100	0.00
75	TMP	Naphthalene	2.586	2.448	5.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.022	3.3	100	0.00

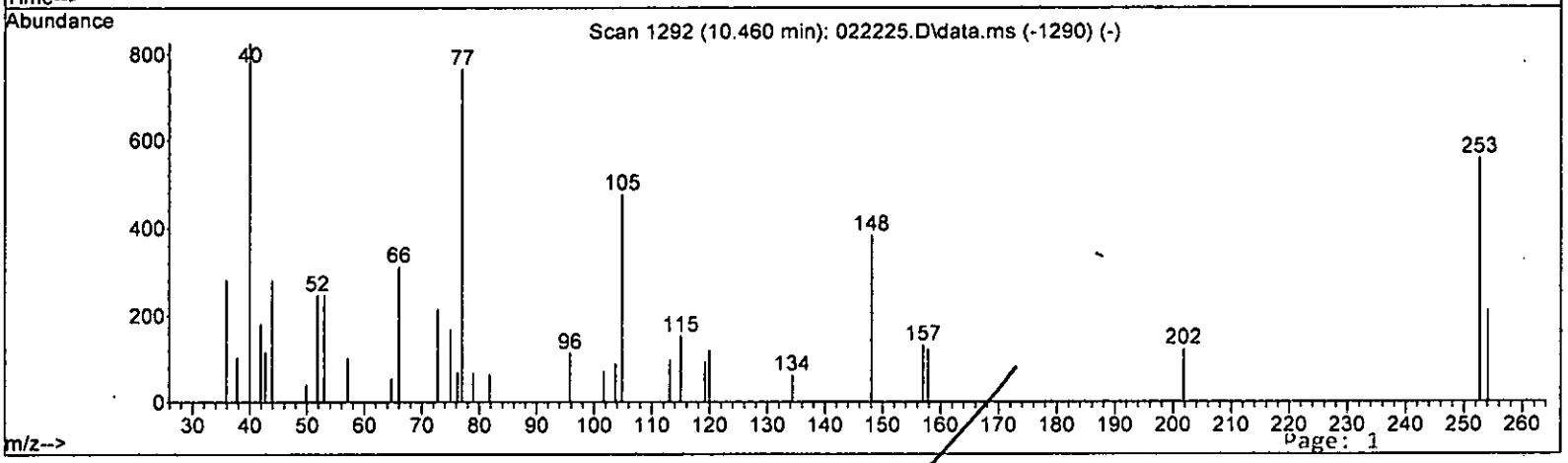
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022225.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.460min (-0.080) 0.063 ppb

response 127

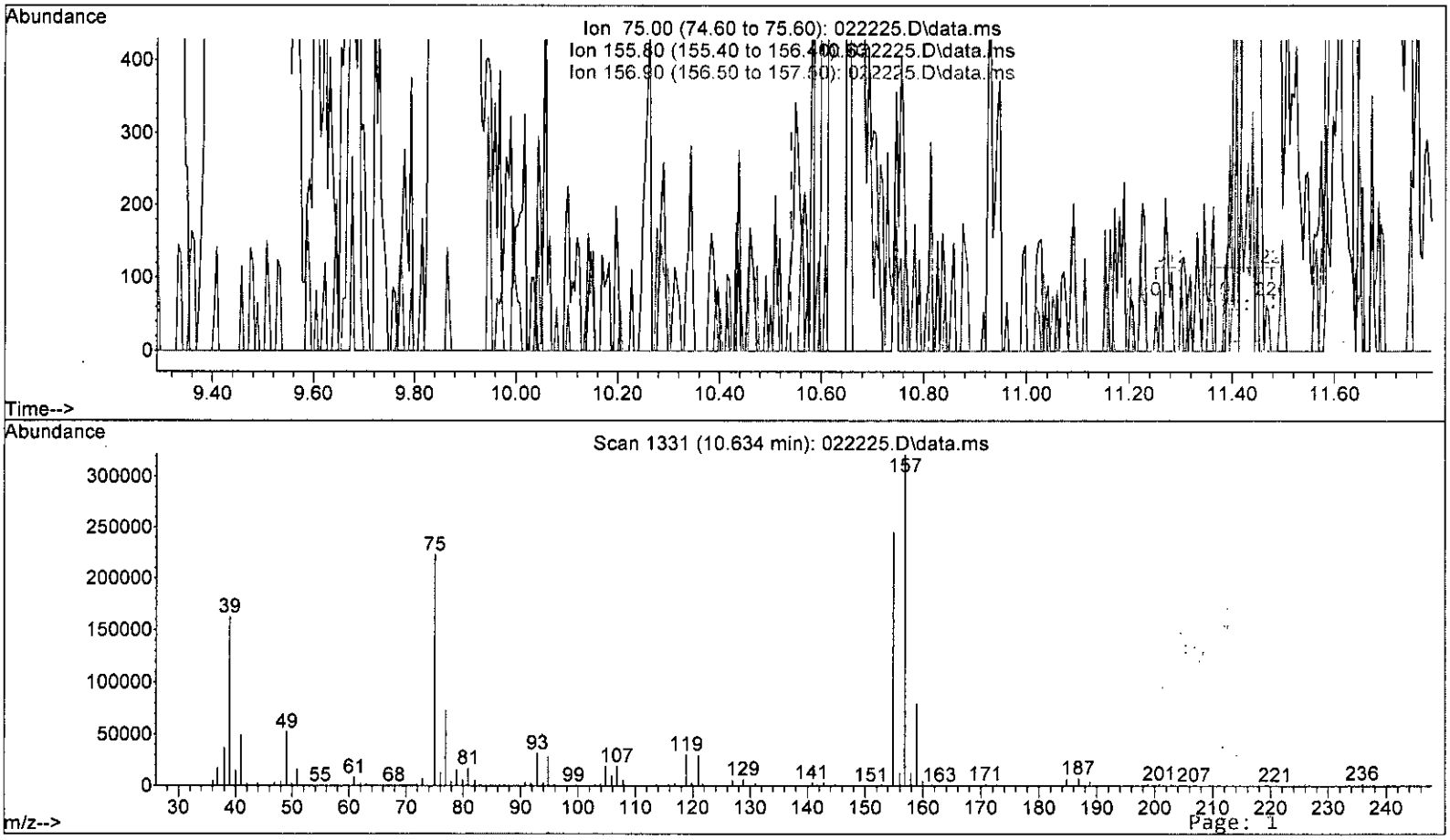
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	79.04
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Page: 1

TIC: 022225.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.634min (+ 0.094) 154.239 ppb m

response 308615

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.41
156.90	93.30	144.48#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	307800	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	242236	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	138126	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	83231	9.717	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.20%			
30) 1,2-Dichloroethane-d4	4.36	102	18744	9.848	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%			
35) Toluene-d8	5.98	98	281664	9.722	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.20%			
57) 4-Bromofluorobenzene	8.38	95	102442	10.237	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	2496118	147.677	ppb	95
5) Chloromethane	1.23	50	3012453	136.994	ppb	99
6] Vinyl chloride	1.30	62	2554241	137.588	ppb	95
7) Bromomethane	1.54	94	1580777	143.404	ppb	91
8] Chloroethane	1.61	64	1261456	147.296	ppb	98
9) Trichlorofluoromethane	1.80	101	3313104	140.370	ppb	96
10) 2-Propanol	2.41	45	4015	No Calib		
11) Acetone	2.26	58	1688085	764.399	ppb	99
12] 1,1-Dichloroethene	2.20	96	1286068	140.837	ppb	86
13) Hexane	3.05	57	1831726	141.592	ppb	98
14) Methylene chloride	2.61	84	1149562	134.000	ppb	87
15) t-Butyl alcohol (TBA)	2.73	59	894464	726.261	ppb	98
16] Methyl t-butyl ether (...	2.84	73	3086626	144.962	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	1172117	148.582	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	4642890	154.097	ppb	98
19] 1,1-Dichloroethane	3.18	63	2306968	142.960	ppb	100
20) Ethyl t-butyl ether (E...	3.55	87	1297085	144.590	ppb	88
21) 2,2-Dichloropropane	3.67	77	1369401	152.635	ppb	93
22] cis-1,2-Dichloroethene	3.67	96	1329432	149.814	ppb	91
23) Chloroform	3.95	83	2125809	146.024	ppb	99
24) 2-Butanone (MEK)	3.70	43	5844779	771.731	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	2894121	144.825	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	1798610	149.217	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	2005331	148.840	ppb	94
28) 1,1-Dichloropropene	4.22	75	1591659	151.432	ppb	93
29) Carbon tetrachloride	4.21	117	1815130	143.824	ppb	96
31] Benzene	4.39	78	4475207	138.673	ppb	96
32] Trichloroethene	4.93	95	1382563	149.725	ppb	92
33) 1,2-Dichloropropane	5.13	63	1259729	138.698	ppb	98
34) Bromodichloromethane	5.37	83	1602675	148.429	ppb	95
36) Dibromomethane	5.23	93	767338	142.027	ppb	92

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

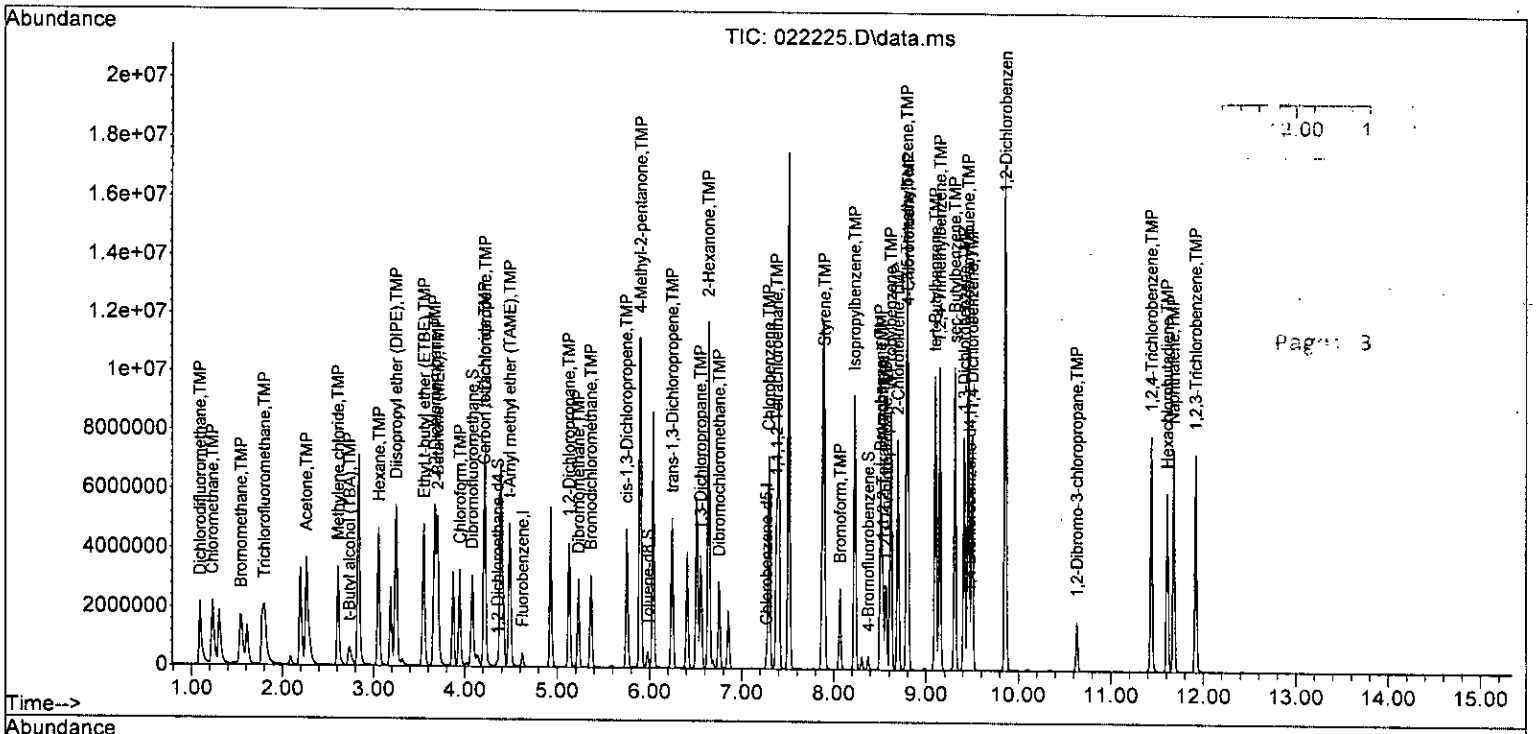
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1058468	701.474	ppb	#	84
38) cis-1,3-Dichloropropene	5.75	75	1869901	149.335	ppb		97
40] Toluene	6.03	92	2932741	140.982	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	1714927	147.589	ppb		95
42] 1,1,2-Trichloroethane	6.40	83	892669	140.553	ppb		100
43) 2-Hexanone	6.64	43	6525224	706.958	ppb		96
44) 1,3-Dichloropropane	6.55	76	1592890	151.941	ppb		100
45] Tetrachloroethene	6.51	164	1360062	139.434	ppb		99
46) Dibromochloromethane	6.75	129	1386451	148.296	ppb		94
47] 1,2-Dibromoethane (EDB)	6.85	107	1195579	145.242	ppb		99
48) Chlorobenzene	7.29	112	3421140	150.025	ppb		95
49] Ethylbenzene	7.40	91	5426200	137.227	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	1321681	151.889	ppb		95
51] m,p-Xylene	7.52	106	4454645	306.247	ppb	#	74
52] o-Xylene	7.88	106	2237924	143.645	ppb	#	71
53) Styrene	7.90	104	3509489	150.236	ppb		100
54) Isopropylbenzene	8.23	105	5348731	149.611	ppb		100
55) Bromoform	8.07	173	1153127	151.244	ppb		90
58) n-Propylbenzene	8.62	91	6066983	151.475	ppb		99
59) Bromobenzene	8.51	156	1733818	150.421	ppb		94
60) 1,3,5-Trimethylbenzene	8.79	105	4604342	156.002	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.53	83	1312362	151.115	ppb		98
62) 1,2,3-Trichloropropane	8.57	75	1020482	145.273	ppb		96
63) 2-Chlorotoluene	8.70	91	3586497	148.859	ppb		96
64) 4-Chlorotoluene	8.81	91	4168013	150.482	ppb		89
65) tert-Butylbenzene	9.10	119	4318169	156.899	ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	4795228	156.410	ppb		96
67) sec-Butylbenzene	9.31	105	6090230	157.343	ppb		98
68) p-Isopropyltoluene	9.46	119	5374315	155.952	ppb		99
69) 1,3-Dichlorobenzene	9.42	146	3039248	148.218	ppb		100
70) 1,4-Dichlorobenzene	9.50	146	2942529	145.123	ppb		97
71) 1,2-Dichlorobenzene	9.86	146	2919528	148.316	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	308615m	154.239	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	2436338	152.437	ppb		98
74) Hexachlorobutadiene	11.61	225	1261967	165.109	ppb		94
75) Naphthalene	11.68	128	5358301	150.015	ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	2287548	156.643	ppb		96

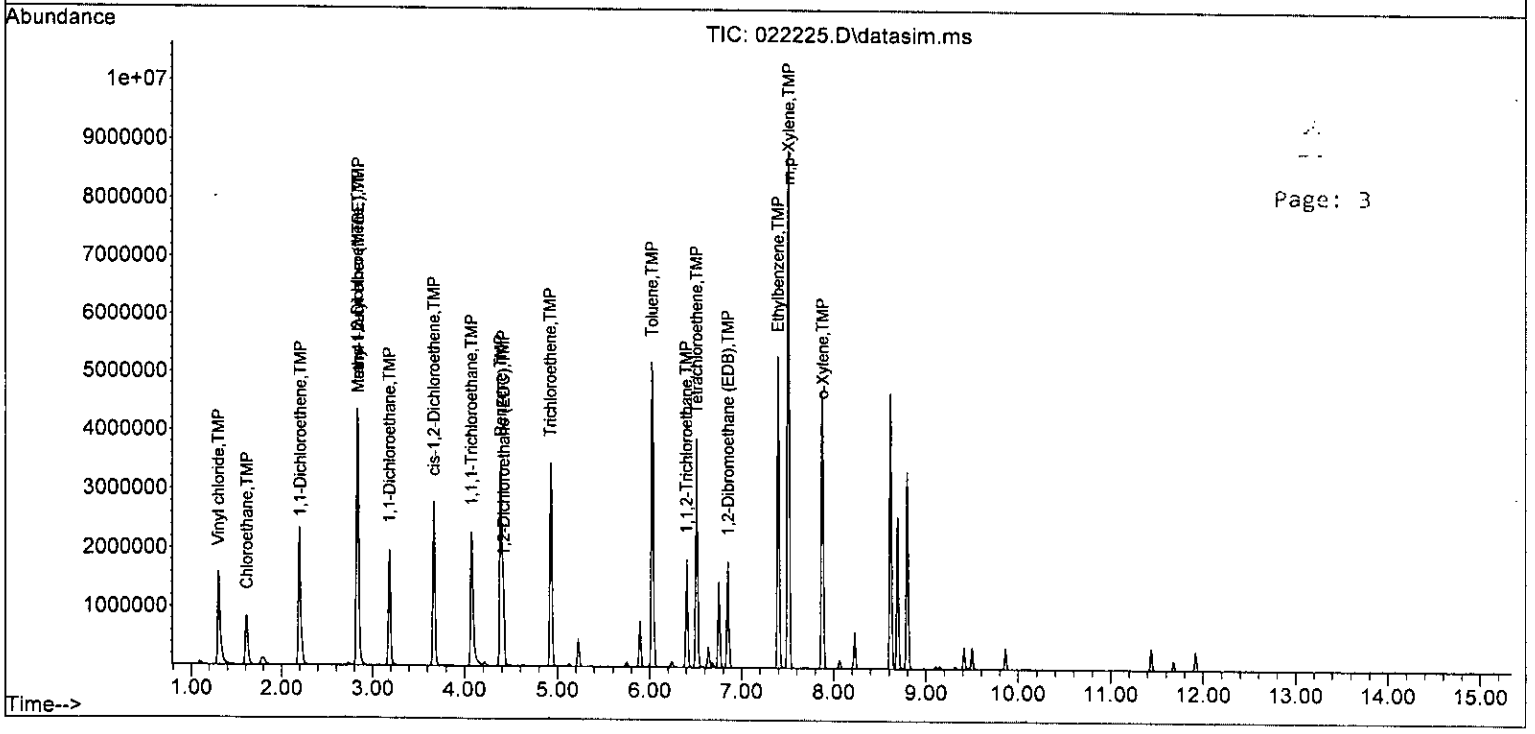
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	9.717	2.8	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	147.677	1.5	100	0.02
5	TMP	Chloromethane	150.000	136.994	8.7	100	0.00
6	TMP	Vinyl chloride	150.000	137.588	8.3	100	0.00
7	TMP	Bromomethane	150.000	143.404	4.4	100	0.00
8	TMP	Chloroethane	150.000	147.296	1.8	100	0.02
9	TMP	Trichlorofluoromethane	150.000	140.370	6.4	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	750.000	764.399	-1.9	100	0.00
12	TMP	1,1-Dichloroethene	150.000	140.837	6.1	100	0.02
13	TMP	Hexane	150.000	141.592	5.6	100	0.00
14	TMP	Methylene chloride	150.000	134.000	10.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	750.000	726.261	3.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	144.962	3.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	148.582	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	154.097	-2.7	100	0.00
19	TMP	1,1-Dichloroethane	150.000	142.960	4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	144.590	3.6	100	0.00
21	TMP	2,2-Dichloropropane	150.000	152.635	-1.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	149.814	0.1	100	0.00
23	TMP	Chloroform	150.000	146.024	2.7	100	0.00
24	TMP	2-Butanone (MEK)	750.000	771.731	-2.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	144.825	3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	149.217	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	148.840	0.8	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.432	-1.0	100	0.00
29	TMP	Carbon tetrachloride	150.000	143.824	4.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.848	1.5	100	0.00
31	TMP	Benzene	150.000	138.673	7.6	100	0.00
32	TMP	Trichloroethene	150.000	149.725	0.2	100	0.00
33	TMP	1,2-Dichloropropane	150.000	138.698	7.5	100	0.00
34	TMP	Bromodichloromethane	150.000	148.429	1.0	100	0.00
35	S	Toluene-d8	10.000	9.722	2.8	100	0.01
36	TMP	Dibromomethane	150.000	142.027	5.3	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	701.474	6.5	100	0.01
38	TMP	cis-1,3-Dichloropropene	150.000	149.335	0.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	140.982	6.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	147.589	1.6	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	140.553	6.3	100	0.00
43	TMP	2-Hexanone	750.000	706.958	5.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	151.941	-1.3	100	0.00
45	TMP	Tetrachloroethene	150.000	139.434	7.0	100	0.00
46	TMP	Dibromochloromethane	150.000	148.296	1.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	145.242	3.2	100	0.00
48	TMP	Chlorobenzene	150.000	150.025	-0.0	100	0.00
49	TMP	Ethylbenzene	150.000	137.227	8.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	151.889	-1.3	100	0.00
51	TMP	m,p-Xylene	300.000	306.247	-2.1	100	0.00
52	TMP	o-Xylene	150.000	143.645	4.2	100	0.00
53	TMP	Styrene	150.000	150.236	-0.2	100	0.00
54	TMP	Isopropylbenzene	150.000	149.611	0.3	100	0.00
55	TMP	Bromoform	150.000	151.244	-0.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.237	-2.4	100	0.00
58	TMP	n-Propylbenzene	150.000	151.475	-1.0	100	0.00
59	TMP	Bromobenzene	150.000	150.421	-0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	156.002	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	151.115	-0.7	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	145.273	3.2	100	0.00
63	TMP	2-Chlorotoluene	150.000	148.859	0.8	100	0.00
64	TMP	4-Chlorotoluene	150.000	150.482	-0.3	100	0.00
65	TMP	tert-Butylbenzene	150.000	156.899	-4.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	156.410	-4.3	100	0.00
67	TMP	sec-Butylbenzene	150.000	157.343	-4.9	100	0.00
68	TMP	p-Isopropyltoluene	150.000	155.952	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	148.218	1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	145.123	3.3	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	148.316	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	154.239	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	150.000	152.437	-1.6	100	0.00
74	TMP	Hexachlorobutadiene	150.000	165.109	-10.1	100	0.00
75	TMP	Naphthalene	150.000	150.015	-0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	156.643	-4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.270	2.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.541	1.5	100	0.02
5	TMP	Chloromethane	0.714	0.652	8.7	100	0.00
6	TMP	Vinyl chloride	0.603	0.553	8.3	100	0.00
7	TMP	Bromomethane	0.358	0.342	4.5	100	0.00
8	TMP	Chloroethane	0.278	0.273	1.8	100	0.02
9	TMP	Trichlorofluoromethane	0.767	0.718	6.4	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.073	-1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.279	6.1	100	0.02
13	TMP	Hexane	0.420	0.397	5.5	100	0.00
14	TMP	Methylene chloride	0.279	0.249	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.039	2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.669	3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.254	11.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	1.006	-2.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.500	4.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.281	3.4	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.297	10.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.288	8.0	100	0.00
23	TMP	Chloroform	0.473	0.460	2.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.253	-2.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.627	3.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.390	11.8	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.434	0.9	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.345	-1.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.393	4.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31	TMP	Benzene	1.048	0.969	7.5	100	0.00
32	TMP	Trichloroethene	0.329	0.299	9.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.273	7.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.347	1.1	100	0.00
35	S	Toluene-d8	0.941	0.915	2.8	100	0.01
36	TMP	Dibromomethane	0.176	0.166	5.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.405	0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.807	6.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.472	1.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.246	6.1	100	0.00
43	TMP	2-Hexanone	0.381	0.359	5.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

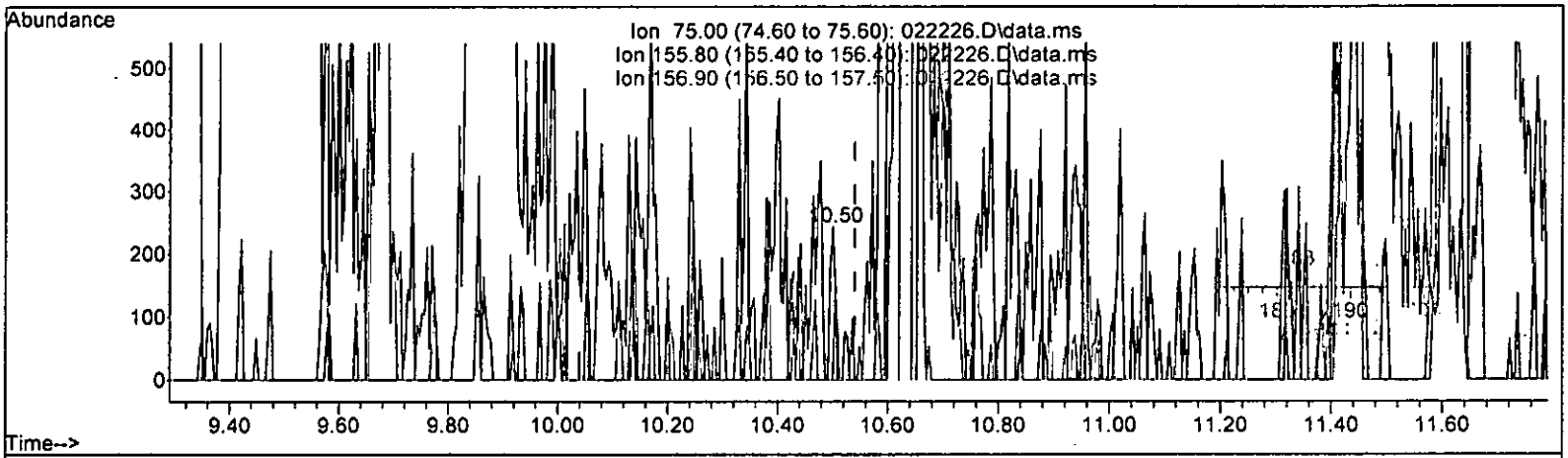
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.438	-1.2	100	0.00
45	TMP	Tetrachloroethene	0.403	0.374	7.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.382	1.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.329	3.2	100	0.00
48	TMP	Chlorobenzene	0.941	0.942	-0.1	100	0.00
49	TMP	Ethylbenzene	1.632	1.493	8.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.364	4.2	100	0.00
51	TMP	m,p-Xylene	0.656	0.613	6.6	100	0.00
52	TMP	o-Xylene	0.643	0.616	4.2	100	0.00
53	TMP	Styrene	0.964	0.966	-0.2	100	0.00
54	TMP	Isopropylbenzene	1.476	1.472	0.3	100	0.00
55	TMP	Bromoform	0.315	0.317	-0.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.742	-2.5	100	0.00
58	TMP	n-Propylbenzene	2.900	2.928	-1.0	100	0.00
59	TMP	Bromobenzene	0.834	0.837	-0.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.222	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.633	5.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.493#	3.1	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.731	0.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.012	-0.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.084	-4.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.314	-4.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.939	-4.9	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.594	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.467	1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.420	3.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.409	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.176	-1.6	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.609	-10.1	100	0.00
75	TMP	Naphthalene	2.586	2.586	0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.104	-4.4	100	0.00

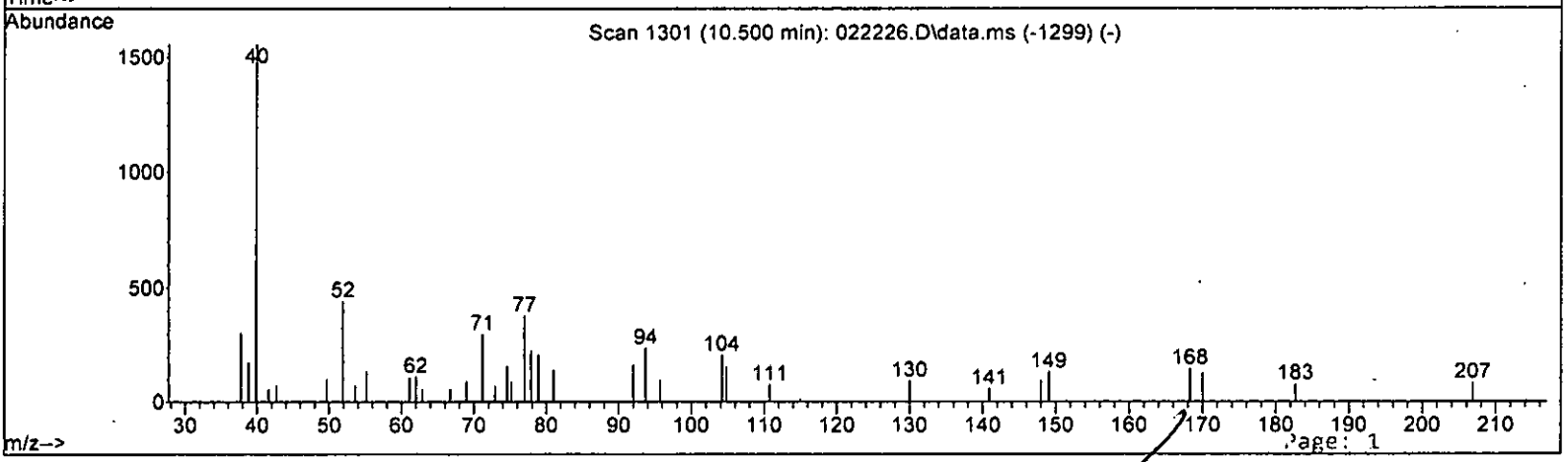
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022226.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.500min (-0.040) 0.075 ppb

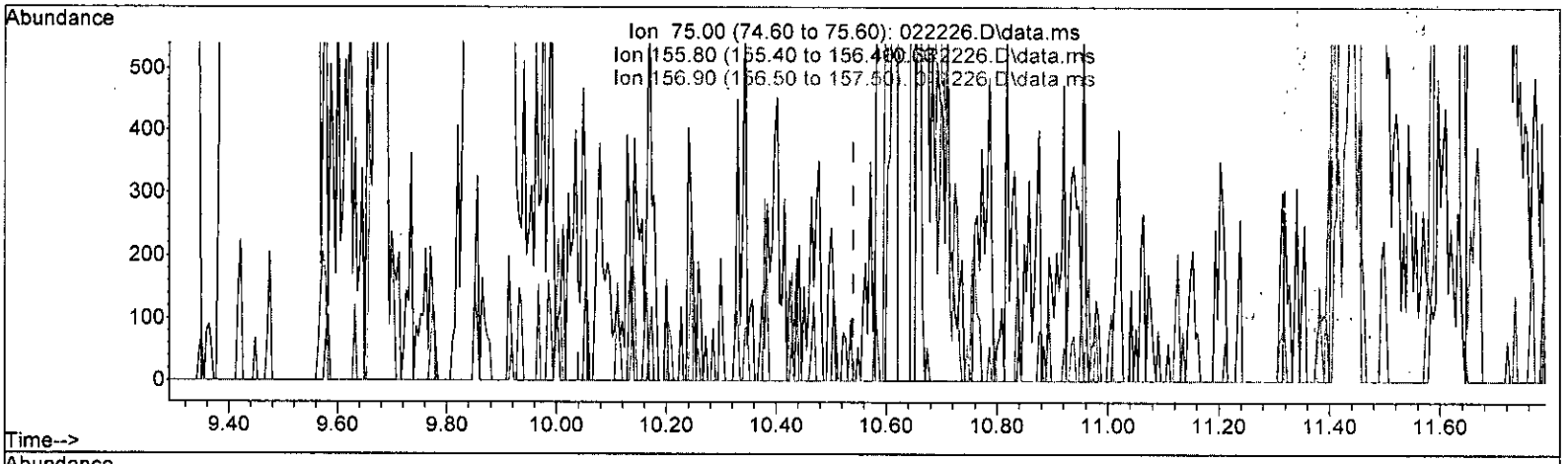
response 155

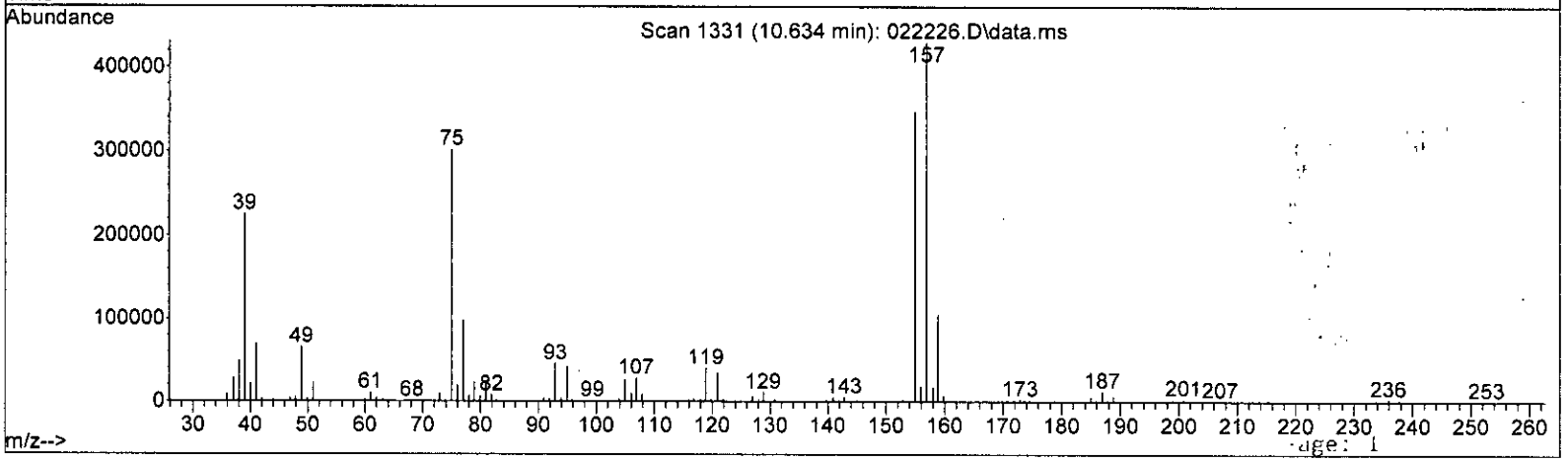
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022226.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.634min (+ 0.094) 199.288 ppb m

response 411653

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.86
156.90	93.30	142.78#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	308112	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	242097	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	142594	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	82781	9.655 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%		
30) 1,2-Dichloroethane-d4	4.36	102	17784	9.335 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.30%		
35) Toluene-d8	5.98	98	288831	9.959 ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.60%		
57) 4-Bromofluorobenzene	8.38	95	104648	10.130 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.30%		
Target Compounds					Qvalue
2) Ethanol	1.90	45	132	No Calib #	
4) Dichlorodifluoromethane	1.09	85	3141738	185.685 ppb	96
5) Chloromethane	1.23	50	3900360	177.193 ppb	96
6] Vinyl chloride	1.30	62	3304910	177.843 ppb	95
7) Bromomethane	1.54	94	2056185	186.343 ppb	94
8] Chloroethane	1.60	64	1650307	192.506 ppb	98
9) Trichlorofluoromethane	1.79	101	4309674	182.408 ppb	92
10) 2-Propanol	2.41	45	4081	No Calib	
11) Acetone	2.26	58	2302176	1041.416 ppb	95
12] 1,1-Dichloroethene	2.20	96	1690139	184.900 ppb	86
13) Hexane	3.05	57	2416182	186.581 ppb	98
14) Methylene chloride	2.61	84	1531789	178.374 ppb	86
15) t-Butyl alcohol (TBA)	2.73	59	1221268	990.605 ppb	99
16] Methyl t-butyl ether (...	2.84	73	4091907	191.980 ppb	99
17] trans-1,2-Dichloroethene	2.83	96	1547743	196.004 ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	5805408	192.486 ppb	96
19] 1,1-Dichloroethane	3.18	63	3035415	187.911 ppb	100
20) Ethyl t-butyl ether (E...	3.55	87	1721457	191.701 ppb	89
21) 2,2-Dichloropropane	3.67	77	1760075	196.027 ppb	93
22] cis-1,2-Dichloroethene	3.67	96	1743701	196.303 ppb	93
23) Chloroform	3.95	83	2805121	192.492 ppb	96
24) 2-Butanone (MEK)	3.70	43	7804607	1029.458 ppb	98
25) t-Amyl methyl ether (T...	4.49	73	3800674	189.998 ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	2368675	199.976 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	2604185	193.093 ppb	94
28) 1,1-Dichloropropene	4.22	75	2097497	199.356 ppb	93
29) Carbon tetrachloride	4.22	117	2401095	190.061 ppb	98
31] Benzene	4.39	78	5879211	181.995 ppb	97
32] Trichloroethene	4.93	95	1819777	196.878 ppb	90
33) 1,2-Dichloropropane	5.13	63	1679259	184.702 ppb	99
34) Bromodichloromethane	5.37	83	2147636	198.698 ppb	97
36) Dibromomethane	5.23	93	1016567	187.966 ppb	93

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

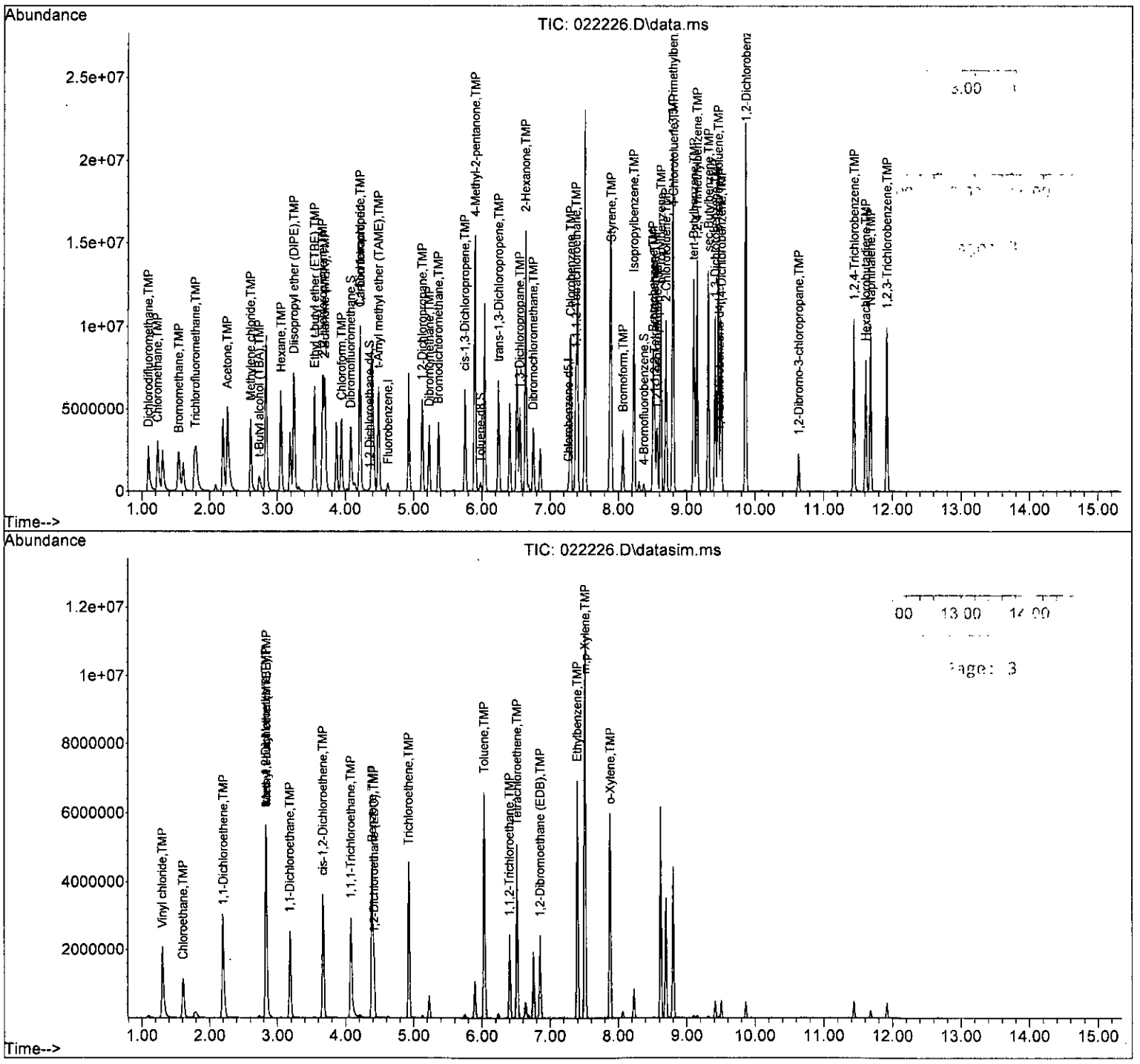
Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1418373	939.040 ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	2525599	201.497 ppb		96
40] Toluene	6.03	92	3879049	186.579 ppb		99
41) trans-1,3-Dichloropropene	6.25	75	2314353	199.291 ppb		97
42] 1,1,2-Trichloroethane	6.40	83	1194333	188.158 ppb		99
43) 2-Hexanone	6.64	43	8711060	944.318 ppb		95
44) 1,3-Dichloropropane	6.55	76	2139139	204.163 ppb		98
45] Tetrachloroethene	6.51	164	1795850	184.217 ppb		99
46) Dibromochloromethane	6.75	129	1847157	197.687 ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	1595189	193.899 ppb		98
48) Chlorobenzene	7.30	112	4519617	198.310 ppb		95
49] Ethylbenzene	7.40	91	7175710	181.575 ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	1731776	199.154 ppb		97
51] m,p-Xylene	7.52	106	5911055	406.615 ppb	#	75
52] o-Xylene	7.88	106	2958828	190.027 ppb	#	73
53) Styrene	7.90	104	4723559	202.325 ppb		99
54) Isopropylbenzene	8.23	105	6976206	195.246 ppb		99
55) Bromoform	8.07	173	1528008	200.529 ppb		91
58) n-Propylbenzene	8.63	91	7968504	192.717 ppb		97
59) Bromobenzene	8.51	156	2312462	194.336 ppb		94
60) 1,3,5-Trimethylbenzene	8.80	105	6028636	197.858 ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	1769527	197.398 ppb		98
62) 1,2,3-Trichloropropane	8.57	75	1357353	187.174 ppb		96
63) 2-Chlorotoluene	8.70	91	4747509	190.873 ppb		94
64) 4-Chlorotoluene	8.81	91	5562427	194.533 ppb		88
65) tert-Butylbenzene	9.10	119	5671829	199.627 ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	6326287	199.885 ppb		97
67) sec-Butylbenzene	9.32	105	7999897	200.204 ppb		95
68) p-Isopropyltoluene	9.46	119	7009195	197.021 ppb		98
69) 1,3-Dichlorobenzene	9.42	146	4008657	189.368 ppb		99
70) 1,4-Dichlorobenzene	9.51	146	3907771	186.689 ppb		96
71) 1,2-Dichlorobenzene	9.86	146	3891403	191.494 ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	411653m	199.288 ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	3216221	194.928 ppb		99
74) Hexachlorobutadiene	11.61	225	1641545	208.041 ppb		96
75) Naphthalene	11.68	128	7084059	192.116 ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	3002206	199.138 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.03
3	S	Dibromofluoromethane	10.000	9.655	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	185.685	7.2	100	0.02
5	TMP	Chloromethane	200.000	177.193	11.4	100	0.00
6	TMP	Vinyl chloride	200.000	177.843	11.1	100	0.00
7	TMP	Bromomethane	200.000	186.343	6.8	100	0.00
8	TMP	Chloroethane	200.000	192.506	3.7	100	0.00
9	TMP	Trichlorofluoromethane	200.000	182.408	8.8	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	1000.000	1041.416	-4.1	100	0.00
12	TMP	1,1-Dichloroethene	200.000	184.900	7.5	100	0.02
13	TMP	Hexane	200.000	186.581	6.7	100	0.00
14	TMP	Methylene chloride	200.000	178.374	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	990.605	0.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	200.000	191.980	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	196.004	2.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	192.486	3.8	100	0.00
19	TMP	1,1-Dichloroethane	200.000	187.911	6.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	191.701	4.1	100	0.00
21	TMP	2,2-Dichloropropane	200.000	196.027	2.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	196.303	1.8	100	0.00
23	TMP	Chloroform	200.000	192.492	3.8	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	1029.458	-2.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	189.998	5.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	199.976	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	193.093	3.5	100	0.00
28	TMP	1,1-Dichloropropene	200.000	199.356	0.3	100	0.00
29	TMP	Carbon tetrachloride	200.000	190.061	5.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.335	6.6	100	0.00
31	TMP	Benzene	200.000	181.995	9.0	100	0.00
32	TMP	Trichloroethene	200.000	196.878	1.6	100	0.00
33	TMP	1,2-Dichloropropane	200.000	184.702	7.6	100	0.00
34	TMP	Bromodichloromethane	200.000	198.698	0.7	100	0.00
35	S	Toluene-d8	10.000	9.959	0.4	100	0.01
36	TMP	Dibromomethane	200.000	187.966	6.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	939.040	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	200.000	201.497	-0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	186.579	6.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	199.291	0.4	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	188.158	5.9	100	0.00
43	TMP	2-Hexanone	1000.000	944.318	5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	204.163	-2.1	100	0.00
45	TMP	Tetrachloroethene	200.000	184.217	7.9	100	0.00
46	TMP	Dibromochloromethane	200.000	197.687	1.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	193.899	3.1	100	0.00
48	TMP	Chlorobenzene	200.000	198.310	0.8	100	0.00
49	TMP	Ethylbenzene	200.000	181.575	9.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	199.154	0.4	100	0.00
51	TMP	m,p-Xylene	400.000	406.615	-1.7	100	0.00
52	TMP	o-Xylene	200.000	190.027	5.0	100	0.00
53	TMP	Styrene	200.000	202.325	-1.2	100	0.00
54	TMP	Isopropylbenzene	200.000	195.246	2.4	100	0.00
55	TMP	Bromoform	200.000	200.529	-0.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.130	-1.3	100	0.00
58	TMP	n-Propylbenzene	200.000	192.717	3.6	100	0.00
59	TMP	Bromobenzene	200.000	194.336	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	197.858	1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	197.398	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	187.174	6.4	100	0.00
63	TMP	2-Chlorotoluene	200.000	190.873	4.6	100	0.00
64	TMP	4-Chlorotoluene	200.000	194.533	2.7	100	0.00
65	TMP	tert-Butylbenzene	200.000	199.627	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	199.885	0.1	100	0.00
67	TMP	sec-Butylbenzene	200.000	200.204	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	200.000	197.021	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	189.368	5.3	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	186.689	6.7	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	191.494	4.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	199.288	0.4	101	0.09
73	TMP	1,2,4-Trichlorobenzene	200.000	194.928	2.5	100	0.00
74	TMP	Hexachlorobutadiene	200.000	208.041	-4.0	100	0.00
75	TMP	Naphthalene	200.000	192.116	3.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	199.138	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.03
3	S	Dibromofluoromethane	0.278	0.269	3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.510	7.1	100	0.02
5	TMP	Chloromethane	0.714	0.633	11.3	100	0.00
6	TMP	Vinyl chloride	0.603	0.536	11.1	100	0.00
7	TMP	Bromomethane	0.358	0.334	6.7	100	0.00
8	TMP	Chloroethane	0.278	0.268	3.6	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.699	8.9	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.075	-4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.274	7.7	100	0.02
13	TMP	Hexane	0.420	0.392	6.7	100	0.00
14	TMP	Methylene chloride	0.279	0.249	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.040	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.664	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.251	12.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.942	3.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.493	5.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.279	4.1	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.286	13.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.283	9.6	100	0.00
23	TMP	Chloroform	0.473	0.455	3.8	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.253	-2.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.617	4.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.384	13.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.423	3.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.340	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.390	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	1.048	0.954	9.0	100	0.00
32	TMP	Trichloroethene	0.329	0.295	10.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.273	7.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.349	0.6	100	0.00
35	S	Toluene-d8	0.941	0.937	0.4	100	0.01
36	TMP	Dibromomethane	0.176	0.165	6.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.410	-0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.801	6.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.478	0.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.247	5.7	100	0.00
43	TMP	2-Hexanone	0.381	0.360	5.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.442	-2.1	100	0.00
45	TMP	Tetrachloroethene	0.403	0.371	7.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.381	1.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.329	3.2	100	0.00
48	TMP	Chlorobenzene	0.941	0.933	0.9	100	0.00
49	TMP	Ethylbenzene	1.632	1.482	9.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.358	5.8	100	0.00
51	TMP	m,p-Xylene	0.656	0.610	7.0	100	0.00
52	TMP	o-Xylene	0.643	0.611	5.0	100	0.00
53	TMP	Styrene	0.964	0.976	-1.2	100	0.00
54	TMP	Isopropylbenzene	1.476	1.441	2.4	100	0.00
55	TMP	Bromoform	0.315	0.316	-0.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.734	-1.4	100	0.00
58	TMP	n-Propylbenzene	2.900	2.794	3.7	100	0.00
59	TMP	Bromobenzene	0.834	0.811	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.114	1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.620	7.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.476#	6.5	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.665	4.5	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.950	2.7	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.989	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.218	0.1	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.805	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.458	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.406	5.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.370	6.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.365	4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.144	0.7	101	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.128	2.5	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.576	-4.2	100	0.00
75	TMP	Naphthalene	2.586	2.484	3.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.053	0.4	100	0.00

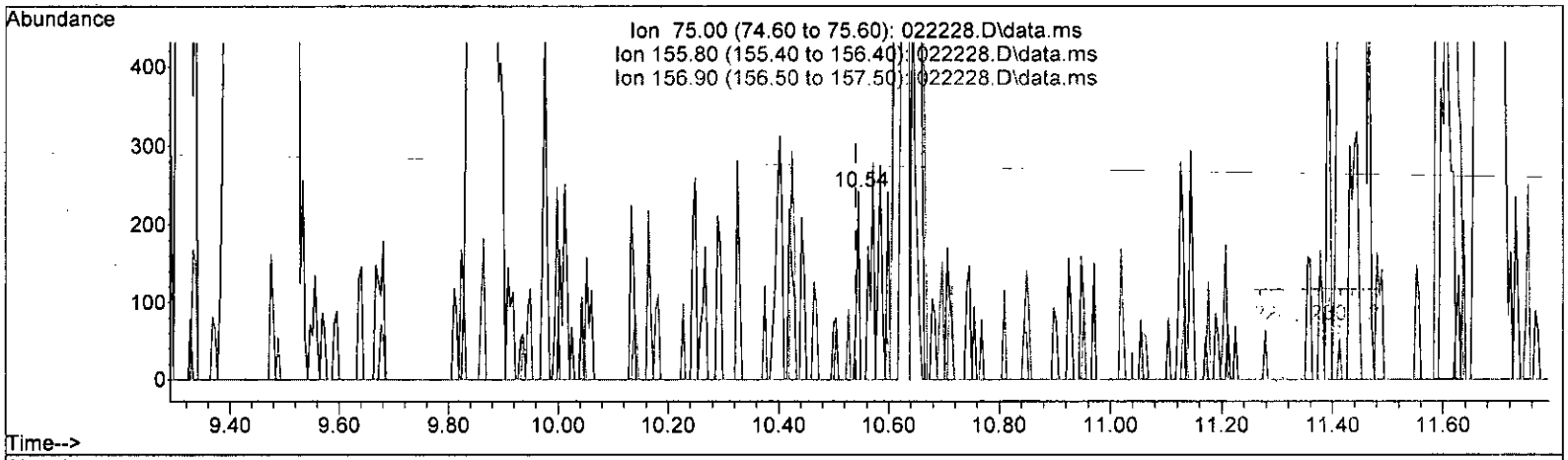
(#) = Out of Range SPCC's out = 2 CCC's out = 0

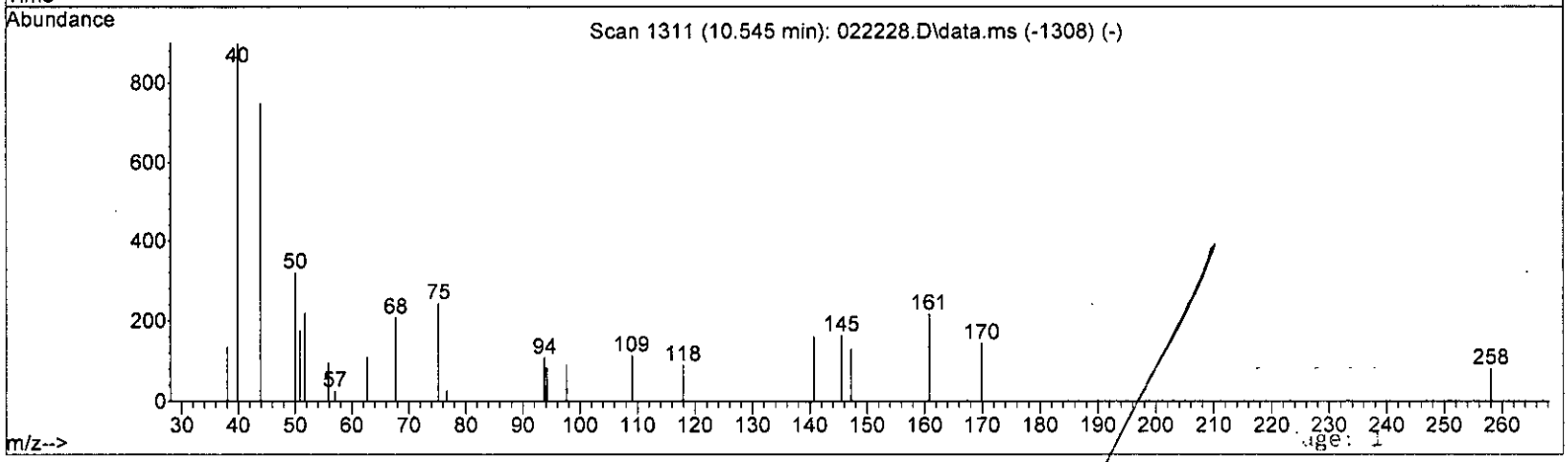
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022228.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.545min (+ 0.005) 0.042 ppb
response 82

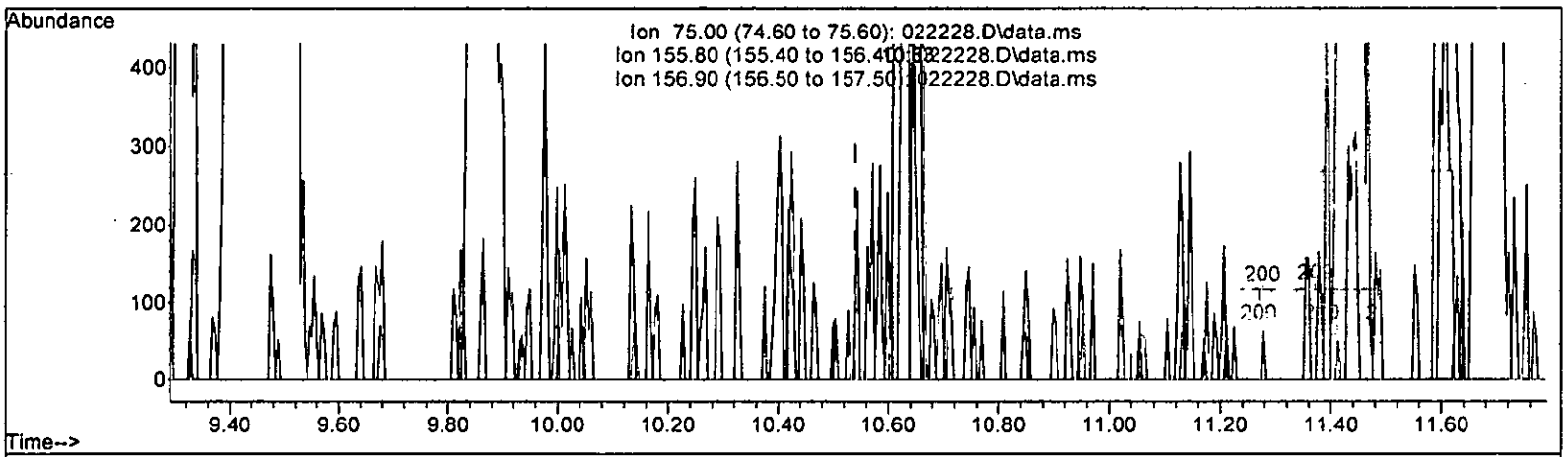
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155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

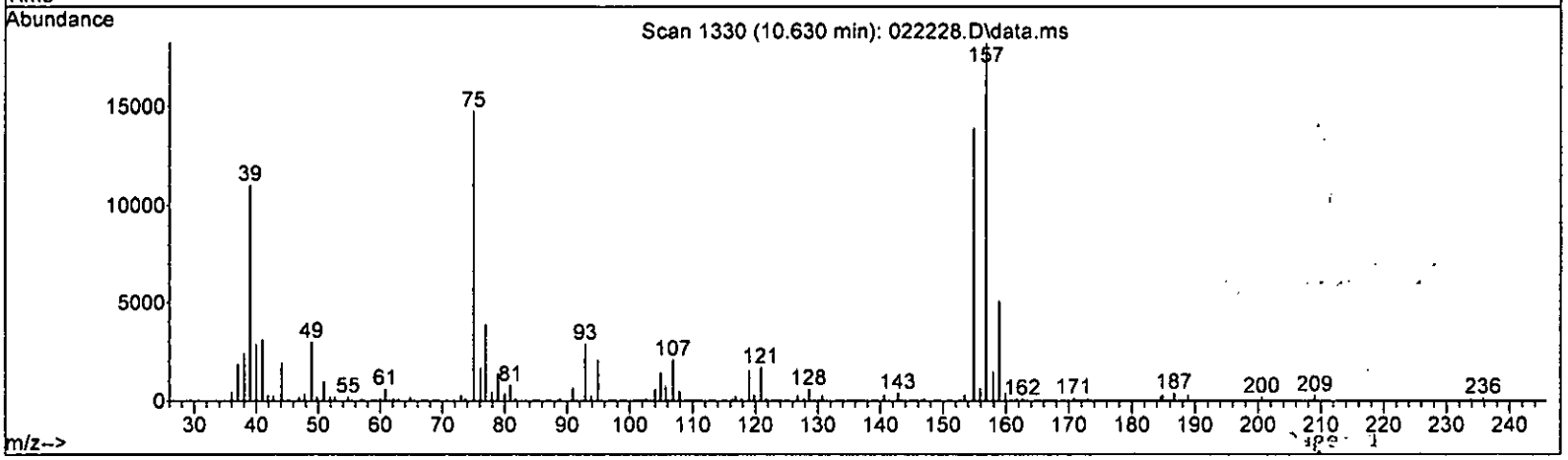
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022228.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.630min (+ 0.090) 10.396 ppb m
response 20058

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	4.15
156.90	93.30	123.37#
0.00	0.00	0.00

m2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	302202	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	237061	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	133194	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	84921	10.098	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.00%			
30) 1,2-Dichloroethane-d4	4.35	102	16639	8.904	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 89.00%			
35) Toluene-d8	5.98	98	273108	9.601	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 96.00%			
57) 4-Bromofluorobenzene	8.38	95	97712	10.126	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.30%			
Target Compounds						Qvalue
2) Ethanol	1.86	45	550	No Calib		
4) Dichlorodifluoromethane	1.09	85	197453	11.898	ppb	92
5) Chloromethane	1.23	50	224090	10.379	ppb	97
6] Vinyl chloride	1.30	62	187627	10.294	ppb	94
7) Bromomethane	1.53	94	122734	11.340	ppb	95
8] Chloroethane	1.60	64	88323	10.504	ppb	98
9) Trichlorofluoromethane	1.78	101	227616	9.822	ppb	86
10) 2-Propanol	2.42	45	3319	No Calib		
11) Acetone	2.27	58	113645	52.414	ppb	95
12] 1,1-Dichloroethene	2.19	96	86822	9.684	ppb	94
13) Hexane	3.05	57	116678	9.186	ppb	95
14) Methylene chloride	2.61	84	84426	10.024	ppb	88
15) t-Butyl alcohol (TBA)	2.74	59	59625	49.309	ppb	97
16] Methyl t-butyl ether (...	2.84	73	210293	10.059	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	81388	10.491	ppb	98
18) Diisopropyl ether (DIPE)	3.24	45	286485	9.685	ppb	96
19] 1,1-Dichloroethane	3.18	63	156639	9.887	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	87026	9.881	ppb	89
21) 2,2-Dichloropropane	3.67	77	88154	9.854	ppb	100
22] cis-1,2-Dichloroethene	3.67	96	90062	10.325	ppb	90
23) Chloroform	3.94	83	139424	9.755	ppb	93
24) 2-Butanone (MEK)	3.70	43	380211	51.132	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	191080	9.739	ppb	96
26] 1,2-Dichloroethane (EDC)	4.41	62	122800	9.857	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	131371	9.931	ppb	93
28) 1,1-Dichloropropene	4.22	75	106524	10.323	ppb	94
29) Carbon tetrachloride	4.21	117	118196	9.539	ppb	92
31] Benzene	4.38	78	307943	9.719	ppb	97
32] Trichloroethene	4.93	95	94357	10.394	ppb	95
33) 1,2-Dichloropropane	5.13	63	81414	9.130	ppb	98
34) Bromodichloromethane	5.37	83	107289	10.120	ppb	91
36) Dibromomethane	5.23	93	50570	9.533	ppb	90

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

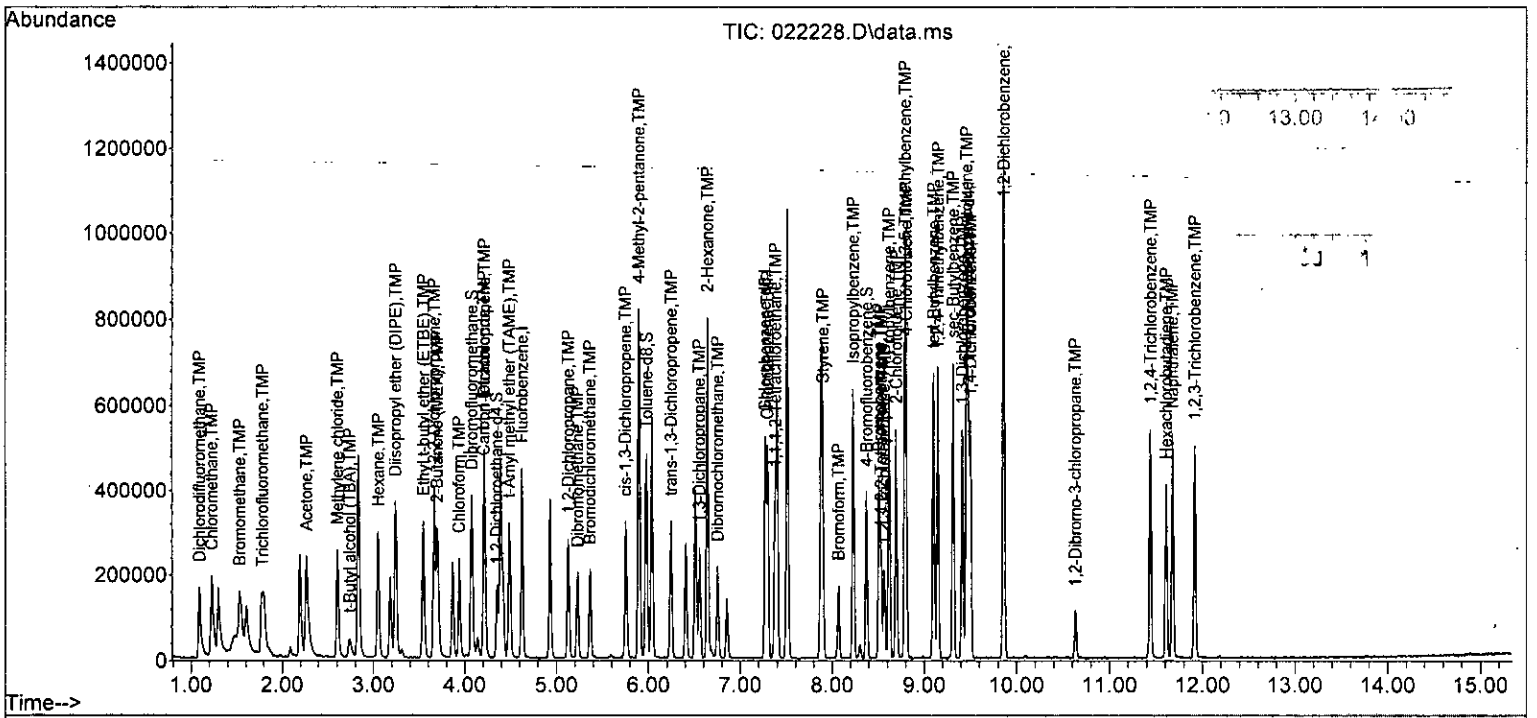
Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

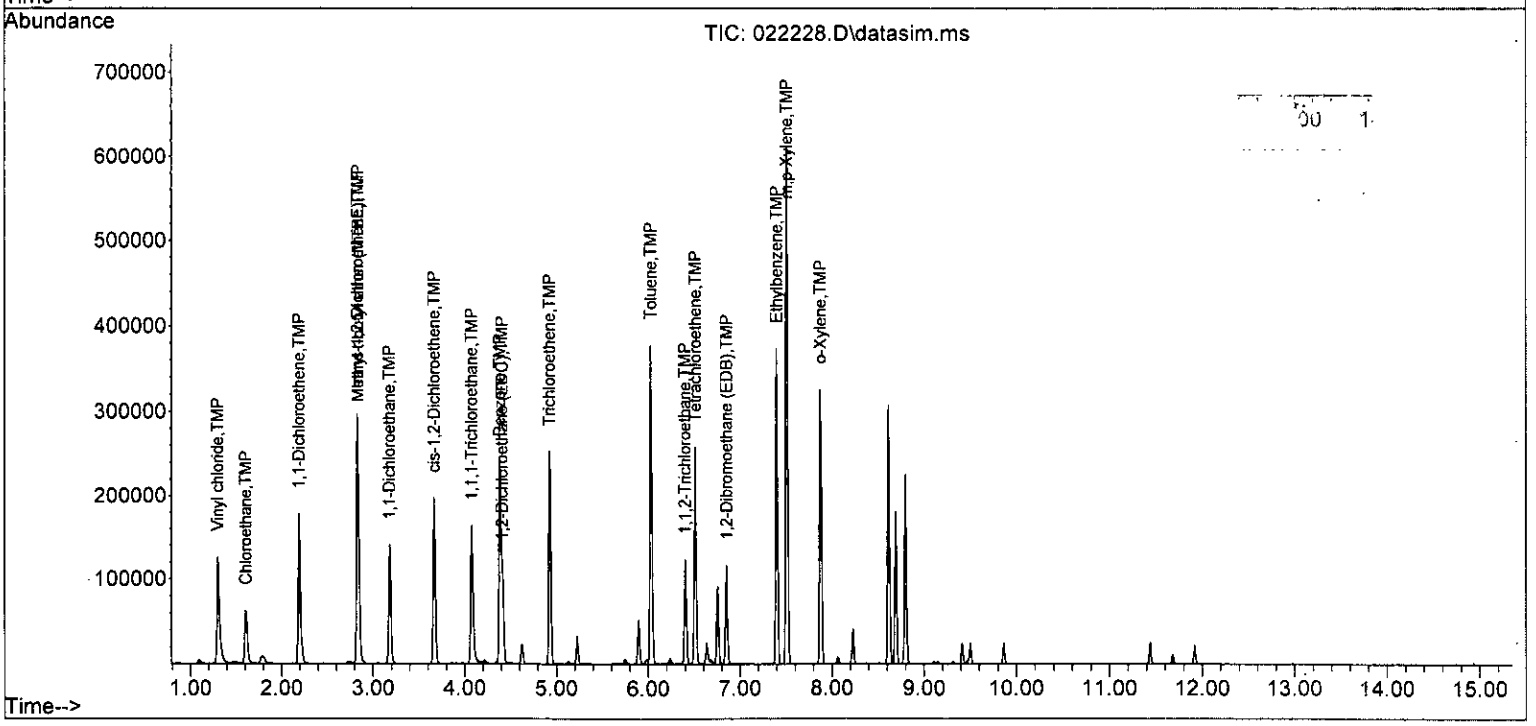
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	72893	49.203	ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	121434	9.878	ppb		96
40] Toluene	6.03	92	196083	9.632	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	107954	9.493	ppb		96
42] 1,1,2-Trichloroethane	6.40	83	58710	9.446	ppb		99
43) 2-Hexanone	6.64	43	457138	50.609	ppb		99
44) 1,3-Dichloropropane	6.55	76	105406	10.274	ppb		99
45] Tetrachloroethene	6.51	164	90181	9.447	ppb		99
46) Dibromochloromethane	6.75	129	94367	10.314	ppb		100
47] 1,2-Dibromoethane (EDB)	6.85	107	79959	9.926	ppb		98
48) Chlorobenzene	7.29	112	219739	9.846	ppb		99
49] Ethylbenzene	7.40	91	366876	9.481	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.38	131	83345	9.719	ppb		95
51] m,p-Xylene	7.51	106	288726	20.257	ppb		98
52] o-Xylene	7.88	106	147299	9.661	ppb		97
53) Styrene	7.90	104	219037	9.581	ppb		92
54) Isopropylbenzene	8.23	105	353228	10.096	ppb		99
55) Bromoform	8.07	173	68404	9.168	ppb		97
58) n-Propylbenzene	8.62	91	405262	10.493	ppb		99
59) Bromobenzene	8.51	156	111085	9.994	ppb		91
60) 1,3,5-Trimethylbenzene	8.79	105	301209	10.583	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.53	83	89573	10.616	ppb		96
62) 1,2,3-Trichloropropane	8.56	75	68915	10.174	ppb		94
63) 2-Chlorotoluene	8.70	91	239224	10.297	ppb		93
64) 4-Chlorotoluene	8.81	91	268823	10.065	ppb		86
65) tert-Butylbenzene	9.10	119	283592	10.686	ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	312820	10.581	ppb		96
67) sec-Butylbenzene	9.31	105	401966	10.769	ppb		100
68) p-Isopropyltoluene	9.46	119	360118	10.837	ppb		99
69) 1,3-Dichlorobenzene	9.41	146	205107	10.373	ppb		99
70) 1,4-Dichlorobenzene	9.50	146	198999	10.178	ppb		99
71) 1,2-Dichlorobenzene	9.86	146	202644	10.676	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	20058m	10.396	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	165566	10.743	ppb		97
74) Hexachlorobutadiene	11.61	225	85428	11.591	ppb		93
75) Naphthalene	11.68	128	363351	10.549	ppb		98
76) 1,2,3-Trichlorobenzene	11.92	180	153864	10.926	ppb		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	103	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.098	-1.0	99	0.00
4	TMP	Dichlorodifluoromethane	10.000	11.898	-19.0	115	0.02
5	TMP	Chloromethane	10.000	10.379	-3.8	103	0.00
6	TMP	Vinyl chloride	10.000	10.294	-2.9	105	0.00
7	TMP	Bromomethane	10.000	11.340	-13.4	117	0.00
8	TMP	Chloroethane	10.000	10.504	-5.0	102	0.00
9	TMP	Trichlorofluoromethane	10.000	9.822	1.8	104	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	50.000	52.414	-4.8	110	0.00
12	TMP	1,1-Dichloroethene	10.000	9.684	3.2	101	0.00
13	TMP	Hexane	10.000	9.186	8.1	95	0.00
14	TMP	Methylene chloride	10.000	10.024	-0.2	112	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	49.309	1.4	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.059	-0.6	99	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.491	-4.9	102	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.685	3.1	99	0.00
19	TMP	1,1-Dichloroethane	10.000	9.887	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.881	1.2	103	0.00
21	TMP	2,2-Dichloropropane	10.000	9.854	1.5	92	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.325	-3.2	98	0.00
23	TMP	Chloroform	10.000	9.755	2.4	98	0.00
24	TMP	2-Butanone (MEK)	50.000	51.132	-2.3	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.739	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.857	1.4	98	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.931	0.7	98	0.00
28	TMP	1,1-Dichloropropene	10.000	10.323	-3.2	106	0.00
29	TMP	Carbon tetrachloride	10.000	9.539	4.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	8.904	11.0	96	0.00
31	TMP	Benzene	10.000	9.719	2.8	100	0.00
32	TMP	Trichloroethene	10.000	10.394	-3.9	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.130	8.7	99	0.00
34	TMP	Bromodichloromethane	10.000	10.120	-1.2	105	0.00
35	S	Toluene-d8	10.000	9.601	4.0	94	0.01
36	TMP	Dibromomethane	10.000	9.533	4.7	98	0.00
37	TMP	4-Methyl-2-pentanone	50.000	49.203	1.6	98	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.878	1.2	101	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	97	0.00
40	TMP	Toluene	10.000	9.632	3.7	99	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.493	5.1	94	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.446	5.5	98	0.00
43	TMP	2-Hexanone	50.000	50.609	-1.2	98	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
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Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.274	-2.7	103	0.00
45	TMP	Tetrachloroethene	10.000	9.447	5.5	97	0.00
46	TMP	Dibromochloromethane	10.000	10.314	-3.1	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.926	0.7	99	0.00
48	TMP	Chlorobenzene	10.000	9.846	1.5	96	0.00
49	TMP	Ethylbenzene	10.000	9.481	5.2	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.719	2.8	95	0.00
51	TMP	m,p-Xylene	20.000	20.257	-1.3	100	0.00
52	TMP	o-Xylene	10.000	9.661	3.4	100	0.00
53	TMP	Styrene	10.000	9.581	4.2	97	0.00
54	TMP	Isopropylbenzene	10.000	10.096	-1.0	98	0.00
55	TMP	Bromoform	10.000	9.168	8.3	95	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	94	0.00
57	S	4-Bromofluorobenzene	10.000	10.126	-1.3	98	0.00
58	TMP	n-Propylbenzene	10.000	10.493	-4.9	99	0.00
59	TMP	Bromobenzene	10.000	9.994	0.1	98	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.583	-5.8	99	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.616	-6.2	108	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.174	-1.7	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.297	-3.0	99	0.00
64	TMP	4-Chlorotoluene	10.000	10.065	-0.6	98	0.00
65	TMP	tert-Butylbenzene	10.000	10.686	-6.9	101	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.581	-5.8	101	0.00
67	TMP	sec-Butylbenzene	10.000	10.769	-7.7	101	0.00
68	TMP	p-Isopropyltoluene	10.000	10.837	-8.4	103	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.373	-3.7	98	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.178	-1.8	97	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.676	-6.8	104	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.396	-4.0	101	0.09
73	TMP	1,2,4-Trichlorobenzene	10.000	10.743	-7.4	105	0.00
74	TMP	Hexachlorobutadiene	10.000	11.591	-15.9	103	0.00
75	TMP	Naphthalene	10.000	10.549	-5.5	102	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.926	-9.3	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.281	-1.1	99	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.653	-18.9	115	0.02
5	TMP	Chloromethane	0.714	0.742	-3.9	103	0.00
6	TMP	Vinyl chloride	0.603	0.621	-3.0	105	0.00
7	TMP	Bromomethane	0.358	0.406	-13.4	117	0.00
8	TMP	Chloroethane	0.278	0.292	-5.0	102	0.00
9	TMP	Trichlorofluoromethane	0.767	0.753	1.8	104	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.072	0.075	-4.2	110	0.00
12	TMP	1,1-Dichloroethene	0.297	0.287	3.4	101	0.00
13	TMP	Hexane	0.420	0.386	8.1	95	0.00
14	TMP	Methylene chloride	0.279	0.279	0.0	112	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.039	2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.696	-0.6	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.269	6.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.948	3.2	99	0.00
19	TMP	1,1-Dichloroethane	0.524	0.518	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.288	1.0	103	0.00
21	TMP	2,2-Dichloropropane	0.330	0.292	11.5	92	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.298	4.8	98	0.00
23	TMP	Chloroform	0.473	0.461	2.5	98	0.00
24	TMP	2-Butanone (MEK)	0.246	0.252	-2.4	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.632	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.406	8.1	98	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.435	0.7	98	0.00
28	TMP	1,1-Dichloropropene	0.341	0.352	-3.2	106	0.00
29	TMP	Carbon tetrachloride	0.410	0.391	4.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.055	11.3	96	0.00
31	TMP	Benzene	1.048	1.019	2.8	100	0.00
32	TMP	Trichloroethene	0.329	0.312	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.269	8.8	99	0.00
34	TMP	Bromodichloromethane	0.351	0.355	-1.1	105	0.00
35	S	Toluene-d8	0.941	0.904	3.9	94	0.01
36	TMP	Dibromomethane	0.176	0.167	5.1	98	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.048	2.0	98	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.402	1.2	101	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
40	TMP	Toluene	0.859	0.827	3.7	99	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.455	5.2	94	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.248	5.3	98	0.00
43	TMP	2-Hexanone	0.381	0.386	-1.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.445	-2.8	103	0.00
45	TMP	Tetrachloroethene	0.403	0.380	5.7	97	0.00
46	TMP	Dibromochloromethane	0.386	0.398	-3.1	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.337	0.9	99	0.00
48	TMP	Chlorobenzene	0.941	0.927	1.5	96	0.00
49	TMP	Ethylbenzene	1.632	1.548	5.1	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.352	7.4	95	0.00
51	TMP	m,p-Xylene	0.656	0.609	7.2	100	0.00
52	TMP	o-Xylene	0.643	0.621	3.4	100	0.00
53	TMP	Styrene	0.964	0.924	4.1	97	0.00
54	TMP	Isopropylbenzene	1.476	1.490	-0.9	98	0.00
55	TMP	Bromoform	0.315	0.289	8.3	95	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
57	S	4-Bromofluorobenzene	0.724	0.734	-1.4	98	0.00
58	TMP	n-Propylbenzene	2.900	3.043	-4.9	99	0.00
59	TMP	Bromobenzene	0.834	0.834	0.0	98	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.261	-5.8	99	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.673	-0.1	108	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.517	-1.6	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.796	-3.0	99	0.00
64	TMP	4-Chlorotoluene	2.005	2.018	-0.6	98	0.00
65	TMP	tert-Butylbenzene	1.993	2.129	-6.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.349	-5.8	101	0.00
67	TMP	sec-Butylbenzene	2.802	3.018	-7.7	101	0.00
68	TMP	p-Isopropyltoluene	2.495	2.704	-8.4	103	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.540	-3.7	98	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.494	-1.8	97	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.521	-6.7	104	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.151	-4.1	101	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.243	-7.4	105	0.00
74	TMP	Hexachlorobutadiene	0.553	0.641	-15.9	103	0.00
75	TMP	Naphthalene	2.586	2.728	-5.5	102	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.155	-9.3	101	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	283596	10.000 ppb		0.00
39) Chlorobenzene-d5	7.27	117	215285	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	131374	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	76092	9.642 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	96.40%		
30) 1,2-Dichloroethane-d4	4.35	102	16027	9.140 ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery =	91.40%		
35) Toluene-d8	5.97	98	264732	9.918 ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery =	99.20%		
57) 4-Bromofluorobenzene	8.37	95	89173	9.369 ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery =	93.70%		
Target Compounds						Qvalue
2) Ethanol	1.87	45	354	No Calib		
4) Dichlorodifluoromethane	1.08	85	150733	9.679 ppb		94
5) Chloromethane	1.22	50	195034	9.626 ppb		97
6] Vinyl chloride	1.29	62	168409	9.846 ppb		90
7) Bromomethane	1.52	94	100348	9.880 ppb		84
8] Chloroethane	1.59	64	81844	10.372 ppb		96
9) Trichlorofluoromethane	1.78	101	209316	9.625 ppb		86
10) 2-Propanol	2.39	45	3936	No Calib		
11) Acetone	2.26	58	46936	23.067 ppb		91
12] 1,1-Dichloroethene	2.18	96	81921	9.737 ppb		98
13) Hexane	3.05	57	120834	10.138 ppb		95
14) Methylene chloride	2.60	84	74919	9.478 ppb		95
15) t-Butyl alcohol (TBA)	2.73	59	55612	49.008 ppb		91
16] Methyl t-butyl ether (...	2.83	73	198609	10.124 ppb		99
17] trans-1,2-Dichloroethene	2.82	96	76340	10.486 ppb		97
18) Diisopropyl ether (DIPE)	3.23	45	278574	10.035 ppb		98
19] 1,1-Dichloroethane	3.17	63	146829	9.875 ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	81570	9.869 ppb	#	83
21) 2,2-Dichloropropane	3.66	77	93599	10.831 ppb		90
22] cis-1,2-Dichloroethene	3.66	96	82977	10.137 ppb		96
23) Chloroform	3.94	83	132538	9.881 ppb		96
24) 2-Butanone (MEK)	3.70	43	238919	34.239 ppb		97
25) t-Amyl methyl ether (T...	4.49	73	175584	9.536 ppb		98
26] 1,2-Dichloroethane (EDC)	4.41	62	115213	9.855 ppb		100
27] 1,1,1-Trichloroethane	4.07	97	127461	10.268 ppb		97
28) 1,1-Dichloropropene	4.21	75	97299	10.047 ppb		91
29) Carbon tetrachloride	4.21	117	115744	9.954 ppb		82
31] Benzene	4.38	78	284178	9.557 ppb		99
32] Trichloroethene	4.93	95	85328	10.016 ppb		93
33) 1,2-Dichloropropane	5.13	63	78077	9.330 ppb		97
34) Bromodichloromethane	5.37	83	97412	9.792 ppb		94
36) Dibromomethane	5.22	93	49101	9.864 ppb		96

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

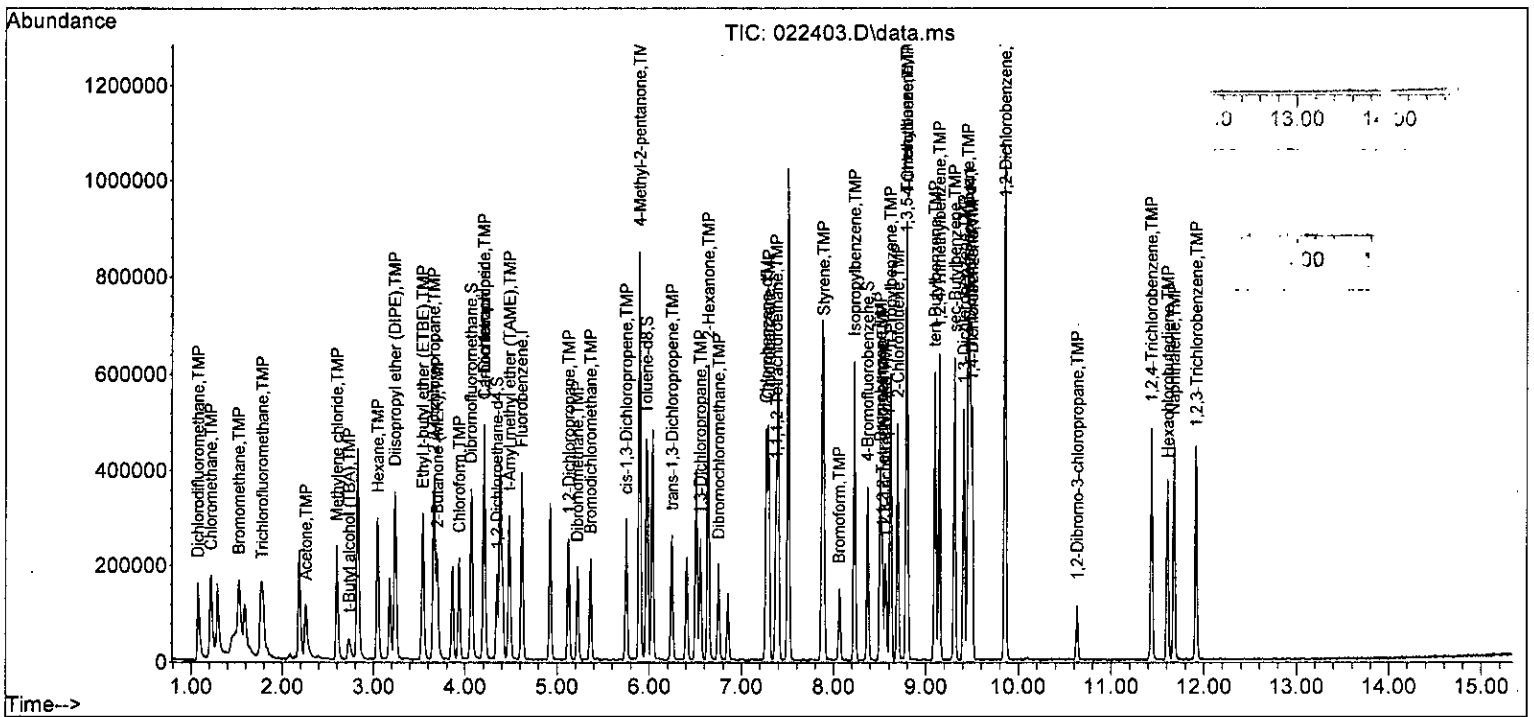
Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

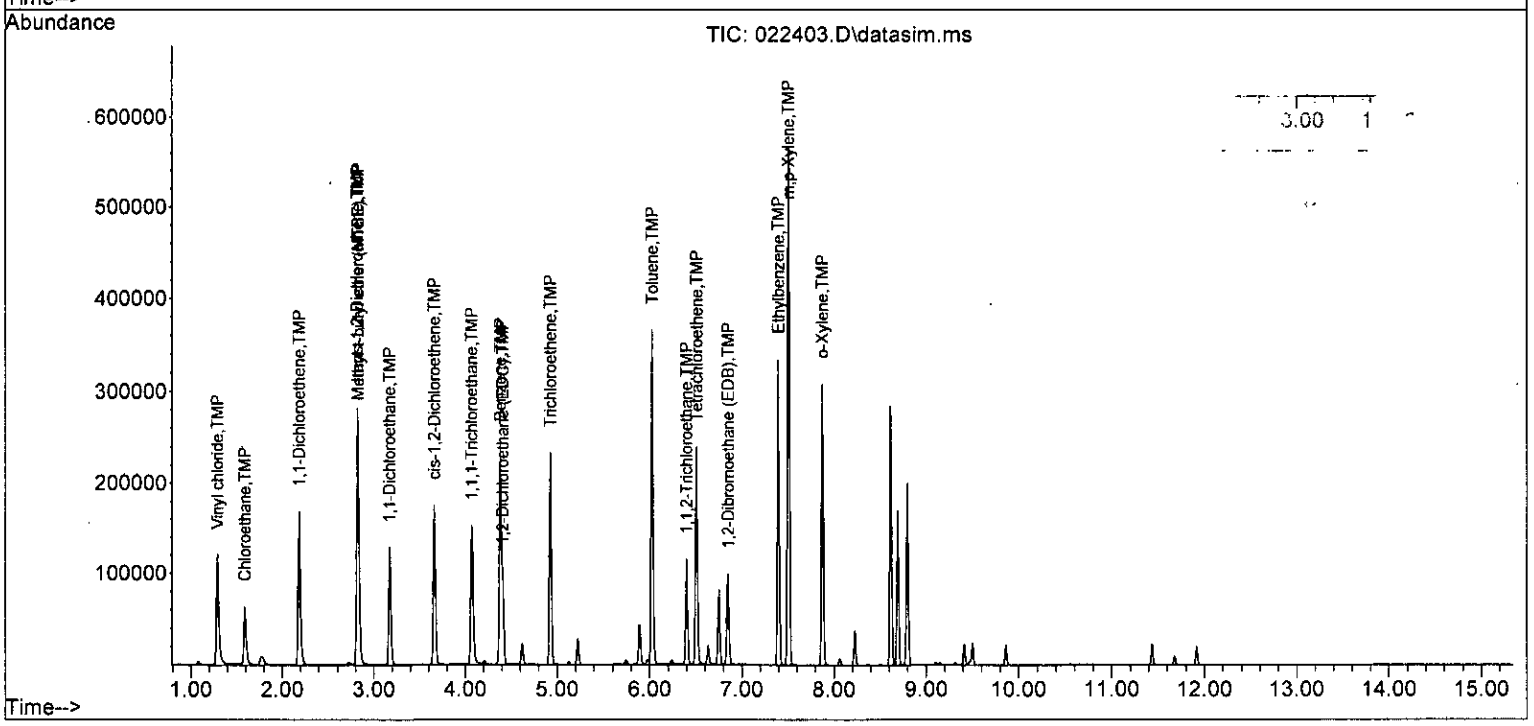
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	65261	46.941 ppb	#	84
38) cis-1,3-Dichloropropene	5.75	75	116157	10.068 ppb		96
40] Toluene	6.03	92	180974	9.789 ppb		100
41) trans-1,3-Dichloropropene	6.25	75	102342	9.910 ppb		95
42] 1,1,2-Trichloroethane	6.40	83	55066	9.756 ppb		92
43) 2-Hexanone	6.64	43	378032	46.084 ppb		98
44) 1,3-Dichloropropane	6.55	76	99088	10.635 ppb		98
45] Tetrachloroethene	6.51	164	87253	10.065 ppb		97
46) Dibromochloromethane	6.75	129	83523	10.052 ppb		94
47] 1,2-Dibromoethane (EDB)	6.85	107	74329	10.160 ppb		100
48) Chlorobenzene	7.29	112	210965	10.409 ppb		94
49] Ethylbenzene	7.40	91	341829	9.727 ppb		96
50) 1,1,1,2-Tetrachloroethane	7.38	131	82336	10.579 ppb		93
51] m,p-Xylene	7.51	106	268564	20.749 ppb		93
52] o-Xylene	7.88	106	135577	9.792 ppb		92
53) Styrene	7.89	104	207748	10.007 ppb		99
54) Isopropylbenzene	8.23	105	341937	10.762 ppb		97
55) Bromoform	8.06	173	65753	9.704 ppb		85
58) n-Propylbenzene	8.62	91	377021	9.897 ppb		95
59) Bromobenzene	8.51	156	105556	9.628 ppb		95
60) 1,3,5-Trimethylbenzene	8.79	105	279040	9.940 ppb		99
61) 1,1,2,2-Tetrachloroethane	8.53	83	87709	10.538 ppb		94
62) 1,2,3-Trichloropropane	8.56	75	64188	9.607 ppb		96
63) 2-Chlorotoluene	8.70	91	221657	9.673 ppb		93
64) 4-Chlorotoluene	8.80	91	257502	9.775 ppb		94
65) tert-Butylbenzene	9.10	119	257189	9.825 ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	286502	9.825 ppb		98
67) sec-Butylbenzene	9.31	105	365329	9.923 ppb		99
68) p-Isopropyltoluene	9.46	119	324256	9.893 ppb		98
69) 1,3-Dichlorobenzene	9.41	146	192810	9.886 ppb		99
70) 1,4-Dichlorobenzene	9.50	146	187489	9.722 ppb		97
71) 1,2-Dichlorobenzene	9.86	146	187336	10.006 ppb		99
72) 1,2-Dibromo-3-chloropr...	10.63	75	20059	10.540 ppb	#	58
73) 1,2,4-Trichlorobenzene	11.44	180	150959	9.931 ppb		98
74) Hexachlorobutadiene	11.61	225	77038	10.597 ppb		89
75) Naphthalene	11.68	128	320971	9.448 ppb		98
76) 1,2,3-Trichlorobenzene	11.92	180	134507	9.684 ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	97	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.642	3.6	89	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.679	3.2	88	0.00
5	TMP	Chloromethane	10.000	9.626	3.7	90	0.00
6	TMP	Vinyl chloride	10.000	9.846	1.5	94	0.00
7	TMP	Bromomethane	10.000	9.880	1.2	96	0.00
8	TMP	Chloroethane	10.000	10.372	-3.7	94	0.00
9	TMP	Trichlorofluoromethane	10.000	9.625	3.8	96	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	23.067	53.9#	45	0.00
12	TMP	1,1-Dichloroethene	10.000	9.737	2.6	95	0.00
13	TMP	Hexane	10.000	10.138	-1.4	99	0.00
14	TMP	Methylene chloride	10.000	9.478	5.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	49.008	2.0	94	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.124	-1.2	94	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.486	-4.9	95	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.035	-0.4	97	0.00
19	TMP	1,1-Dichloroethane	10.000	9.875	1.3	93	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.869	1.3	97	0.00
21	TMP	2,2-Dichloropropane	10.000	10.831	-8.3	97	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.137	-1.4	91	0.00
23	TMP	Chloroform	10.000	9.881	1.2	93	0.00
24	TMP	2-Butanone (MEK)	50.000	34.239	31.5#	68	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.536	4.6	92	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.855	1.4	92	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.268	-2.7	95	0.00
28	TMP	1,1-Dichloropropene	10.000	10.047	-0.5	96	0.00
29	TMP	Carbon tetrachloride	10.000	9.954	0.5	98	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.140	8.6	92	0.00
31	TMP	Benzene	10.000	9.557	4.4	92	0.00
32	TMP	Trichloroethene	10.000	10.016	-0.2	90	0.00
33	TMP	1,2-Dichloropropane	10.000	9.330	6.7	95	0.00
34	TMP	Bromodichloromethane	10.000	9.792	2.1	95	0.00
35	S	Toluene-d8	10.000	9.918	0.8	91	0.00
36	TMP	Dibromomethane	10.000	9.864	1.4	95	0.00
37	TMP	4-Methyl-2-pentanone	50.000	46.941	6.1	88	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.068	-0.7	97	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	88	0.00
40	TMP	Toluene	10.000	9.789	2.1	91	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.910	0.9	89	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.756	2.4	92	0.00
43	TMP	2-Hexanone	50.000	46.084	7.8	81	0.00

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.635	-6.3	97	0.00
45	TMP	Tetrachloroethene	10.000	10.065	-0.6	94	0.00
46	TMP	Dibromochloromethane	10.000	10.052	-0.5	93	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.160	-1.6	92	0.00
48	TMP	Chlorobenzene	10.000	10.409	-4.1	92	0.00
49	TMP	Ethylbenzene	10.000	9.727	2.7	93	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.579	-5.8	94	0.00
51	TMP	m,p-Xylene	20.000	20.749	-3.7	93	0.00
52	TMP	o-Xylene	10.000	9.792	2.1	92	0.00
53	TMP	Styrene	10.000	10.007	-0.1	92	0.00
54	TMP	Isopropylbenzene	10.000	10.762	-7.6	95	0.00
55	TMP	Bromoform	10.000	9.704	3.0	92	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	93	0.00
57	S	4-Bromofluorobenzene	10.000	9.369	6.3	90	0.00
58	TMP	n-Propylbenzene	10.000	9.897	1.0	92	0.00
59	TMP	Bromobenzene	10.000	9.628	3.7	93	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.940	0.6	92	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.538	-5.4	106	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.607	3.9	93	0.00
63	TMP	2-Chlorotoluene	10.000	9.673	3.3	91	0.00
64	TMP	4-Chlorotoluene	10.000	9.775	2.2	94	0.00
65	TMP	tert-Butylbenzene	10.000	9.825	1.8	92	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.825	1.8	93	0.00
67	TMP	sec-Butylbenzene	10.000	9.923	0.8	91	0.00
68	TMP	p-Isopropyltoluene	10.000	9.893	1.1	93	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.886	1.1	93	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.722	2.8	91	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.006	-0.1	96	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.540	-5.4	101	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.931	0.7	96	0.00
74	TMP	Hexachlorobutadiene	10.000	10.597	-6.0	93	0.00
75	TMP	Naphthalene	10.000	9.448	5.5	90	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.684	3.2	89	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.268	3.6	89	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.532	3.1	88	0.00
5	TMP	Chloromethane	0.714	0.688	3.6	90	0.00
6	TMP	Vinyl chloride	0.603	0.594	1.5	94	0.00
7	TMP	Bromomethane	0.358	0.354	1.1	96	0.00
8	TMP	Chloroethane	0.278	0.289	-4.0	94	0.00
9	TMP	Trichlorofluoromethane	0.767	0.738	3.8	96	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.033	54.2#	45#	0.00
12	TMP	1,1-Dichloroethene	0.297	0.289	2.7	95	0.00
13	TMP	Hexane	0.420	0.426	-1.4	99	0.00
14	TMP	Methylene chloride	0.279	0.264	5.4	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.039	2.5	94	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.700	-1.2	94	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.269	6.3	95	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.982	-0.3	97	0.00
19	TMP	1,1-Dichloroethane	0.524	0.518	1.1	93	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.288	1.0	97	0.00
21	TMP	2,2-Dichloropropane	0.330	0.330	0.0	97	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.293	6.4	91	0.00
23	TMP	Chloroform	0.473	0.467	1.3	93	0.00
24	TMP	2-Butanone (MEK)	0.246	0.168	31.7#	68	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.619	4.6	92	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.406	8.1	92	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.449	-2.5	95	0.00
28	TMP	1,1-Dichloropropene	0.341	0.343	-0.6	96	0.00
29	TMP	Carbon tetrachloride	0.410	0.408	0.5	98	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.057	8.1	92	0.00
31	TMP	Benzene	1.048	1.002	4.4	92	0.00
32	TMP	Trichloroethene	0.329	0.301	8.5	90	0.00
33	TMP	1,2-Dichloropropane	0.295	0.275	6.8	95	0.00
34	TMP	Bromodichloromethane	0.351	0.343	2.3	95	0.00
35	S	Toluene-d8	0.941	0.933	0.9	91	0.00
36	TMP	Dibromomethane	0.176	0.173	1.7	95	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	88	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.410	-0.7	97	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
40	TMP	Toluene	0.859	0.841	2.1	91	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.475	1.0	89	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.256	2.3	92	0.00
43	TMP	2-Hexanone	0.381	0.351	7.9	81	0.00

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022403.D
Acq On : 24 Feb 2023 06:14 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:38:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.460	-6.2	97	0.00
45	TMP	Tetrachloroethene	0.403	0.405	-0.5	94	0.00
46	TMP	Dibromochloromethane	0.386	0.388	-0.5	93	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.345	-1.5	92	0.00
48	TMP	Chlorobenzene	0.941	0.980	-4.1	92	0.00
49	TMP	Ethylbenzene	1.632	1.588	2.7	93	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.382	-0.5	94	0.00
51	TMP	m,p-Xylene	0.656	0.624	4.9	93	0.00
52	TMP	o-Xylene	0.643	0.630	2.0	92	0.00
53	TMP	Styrene	0.964	0.965	-0.1	92	0.00
54	TMP	Isopropylbenzene	1.476	1.588	-7.6	95	0.00
55	TMP	Bromoform	0.315	0.305	3.2	92	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
57	S	4-Bromofluorobenzene	0.724	0.679	6.2	90	0.00
58	TMP	n-Propylbenzene	2.900	2.870	1.0	92	0.00
59	TMP	Bromobenzene	0.834	0.803	3.7	93	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.124	0.6	92	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.668	0.6	106	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.489#	3.9	93	0.00
63	TMP	2-Chlorotoluene	1.744	1.687	3.3	91	0.00
64	TMP	4-Chlorotoluene	2.005	1.960	2.2	94	0.00
65	TMP	tert-Butylbenzene	1.993	1.958	1.8	92	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.181	1.8	93	0.00
67	TMP	sec-Butylbenzene	2.802	2.781	0.7	91	0.00
68	TMP	p-Isopropyltoluene	2.495	2.468	1.1	93	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.468	1.1	93	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.427	2.8	91	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.426	-0.1	96	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.153	-5.5	101	0.00
73	TMP	1,2,4-Trichlorobenzene	1.157	1.149	0.7	96	0.00
74	TMP	Hexachlorobutadiene	0.553	0.586	-6.0	93	0.00
75	TMP	Naphthalene	2.586	2.443	5.5	90	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.024	3.1	89	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	192748	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	145278	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	93103	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	59062	11.012	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 110.10%				
30) 1,2-Dichloroethane-d4	4.36	102	12677	10.637	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.40%				
35) Toluene-d8	5.98	98	169899	9.365	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 93.60%				
57) 4-Bromofluorobenzene	8.38	95	63423	9.403	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 94.00%				
Target Compounds							Qvalue
2) Ethanol	1.89	45	139	No Calib			
4) Dichlorodifluoromethane	1.09	85	105256	9.944	ppb		93
5) Chloromethane	1.23	50	107542	7.810	ppb		88
6] Vinyl chloride	1.30	62	93614	8.053	ppb		96
7) Bromomethane	1.54	94	62519	9.057	ppb		89
8] Chloroethane	1.61	64	46255	8.625	ppb		100
9) Trichlorofluoromethane	1.78	101	154362	10.444	ppb		87
10) 2-Propanol	2.39	45	551	No Calib			
11) Acetone	2.27	58	30678	22.184	ppb	#	75
12] 1,1-Dichloroethene	2.20	96	58315	10.198	ppb		90
13) Hexane	3.05	57	77193	9.529	ppb		91
14) Methylene chloride	2.61	84	49687	9.249	ppb		96
15) t-Butyl alcohol (TBA)	2.73	59	34392	44.593	ppb		97
16] Methyl t-butyl ether (...	2.84	73	136839	10.263	ppb		99
17] trans-1,2-Dichloroethene	2.83	96	54527	11.021	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	193381	10.249	ppb		97
19] 1,1-Dichloroethane	3.18	63	102891	10.182	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	55312	9.846	ppb	#	79
21) 2,2-Dichloropropane	3.67	77	65931	11.247	ppb		81
22] cis-1,2-Dichloroethene	3.67	96	58560	10.526	ppb		95
23) Chloroform	3.95	83	94552	10.372	ppb		98
24) 2-Butanone (MEK)	3.71	43	181578	38.286	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	121230	9.688	ppb		98
26] 1,2-Dichloroethane (EDC)	4.42	62	81488	10.258	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	93255	11.053	ppb		95
28) 1,1-Dichloropropene	4.22	75	67999	10.331	ppb		91
29) Carbon tetrachloride	4.21	117	83643	10.584	ppb		100
31] Benzene	4.39	78	187003	9.254	ppb		97
32] Trichloroethene	4.93	95	58078	10.031	ppb		94
33) 1,2-Dichloropropane	5.13	63	49093	8.632	ppb		96
34) Bromodichloromethane	5.37	83	66989	9.907	ppb		99
36) Dibromomethane	5.23	93	30964	9.152	ppb	#	80

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

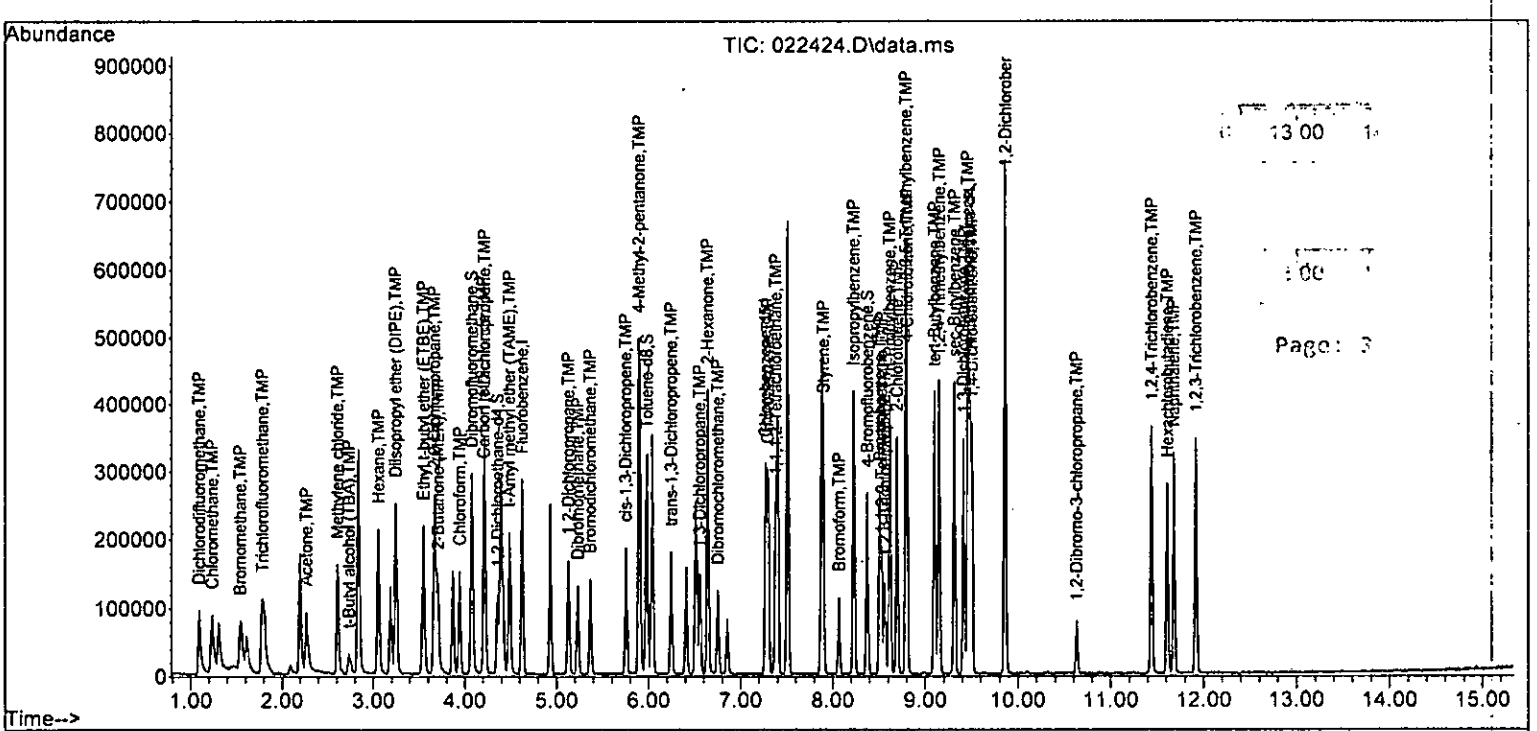
Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

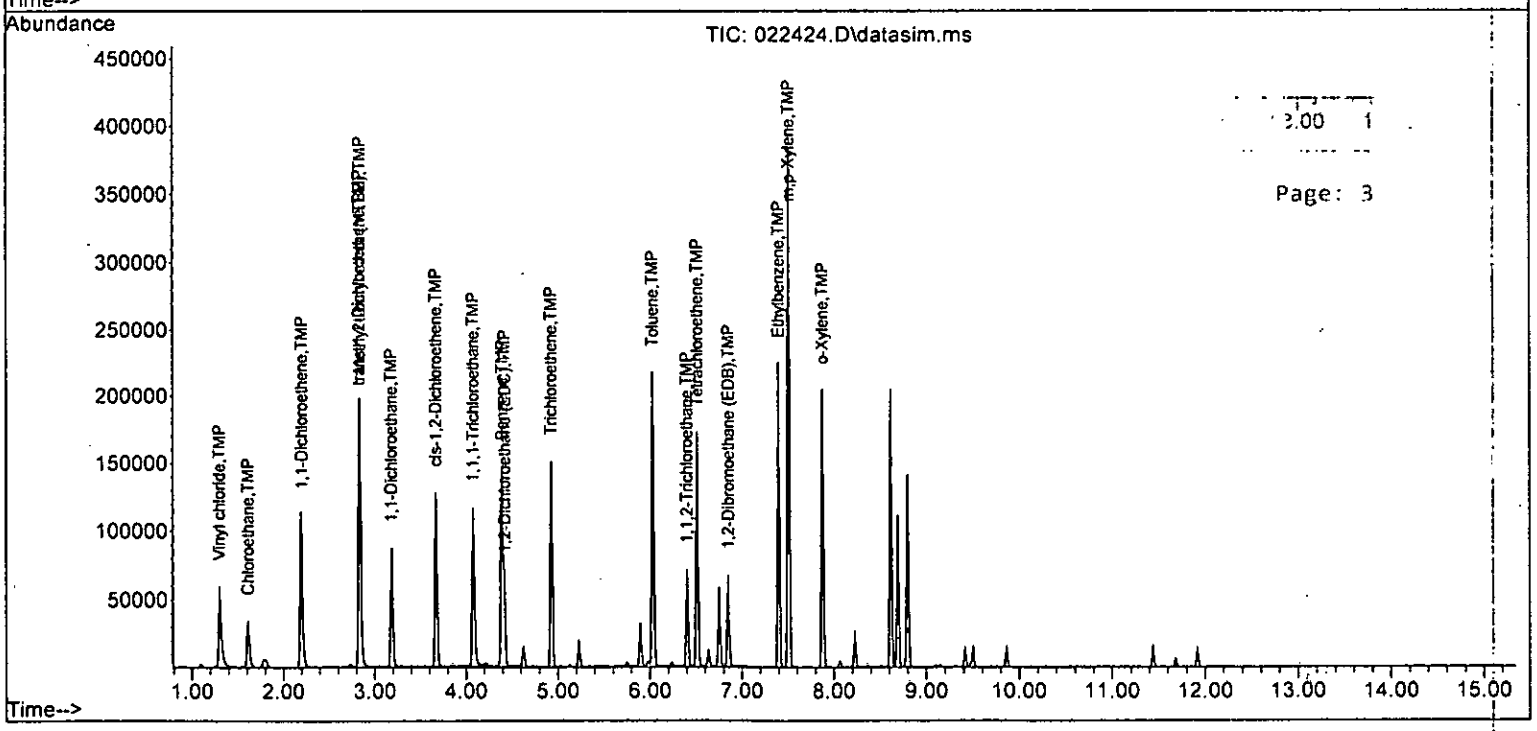
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	41734	44.167	ppb	#	85
38) cis-1,3-Dichloropropene	5.75	75	69735	8.894	ppb		94
40] Toluene	6.03	92	116228	9.316	ppb		98
41) trans-1,3-Dichloropropene	6.25	75	61121	8.771	ppb		99
42] 1,1,2-Trichloroethane	6.40	83	33804	8.875	ppb		99
43) 2-Hexanone	6.64	43	247355	44.685	ppb		98
44) 1,3-Dichloropropane	6.55	76	60197	9.574	ppb		92
45] Tetrachloroethene	6.51	164	60816	10.396	ppb		98
46) Dibromochloromethane	6.75	129	57512	10.257	ppb		97
47] 1,2-Dibromoethane (EDB)	6.85	107	46451	9.409	ppb		99
48) Chlorobenzene	7.29	112	133706	9.776	ppb		92
49] Ethylbenzene	7.40	91	226752	9.562	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.38	131	58449	11.132	ppb		93
51] m,p-Xylene	7.51	106	179539	20.555	ppb		99
52] o-Xylene	7.88	106	93094	9.963	ppb		97
53) Styrene	7.90	104	132745	9.475	ppb		98
54) Isopropylbenzene	8.23	105	232150	10.827	ppb		100
55) Bromoform	8.07	173	45807	10.018	ppb		94
58) n-Propylbenzene	8.62	91	260391	9.645	ppb		99
59) Bromobenzene	8.51	156	71647	9.222	ppb		92
60) 1,3,5-Trimethylbenzene	8.79	105	190745	9.588	ppb		91
61) 1,1,2,2-Tetrachloroethane	8.53	83	58573	9.926	ppb		99
62) 1,2,3-Trichloropropane	8.56	75	42342	8.943	ppb		95
63) 2-Chlorotoluene	8.70	91	145302	8.947	ppb		85
64) 4-Chlorotoluene	8.81	91	170791	9.148	ppb		94
65) tert-Butylbenzene	9.10	119	175373	9.454	ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	199827	9.670	ppb		98
67) sec-Butylbenzene	9.31	105	251694	9.647	ppb		97
68) p-Isopropyltoluene	9.46	119	233759	10.064	ppb		99
69) 1,3-Dichlorobenzene	9.41	146	129878	9.397	ppb		96
70) 1,4-Dichlorobenzene	9.50	146	131340	9.610	ppb		98
71) 1,2-Dichlorobenzene	9.86	146	134863	10.164	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.63	75	12590	9.335	ppb	#	61
73) 1,2,4-Trichlorobenzene	11.44	180	109286	10.144	ppb		96
74) Hexachlorobutadiene	11.61	225	58102	11.278	ppb		89
75) Naphthalene	11.68	128	231856	9.630	ppb		96
76) 1,2,3-Trichlorobenzene	11.92	180	105220	10.689	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	66	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.02
3	S	Dibromofluoromethane	10.000	11.012	-10.1	69	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.944	0.6	61	0.02
5	TMP	Chloromethane	10.000	7.810	21.9#	50	0.02
6	TMP	Vinyl chloride	10.000	8.053	19.5	52	0.00
7	TMP	Bromomethane	10.000	9.057	9.4	60	0.00
8	TMP	Chloroethane	10.000	8.625	13.8	53	0.02
9	TMP	Trichlorofluoromethane	10.000	10.444	-4.4	71	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	22.184	55.6#	30	0.00
12	TMP	1,1-Dichloroethene	10.000	10.198	-2.0	68	0.02
13	TMP	Hexane	10.000	9.529	4.7	63	0.00
14	TMP	Methylene chloride	10.000	9.249	7.5	66	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	44.593	10.8	58	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.263	-2.6	64	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	11.021	-10.2	68	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.249	-2.5	67	0.00
19	TMP	1,1-Dichloroethane	10.000	10.182	-1.8	65	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.846	1.5	66	0.00
21	TMP	2,2-Dichloropropane	10.000	11.247	-12.5	69	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.526	-5.3	64	0.00
23	TMP	Chloroform	10.000	10.372	-3.7	66	0.00
24	TMP	2-Butanone (MEK)	50.000	38.286	23.4#	51	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.688	3.1	63	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.258	-2.6	65	0.00
27	TMP	1,1,1-Trichloroethane	10.000	11.053	-10.5	70	0.00
28	TMP	1,1-Dichloropropene	10.000	10.331	-3.3	67	0.00
29	TMP	Carbon tetrachloride	10.000	10.584	-5.8	71	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.637	-6.4	73	0.00
31	TMP	Benzene	10.000	9.254	7.5	60	0.00
32	TMP	Trichloroethene	10.000	10.031	-0.3	62	0.00
33	TMP	1,2-Dichloropropane	10.000	8.632	13.7	59	0.00
34	TMP	Bromodichloromethane	10.000	9.907	0.9	66	0.00
35	S	Toluene-d8	10.000	9.365	6.3	58	0.01
36	TMP	Dibromomethane	10.000	9.152	8.5	60	0.00
37	TMP	4-Methyl-2-pentanone	50.000	44.167	11.7	56	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	8.894	11.1	58	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	60	0.00
40	TMP	Toluene	10.000	9.316	6.8	59	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	8.771	12.3	53	0.00
42	TMP	1,1,2-Trichloroethane	10.000	8.875	11.3	56	0.00
43	TMP	2-Hexanone	50.000	44.685	10.6	53	0.00

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.574	4.3	59	0.00
45	TMP	Tetrachloroethene	10.000	10.396	-4.0	65	0.00
46	TMP	Dibromochloromethane	10.000	10.257	-2.6	64	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.409	5.9	58	0.00
48	TMP	Chlorobenzene	10.000	9.776	2.2	59	0.00
49	TMP	Ethylbenzene	10.000	9.562	4.4	61	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	11.132	-11.3	66	0.00
51	TMP	m,p-Xylene	20.000	20.555	-2.8	62	0.00
52	TMP	o-Xylene	10.000	9.963	0.4	63	0.00
53	TMP	Styrene	10.000	9.475	5.3	59	0.00
54	TMP	Isopropylbenzene	10.000	10.827	-8.3	64	0.00
55	TMP	Bromoform	10.000	10.018	-0.2	64	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	66	0.00
57	S	4-Bromofluorobenzene	10.000	9.403	6.0	64	0.00
58	TMP	n-Propylbenzene	10.000	9.645	3.6	64	0.00
59	TMP	Bromobenzene	10.000	9.222	7.8	63	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	9.588	4.1	63	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.926	0.7	70	0.00
62	TMP	1,2,3-Trichloropropane	10.000	8.943	10.6	61	0.00
63	TMP	2-Chlorotoluene	10.000	8.947	10.5	60	0.00
64	TMP	4-Chlorotoluene	10.000	9.148	8.5	62	0.00
65	TMP	tert-Butylbenzene	10.000	9.454	5.5	62	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.670	3.3	65	0.00
67	TMP	sec-Butylbenzene	10.000	9.647	3.5	63	0.00
68	TMP	p-Isopropyltoluene	10.000	10.064	-0.6	67	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.397	6.0	62	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.610	3.9	64	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.164	-1.6	69	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.335	6.6	64	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.144	-1.4	70	0.00
74	TMP	Hexachlorobutadiene	10.000	11.278	-12.8	70	0.00
75	TMP	Naphthalene	10.000	9.630	3.7	65	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.689	-6.9	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	66	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.02
3	S	Dibromofluoromethane	0.278	0.306	-10.1	69	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.546	0.5	61	0.02
5	TMP	Chloromethane	0.714	0.558	21.8#	50#	0.02
6	TMP	Vinyl chloride	0.603	0.486	19.4	52	0.00
7	TMP	Bromomethane	0.358	0.324	9.5	60	0.00
8	TMP	Chloroethane	0.278	0.240	13.7	53	0.02
9	TMP	Trichlorofluoromethane	0.767	0.801	-4.4	71	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.032	55.6#	30#	0.00
12	TMP	1,1-Dichloroethene	0.297	0.303	-2.0	68	0.02
13	TMP	Hexane	0.420	0.400	4.8	63	0.00
14	TMP	Methylene chloride	0.279	0.258	7.5	66	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.036	10.0	58	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.710	-2.6	64	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.283	1.4	68	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	1.003	-2.5	67	0.00
19	TMP	1,1-Dichloroethane	0.524	0.534	-1.9	65	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.287	1.4	66	0.00
21	TMP	2,2-Dichloropropane	0.330	0.342	-3.6	69	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.304	2.9	64	0.00
23	TMP	Chloroform	0.473	0.491	-3.8	66	0.00
24	TMP	2-Butanone (MEK)	0.246	0.188	23.6#	51	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.629	3.1	63	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.423	4.3	65	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.484	-10.5	70	0.00
28	TMP	1,1-Dichloropropene	0.341	0.353	-3.5	67	0.00
29	TMP	Carbon tetrachloride	0.410	0.434	-5.9	71	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	73	0.00
31	TMP	Benzene	1.048	0.970	7.4	60	0.00
32	TMP	Trichloroethene	0.329	0.301	8.5	62	0.00
33	TMP	1,2-Dichloropropane	0.295	0.255	13.6	59	0.00
34	TMP	Bromodichloromethane	0.351	0.348	0.9	66	0.00
35	S	Toluene-d8	0.941	0.881	6.4	58	0.01
36	TMP	Dibromomethane	0.176	0.161	8.5	60	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.043	12.2	56	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.362	11.1	58	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	60	0.00
40	TMP	Toluene	0.859	0.800	6.9	59	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.421	12.3	53	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.233	11.1	56	0.00
43	TMP	2-Hexanone	0.381	0.341	10.5	53	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022424.D
Acq On : 24 Feb 2023 02:04 pm
Operator : LM
Sample : 10 ppb 8260 CCV 67-150N
Misc : water/soil
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:52 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.414	4.4	59	0.00
45	TMP	Tetrachloroethene	0.403	0.419	-4.0	65	0.00
46	TMP	Dibromochloromethane	0.386	0.396	-2.6	64	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.320	5.9	58	0.00
48	TMP	Chlorobenzene	0.941	0.920	2.2	59	0.00
49	TMP	Ethylbenzene	1.632	1.561	4.4	61	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.402	-5.8	66	0.00
51	TMP	m,p-Xylene	0.656	0.618	5.8	62	0.00
52	TMP	o-Xylene	0.643	0.641	0.3	63	0.00
53	TMP	Styrene	0.964	0.914	5.2	59	0.00
54	TMP	Isopropylbenzene	1.476	1.598	-8.3	64	0.00
55	TMP	Bromoform	0.315	0.315	0.0	64	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	66	0.00
57	S	4-Bromofluorobenzene	0.724	0.681	5.9	64	0.00
58	TMP	n-Propylbenzene	2.900	2.797	3.6	64	0.00
59	TMP	Bromobenzene	0.834	0.770	7.7	63	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.049	4.1	63	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.629	6.4	70	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.455#	10.6	61	0.00
63	TMP	2-Chlorotoluene	1.744	1.561	10.5	60	0.00
64	TMP	4-Chlorotoluene	2.005	1.834	8.5	62	0.00
65	TMP	tert-Butylbenzene	1.993	1.884	5.5	62	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.146	3.3	65	0.00
67	TMP	sec-Butylbenzene	2.802	2.703	3.5	63	0.00
68	TMP	p-Isopropyltoluene	2.495	2.511	-0.6	67	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.395	6.1	62	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.411	3.9	64	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.449	-1.7	69	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.135	6.9	64	0.00
73	TMP	1,2,4-Trichlorobenzene	1.157	1.174	-1.5	70	0.00
74	TMP	Hexachlorobutadiene	0.553	0.624	-12.8	70	0.00
75	TMP	Naphthalene	2.586	2.490	3.7	65	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.130	-6.9	69	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	42788	10.000 ppb		0.00
39) Chlorobenzene-d5	7.40	117	39841	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22398	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	13877	10.387 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2661	10.032 ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.30%			
35) Toluene-d8	6.11	98	42461	10.658 ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.60%			
57) 4-Bromofluorobenzene	8.51	95	14409	10.434 ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 104.30%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	38	No Calib		
4) Dichlorodifluoromethane	1.10	85	38754	12.412 ppb		99
5) Chloromethane	1.24	50	21384	9.998 ppb		84
6] Vinyl chloride	1.31	62	23331	9.832 ppb		91
7) Bromomethane	1.55	94	20114	9.594 ppb		98
8] Chloroethane	1.64	64	11559	9.973 ppb		96
9) Trichlorofluoromethane	1.83	101	61499	10.893 ppb		95
10) 2-Propanol	2.32	45	38	No Calib		
11) Acetone	2.32	58	5299	55.030 ppb		95
12] 1,1-Dichloroethene	2.26	96	19795	10.509 ppb		99
13) Hexane	3.15	57	10881	11.030 ppb		98
14) Methylene chloride	2.68	84	9752	9.683 ppb		95
15) t-Butyl alcohol (TBA)	2.81	59	4756	53.605 ppb		88
16] Methyl t-butyl ether (...	2.92	73	26024	11.016 ppb		99
17] trans-1,2-Dichloroethene	2.91	96	12748	10.479 ppb		98
18) Diisopropyl ether (DIPE)	3.34	45	21613	10.496 ppb		99
19] 1,1-Dichloroethane	3.27	63	14729	10.531 ppb		93
20) Ethyl t-butyl ether (E...	3.65	87	12100	10.098 ppb		97
21) 2,2-Dichloropropane	3.76	77	11324	10.594 ppb		95
22] cis-1,2-Dichloroethene	3.77	96	13882	10.749 ppb		89
23) Chloroform	4.04	83	18749	10.199 ppb		99
24) 2-Butanone (MEK)	3.78	43	21097	55.349 ppb		96
25) t-Amyl methyl ether (T...	4.60	73	23663	10.712 ppb		98
26] 1,2-Dichloroethane (EDC)	4.52	62	12066	9.966 ppb		94
27] 1,1,1-Trichloroethane	4.19	97	20254	10.844 ppb		92
28) 1,1-Dichloropropene	4.32	75	13008	10.365 ppb		95
29) Carbon tetrachloride	4.32	117	20884	9.505 ppb		95
31] Benzene	4.50	78	38701	10.681 ppb		96
32] Trichloroethene	5.04	95	13895	10.345 ppb	#	77
33) 1,2-Dichloropropane	5.24	63	8081	10.923 ppb		98
34) Bromodichloromethane	5.48	83	13538	9.510 ppb		97
36) Dibromomethane	5.34	93	7579	10.331 ppb		94

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

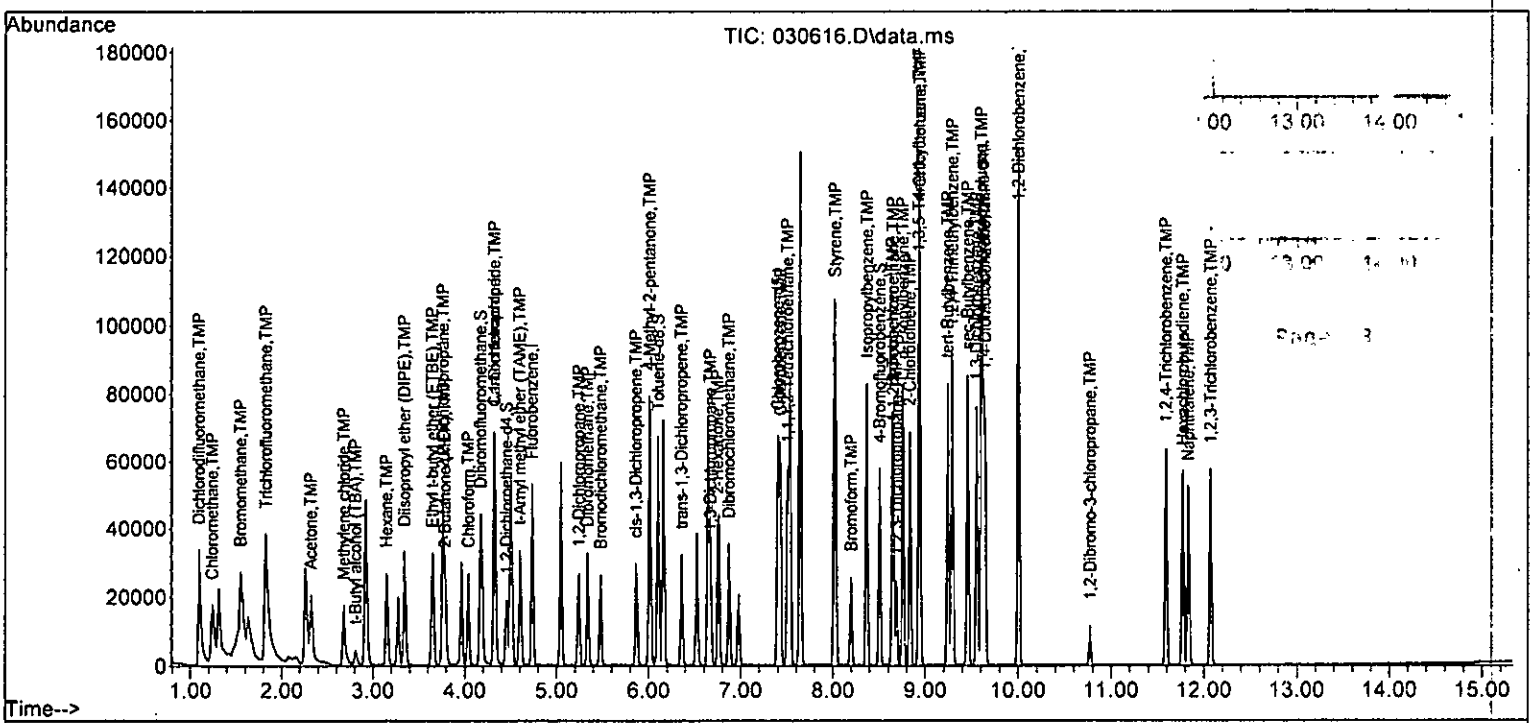
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	9835	53.493	ppb		96
38) cis-1,3-Dichloropropene	5.86	75	14339	10.948	ppb		96
40] Toluene	6.16	92	28876	10.250	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	12785	10.145	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	8077	9.994	ppb	#	69
43) 2-Hexanone	6.75	43	28673	49.852	ppb		98
44) 1,3-Dichloropropane	6.67	76	13846	10.226	ppb		93
45] Tetrachloroethene	6.65	164	17285	10.091	ppb		99
46) Dibromochloromethane	6.87	129	18180	10.440	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	13637	10.344	ppb		98
48) Chlorobenzene	7.43	112	38762	10.061	ppb		100
49] Ethylbenzene	7.54	91	52617	10.347	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	16478	10.581	ppb		98
51] m,p-Xylene	7.65	106	46710	20.842	ppb		99
52] o-Xylene	8.01	106	22519	10.358	ppb	#	77
53) Styrene	8.03	104	35039	10.290	ppb		99
54) Isopropylbenzene	8.37	105	55277	9.962	ppb		99
55) Bromoform	8.20	173	11611	9.896	ppb		95
58) n-Propylbenzene	8.76	91	55099	10.376	ppb		99
59) Bromobenzene	8.65	156	19010	9.904	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	44698	10.255	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	11101	10.228	ppb		93
62) 1,2,3-Trichloropropane	8.69	75	7815	9.563	ppb		96
63) 2-Chlorotoluene	8.84	91	31482	10.472	ppb		98
64) 4-Chlorotoluene	8.94	91	36839	10.244	ppb		99
65) tert-Butylbenzene	9.24	119	45640	9.921	ppb		97
66) 1,2,4-Trimethylbenzene	9.29	105	45365	10.174	ppb		98
67) sec-Butylbenzene	9.46	105	56720	10.004	ppb		100
68) p-Isopropyltoluene	9.60	119	56307	10.080	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	32926	9.580	ppb		97
70) 1,4-Dichlorobenzene	9.64	146	32748	9.918	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	30802	9.469	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	1831	9.678	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	20523	9.500	ppb		96
74) Hexachlorobutadiene	11.77	225	12662	9.422	ppb		96
75) Naphthalene	11.83	128	43694	10.841	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	18443	10.089	ppb		99

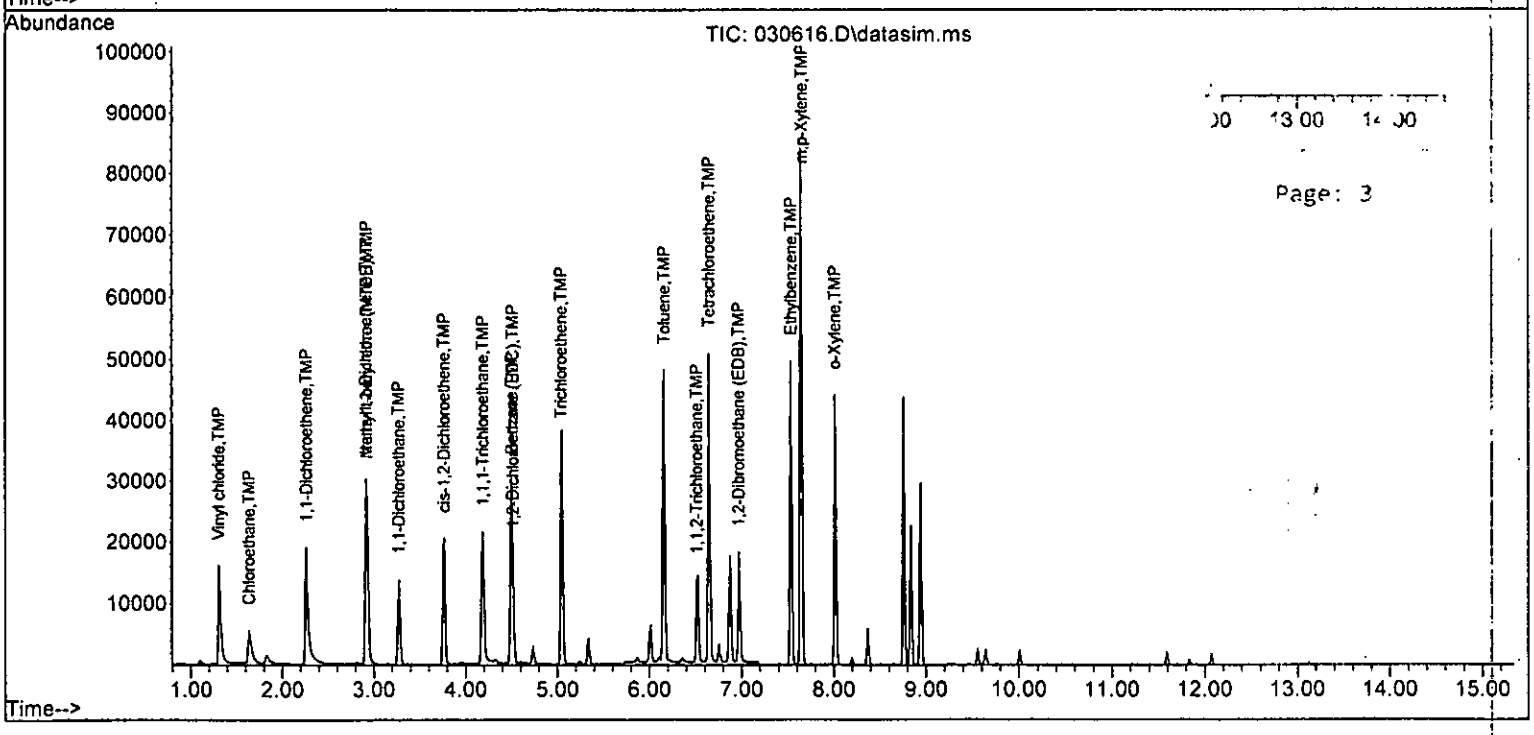
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	64	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.387	-3.9	70	0.00
4	TMP	Dichlorodifluoromethane	10.000	12.412	-24.1#	83	-0.01
5	TMP	Chloromethane	10.000	9.998	0.0	72	-0.01
6	TMP	Vinyl chloride	10.000	9.832	1.7	72	-0.02
7	TMP	Bromomethane	10.000	9.594	4.1	67	-0.02
8	TMP	Chloroethane	10.000	9.973	0.3	72	-0.02
9	TMP	Trichlorofluoromethane	10.000	10.893	-8.9	74	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	51	-0.02
11	TMP	Acetone	50.000	55.030	-10.1	75	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.509	-5.1	72	-0.01
13	TMP	Hexane	10.000	11.030	-10.3	77	-0.01
14	TMP	Methylene chloride	10.000	9.683	3.2	65	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	53.605	-7.2	76	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	11.016	-10.2	77	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.479	-4.8	73	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	10.496	-5.0	72	-0.01
19	TMP	1,1-Dichloroethane	10.000	10.531	-5.3	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.098	-1.0	74	-0.01
21	TMP	2,2-Dichloropropane	10.000	10.594	-5.9	81	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.749	-7.5	74	0.00
23	TMP	Chloroform	10.000	10.199	-2.0	70	0.00
24	TMP	2-Butanone (MEK)	50.000	55.349	-10.7	74	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.712	-7.1	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.966	0.3	69	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.844	-8.4	75	0.00
28	TMP	1,1-Dichloropropene	10.000	10.365	-3.7	74	-0.01
29	TMP	Carbon tetrachloride	10.000	9.505	4.9	72	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.032	-0.3	64	0.00
31	TMP	Benzene	10.000	10.681	-6.8	73	0.00
32	TMP	Trichloroethene	10.000	10.345	-3.5	69	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.923	-9.2	74	0.00
34	TMP	Bromodichloromethane	10.000	9.510	4.9	72	0.00
35	S	Toluene-d8	10.000	10.658	-6.6	74	0.00
36	TMP	Dibromomethane	10.000	10.331	-3.3	71	0.00
37	TMP	4-Methyl-2-pentanone	50.000	53.493	-7.0	74	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.948	-9.5	78	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	71	0.00
40	TMP	Toluene	10.000	10.250	-2.5	74	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.145	-1.4	76	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.994	0.1	73	-0.01
43	TMP	2-Hexanone	50.000	49.852	0.3	73	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.226	-2.3	77	0.00
45	TMP	Tetrachloroethene	10.000	10.091	-0.9	73	0.00
46	TMP	Dibromochloromethane	10.000	10.440	-4.4	78	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.344	-3.4	77	0.00
48	TMP	Chlorobenzene	10.000	10.061	-0.6	72	0.00
49	TMP	Ethylbenzene	10.000	10.347	-3.5	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.581	-5.8	77	0.00
51	TMP	m,p-Xylene	20.000	20.842	-4.2	74	0.00
52	TMP	o-Xylene	10.000	10.358	-3.6	74	0.00
53	TMP	Styrene	10.000	10.290	-2.9	75	0.00
54	TMP	Isopropylbenzene	10.000	9.962	0.4	73	0.00
55	TMP	Bromoform	10.000	9.896	1.0	75	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	70	0.00
57	S	4-Bromofluorobenzene	10.000	10.434	-4.3	73	0.00
58	TMP	n-Propylbenzene	10.000	10.376	-3.8	73	0.00
59	TMP	Bromobenzene	10.000	9.904	1.0	71	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.255	-2.6	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.228	-2.3	76	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.563	4.4	69	0.00
63	TMP	2-Chlorotoluene	10.000	10.472	-4.7	70	0.00
64	TMP	4-Chlorotoluene	10.000	10.244	-2.4	73	0.00
65	TMP	tert-Butylbenzene	10.000	9.921	0.8	70	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.174	-1.7	71	0.00
67	TMP	sec-Butylbenzene	10.000	10.004	-0.0	70	0.00
68	TMP	p-Isopropyltoluene	10.000	10.080	-0.8	70	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.580	4.2	68	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.918	0.8	71	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.469	5.3	68	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.678	3.2	77	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.500	5.0	71	0.00
74	TMP	Hexachlorobutadiene	10.000	9.422	5.8	68	0.00
75	TMP	Naphthalene	10.000	10.841	-8.4	78	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.089	-0.9	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	64	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.324	-3.8	70	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.906	-24.1#	83	-0.01
5	TMP	Chloromethane	0.500	0.500	0.0	72	-0.01
6	TMP	Vinyl chloride	0.532	0.545	-2.4	72	-0.02
7	TMP	Bromomethane	0.491	0.470	4.3	67	-0.02
8	TMP	Chloroethane	0.247	0.270	-9.3	72	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.437	-8.9	74	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	51	-0.02
11	TMP	Acetone	0.025	0.025	0.0	75	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.463	-5.2	72	-0.01
13	TMP	Hexane	0.231	0.254	-10.0	77	-0.01
14	TMP	Methylene chloride	0.235	0.228	3.0	65	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	76	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.608	-10.1	77	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.298	-4.9	73	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.505	-5.0	72	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.344	-5.2	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.283	-9.7	74	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.265	-12.8	81	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.324	-7.3	74	0.00
23	TMP	Chloroform	0.430	0.438	-1.9	70	0.00
24	TMP	2-Butanone (MEK)	0.089	0.099	-11.2	74	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.553	-7.2	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.282	6.3	69	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.473	-8.2	75	0.00
28	TMP	1,1-Dichloropropene	0.293	0.304	-3.8	74	-0.01
29	TMP	Carbon tetrachloride	0.463	0.488	-5.4	72	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	64	0.00
31	TMP	Benzene	0.876	0.904	-3.2	73	0.00
32	TMP	Trichloroethene	0.338	0.325	3.8	69	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.189	-9.2	74	0.00
34	TMP	Bromodichloromethane	0.300	0.316	-5.3	72	0.00
35	S	Toluene-d8	0.931	0.992	-6.6	74	0.00
36	TMP	Dibromomethane	0.171	0.177	-3.5	71	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	74	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.335	-8.4	78	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
40	TMP	Toluene	0.764	0.725	5.1	74	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.321	-1.6	76	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	73	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	73	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	77	0.00
45	TMP	Tetrachloroethene	0.452	0.434	4.0	73	0.00
46	TMP	Dibromochloromethane	0.437	0.456	-4.3	78	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.342	-3.3	77	0.00
48	TMP	Chlorobenzene	0.967	0.973	-0.6	72	0.00
49	TMP	Ethylbenzene	1.331	1.321	0.8	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.414	-5.9	77	0.00
51	TMP	m,p-Xylene	0.590	0.586	0.7	74	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	74	0.00
53	TMP	Styrene	0.855	0.879	-2.8	75	0.00
54	TMP	Isopropylbenzene	1.393	1.387	0.4	73	0.00
55	TMP	Bromoform	0.295	0.291	1.4	75	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
57	S	4-Bromofluorobenzene	0.617	0.643	-4.2	73	0.00
58	TMP	n-Propylbenzene	2.371	2.460	-3.8	73	0.00
59	TMP	Bromobenzene	0.857	0.849	0.9	71	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.996	-2.6	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.496#	-4.9	76	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.349#	4.4	69	0.00
63	TMP	2-Chlorotoluene	1.399	1.406	-0.5	70	0.00
64	TMP	4-Chlorotoluene	1.606	1.645	-2.4	73	0.00
65	TMP	tert-Butylbenzene	2.054	2.038	0.8	70	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.025	-1.7	71	0.00
67	TMP	sec-Butylbenzene	2.531	2.532	-0.0	70	0.00
68	TMP	p-Isopropyltoluene	2.494	2.514	-0.8	70	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.470	4.2	68	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.462	0.8	71	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.375	5.3	68	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.082	2.4	77	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.916	5.1	71	0.00
74	TMP	Hexachlorobutadiene	0.600	0.565	5.8	68	0.00
75	TMP	Naphthalene	1.920	1.951	-1.6	78	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.823	4.3	69	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

EPA 8260D
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst11\VB022223ms11.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration

Non-Spiked Sample: 022407.D

	Spike Sample	Spike Duplicate Sample
File ID :	022404.D	022405.D
Sample :	03-0353 lcs	03-0353 lcsd
Acq Time:	24 Feb 2023 06:36 am	24 Feb 2023 06:58 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	10	11	103	105	3	20	46-206
Chloromethane	0.2	10	10	11	96	105	9	20	70-142
Vinyl chloride	0.0	10	10	11	103	106	3	20	70-130
Bromomethane	0.0	10	11	11	106	115	8	20	50-197
Chloroethane	0.1	10	11	11	108	110	2	20	70-130
Trichlorofluorometha	0.0	10	10	10	99	101	2	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.4	50	20	21	39	41	6	20	10-140
1,1-Dichloroethene	0.0	10	10	11	101	105	4	20	70-130
Hexane	0.0	10	11	10	105	103	2	20	54-136
Methylene chloride	1.9	10	10	11	83	90	8	20	43-134
t-Butyl alcohol (TBA	0.1	50	48	50	97	100	3	20	70-130
Methyl t-butyl ether	0.0	10	10	11	104	108	3	20	70-130
trans-1,2-Dichloroet	0.0	10	11	11	109	113	4	20	70-130
Diisopropyl ether (D	0.0	10	11	11	105	105	0	20	70-130
1,1-Dichloroethane	0.0	10	10	11	105	108	3	20	70-130
Ethyl t-butyl ether	0.0	10	10	10	96	105	9	20	70-130
2,2-Dichloropropane	0.0	10	12	12	116	119	2	20	70-130
cis-1,2-Dichloroethe	0.0	10	11	11	106	108	1	20	70-130
Chloroform	0.0	10	10	10	98	100	2	20	70-130
2-Butanone (MEK)	0.0	50	38	32	75	65	15	20	17-154
t-Amyl methyl ether	0.0	10	10	10	99	101	1	20	70-130
1,2-Dichloroethane (I	0.0	10	10	10	103	100	3	20	70-130
1,1,1-Trichloroethan	0.0	10	11	11	107	110	3	20	70-130
1,1-Dichloropropene	0.0	10	11	10	105	104	1	20	70-130
Carbon tetrachloride	0.0	10	10	10	99	99	0	20	70-130
Benzene	0.0	10	10	10	99	97	3	20	70-130
Trichloroethene	0.0	10	10	10	102	99	3	20	70-130
1,2-Dichloropropane	0.0	10	10	9	95	86	11	20	70-130
Bromodichloromethane	0.0	10	10	9	103	95	8	20	70-130
Dibromomethane	0.0	10	10	10	100	98	2	20	70-130
4-Methyl-2-pentanone	0.0	50	50	48	99	96	3	20	68-130
cis-1,3-Dichloroprop	0.0	10	10	9	103	88	16	20	69-131
Toluene	0.0	10	10	10	100	97	3	20	70-130
trans-1,3-Dichloropr	0.0	10	10	9	98	90	8	20	70-130
1,1,2-Trichloroethan	0.0	10	10	9	98	93	6	20	70-130

2-Hexanone	0.0	50	44	42	87	84	4	20	45-138
1,3-Dichloropropane	0.0	10	11	10	106	99	7	20	70-130
Tetrachloroethene	0.0	10	10	10	101	99	2	20	70-130
Dibromochloromethane	0.0	10	10	10	100	99	1	20	60-148
1,2-Dibromoethane (E	0.0	10	10	10	102	95	7	20	70-130
Chlorobenzene	0.0	10	10	10	101	99	2	20	70-130
Ethylbenzene	0.0	10	10	10	98	97	1	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	11	11	106	108	1	20	70-130
m,p-Xylene	0.0	20	21	21	104	104	1	20	70-130
o-Xylene	0.0	10	10	10	99	101	2	20	70-130
Styrene	0.0	10	10	10	98	98	0	20	70-130
Isopropylbenzene	0.0	10	11	11	107	109	2	20	70-130
Bromoform	0.0	10	10	9	101	94	8	20	69-138
n-Propylbenzene	0.0	10	11	11	107	105	2	20	70-130
Bromobenzene	0.0	10	10	10	100	98	3	20	70-130
1,3,5-Trimethylbenze	0.0	10	11	10	106	102	3	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	11	12	114	115	1	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	102	102	1	20	70-130
2-Chlorotoluene	0.0	10	10	10	104	102	2	20	70-130
4-Chlorotoluene	0.0	10	10	10	102	99	2	20	70-130
tert-Butylbenzene	0.0	10	11	10	106	101	5	20	70-130
1,2,4-Trimethylbenze	0.0	10	11	11	105	105	0	20	70-130
sec-Butylbenzene	0.0	10	11	11	108	106	2	20	70-130
p-Isopropyltoluene	0.0	10	11	11	107	107	0	20	70-130
1,3-Dichlorobenzene	0.0	10	10	10	102	100	3	20	70-130
1,4-Dichlorobenzene	0.0	10	10	10	104	102	2	20	70-130
1,2-Dichlorobenzene	0.0	10	10	11	104	107	3	20	70-130
1,2-Dibromo-3-chloro	0.0	10	11	11	111	108	3	20	70-130
1,2,4-Trichlorobenze	0.1	10	10	11	104	106	3	20	70-130
Hexachlorobutadiene	0.1	10	12	12	116	119	2	20	70-130
Naphthalene	0.1	10	10	11	102	106	4	20	70-130
1,2,3-Trichlorobenze	0.1	10	11	11	107	112	5	20	70-130

- Fails Limit Check

VB022223ms11.M Fri Feb 24 09:42:28 2023

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst11\VB022223ms11.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration

Non-Spiked Sample: 022417.D

	Spike Sample	Spike Duplicate Sample
File ID :	022425.D	022425.D
Sample :	302300-07 ms	302300-07 ms
Acq Time:	24 Feb 2023 02:49 pm	24 Feb 2023 02:49 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	10	10	96	96	0	20	46-206
Chloromethane	0.5	10	8	8	72	72	0	20	70-142
Vinyl chloride	0.0	10	8	8	78	78	0	20	70-130
Bromomethane	0.0	10	8	8	81	81	0	20	50-197
Chloroethane	0.0	10	8	8	84	84	0	20	70-130
Trichlorofluorometha	0.0	10	10	10	102	102	0	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	1.1	50	21	21	39	39	0	20	10-140
1,1-Dichloroethene	0.0	10	10	10	98	98	0	20	70-130
Hexane	0.1	10	10	10	102	102	0	20	54-136
Methylene chloride	0.6	10	9	9	86	86	0	20	43-134
t-Butyl alcohol (TBA	0.0	50	52	52	104	104	0	20	70-130
Methyl t-butyl ether	0.0	10	10	10	98	98	0	20	70-130
trans-1,2-Dichloroet	0.0	10	11	11	106	106	0	20	70-130
Diisopropyl ether (D	0.0	10	10	10	100	100	0	20	70-130
1,1-Dichloroethane	0.0	10	10	10	98	98	0	20	70-130
Ethyl t-butyl ether	0.0	10	9	9	91	91	0	20	70-130
2,2-Dichloropropane	0.0	10	11	11	108	108	0	20	70-130
cis-1,2-Dichloroethe	0.1	10	11	11	104	104	0	20	70-130
Chloroform	0.2	10	10	10	98	98	0	20	70-130
2-Butanone (MEK)	0.2	50	33	33	66	66	0	20	17-154
t-Amyl methyl ether	0.0	10	9	9	89	89	0	20	70-130
1,2-Dichloroethane (I	0.0	10	11	11	106	106	0	20	70-130
1,1,1-Trichloroethan	0.0	10	11	11	110	110	0	20	70-130
1,1-Dichloropropene	0.0	10	10	10	102	102	0	20	70-130
Carbon tetrachloride	0.0	10	11	11	109	109	0	20	70-130
Benzene	0.0	10	10	10	96	96	0	20	70-130
Trichloroethene	0.5	10	11	11	101	101	0	20	70-130
1,2-Dichloropropane	0.0	10	9	9	92	92	0	20	70-130
Bromodichloromethane	0.0	10	10	10	101	101	0	20	70-130
Dibromomethane	0.0	10	10	10	105	105	0	20	70-130
4-Methyl-2-pentanone	0.0	50	53	53	106	106	0	20	68-130
cis-1,3-Dichloroprop	0.0	10	10	10	104	104	0	20	69-131
Toluene	0.0	10	9	9	93	93	0	20	70-130
trans-1,3-Dichloropr	0.0	10	9	9	94	94	0	20	70-130
1,1,2-Trichloroethan	0.0	10	9	9	93	93	0	20	70-130

2-Hexanone	0.0	50	44	44	87	87	0	20	46-138
1,3-Dichloropropane	0.0	10	10	10	100	100	0	20	70-130
Tetrachloroethene	1.8	10	12	12	101	101	0	20	70-130
Dibromochloromethane	0.0	10	11	11	105	105	0	20	60-148
1,2-Dibromoethane (E	0.0	10	10	10	100	100	0	20	70-130
Chlorobenzene	0.0	10	10	10	101	101	0	20	70-130
Ethylbenzene	0.1	10	10	10	95	95	0	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	10	105	105	0	20	70-130
m,p-Xylene	0.0	20	21	21	103	103	0	20	70-130
o-Xylene	0.0	10	10	10	96	96	0	20	70-130
Styrene	0.0	10	10	10	96	96	0	20	70-130
Isopropylbenzene	0.0	10	10	10	103	103	0	20	70-130
Bromoform	0.0	10	11	11	105	105	0	20	69-138
n-Propylbenzene	0.0	10	10	10	100	100	0	20	70-130
Bromobenzene	0.0	10	10	10	103	103	0	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	10	98	98	0	20	70-130
1,1,2,2-Tetrachloroe	0.0	10	10	10	103	103	0	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	95	95	0	20	70-130
2-Chlorotoluene	0.0	10	9	9	94	94	0	20	70-130
4-Chlorotoluene	0.0	10	10	10	96	96	0	20	70-130
tert-Butylbenzene	0.0	10	10	10	98	98	0	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	10	98	98	0	20	70-130
sec-Butylbenzene	0.0	10	10	10	98	98	0	20	70-130
p-Isopropyltoluene	0.0	10	10	10	101	101	0	20	70-130
1,3-Dichlorobenzene	0.0	10	10	10	98	98	0	20	70-130
1,4-Dichlorobenzene	0.0	10	10	10	100	100	0	20	70-130
1,2-Dichlorobenzene	0.0	10	10	10	101	101	0	20	70-130
1,2-Dibromo-3-chloro	0.0	10	9	9	92	92	0	20	70-130
1,2,4-Trichlorobenze	0.0	10	10	10	100	100	0	20	70-130
Hexachlorobutadiene	0.0	10	11	11	111	111	0	20	70-130
Naphthalene	0.1	10	9	9	93	93	0	20	70-130
1,2,3-Trichlorobenze	0.0	10	10	10	99	99	0	20	70-130

- Fails Limit Check

VB022223ms11.M Mon Feb 27 11:02:07 2023

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022404.D
Acq On : 24 Feb 2023 06:36 am
Operator : LM
Sample : 03-0353 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:39:01 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	278365	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	216800	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	125200	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	80006	10.329	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%			
30) 1,2-Dichloroethane-d4	4.35	102	16983	9.867	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 98.70%			
35) Toluene-d8	5.97	98	268126	10.234	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.30%			
57) 4-Bromofluorobenzene	8.38	95	90211	9.946	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.50%			
Target Compounds						Qvalue
2) Ethanol	1.86	45	501	No Calib		
4) Dichlorodifluoromethane	1.08	85	156931	10.266	ppb	99
5) Chloromethane	1.22	50	194701	9.790	ppb	95
6] Vinyl chloride	1.29	62	172301	10.263	ppb	93
7) Bromomethane	1.52	94	105860	10.619	ppb	82
8] Chloroethane	1.60	64	84227	10.875	ppb	100
9) Trichlorofluoromethane	1.77	101	210625	9.867	ppb	93
10) 2-Propanol	2.39	45	549	No Calib		
11) Acetone	2.25	58	39433	19.744	ppb	94
12] 1,1-Dichloroethene	2.18	96	83788	10.146	ppb	94
13) Hexane	3.05	57	123179	10.529	ppb	98
14) Methylene chloride	2.60	84	79668	10.269	ppb	99
15) t-Butyl alcohol (TBA)	2.72	59	53994	48.476	ppb	92
16] Methyl t-butyl ether (...	2.83	73	200958	10.436	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	78192	10.943	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	286361	10.509	ppb	99
19] 1,1-Dichloroethane	3.17	63	152647	10.460	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	77598	9.565	ppb	91
21) 2,2-Dichloropropane	3.66	77	98248	11.624	ppb	98
22] cis-1,2-Dichloroethene	3.66	96	85154	10.599	ppb	96
23) Chloroform	3.94	83	129543	9.839	ppb	92
24) 2-Butanone (MEK)	3.69	43	256857	37.501	ppb	95
25) t-Amyl methyl ether (T...	4.49	73	179820	9.950	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	118166	10.300	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	130270	10.691	ppb	98
28) 1,1-Dichloropropene	4.21	75	100079	10.528	ppb	89
29) Carbon tetrachloride	4.21	117	112743	9.878	ppb	95
31] Benzene	4.38	78	289405	9.916	ppb	99
32] Trichloroethene	4.93	95	85351	10.207	ppb	94
33) 1,2-Dichloropropane	5.12	63	78464	9.553	ppb	97
34) Bromodichloromethane	5.37	83	100595	10.302	ppb	96
36) Dibromomethane	5.22	93	49229	10.075	ppb	88

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022404.D
Acq On : 24 Feb 2023 06:36 am
Operator : LM
Sample : 03-0353 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:39:01 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

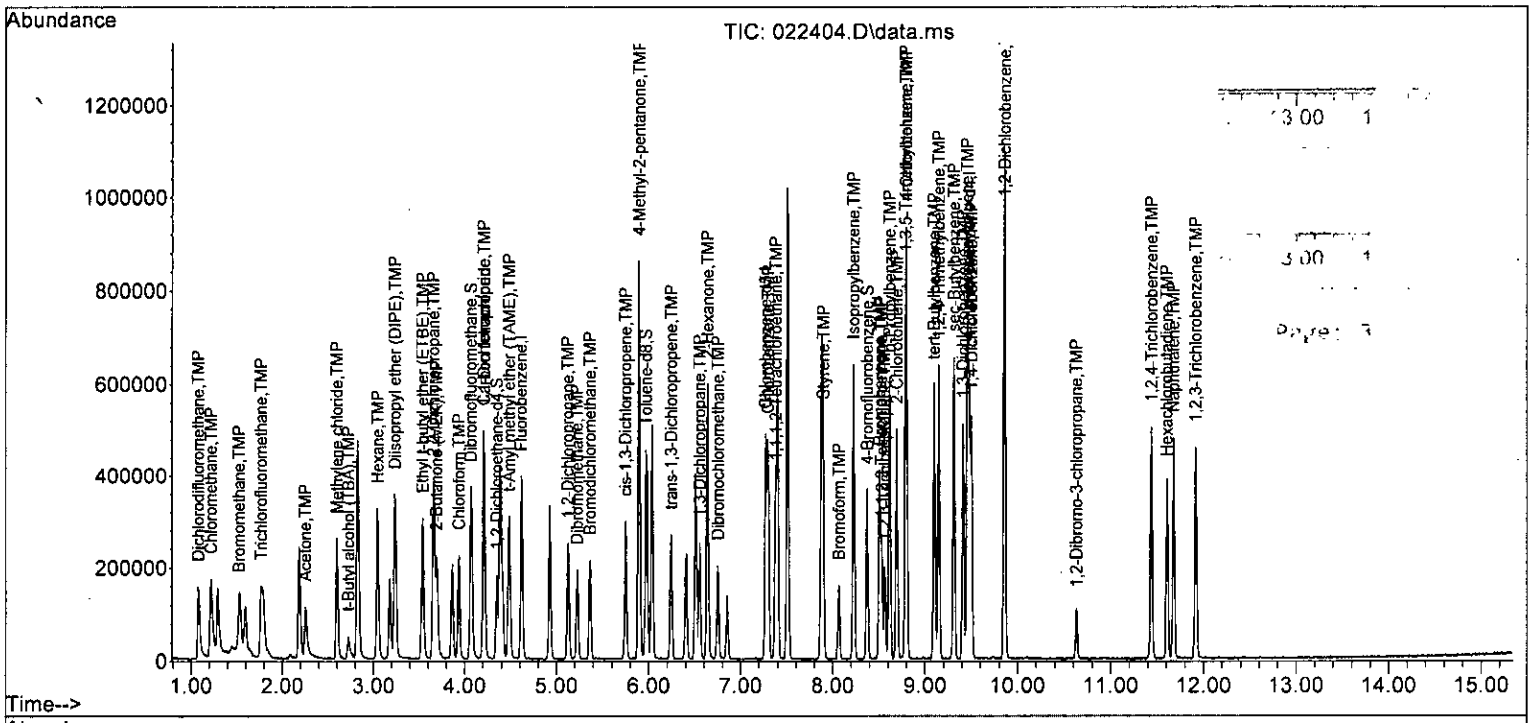
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	67735	49.636	ppb	#	82
38) cis-1,3-Dichloropropene	5.75	75	117071	10.338	ppb		92
40] Toluene	6.03	92	185665	9.972	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	101578	9.768	ppb		94
42] 1,1,2-Trichloroethane	6.40	83	55846	9.825	ppb		93
43) 2-Hexanone	6.64	43	361037	43.705	ppb		97
44) 1,3-Dichloropropane	6.55	76	99788	10.635	ppb		99
45] Tetrachloroethene	6.51	164	88495	10.137	ppb		98
46) Dibromochloromethane	6.75	129	84348	10.080	ppb		91
47] 1,2-Dibromoethane (EDB)	6.85	107	75585	10.260	ppb		100
48) Chlorobenzene	7.29	112	205651	10.076	ppb		98
49] Ethylbenzene	7.40	91	347673	9.824	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	83298	10.628	ppb		96
51] m,p-Xylene	7.51	106	272245	20.887	ppb		95
52] o-Xylene	7.88	106	138309	9.919	ppb		93
53) Styrene	7.90	104	205581	9.833	ppb		99
54) Isopropylbenzene	8.23	105	341543	10.674	ppb		96
55) Bromoform	8.07	173	69182	10.139	ppb		95
58) n-Propylbenzene	8.62	91	389292	10.723	ppb		97
59) Bromobenzene	8.51	156	105118	10.061	ppb		92
60) 1,3,5-Trimethylbenzene	8.79	105	283603	10.601	ppb		96
61) 1,1,2,2-Tetrachloroethane	8.53	83	90044	11.359	ppb		97
62) 1,2,3-Trichloropropane	8.56	75	65301	10.256	ppb		99
63) 2-Chlorotoluene	8.70	91	227822	10.432	ppb		95
64) 4-Chlorotoluene	8.80	91	256520	10.218	ppb		92
65) tert-Butylbenzene	9.10	119	264521	10.604	ppb		96
66) 1,2,4-Trimethylbenzene	9.15	105	293744	10.571	ppb		98
67) sec-Butylbenzene	9.31	105	379068	10.804	ppb		99
68) p-Isopropyltoluene	9.46	119	335386	10.737	ppb		97
69) 1,3-Dichlorobenzene	9.41	146	190960	10.274	ppb		97
70) 1,4-Dichlorobenzene	9.50	146	191928	10.443	ppb		97
71) 1,2-Dichlorobenzene	9.86	146	185692	10.407	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.63	75	20196	11.136	ppb	#	64
73) 1,2,4-Trichlorobenzene	11.44	180	151438	10.453	ppb		98
74) Hexachlorobutadiene	11.61	225	80858	11.671	ppb		91
75) Naphthalene	11.68	128	333399	10.298	ppb		98
76) 1,2,3-Trichlorobenzene	11.91	180	142370	10.755	ppb		92

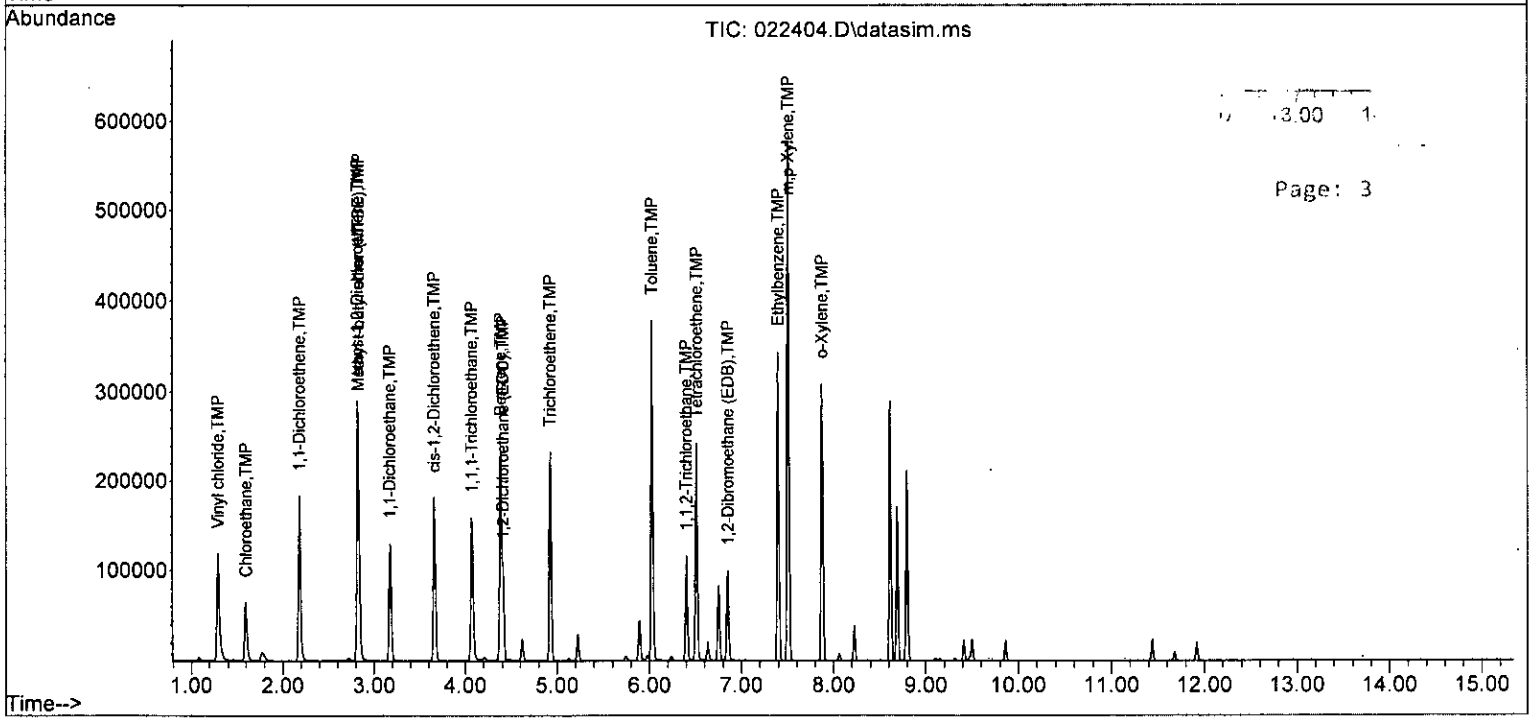
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022404.D
Acq On : 24 Feb 2023 06:36 am
Operator : LM
Sample : 03-0353 lcs
Misc : water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:39:01 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022405.D
Acq On : 24 Feb 2023 06:58 am
Operator : LM
Sample : 03-0353 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:39:05 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	261714	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	190254	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	112815	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	77232	10.605	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.00%				
30) 1,2-Dichloroethane-d4	4.35	102	14995	9.266	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 92.70%				
35) Toluene-d8	5.97	98	234108	9.504	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 95.00%				
57) 4-Bromofluorobenzene	8.38	95	81917	10.023	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 100.20%				
Target Compounds							Qvalue
2) Ethanol	1.89	45	71	No Calib			
4) Dichlorodifluoromethane	1.08	85	151794	10.562	ppb		99
5) Chloromethane	1.22	50	199570	10.674	ppb		96
6] Vinyl chloride	1.29	62	166812	10.568	ppb		91
7) Bromomethane	1.53	94	107477	11.467	ppb		90
8] Chloroethane	1.60	64	80992	11.123	ppb		99
9) Trichlorofluoromethane	1.77	101	202561	10.093	ppb		89
10) 2-Propanol	2.38	45	900	No Calib			
11) Acetone	2.26	58	39474	21.022	ppb		95
12] 1,1-Dichloroethene	2.18	96	81634	10.514	ppb		89
13) Hexane	3.05	57	113139	10.286	ppb		99
14) Methylene chloride	2.60	84	80117	10.983	ppb		91
15) t-Butyl alcohol (TBA)	2.72	59	52432	50.069	ppb		90
16] Methyl t-butyl ether (...	2.83	73	195022	10.772	ppb		99
17] trans-1,2-Dichloroethene	2.82	96	76178	11.340	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	269744	10.529	ppb		98
19] 1,1-Dichloroethane	3.17	63	147941	10.782	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	79944	10.481	ppb	#	86
21) 2,2-Dichloropropane	3.66	77	94118	11.856	ppb		90
22] cis-1,2-Dichloroethene	3.66	96	81240	10.755	ppb		98
23) Chloroform	3.94	83	124323	10.044	ppb		93
24) 2-Butanone (MEK)	3.70	43	207813	32.271	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	171028	10.066	ppb		99
26] 1,2-Dichloroethane (EDC)	4.41	62	107437	9.959	ppb		100
27] 1,1,1-Trichloroethane	4.07	97	125750	10.977	ppb		98
28) 1,1-Dichloropropene	4.21	75	93471	10.459	ppb		94
29) Carbon tetrachloride	4.21	117	106438	9.919	ppb		91
31] Benzene	4.38	78	265072	9.660	ppb		100
32] Trichloroethene	4.93	95	78032	9.925	ppb		95
33) 1,2-Dichloropropane	5.12	63	66251	8.579	ppb		97
34) Bromodichloromethane	5.37	83	87018	9.478	ppb		98
36) Dibromomethane	5.22	93	45263	9.853	ppb		94

Page: 1

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022405.D
Acq On : 24 Feb 2023 06:58 am
Operator : LM
Sample : 03-0353 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

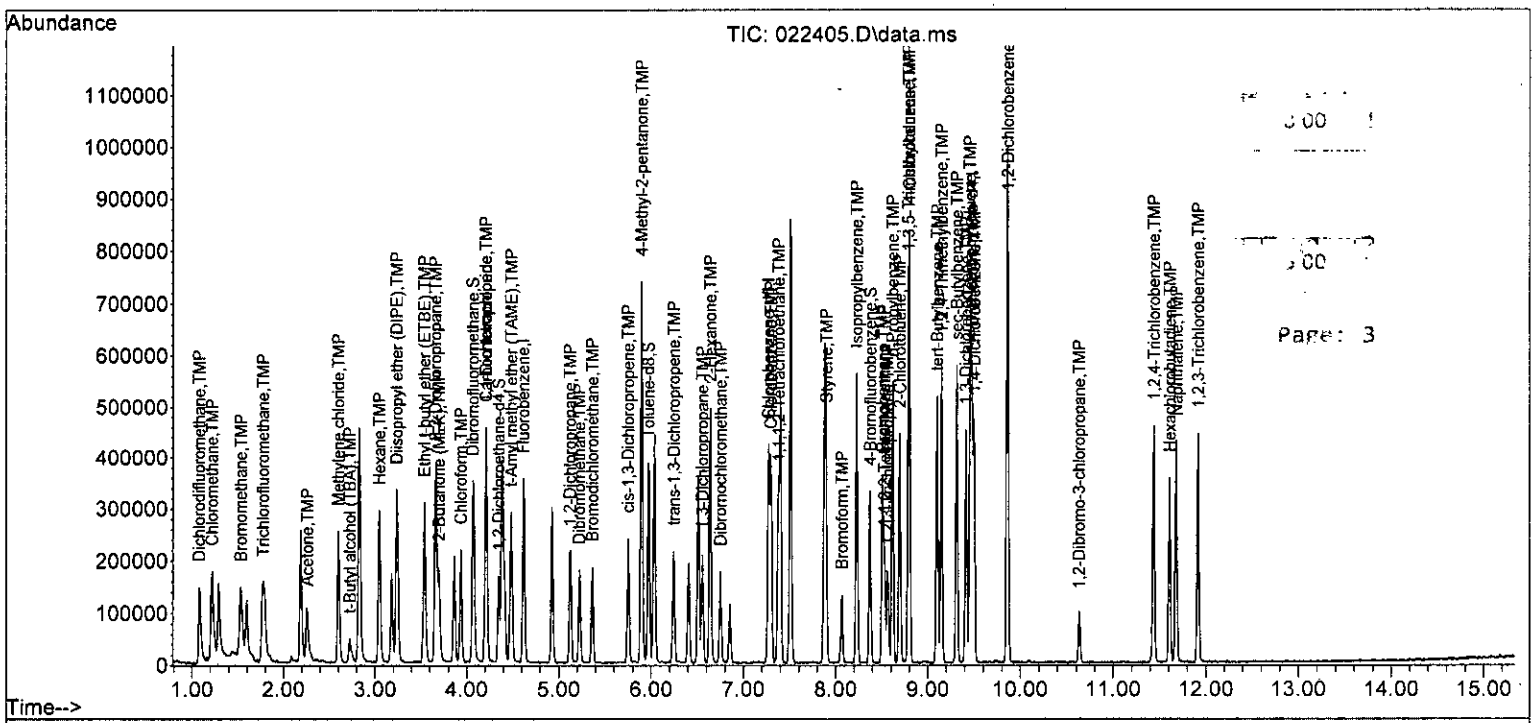
Quant Time: Feb 24 09:39:05 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

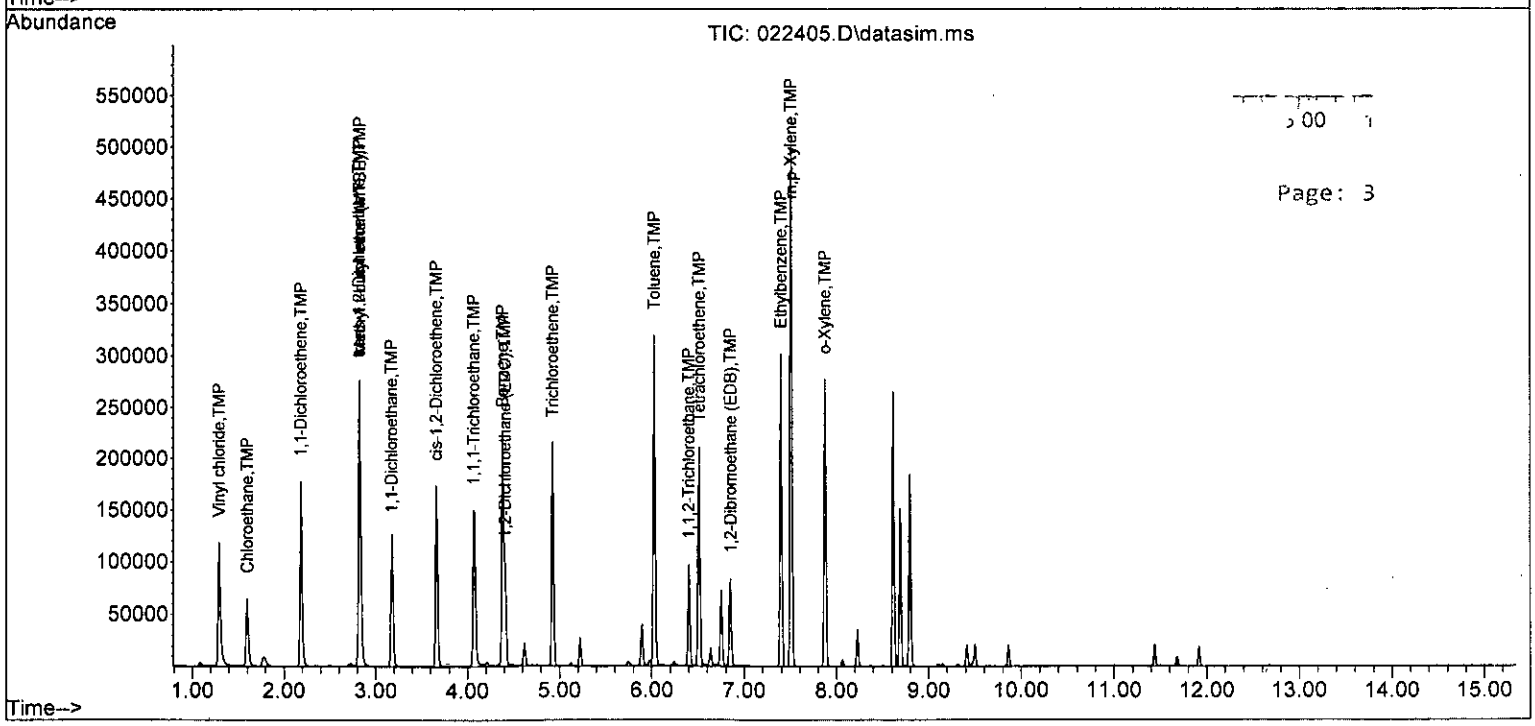
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	61694	48.086	ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	93698	8.801	ppb		93
40] Toluene	6.03	92	158739	9.716	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	82002	8.985	ppb		93
42] 1,1,2-Trichloroethane	6.40	83	46351	9.292	ppb		96
43) 2-Hexanone	6.64	43	305706	42.170	ppb		98
44) 1,3-Dichloropropane	6.55	76	81520	9.900	ppb		97
45] Tetrachloroethene	6.51	164	76078	9.931	ppb		98
46) Dibromochloromethane	6.75	129	73160	9.963	ppb		91
47] 1,2-Dibromoethane (EDB)	6.85	107	61686	9.541	ppb		100
48) Chlorobenzene	7.29	112	177031	9.884	ppb		96
49] Ethylbenzene	7.40	91	302454	9.739	ppb		98
50) 1,1,1,2-Tetrachloroethane	7.38	131	74076	10.771	ppb		91
51] m,p-Xylene	7.51	106	236920	20.712	ppb		96
52] o-Xylene	7.88	106	123405	10.085	ppb		95
53) Styrene	7.90	104	179978	9.810	ppb		95
54) Isopropylbenzene	8.23	105	307003	10.934	ppb		98
55) Bromoform	8.07	173	56078	9.365	ppb		98
58) n-Propylbenzene	8.62	91	343549	10.502	ppb		100
59) Bromobenzene	8.51	156	91968	9.769	ppb		95
60) 1,3,5-Trimethylbenzene	8.79	105	246824	10.239	ppb		91
61) 1,1,2,2-Tetrachloroethane	8.53	83	82161	11.504	ppb		95
62) 1,2,3-Trichloropropane	8.56	75	58349	10.170	ppb		98
63) 2-Chlorotoluene	8.70	91	200369	10.182	ppb		97
64) 4-Chlorotoluene	8.80	91	225518	9.969	ppb		93
65) tert-Butylbenzene	9.10	119	226542	10.078	ppb		95
66) 1,2,4-Trimethylbenzene	9.15	105	263418	10.520	ppb		99
67) sec-Butylbenzene	9.31	105	334806	10.590	ppb		100
68) p-Isopropyltoluene	9.46	119	302970	10.764	ppb		99
69) 1,3-Dichlorobenzene	9.41	146	167082	9.976	ppb		98
70) 1,4-Dichlorobenzene	9.50	146	169384	10.228	ppb		95
71) 1,2-Dichlorobenzene	9.86	146	171925	10.694	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	17714	10.839	ppb	#	39
73) 1,2,4-Trichlorobenzene	11.44	180	139927	10.719	ppb		99
74) Hexachlorobutadiene	11.61	225	74644	11.957	ppb		91
75) Naphthalene	11.68	128	312744	10.720	ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	134297	11.259	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : T:\GCMS11\GCMS11_Data\02-24-23\
Data File : 022405.D
Acq On : 24 Feb 2023 06:58 am
Operator : LM
Sample : 03-0353 lcsd
Misc : water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 09:39:05 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

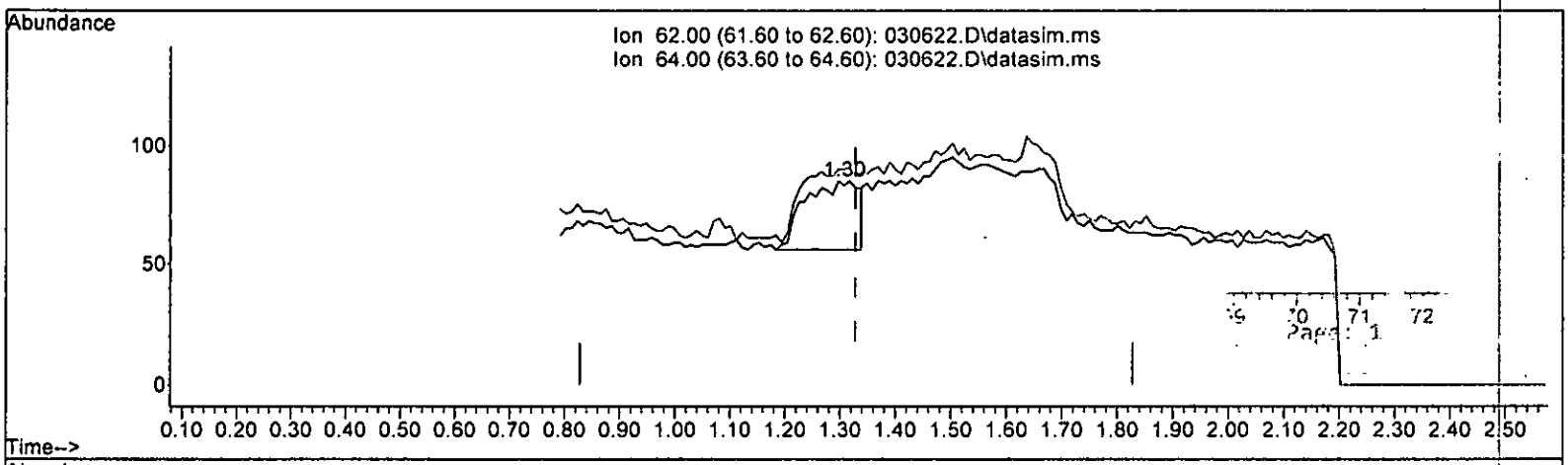


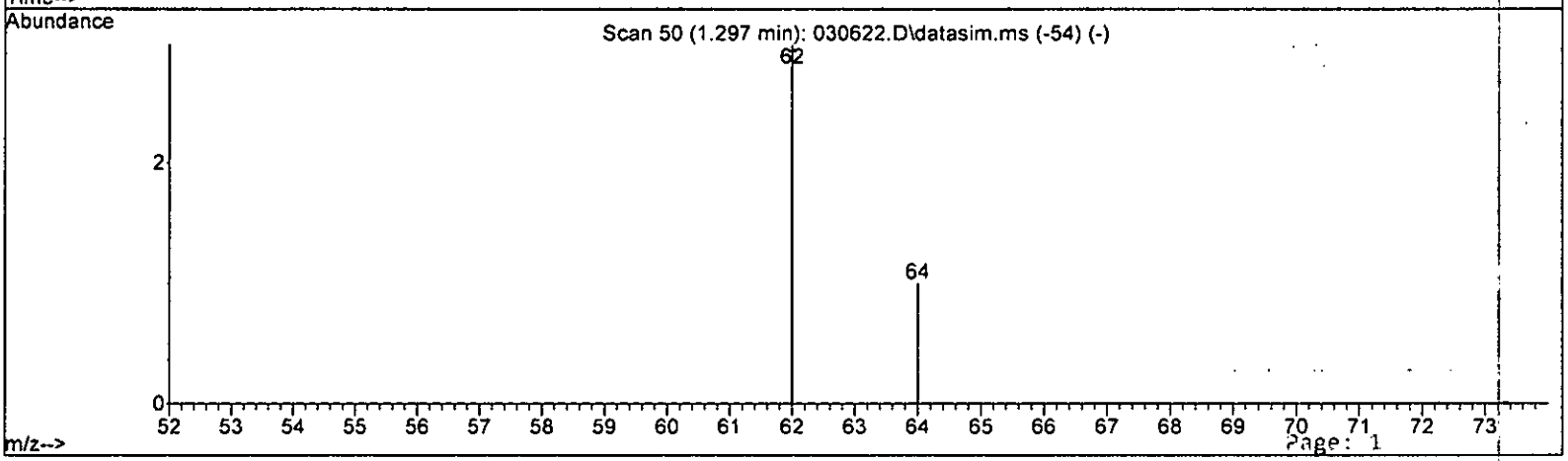


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Page: 1

TIC: 030622.D\data.ms

(6) Vinyl chloride (TMP)

1.297min (-0.031) 0.090 ppb

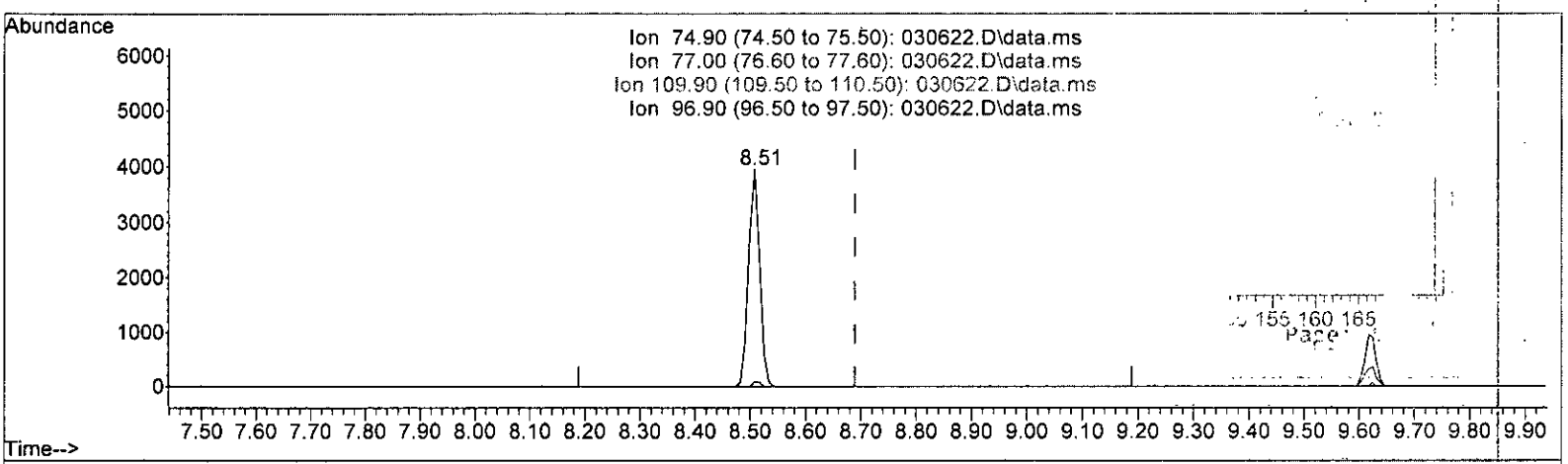
response 195

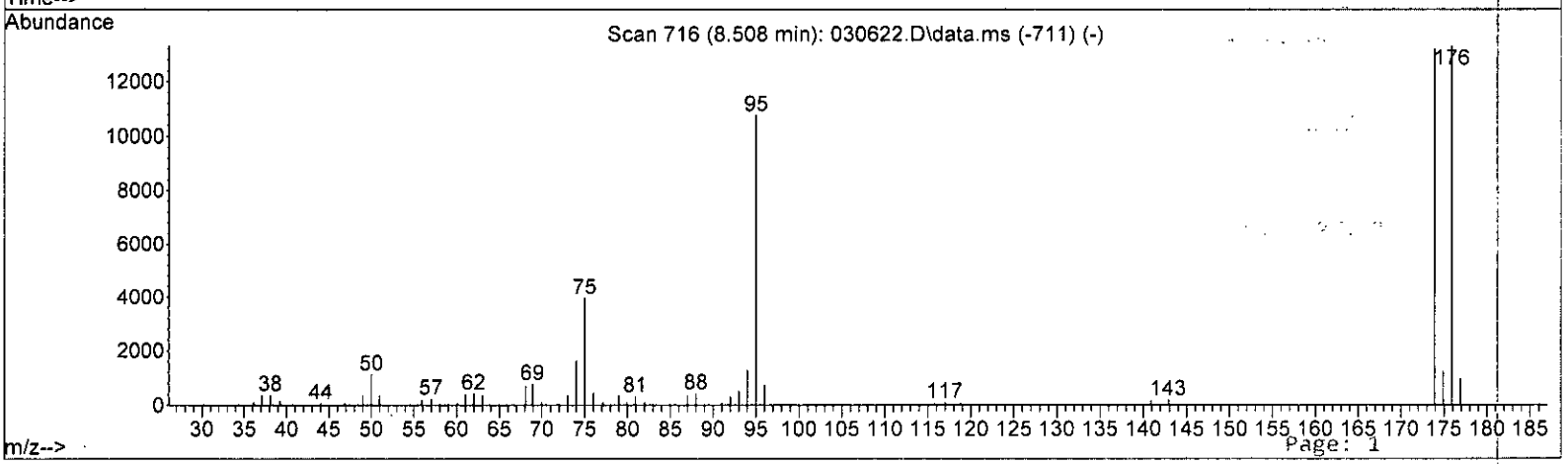
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	96.55#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030622.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 6.742 ppb

response 5545

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	2.10#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

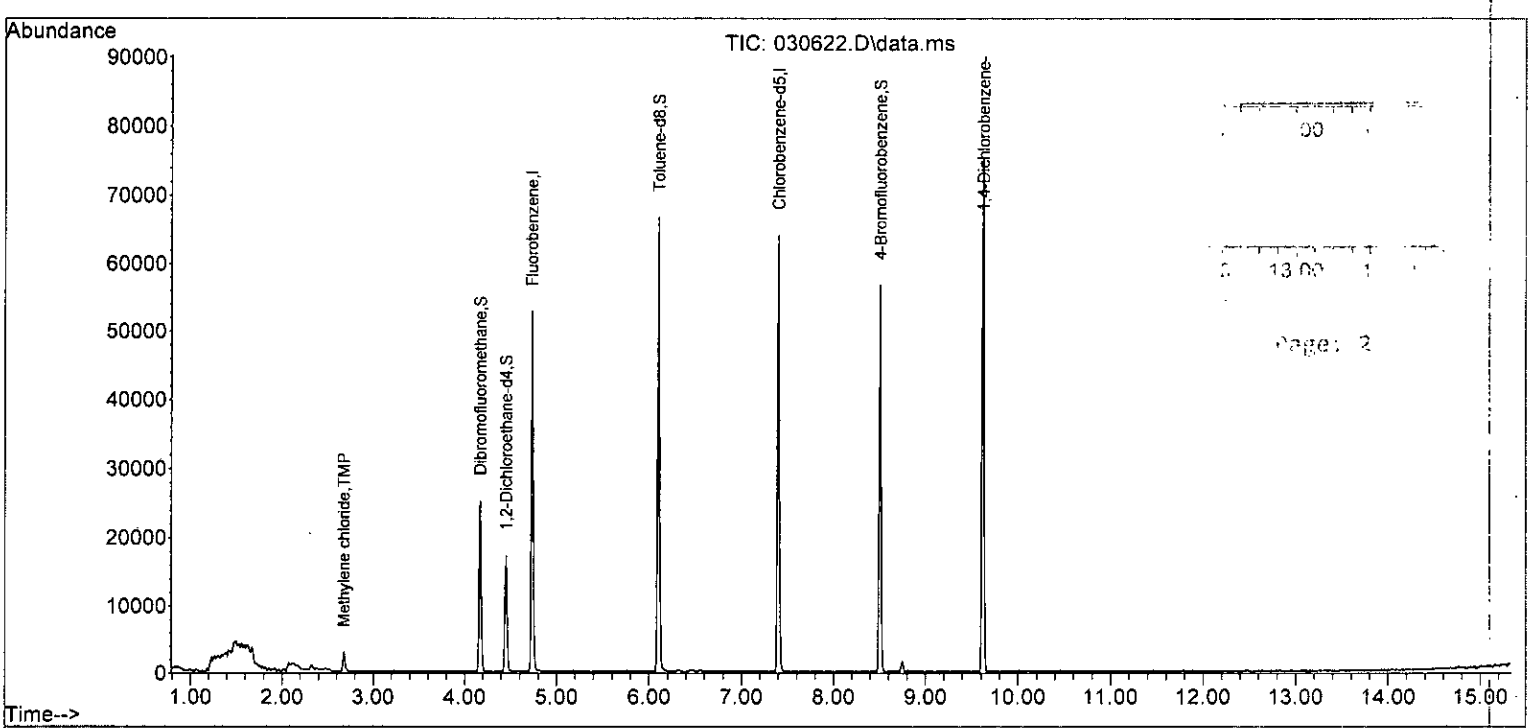
Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

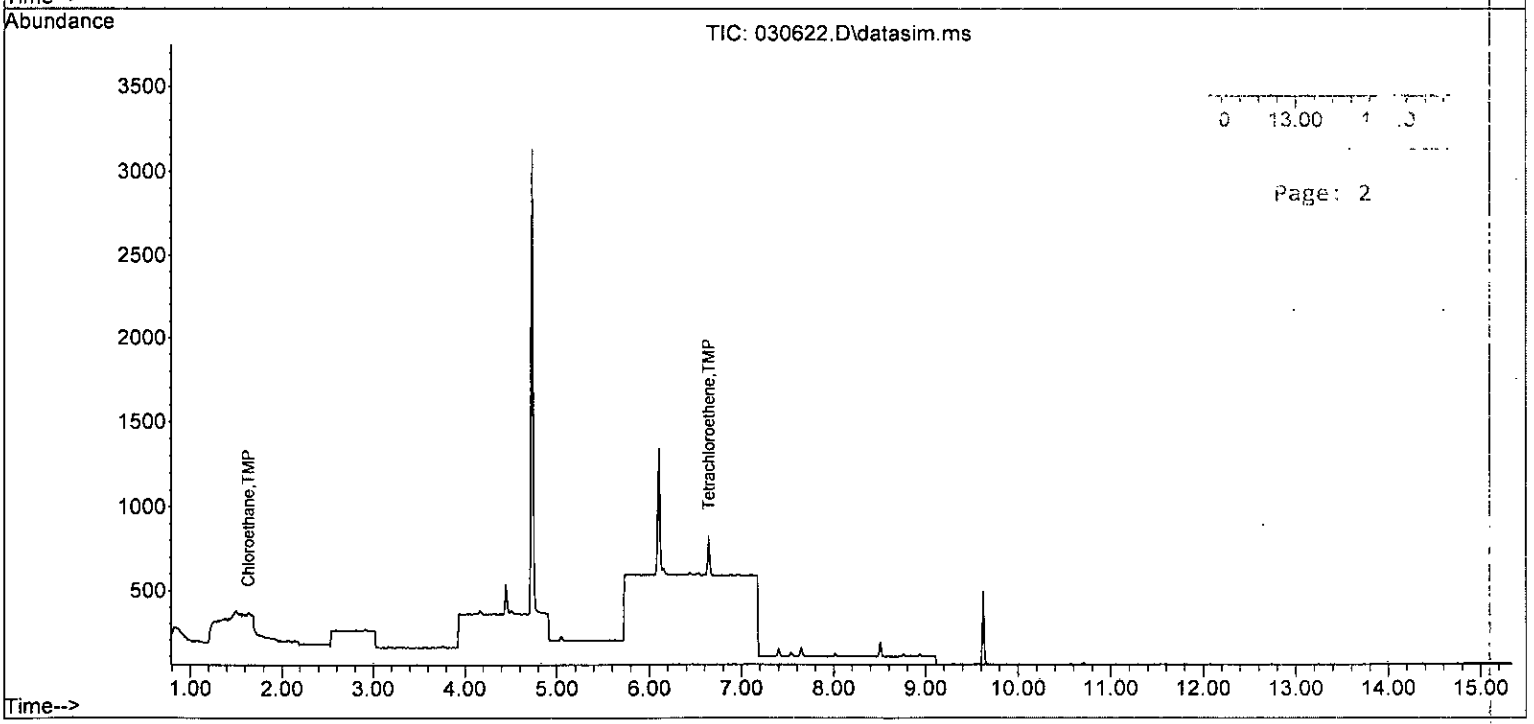
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	42138	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	40176	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22544	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	13539	10.290 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.90%		
30) 1,2-Dichloroethane-d4	4.45	102	2767	10.592 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.90%		
35) Toluene-d8	6.11	98	41743	10.639 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 106.40%		
57) 4-Bromofluorobenzene	8.51	95	14360	10.331 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.30%		
Target Compounds					Qvalue
7) Bromomethane	1.56	94	390	Below Cal #	3
8] Chloroethane	1.64	64	149	0.252 ppb #	1
14) Methylene chloride	2.68	84	1356	1.597 ppb	92
45] Tetrachloroethene	6.65	164	88	0.043 ppb	95
49] Ethylbenzene	7.53	91	26	Below Cal	90
51] m,p-Xylene	7.64	106	29	Below Cal	87

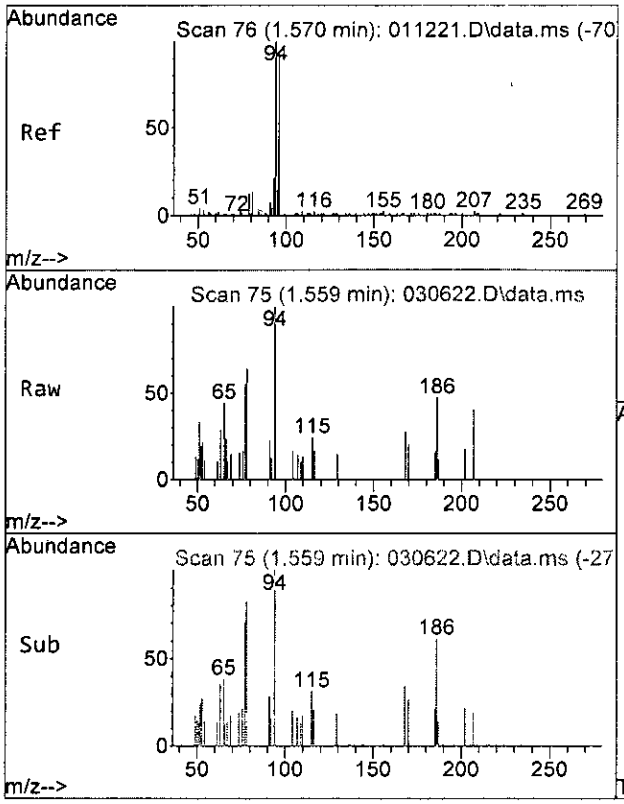
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



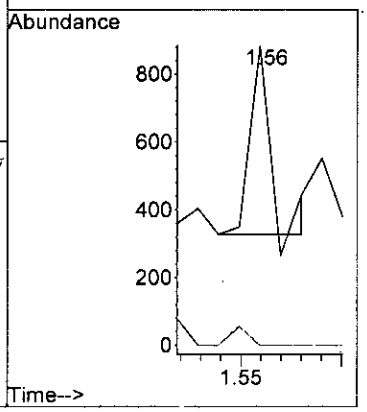


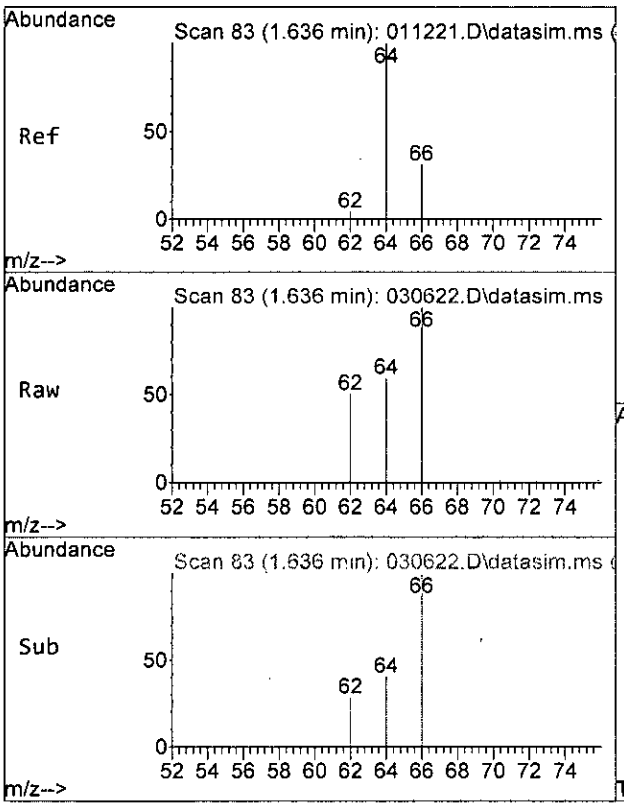


#7
Bromomethane
Concen: Below Cal
RT: 1.56 min Scan# 75
Delta R.T. -0.011 min
Lab File: 030622.D
Acq: 06 Mar 2023 04:02 pm

Tgt Ion: 94 Resp: 390

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

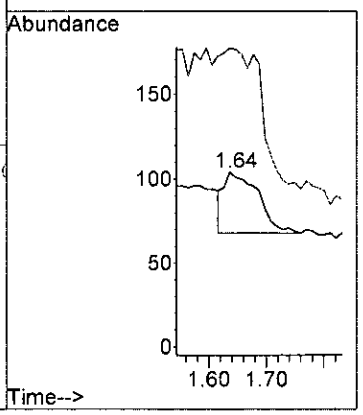


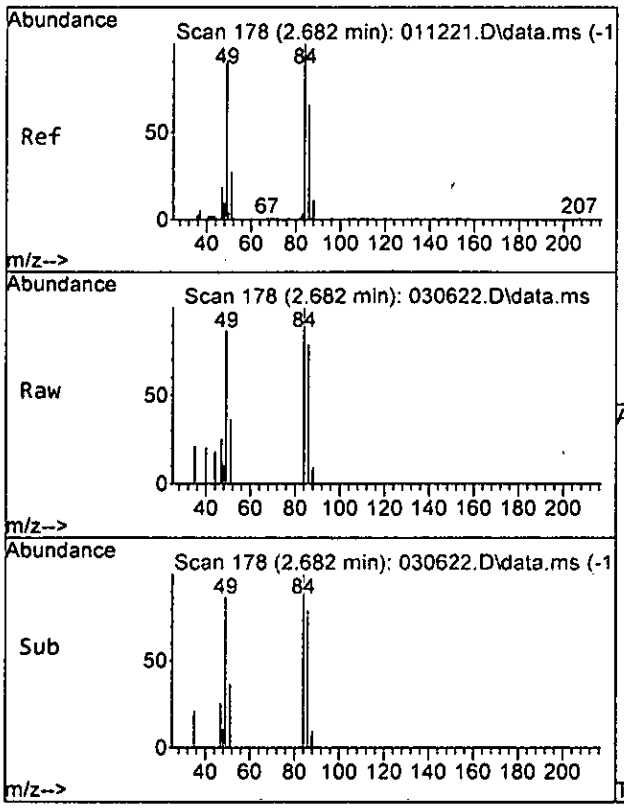


#8
Chloroethane
Concen: 0.252 ppb
RT: 1.64 min Scan# 83
Delta R.T. -0.021 min
Lab File: 030622.D
Acq: 06 Mar 2023 04:02 pm

Tgt Ion: 64 Resp: 149

Ion	Ratio	Lower	Upper
64	100		
66	230.6	5.3	65.3#

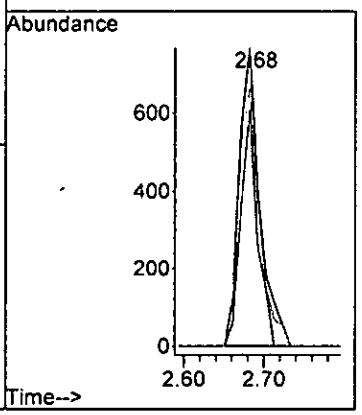


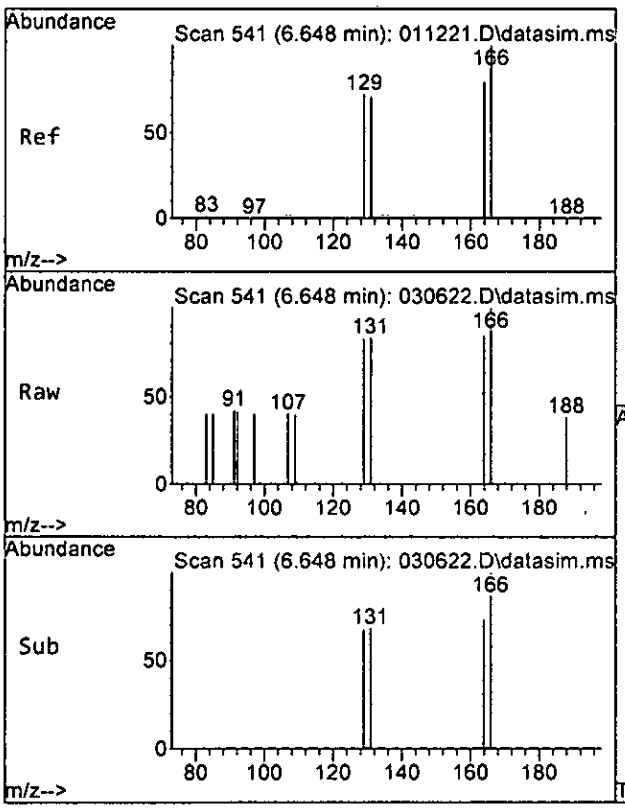


#14
Methylene chloride
Concen: 1.597 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.011 min
Lab File: 030622.D
Acq: 06 Mar 2023 04:02 pm

Tgt Ion: 84 Resp: 1356

Ion	Ratio	Lower	Upper
84	100		
86	79.4	35.3	95.3
49	86.8	57.8	117.8

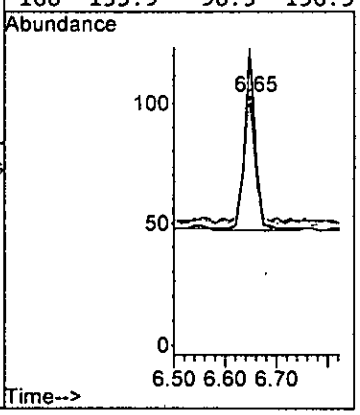




#45
Tetrachloroethene
Concen: 0.043 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030622.D
Acq: 06 Mar 2023 04:02 pm

Tgt Ion:164 Resp: 88

Ion	Ratio	Lower	Upper
164	100		
129	91.1	59.5	119.5
131	92.9	58.6	118.6
166	133.9	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	42138	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	40176	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22544	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	13539	10.290 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.90%		
30) 1,2-Dichloroethane-d4	4.45	102	2767	10.592 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.90%		
35) Toluene-d8	6.11	98	41743	10.639 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 106.40%		
57) 4-Bromofluorobenzene	8.51	95	14360	10.331 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.30%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	474	N.D.	
6) Vinyl chloride	0.00		0	N.D. d	
7) Bromomethane	1.56	94	390	Below Cal #	3
8] Chloroethane	1.64	64	149	0.252 ppb #	1
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.32	58	157	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D.	
13) Hexane	0.00		0	N.D.	
14) Methylene chloride	2.68	84	1356	1.597 ppb	92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	0.00		0	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D.	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	0.00		0	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

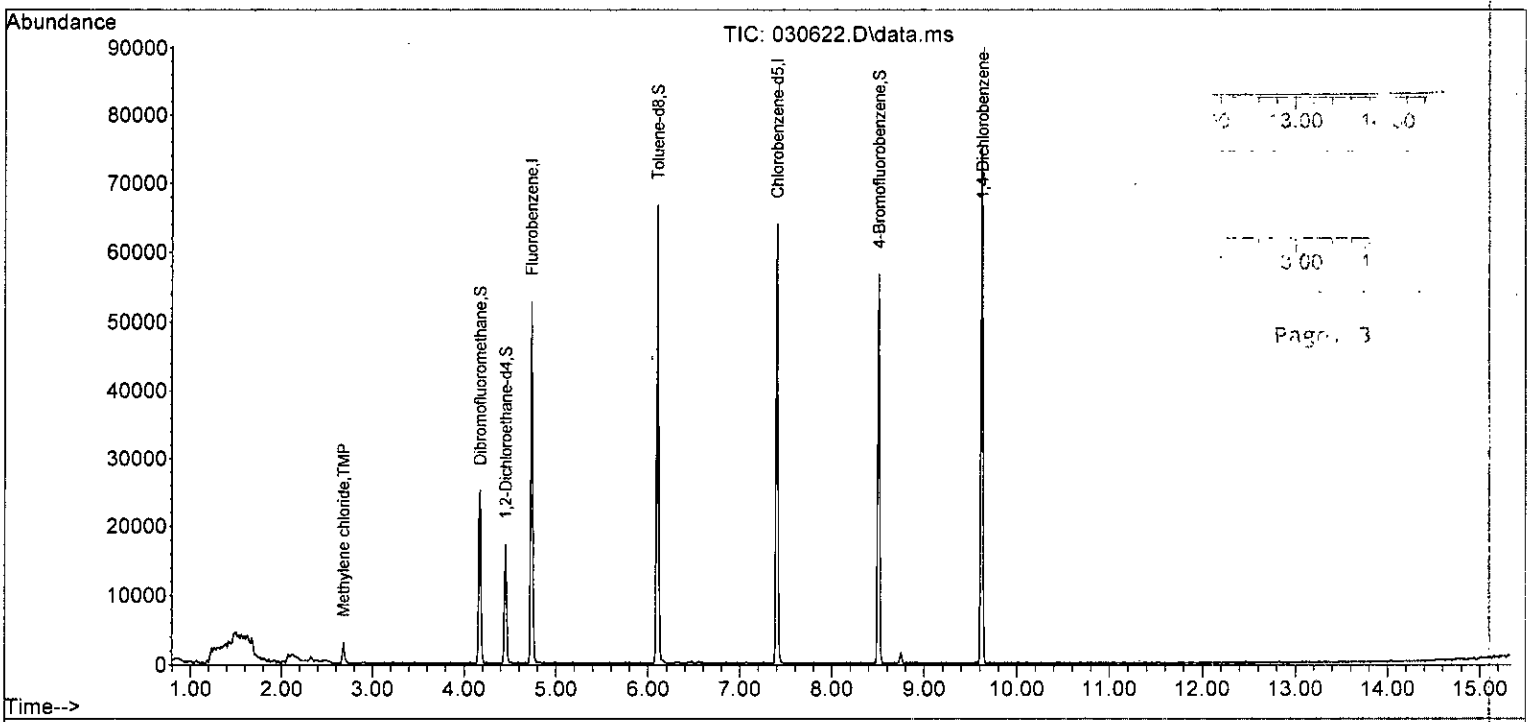
Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

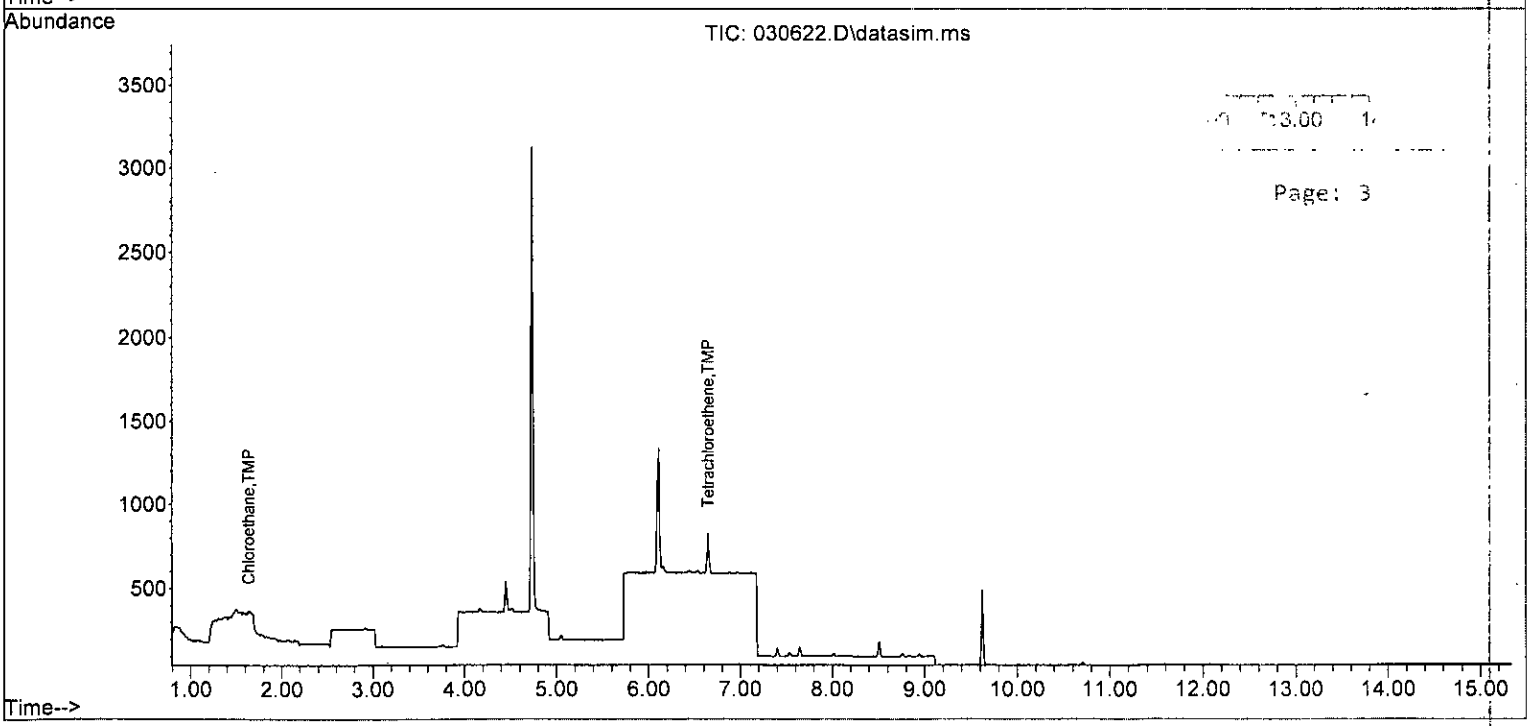
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	0.00		0	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	88	0.043	ppb	95
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.53	91	26	Below Cal		90
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.64	106	29	Below Cal		87
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.		
67) sec-Butylbenzene	0.00		0	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030622.D
Acq On : 06 Mar 2023 04:02 pm
Operator : lm
Sample : 03-0353 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

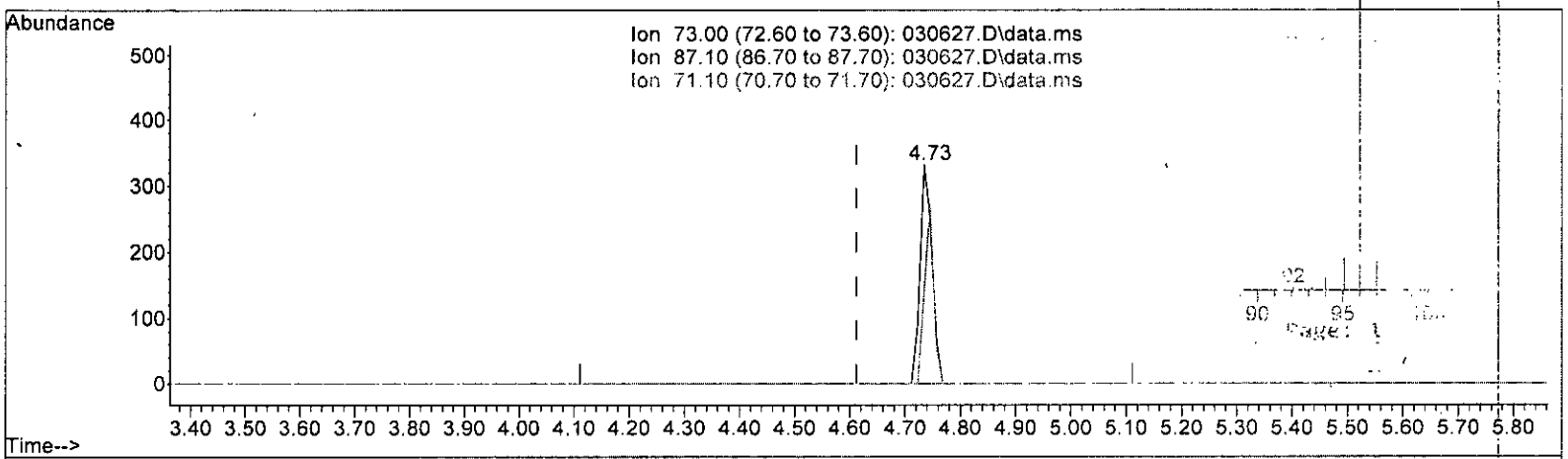


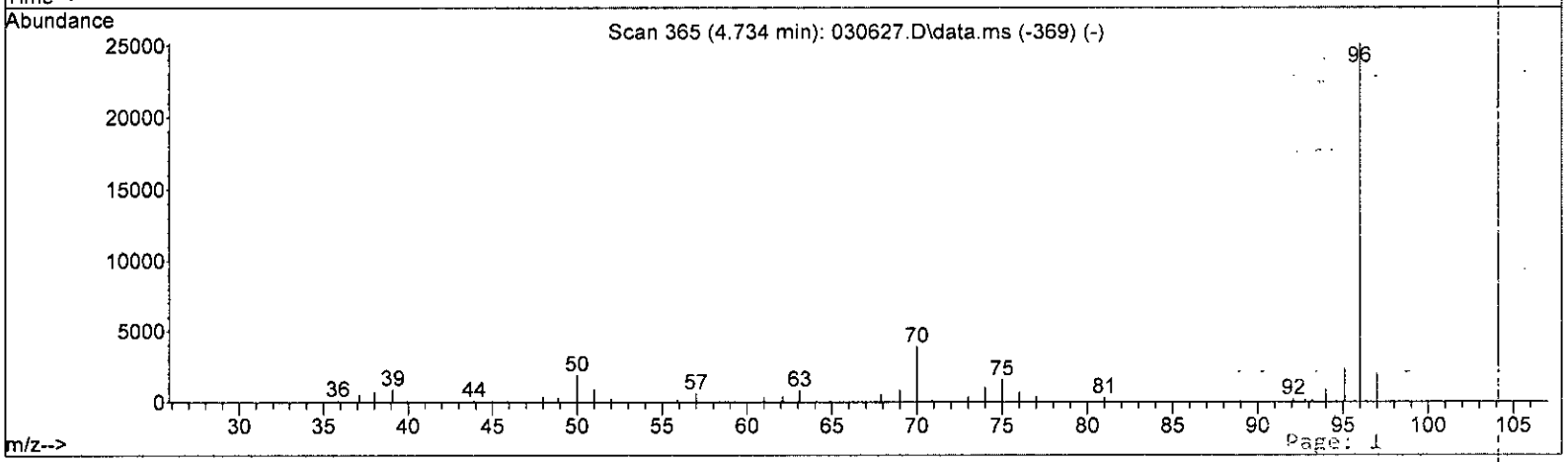


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030627.D\data.ms

(25) t-Amyl methyl ether (TAME) (TMP)

4.734min (+ 0.123) 0.201 ppb

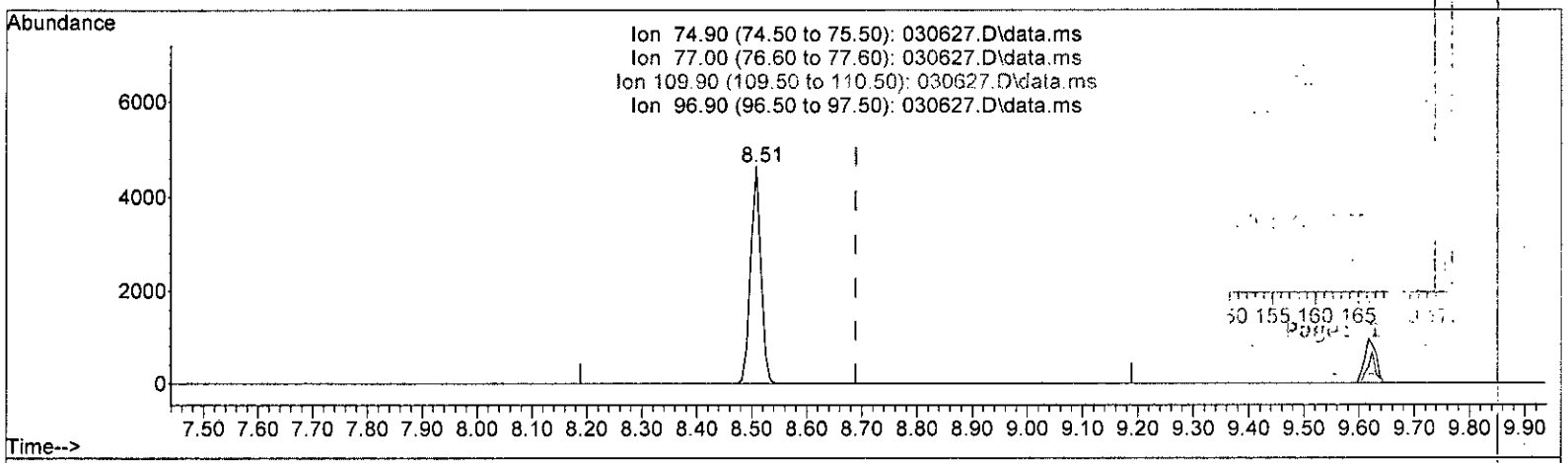
response 501

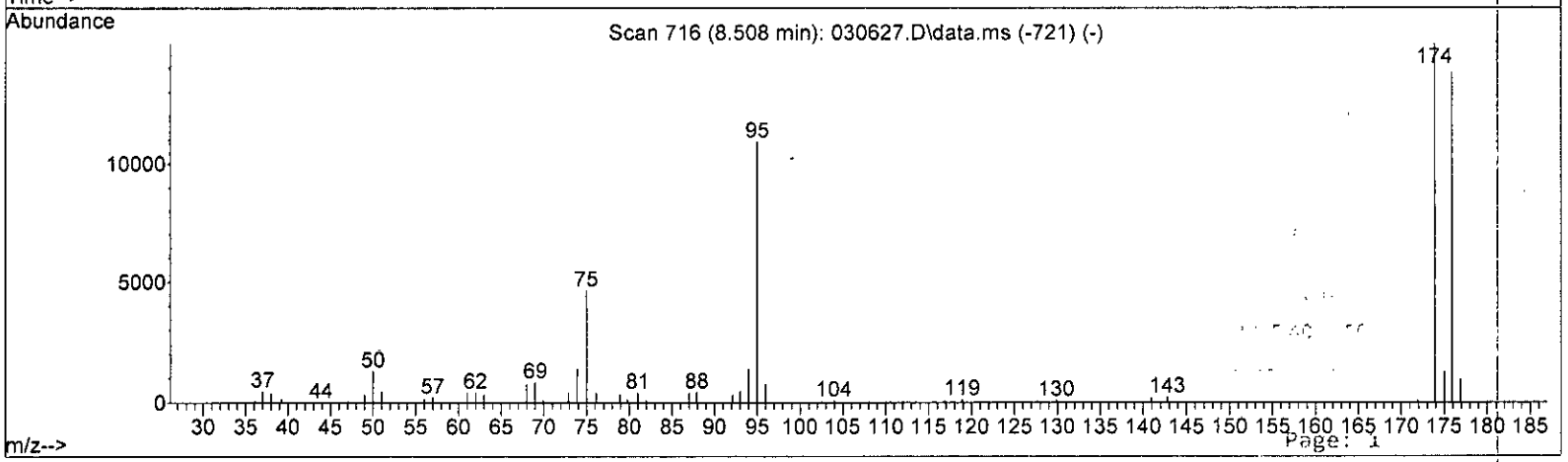
Ion	Exp%	Act%
73.00	100.00	100.00
87.10	32.40	0.00#
71.10	11.40	41.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030627.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.222 ppb
response 5999

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

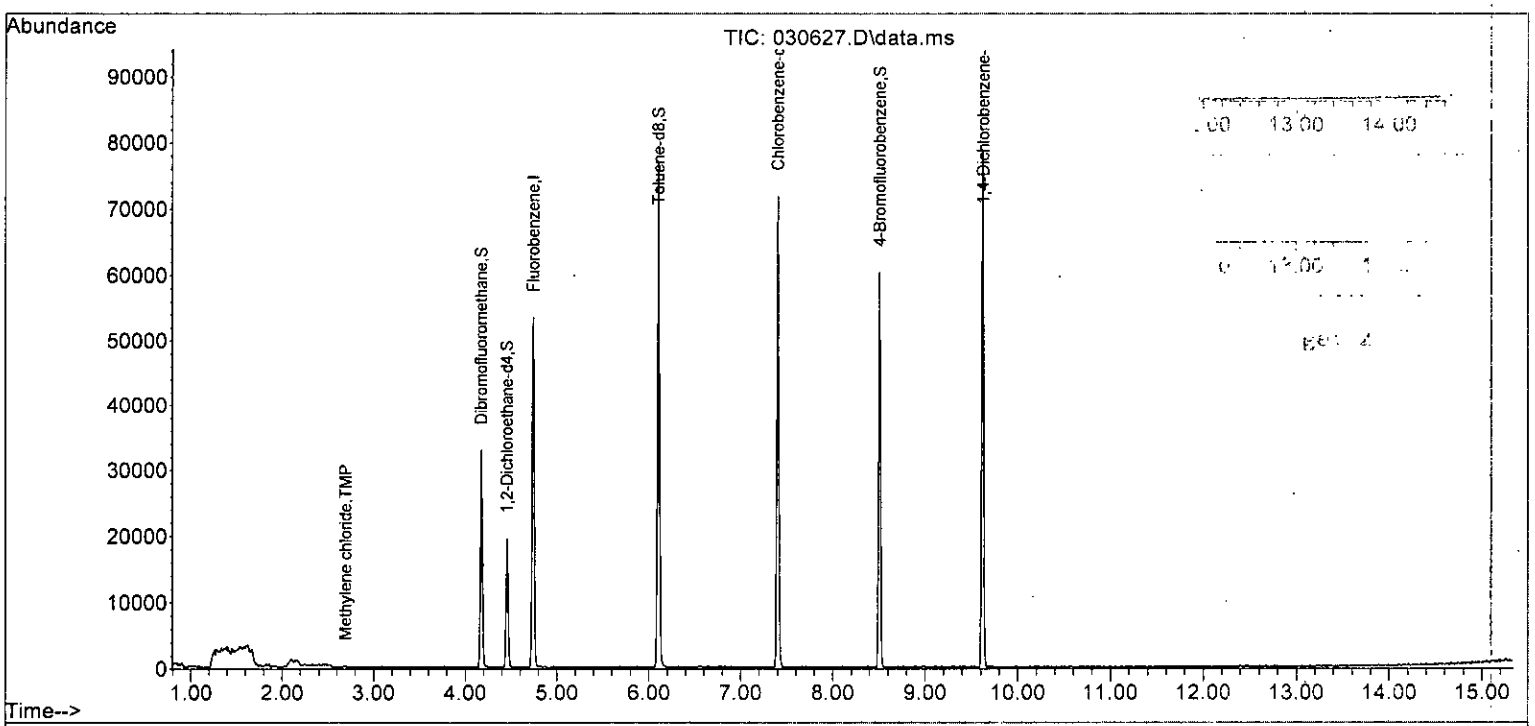
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	48182	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	43154	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22769	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15249	10.136	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.45	102	2769	9.270	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 92.70%			
35) Toluene-d8	6.10	98	46314	10.323	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	15111	10.764	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.60%			
Target Compounds						Qvalue
7) Bromomethane	1.60	94	408	Below Cal	#	46
14) Methylene chloride	2.69	84	138	0.386	ppb #	57
45] Tetrachloroethene	6.65	164	65	0.027	ppb	95

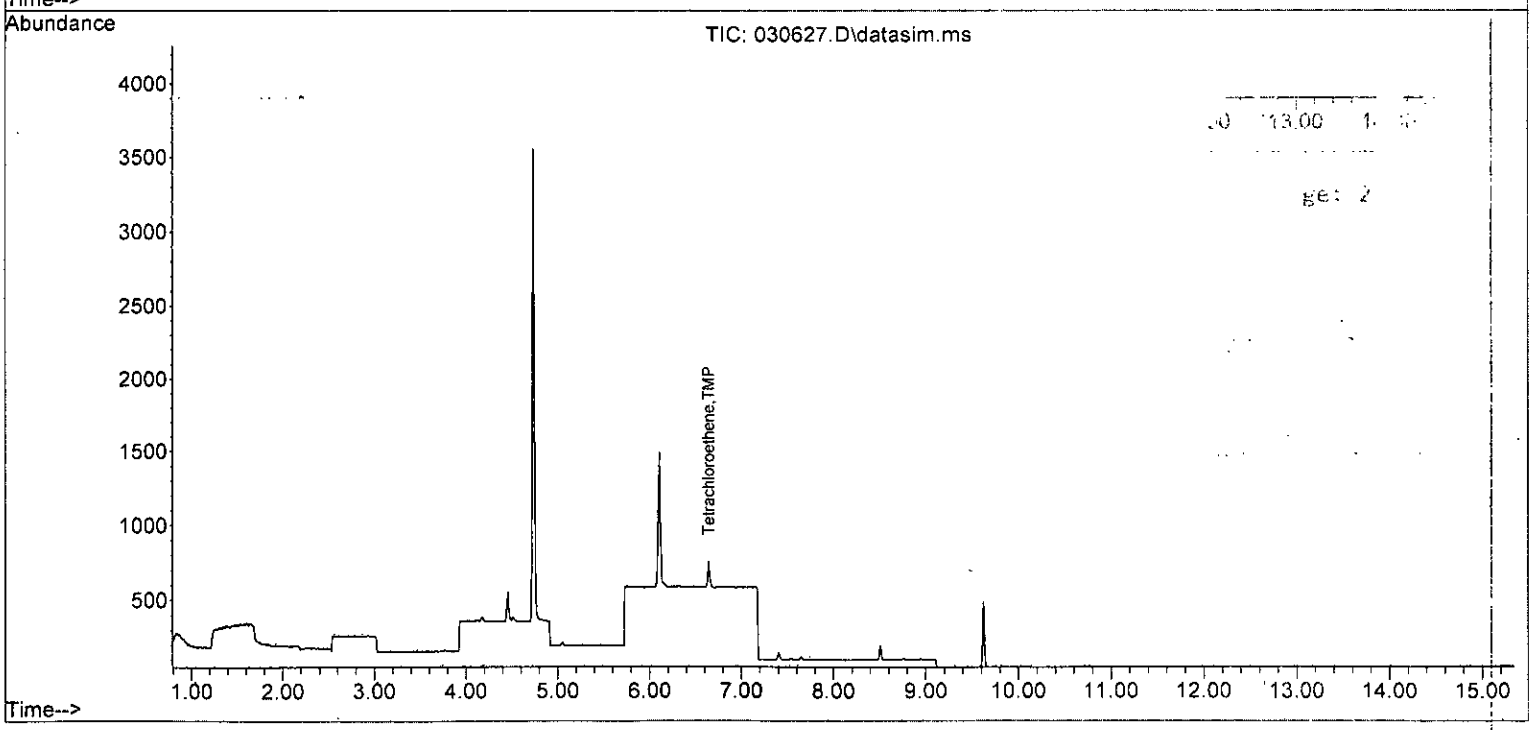
(#) = qualifier out of range (m) = manual integration (+) = signals summed

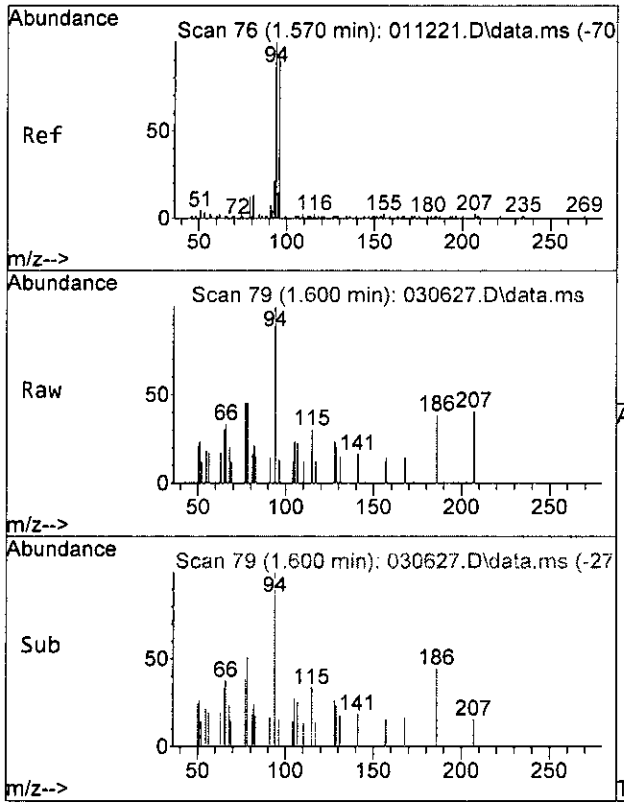
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



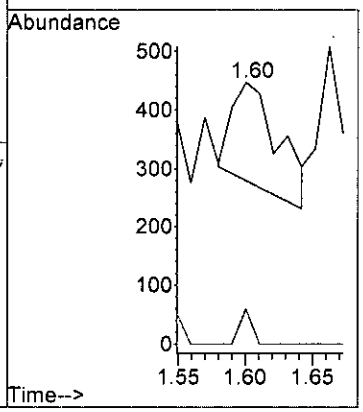


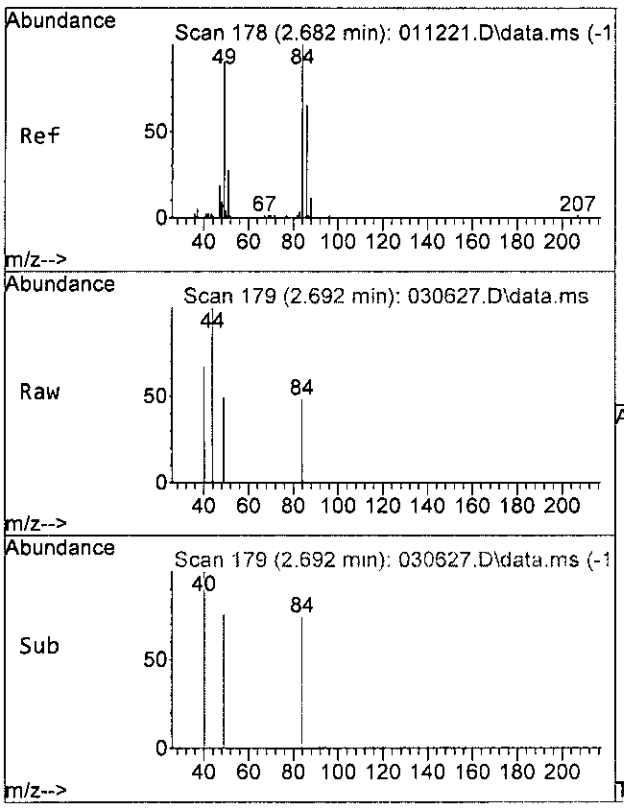


#7
Bromomethane
Concen: Below Cal
RT: 1.60 min Scan# 79
Delta R.T. 0.030 min
Lab File: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion: 94 Resp: 408

Ion	Ratio	Lower	Upper
94	100		
96	42.0	64.3	124.3#

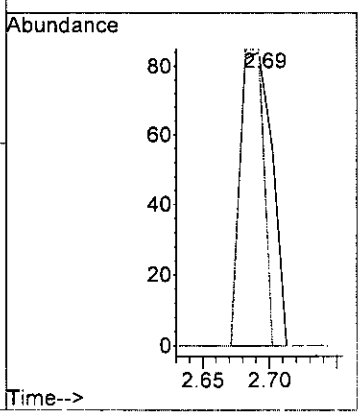


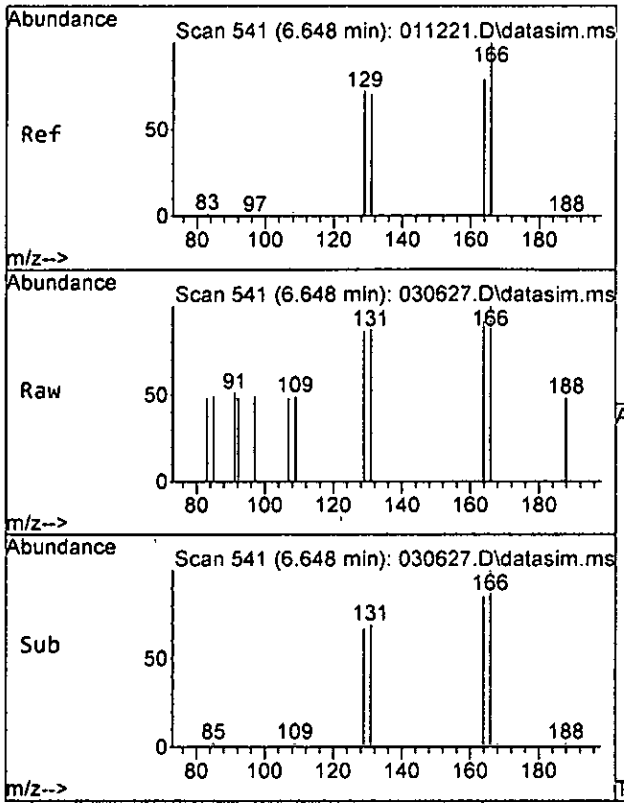


#14
Methylene chloride
Concen: 0.386 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion: 84 Resp: 138

Ion	Ratio	Lower	Upper
84	100		
86	0.0	35.3	95.3#
49	101.2	57.8	117.8

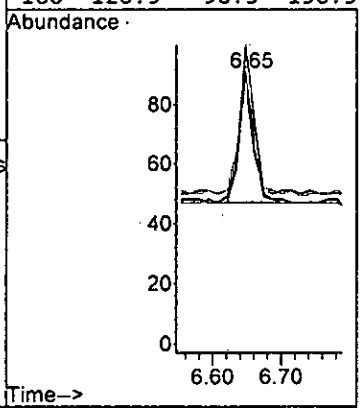




#45
Tetrachloroethene
Concen: 0.027 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab file: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion:164 Resp: 65

Ion	Ratio	Lower	Upper
164	100		
129	81.8	59.5	119.5
131	86.4	58.6	118.6
166	120.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	48182	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	43154	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22769	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15249	10.136	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.45	102	2769	9.270	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 92.70%			
35) Toluene-d8	6.10	98	46314	10.323	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	15111	10.764	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	649	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.60	94	408	Below Cal	#	46
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	138	0.386	ppb #	57
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D. d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

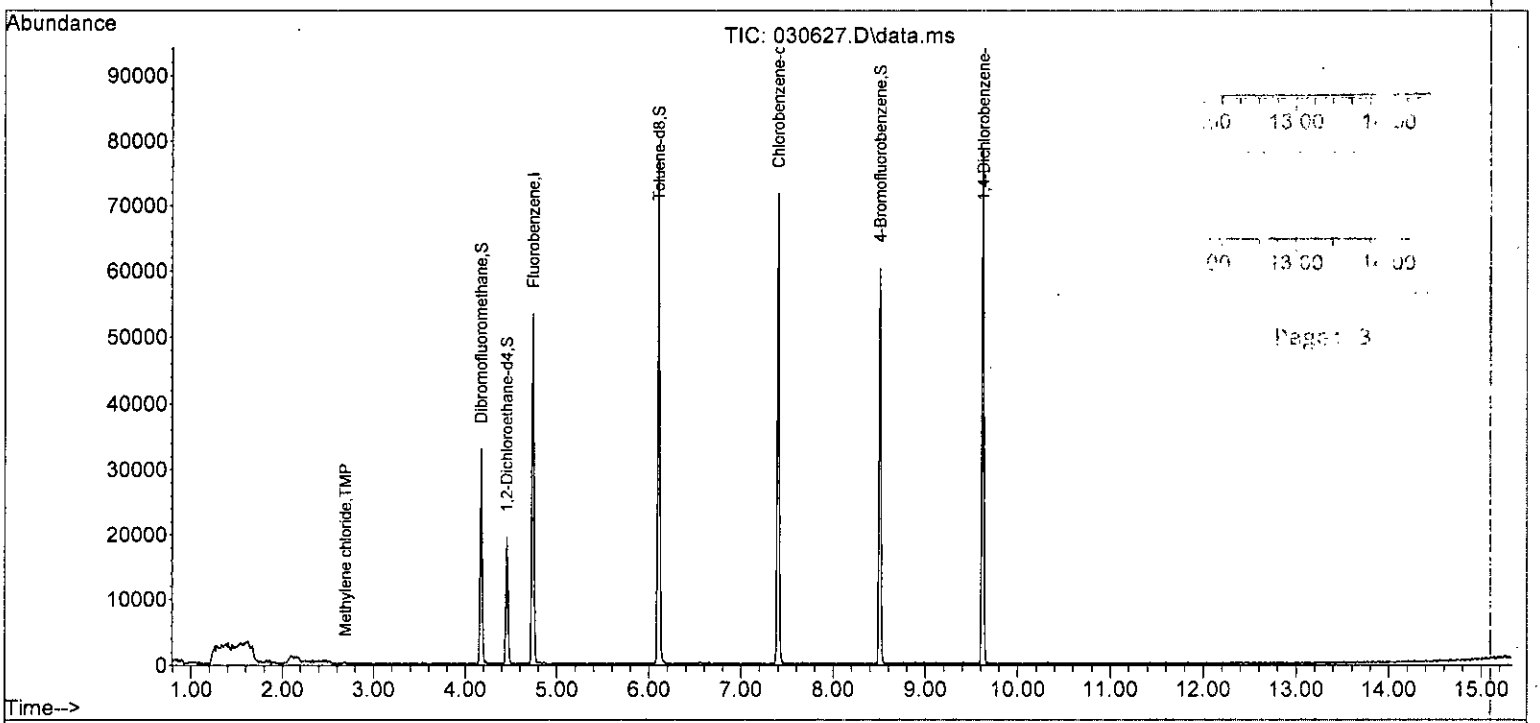
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	0.00		0	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	65	0.027	ppb	95
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.40	91	78	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51) m,p-Xylene	0.00		0	N.D.		
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.		
67) sec-Butylbenzene	0.00		0	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

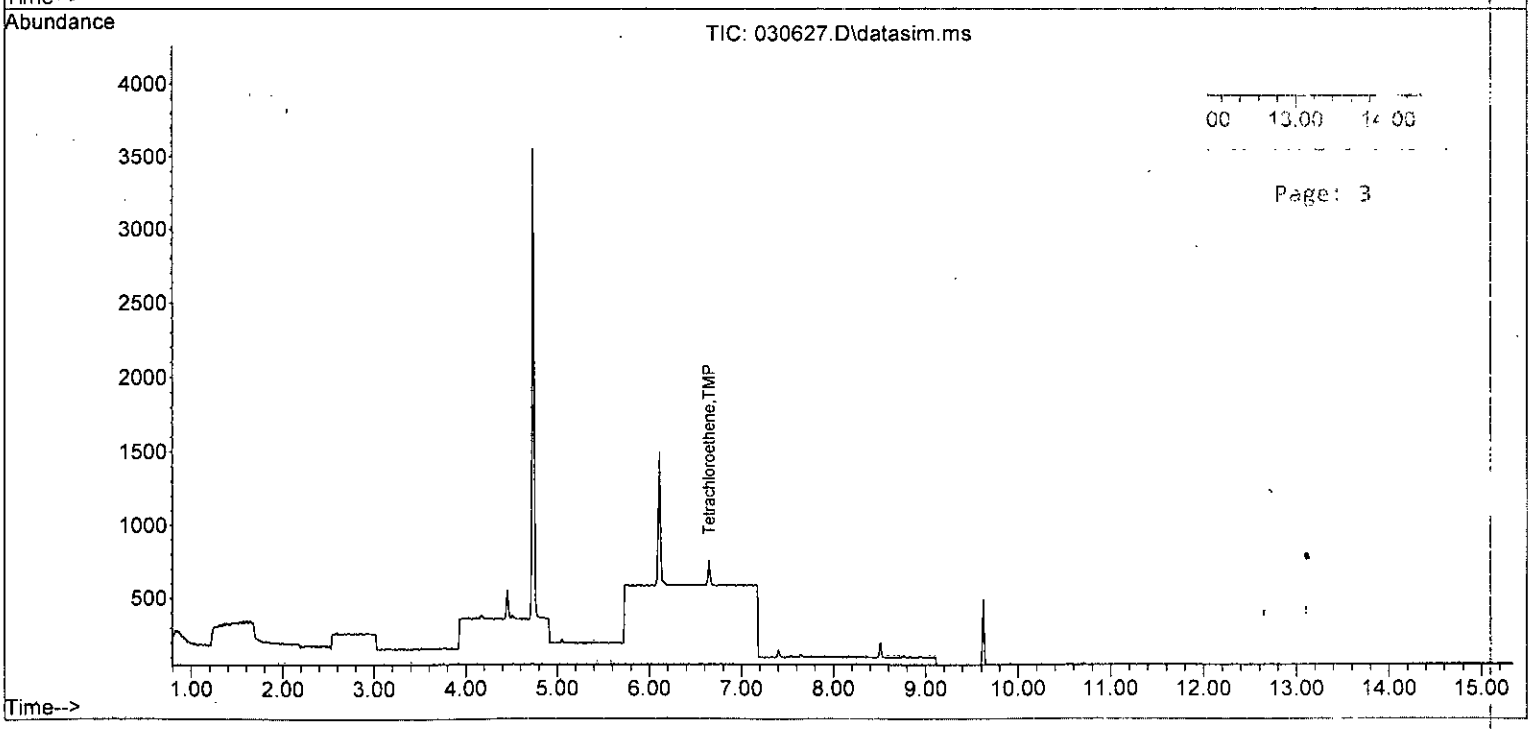
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022425.D
Acq On : 24 Feb 2023 02:49 pm
Operator : LM
Sample : 302300-07 ms
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	201913	10.000	ppb		0.00
39) Chlorobenzene-d5	7.26	117	172057	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	104868	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	58373	10.389	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%				
30) 1,2-Dichloroethane-d4	4.35	102	12692	10.166	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 101.70%				
35) Toluene-d8	5.97	98	198545	10.447	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 104.50%				
57) 4-Bromofluorobenzene	8.37	95	75342	9.917	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.20%				
Target Compounds							Qvalue
2) Ethanol	1.88	45	238	No Calib			
4) Dichlorodifluoromethane	1.09	85	106126	9.571	ppb		97
5) Chloromethane	1.22	50	111852	7.754	ppb		96
6] Vinyl chloride	1.30	62	95192	7.817	ppb		90
7) Bromomethane	1.54	94	58694	8.117	ppb		90
8] Chloroethane	1.61	64	47090	8.382	ppb		99
9) Trichlorofluoromethane	1.78	101	157948	10.201	ppb		87
10) 2-Propanol	2.39	45	1037	No Calib			
11) Acetone	2.25	58	29935	20.664	ppb		93
12] 1,1-Dichloroethene	2.19	96	58923	9.837	ppb		89
13) Hexane	3.05	57	87333	10.291	ppb		99
14) Methylene chloride	2.60	84	51916	9.225	ppb		90
15) t-Butyl alcohol (TBA)	2.72	59	41841	51.789	ppb		80
16] Methyl t-butyl ether (...	2.83	73	136542	9.776	ppb		98
17] trans-1,2-Dichloroethene	2.82	96	55146	10.640	ppb		99
18) Diisopropyl ether (DIPE)	3.24	45	198121	10.024	ppb		96
19] 1,1-Dichloroethane	3.18	63	103563	9.783	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	53664	9.119	ppb	#	87
21) 2,2-Dichloropropane	3.66	77	66205	10.756	ppb		96
22] cis-1,2-Dichloroethene	3.66	96	61241	10.509	ppb		92
23) Chloroform	3.93	83	95911	10.043	ppb		98
24) 2-Butanone (MEK)	3.69	43	164659	33.143	ppb		99
25) t-Amyl methyl ether (T...	4.48	73	116440	8.882	ppb		88
26] 1,2-Dichloroethane (EDC)	4.41	62	87972	10.573	ppb		98
27] 1,1,1-Trichloroethane	4.07	97	97260	11.005	ppb		95
28) 1,1-Dichloropropene	4.21	75	70519	10.228	ppb		87
29) Carbon tetrachloride	4.20	117	90064	10.879	ppb		91
31] Benzene	4.39	78	202666	9.573	ppb		96
32] Trichloroethene	4.92	95	64497	10.634	ppb		96
33) 1,2-Dichloropropane	5.12	63	54669	9.176	ppb		97
34) Bromodichloromethane	5.36	83	71282	10.064	ppb		87
36) Dibromomethane	5.22	93	37174	10.489	ppb		90

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022425.D
Acq On : 24 Feb 2023 02:49 pm
Operator : LM
Sample : 302300-07 ms
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

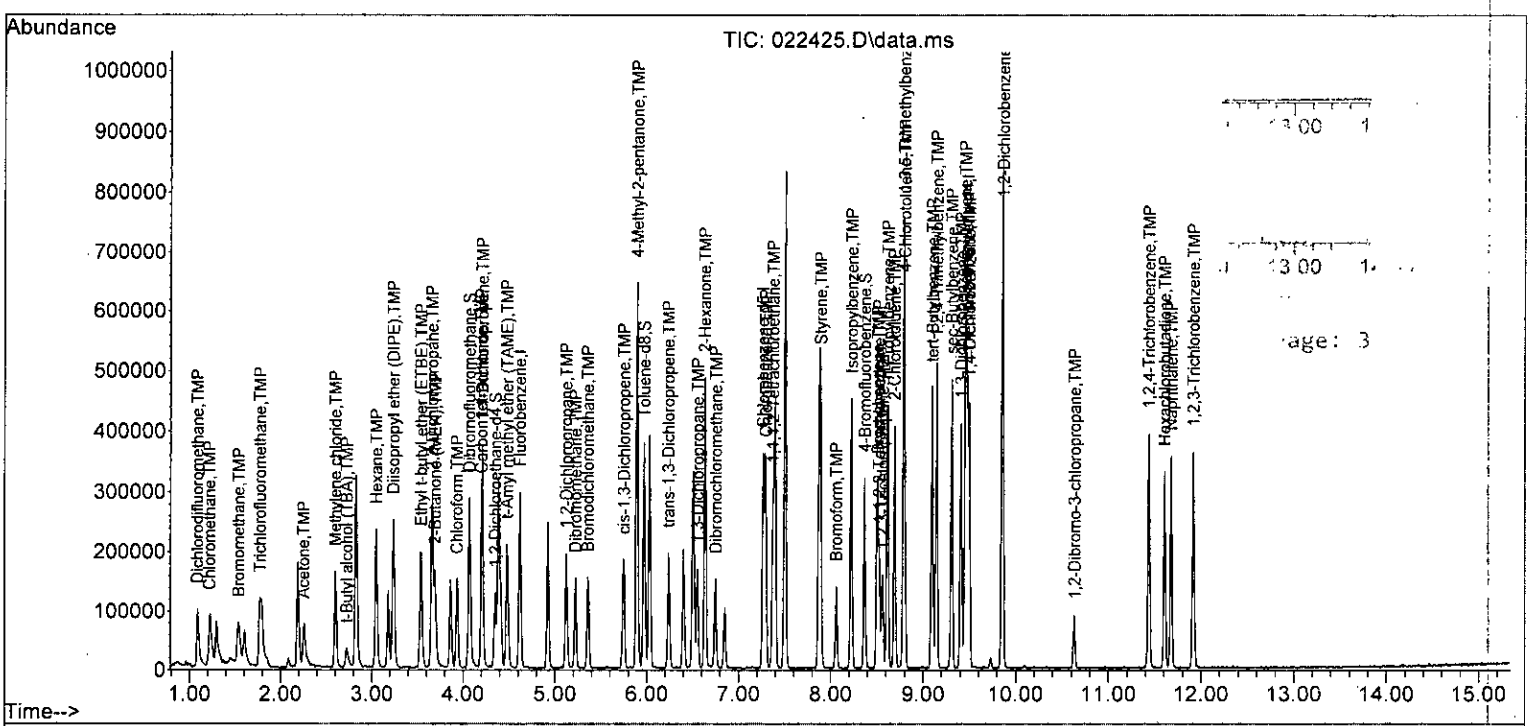
Quant Time: Feb 27 10:34:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

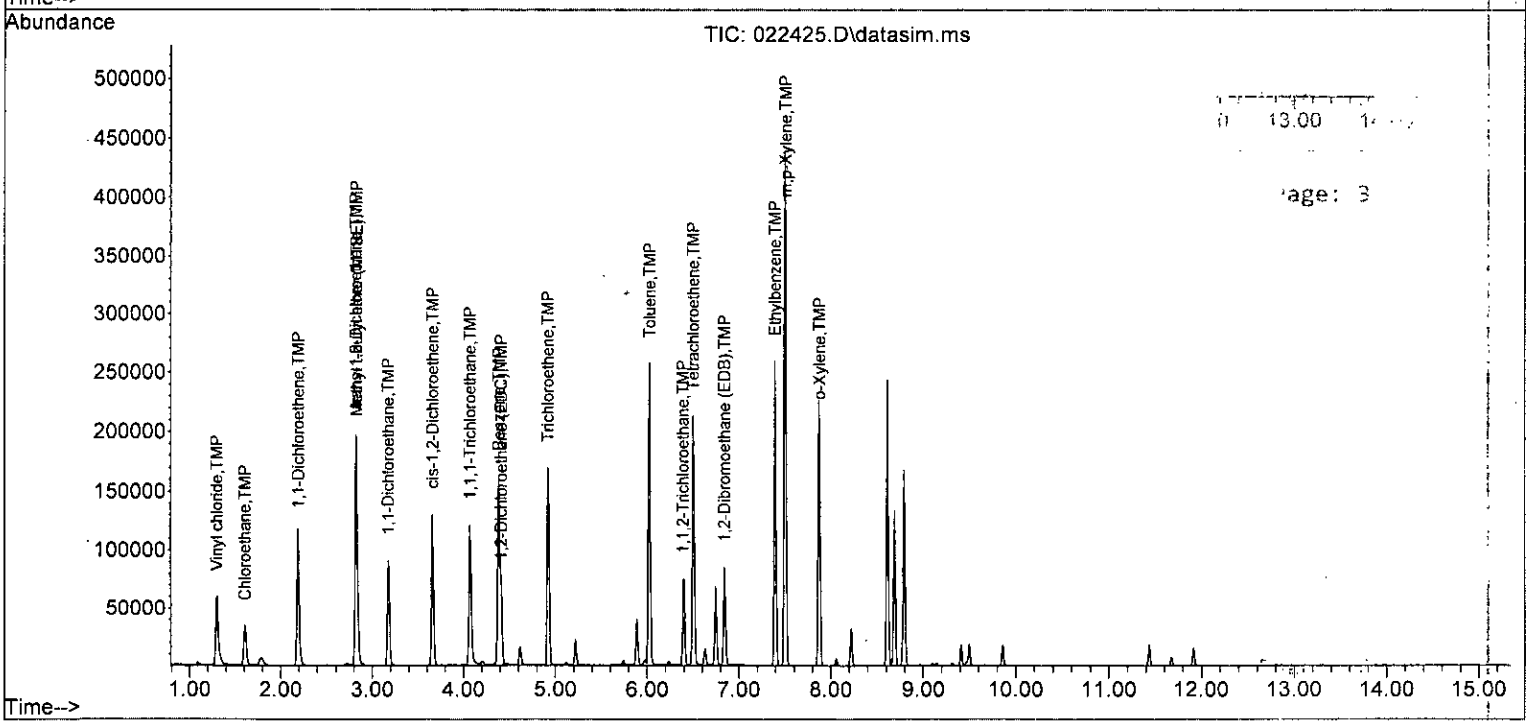
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	52691	53.232 ppb	#	86
38) cis-1,3-Dichloropropene	5.75	75	85127	10.364 ppb		94
40] Toluene	6.03	92	138424	9.368 ppb		95
41) trans-1,3-Dichloropropene	6.24	75	77677	9.412 ppb		95
42] 1,1,2-Trichloroethane	6.39	83	42226	9.360 ppb		91
43) 2-Hexanone	6.63	43	286016	43.627 ppb		99
44) 1,3-Dichloropropane	6.55	76	74898	10.058 ppb		96
45] Tetrachloroethene	6.50	164	82346	11.886 ppb		96
46) Dibromochloromethane	6.75	129	69961	10.535 ppb		93
47] 1,2-Dibromoethane (EDB)	6.84	107	58787	10.055 ppb		95
48) Chlorobenzene	7.30	112	162963	10.061 ppb		90
49] Ethylbenzene	7.39	91	268759	9.569 ppb		98
50) 1,1,1,2-Tetrachloroethane	7.37	131	65306	10.498 ppb		95
51] m,p-Xylene	7.51	106	214033	20.690 ppb	#	76
52] o-Xylene	7.88	106	106715	9.644 ppb	#	74
53) Styrene	7.89	104	159623	9.620 ppb		94
54) Isopropylbenzene	8.23	105	261621	10.303 ppb		100
55) Bromoform	8.06	173	56948	10.516 ppb		88
58) n-Propylbenzene	8.62	91	304170	10.003 ppb		98
59) Bromobenzene	8.51	156	89929	10.276 ppb	#	81
60) 1,3,5-Trimethylbenzene	8.79	105	220630	9.846 ppb		100
61) 1,1,2,2-Tetrachloroethane	8.52	83	68554	10.317 ppb		91
62) 1,2,3-Trichloropropane	8.56	75	50748	9.515 ppb		92
63) 2-Chlorotoluene	8.69	91	171338	9.367 ppb		94
64) 4-Chlorotoluene	8.80	91	201966	9.604 ppb		88
65) tert-Butylbenzene	9.10	119	204226	9.774 ppb		93
66) 1,2,4-Trimethylbenzene	9.14	105	229585	9.864 ppb		92
67) sec-Butylbenzene	9.31	105	289115	9.838 ppb		92
68) p-Isopropyltoluene	9.45	119	264972	10.127 ppb		100
69) 1,3-Dichlorobenzene	9.41	146	152909	9.822 ppb		99
70) 1,4-Dichlorobenzene	9.50	146	154865	10.060 ppb		96
71) 1,2-Dichlorobenzene	9.86	146	150496	10.070 ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	13979	9.202 ppb		81
73) 1,2,4-Trichlorobenzene	11.44	180	121244	9.992 ppb		99
74) Hexachlorobutadiene	11.61	225	64545	11.123 ppb		93
75) Naphthalene	11.68	128	253845	9.361 ppb		98
76) 1,2,3-Trichlorobenzene	11.91	180	110146	9.934 ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022425.D
Acq On : 24 Feb 2023 02:49 pm
Operator : LM
Sample : 302300-07 ms
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:56 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



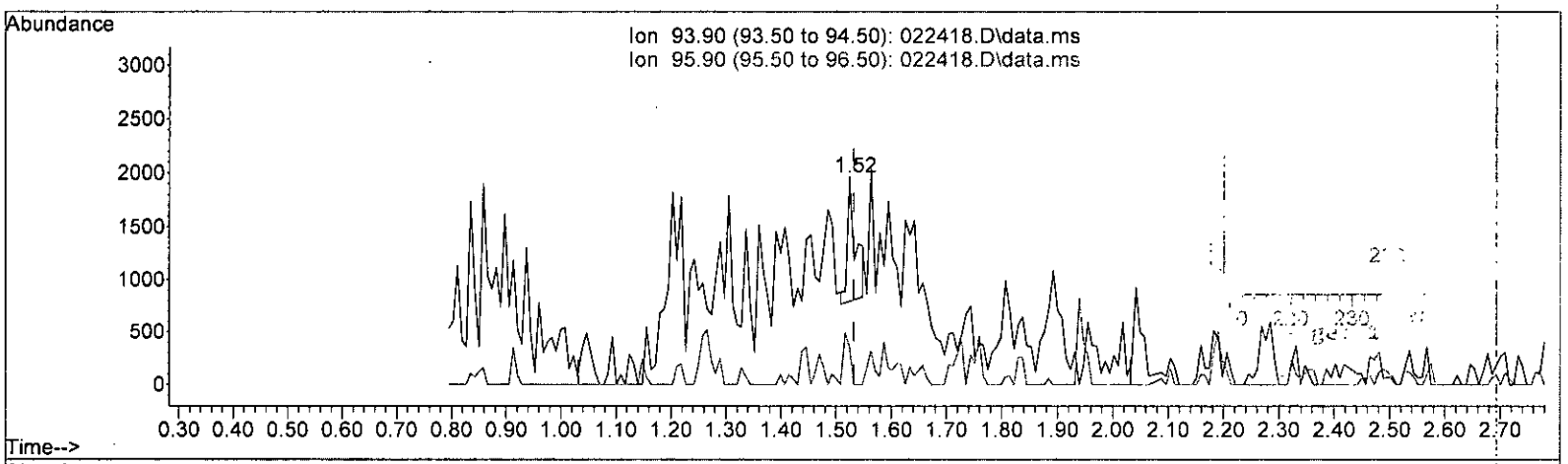


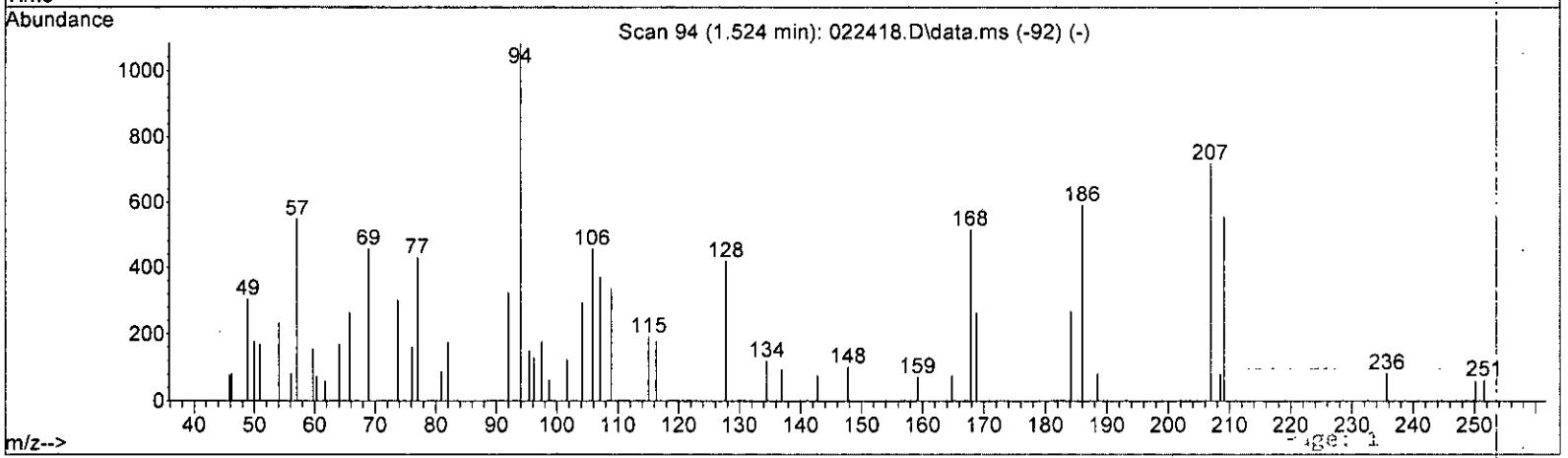
EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022418.D\data.ms

(7) Bromomethane (TMP)

1.524min (-0.008) 0.134 ppb

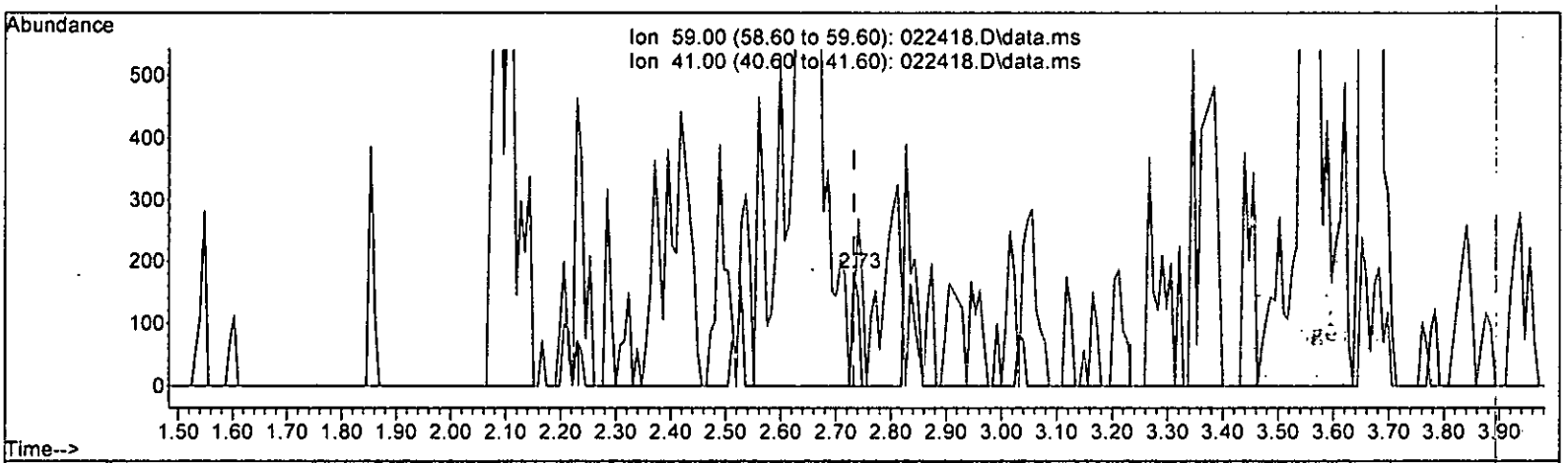
response 1254

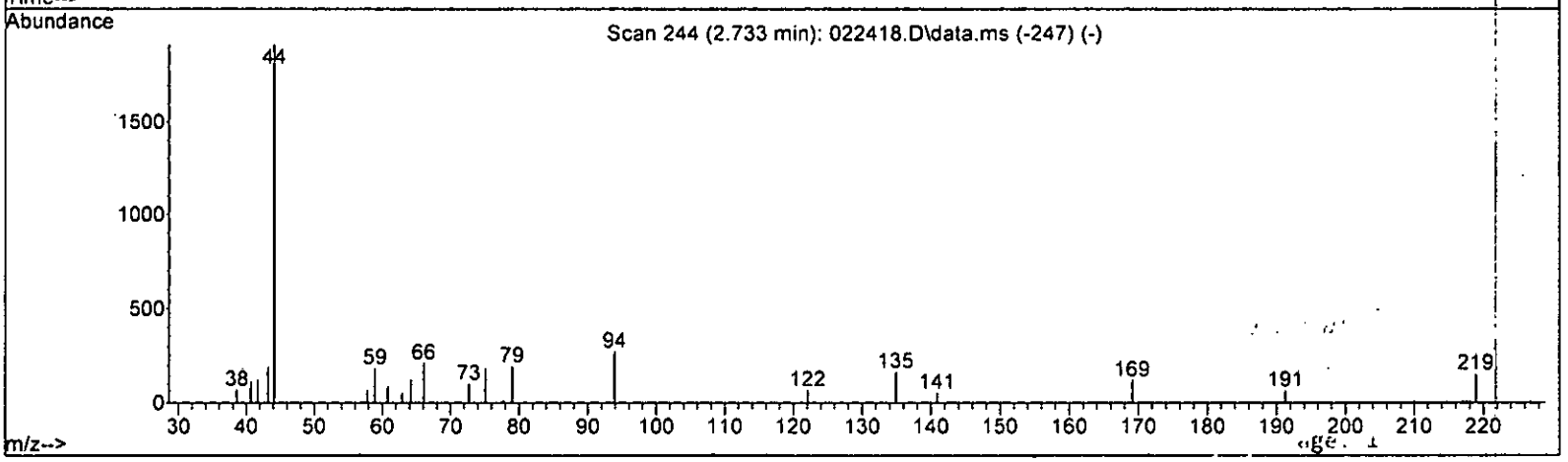
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	32.96#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022418.D\data.ms

(15) t-Butyl alcohol (TBA) (TMP)

2.733min (-0.000) 0.145 ppb

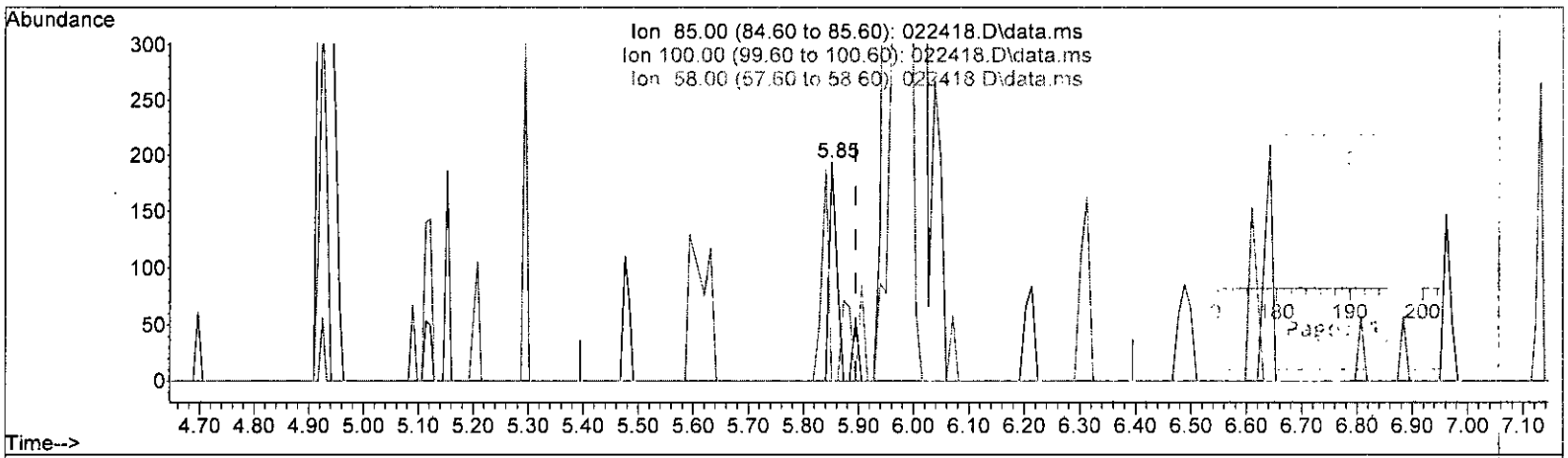
response 152

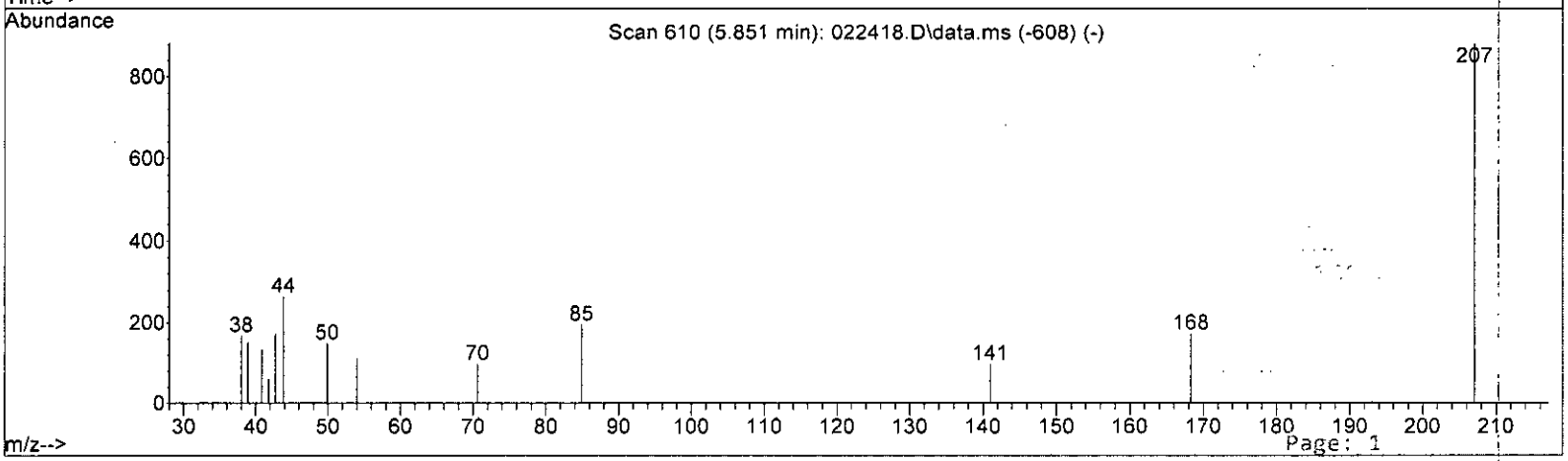
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	23.50	62.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022418.D\data.ms

(37) 4-Methyl-2-pentanone (TMP)

5.851min (-0.044) 0.143 ppb

response 183

Ion	Exp%	Act%
85.00	100.00	100.00
100.00	81.50	0.00#
58.00	297.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

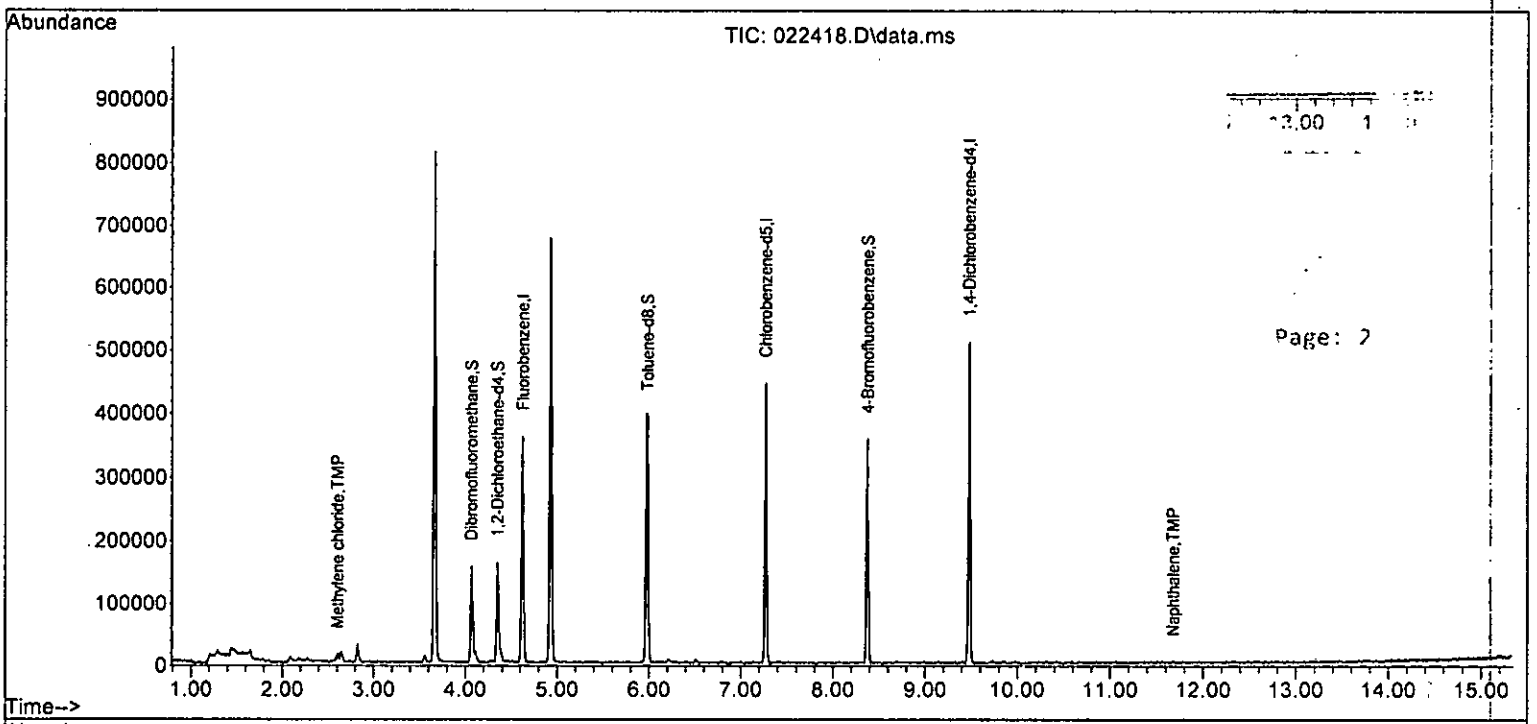
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	261442	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	209738	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	127976	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	70021	9.625	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.20%				
30) 1,2-Dichloroethane-d4	4.35	102	16231	10.040	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.40%				
35) Toluene-d8	5.98	98	238147	9.678	ppb		0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.80%				
57) 4-Bromofluorobenzene	8.38	95	92088	9.933	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.30%				
Target Compounds							Qvalue
6] Vinyl chloride	1.29	62	8033	0.509	ppb		94
12] 1,1-Dichloroethene	2.19	96	363	0.047	ppb		90
14) Methylene chloride	2.61	84	3623	0.497	ppb	#	47
17] trans-1,2-Dichloroethene	2.83	96	7909	1.162	ppb		90
21) 2,2-Dichloropropane	3.64	77	327	Below Cal			68
22] cis-1,2-Dichloroethene	3.67	96	288886	38.318	ppb	#	77
26] 1,2-Dichloroethane (EDC)	4.41	62	594	0.030	ppb		89
31] Benzene	4.38	78	9328	0.340	ppb		96
32] Trichloroethene	4.93	95	185591	23.650	ppb		96
40] Toluene	6.03	92	239	0.013	ppb		95
45] Tetrachloroethene	6.51	164	1048	0.124	ppb		95
49] Ethylbenzene	7.40	91	1761	0.051	ppb		97
51] m,p-Xylene	7.51	106	295	Below Cal			96
61) 1,1,2,2-Tetrachloroethane	8.63	83	224	Below Cal		#	23
75) Naphthalene	11.68	128	953	0.029	ppb		78

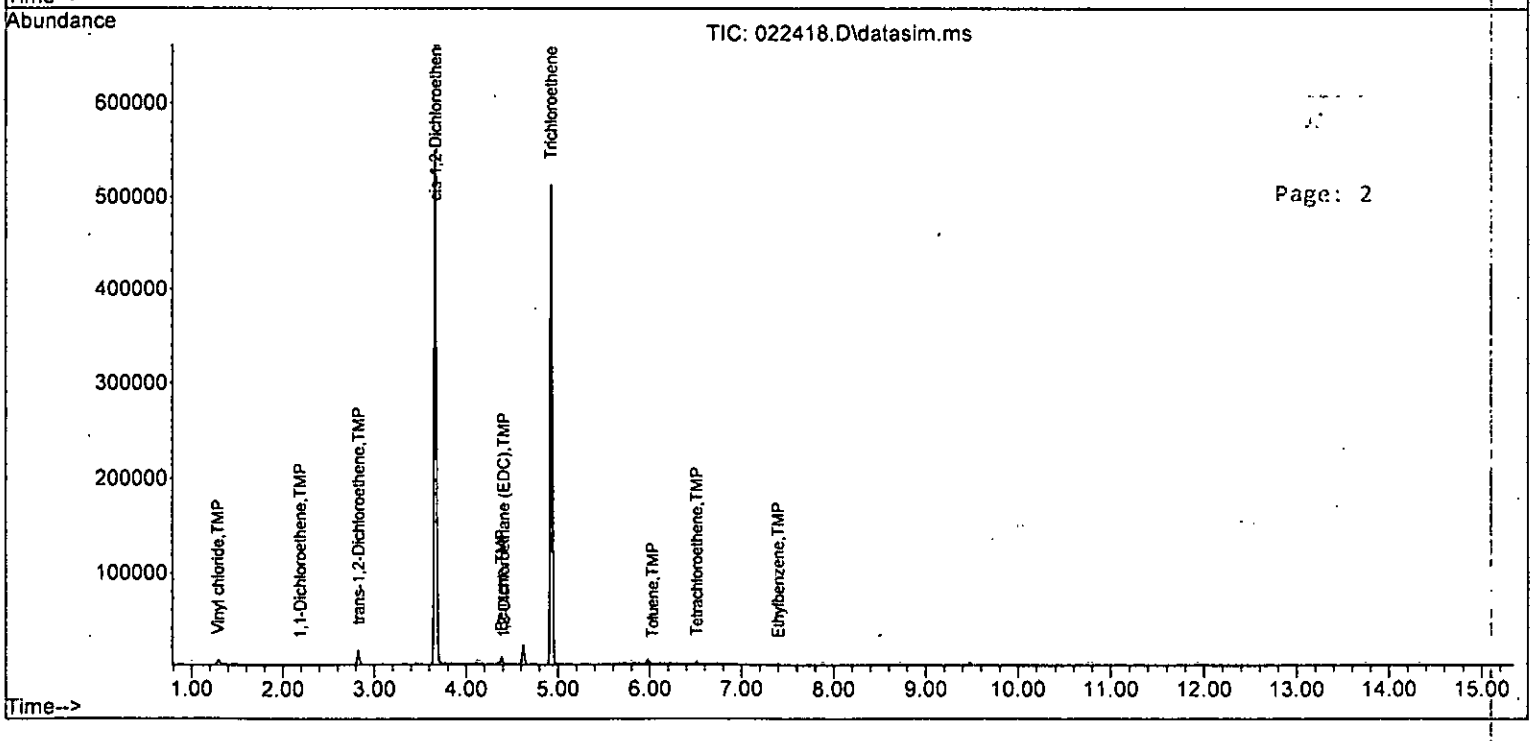
(#) = qualifier out of range (m) = manual integration (+) = signals summed

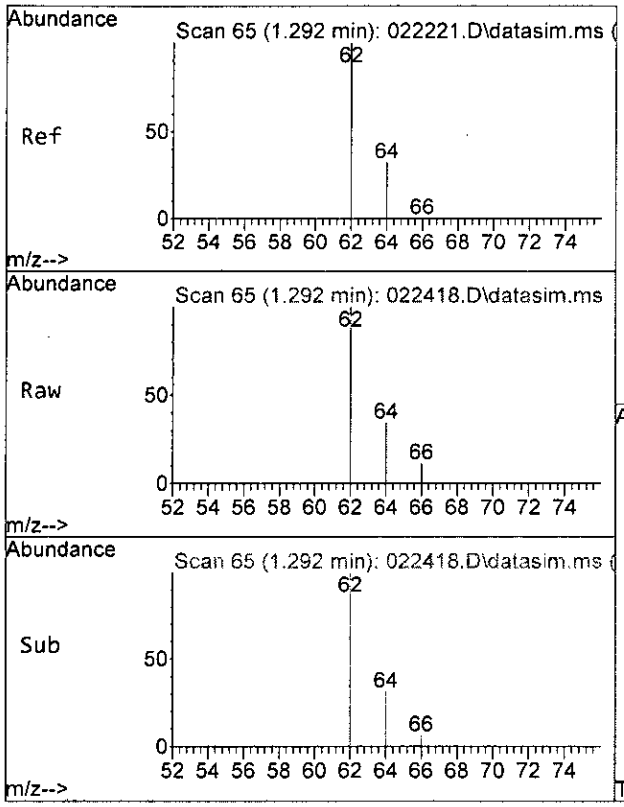
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



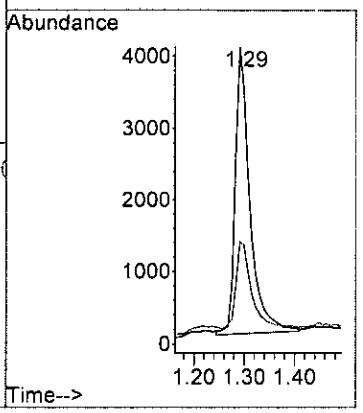


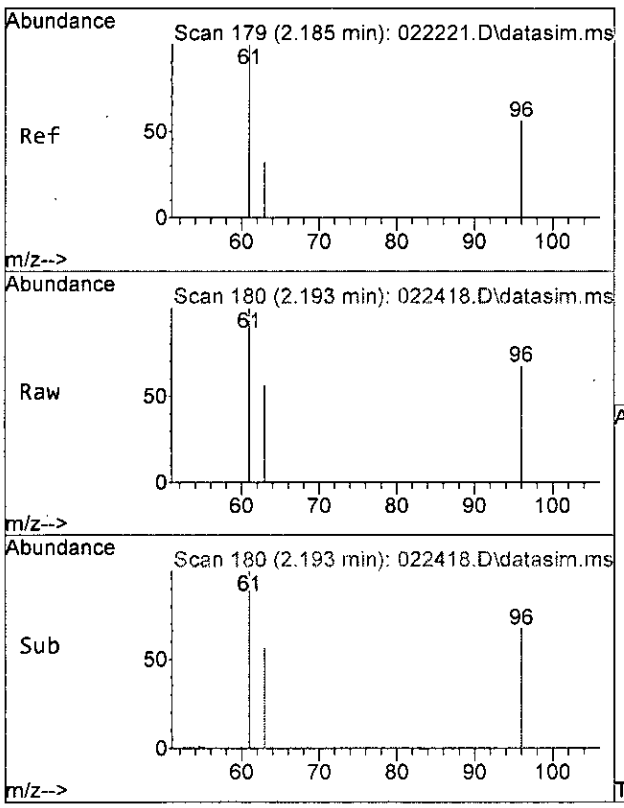


#6
Vinyl chloride
Concen: 0.509 ppb
RT: 1.29 min Scan# 65
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 62 Resp: 8033

Ion	Ratio	Lower	Upper
62	100		
64	29.8	0.0	56.9

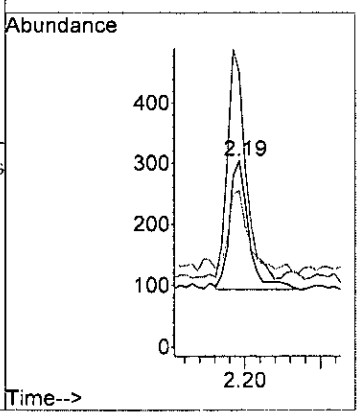


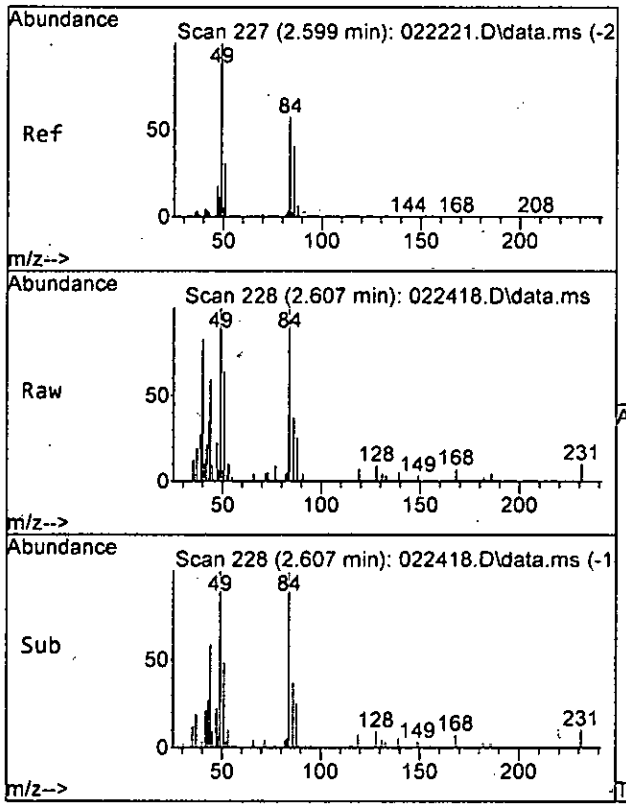


#12
1,1-Dichloroethene
Concen: 0.047 ppb
RT: 2.19 min Scan# 180
Delta R.T. 0.008 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 96 Resp: 363

Ion	Ratio	Lower	Upper
96	100		
61	161.4	145.6	205.6
63	63.8	27.4	87.4

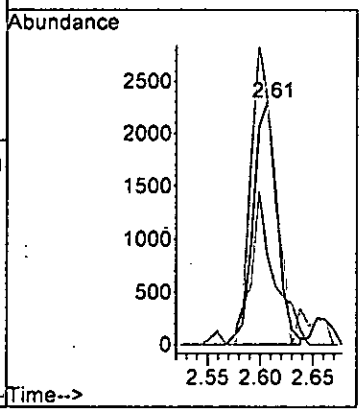


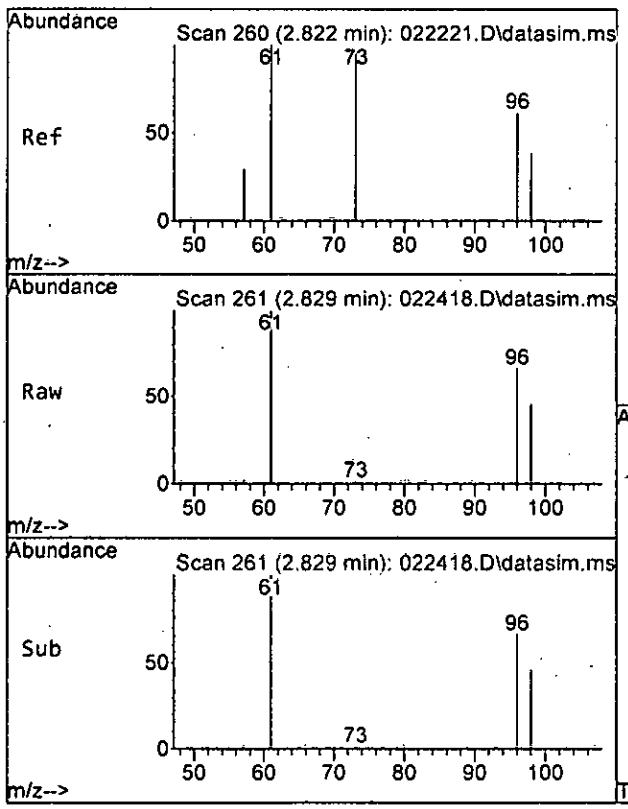


#14
Methylene chloride
Concen: 0.497 ppb
RT: 2.61 min Scan# 228
Delta R.T. 0.008 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 84 Resp: 3623

Ion	Ratio	Lower	Upper
84	100		
86	37.1	40.3	100.3#
49	95.7	147.3	207.3#

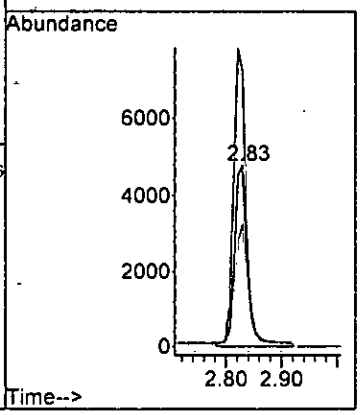


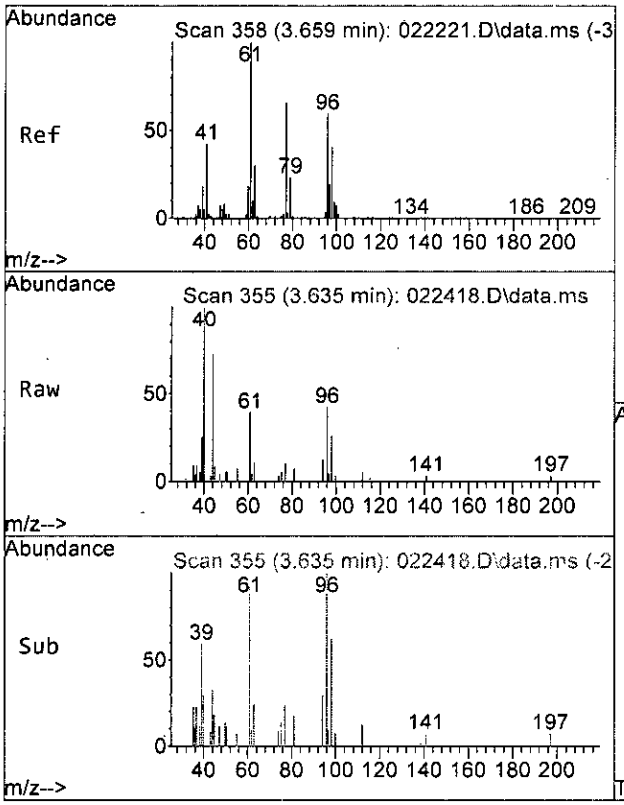


#17
trans-1,2-Dichloroethene
Concen: 1.162 ppb
RT: 2.83 min Scan# 261
Delta R.T. 0.008 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 96 Resp: 7909

Ion	Ratio	Lower	Upper
96	100		
61	151.3	135.7	195.7
98	68.5	32.4	92.4

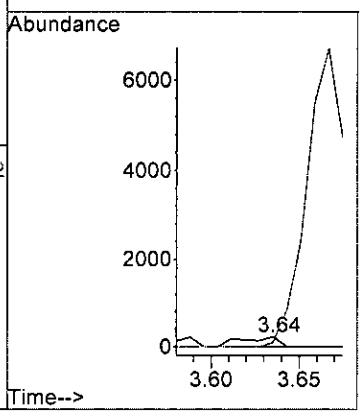


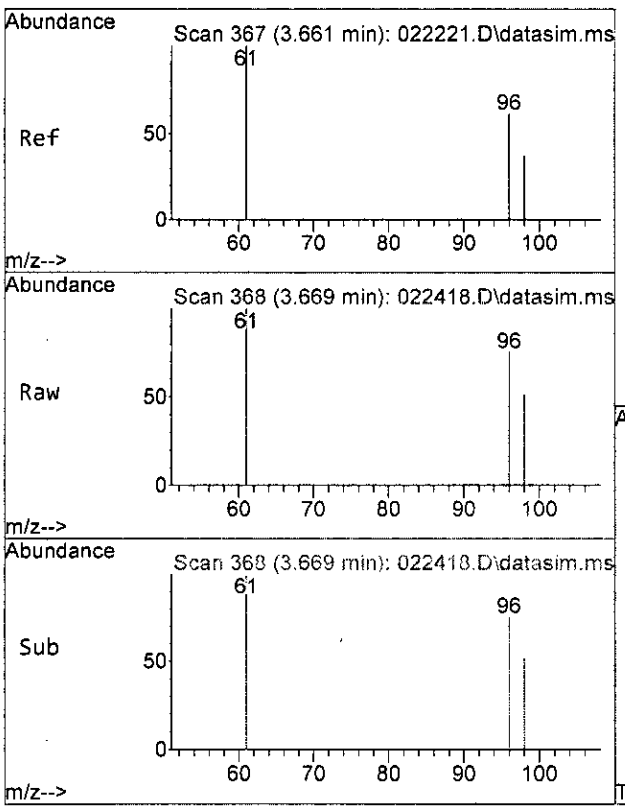


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.64 min Scan# 355
Delta R.T. -0.024 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 77 Resp: 327

Ion	Ratio	Lower	Upper
77	100		
97	38.2	0.0	52.9

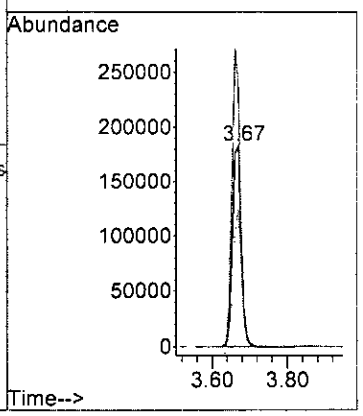


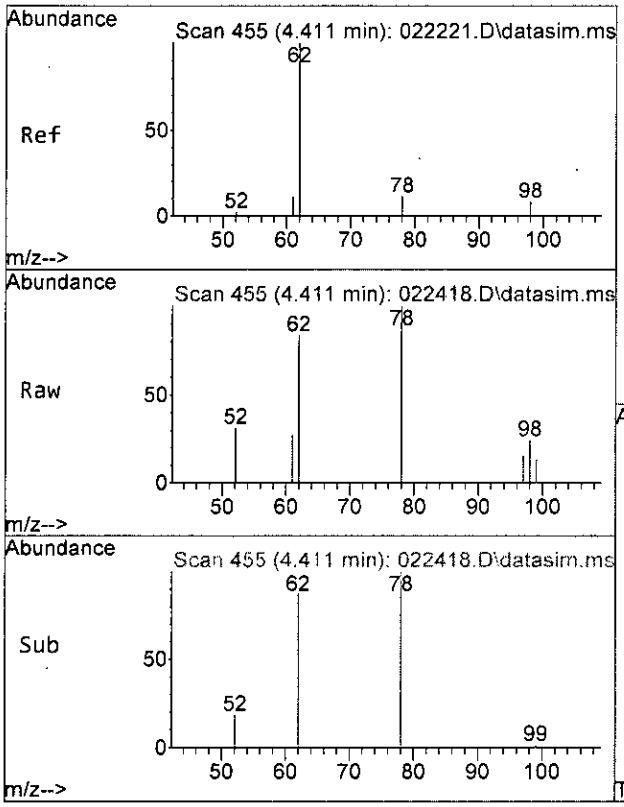


#22
cis-1,2-Dichloroethene
Concen: 38.318 ppb
RT: 3.67 min Scan# 368
Delta R.T. 0.008 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 96 Resp: 288886

Ion	Ratio	Lower	Upper
96	100		
61	132.5	139.8	199.8#
98	68.1	30.7	90.7

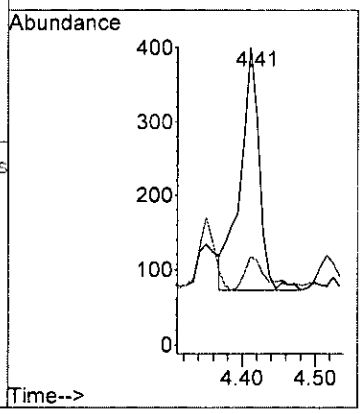


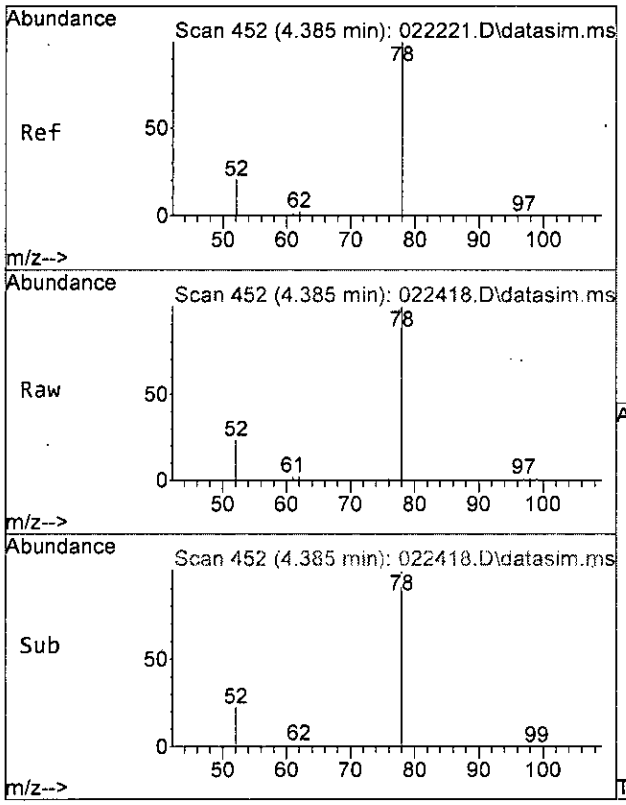


#26
1,2-Dichloroethane (EDC)
Concen: 0.030 ppb
RT: 4.41 min Scan# 455
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 62 Resp: 594

Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	37.6

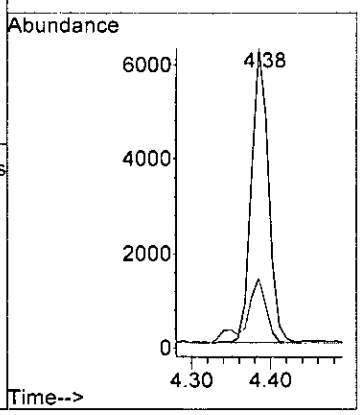


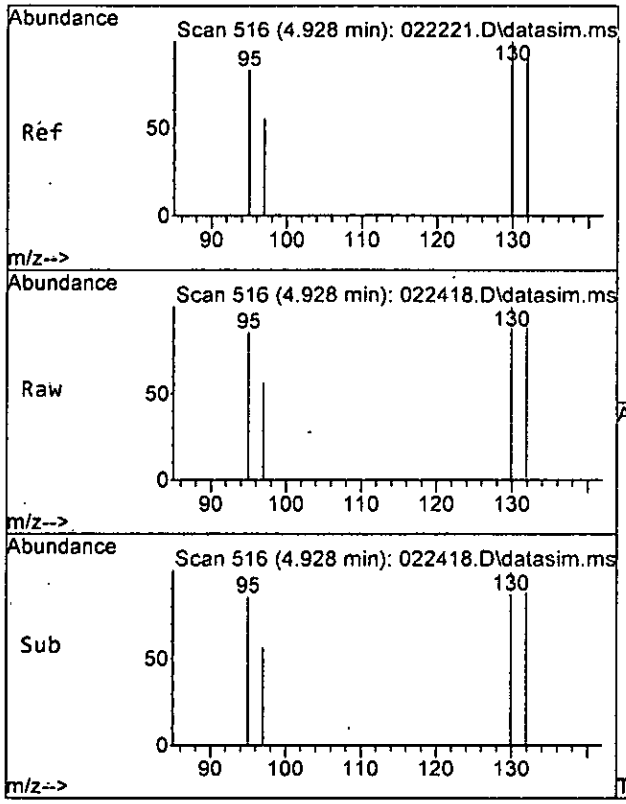


#31
Benzene
Concen: 0.340 ppb
RT: 4.38 min Scan# 452
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 78 Resp: 9328

Ion	Ratio	Lower	Upper
78	100		
52	22.2	0.0	50.6

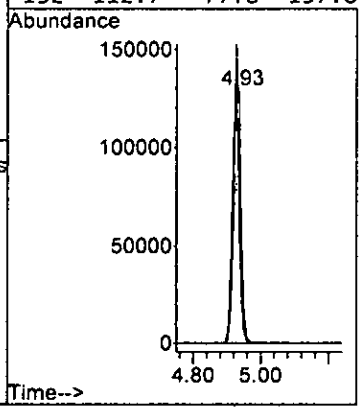


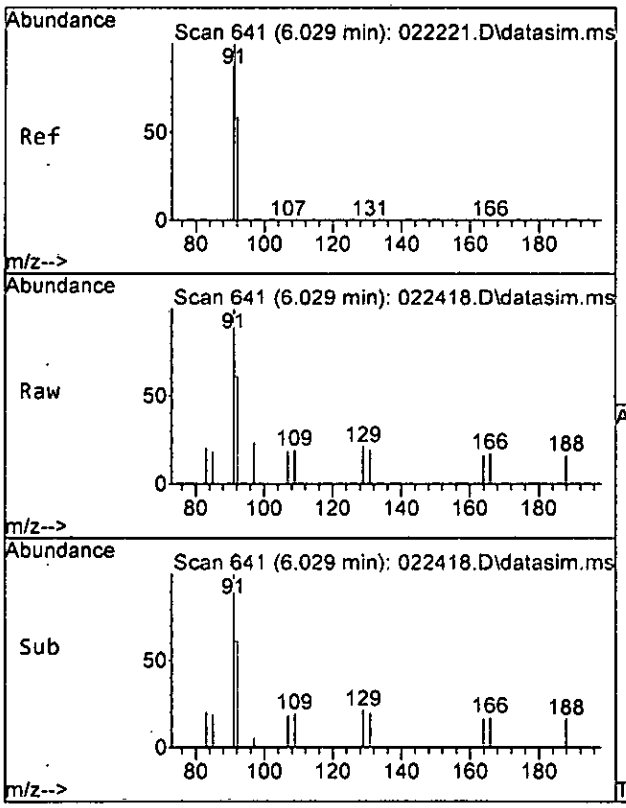


#32
Trichloroethene
Concen: 23.650 ppb
RT: 4.93 min Scan# 516
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 95 Resp: 185591

Ion	Ratio	Lower	Upper
95	100		
97	66.3	36.5	96.5
130	118.2	83.1	143.1
132	112.7	77.8	137.8

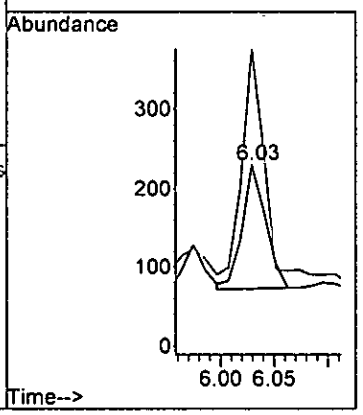


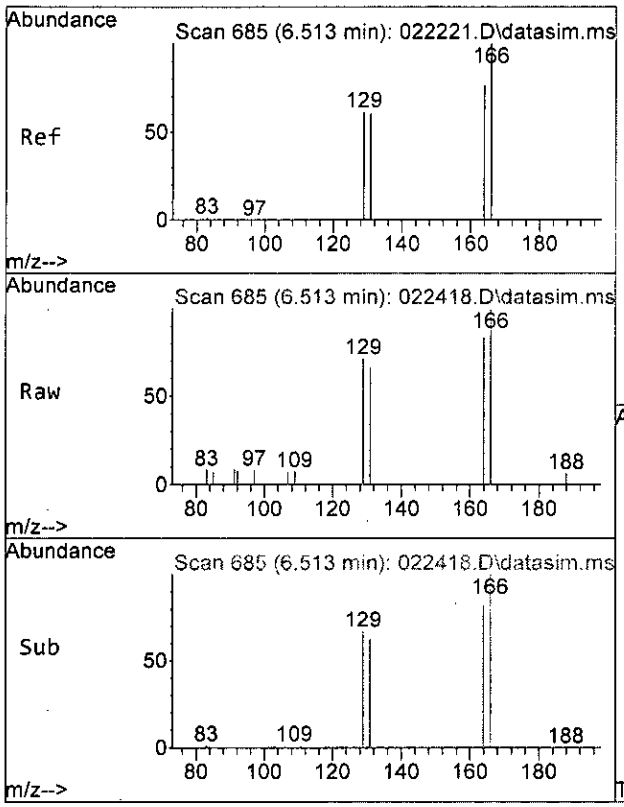


#40
Toluene
Concen: 0.013 ppb
RT: 6.03 min Scan# 641
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 92 Resp: 239

Ion	Ratio	Lower	Upper
92	100		
91	181.5	144.6	204.6

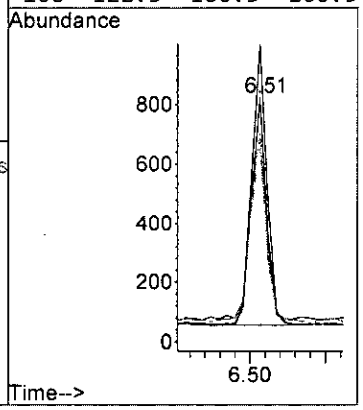


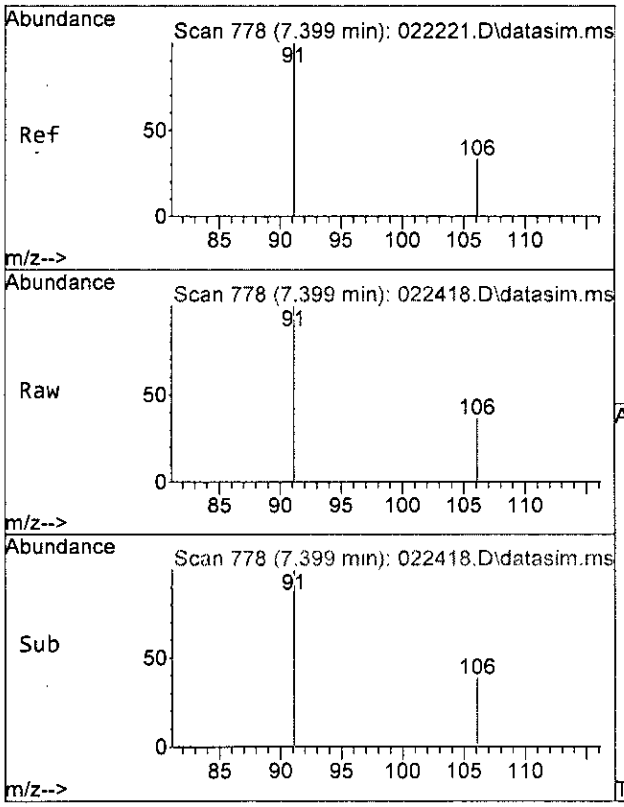


#45
Tetrachloroethene
Concen: 0.124 ppb
RT: 6.51 min Scan# 685
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion:164 Resp: 1048

Ion	Ratio	Lower	Upper
164	100		
129	81.9	52.8	112.8
131	76.3	52.4	112.4
166	122.3	100.5	160.5

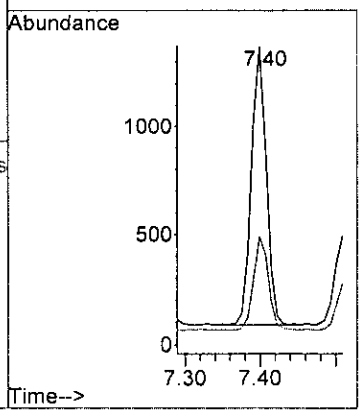


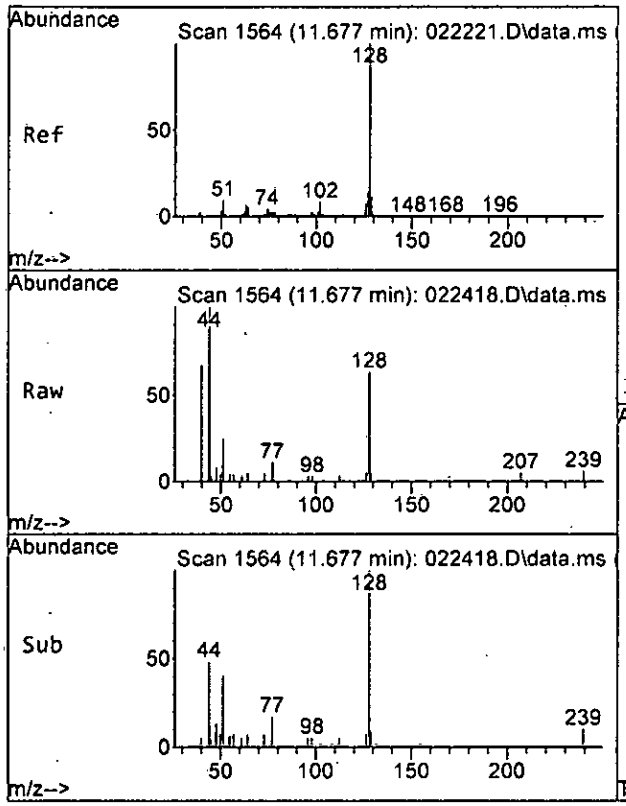


#49
Ethylbenzene
Concen: 0.051 ppb
RT: 7.40 min Scan# 778
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion: 91 Resp: 1761

Ion	Ratio	Lower	Upper
91	100		
106	32.9	1.4	61.4

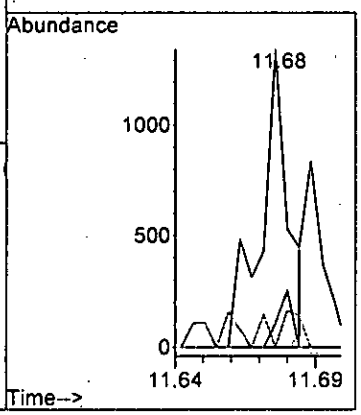




#75
Naphthalene
Concen: 0.029 ppb
RT: 11.68 min Scan# 1564
Delta R.T. -0.000 min
Lab File: 022418.D
Acq: 24 Feb 2023 11:50 am

Tgt Ion:128 Resp: 953

Ion	Ratio	Lower	Upper
128	100		
129	7.8	0.0	40.5
127	0.0	0.0	43.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	261442	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	209738	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	127976	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	70021	9.625	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.20%				
30) 1,2-Dichloroethane-d4	4.35	102	16231	10.040	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 100.40%				
35) Toluene-d8	5.98	98	238147	9.678	ppb		0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 96.80%				
57) 4-Bromofluorobenzene	8.38	95	92088	9.933	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.30%				
Target Compounds							Qvalue
2) Ethanol	1.84	45	181	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.21	50	1535	N.D.			
6] Vinyl chloride	1.29	62	8033	0.509	ppb		94
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.39	45	338	No Calib			
11) Acetone	2.26	58	436	N.D.			
12] 1,1-Dichloroethene	2.19	96	363	0.047	ppb		90
13) Hexane	3.04	57	764	N.D.			
14) Methylene chloride	2.61	84	3623	0.497	ppb	#	47
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	7909	1.162	ppb		90
18) Diisopropyl ether (DIPE)	3.29	45	103	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.64	77	327	Below Cal			68
22] cis-1,2-Dichloroethene	3.67	96	288886	38.318	ppb	#	77
23) Chloroform	3.94	83	120	N.D.			
24) 2-Butanone (MEK)	3.70	43	320	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.41	62	594	0.030	ppb		89
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	4.16	75	189	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.38	78	9328	0.340	ppb		96
32] Trichloroethene	4.93	95	185591	23.650	ppb		96
33) 1,2-Dichloropropane	5.08	63	152	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	5.34	93	88	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

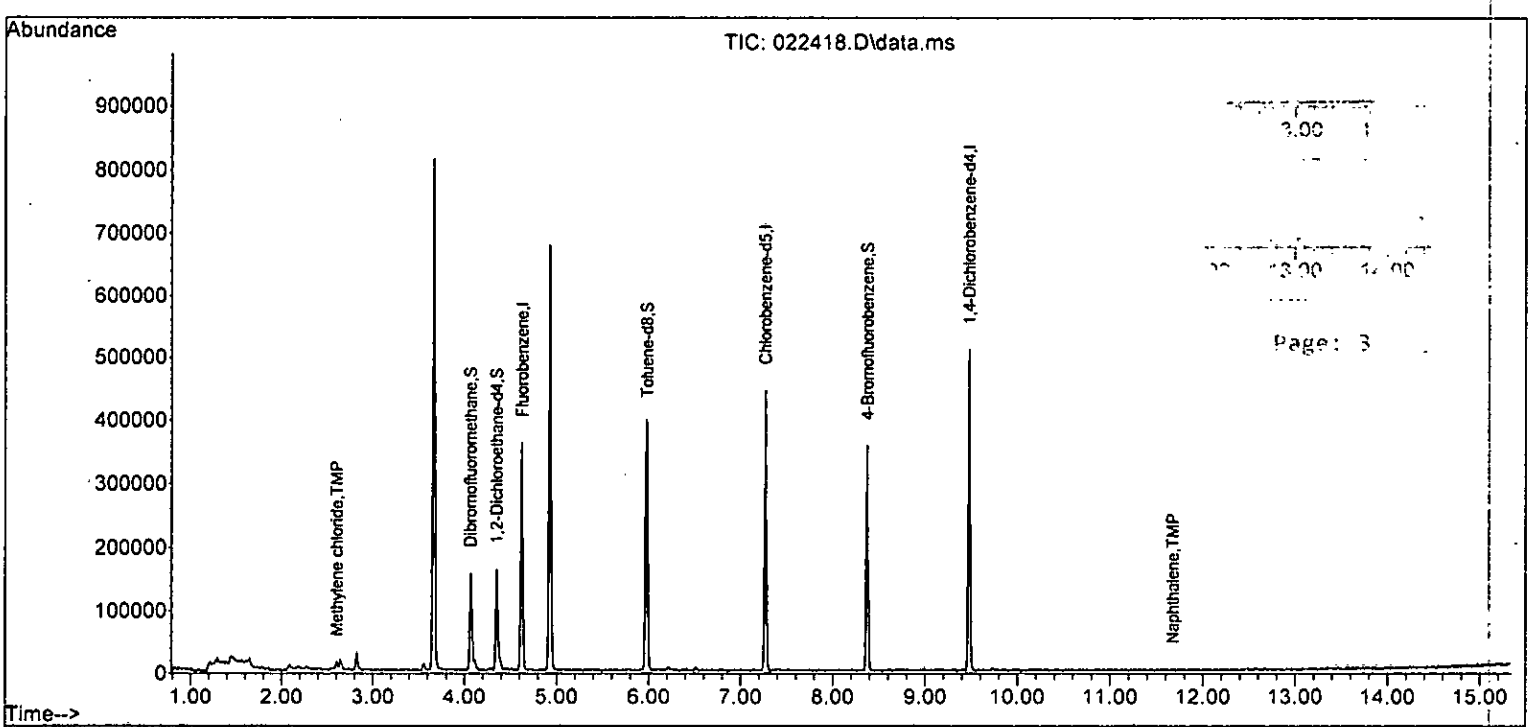
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d	
38) cis-1,3-Dichloropropene	5.76	75	171	N.D.	
40] Toluene	6.03	92	239	0.013 ppb	95
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	6.61	43	434	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.51	164	1048	0.124 ppb	95
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	6.84	107	55	N.D.	
48) Chlorobenzene	7.30	112	68	N.D.	
49] Ethylbenzene	7.40	91	1761	0.051 ppb	97
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.51	106	295	Below Cal	96
52) o-Xylene	7.88	106	69	N.D.	
53) Styrene	7.91	104	62	N.D.	
54) Isopropylbenzene	8.23	105	274	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.62	91	772	N.D.	
59) Bromobenzene	8.51	156	119	N.D.	
60) 1,3,5-Trimethylbenzene	8.85	105	140	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.63	83	224	Below Cal #	23
62) 1,2,3-Trichloropropane	8.74	75	74	N.D.	
63) 2-Chlorotoluene	8.70	91	102	N.D.	
64) 4-Chlorotoluene	8.79	91	150	N.D.	
65) tert-Butylbenzene	9.10	119	107	N.D.	
66) 1,2,4-Trimethylbenzene	9.15	105	675	N.D.	
67) sec-Butylbenzene	9.31	105	154	N.D.	
68) p-Isopropyltoluene	9.47	119	254	N.D.	
69) 1,3-Dichlorobenzene	9.42	146	289	N.D.	
70) 1,4-Dichlorobenzene	9.51	146	479	N.D.	
71) 1,2-Dichlorobenzene	9.86	146	120	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.66	75	113	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	516	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.68	128	953	0.029 ppb	78
76) 1,2,3-Trichlorobenzene	11.92	180	464	N.D.	

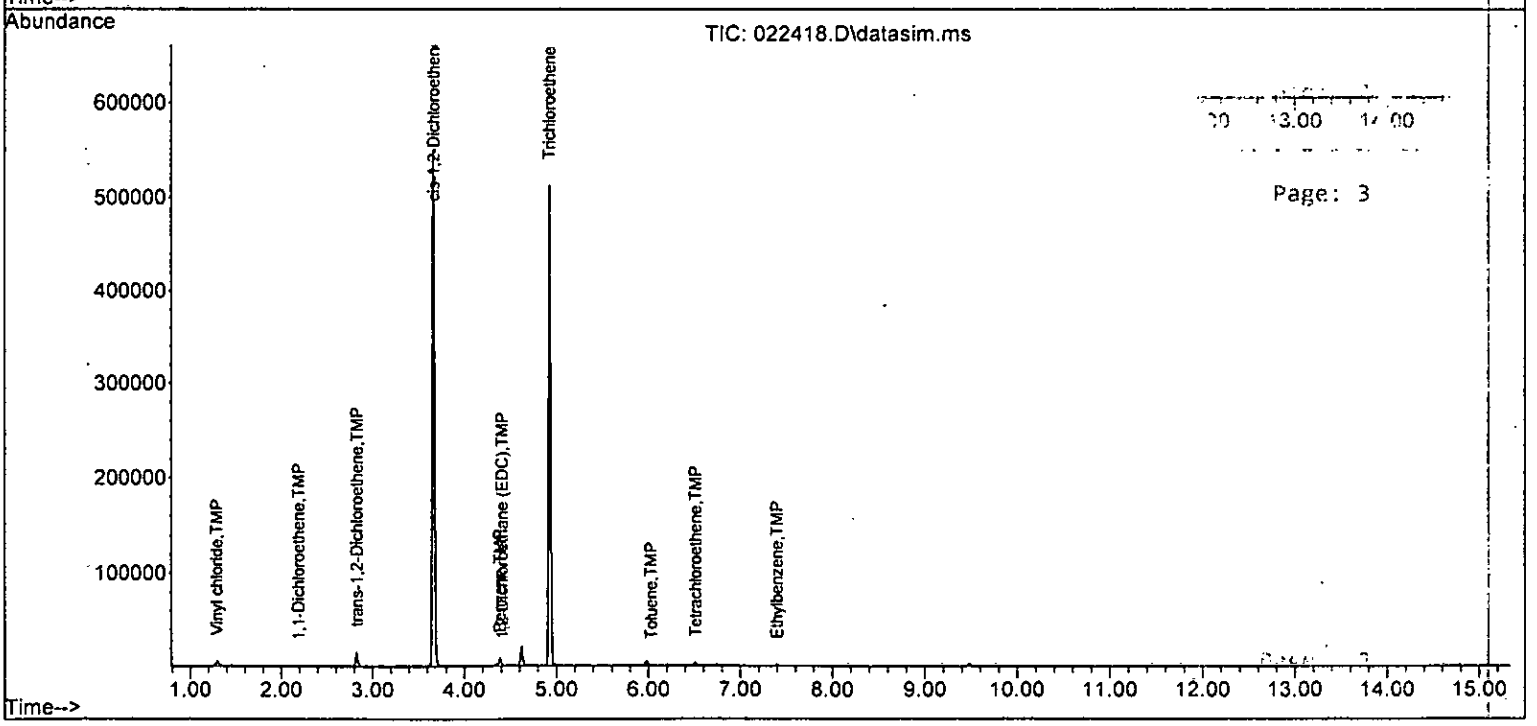
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022418.D
Acq On : 24 Feb 2023 11:50 am
Operator : LM
Sample : 302300-01 1/10
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:44 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

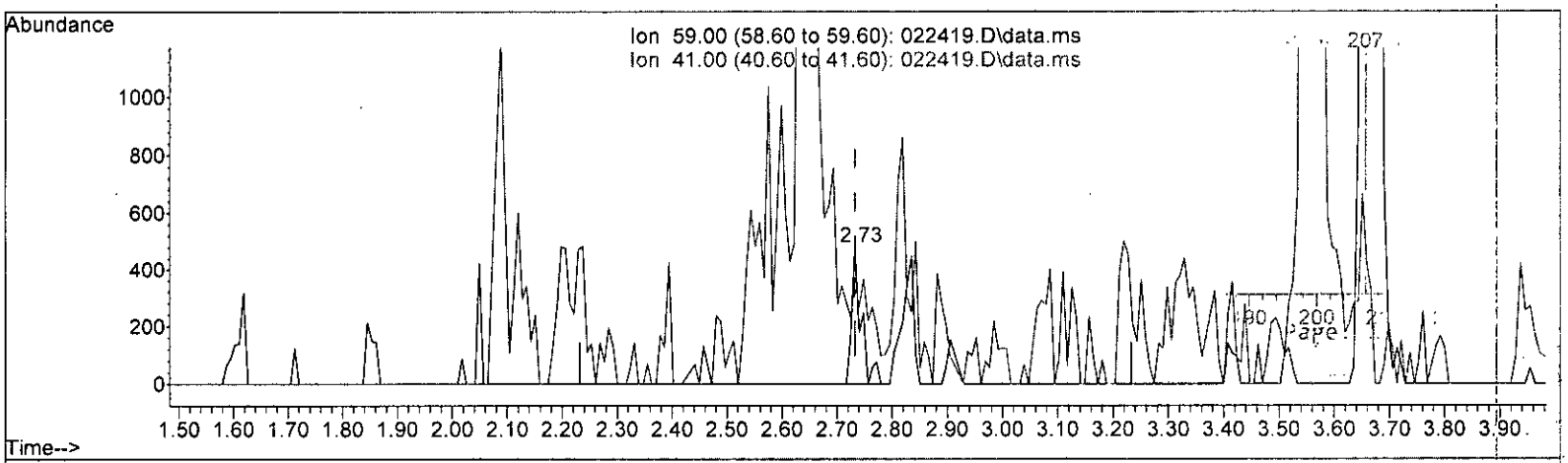


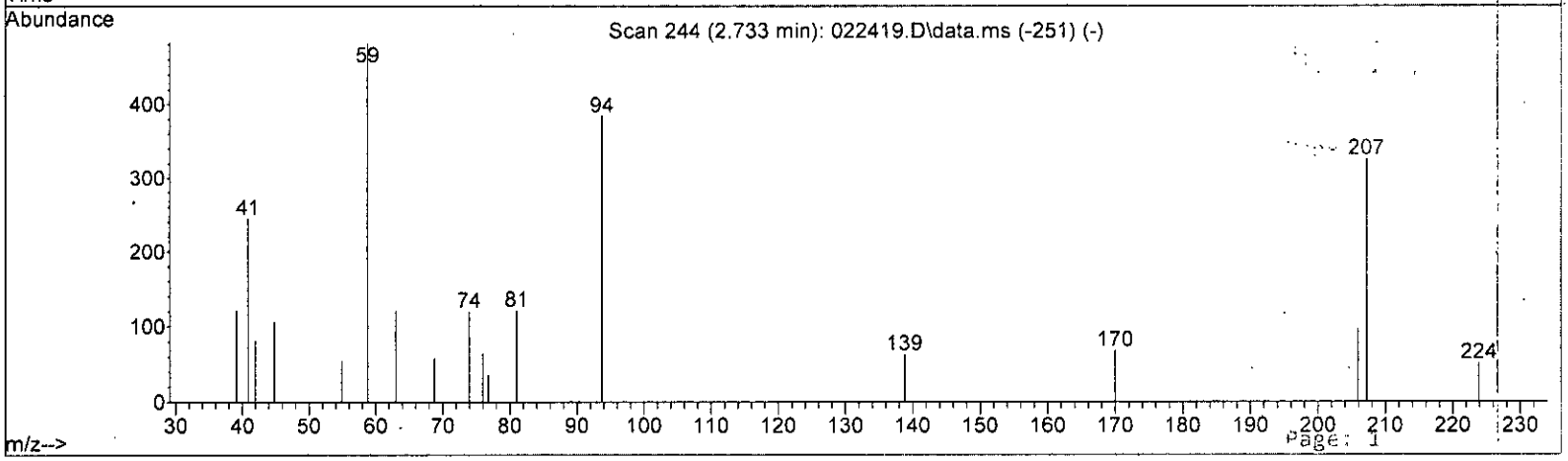


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022419.D\data.ms

(15) t-Butyl alcohol (TBA) (TMP)

2.733min (+ 0.000) 0.560 ppb

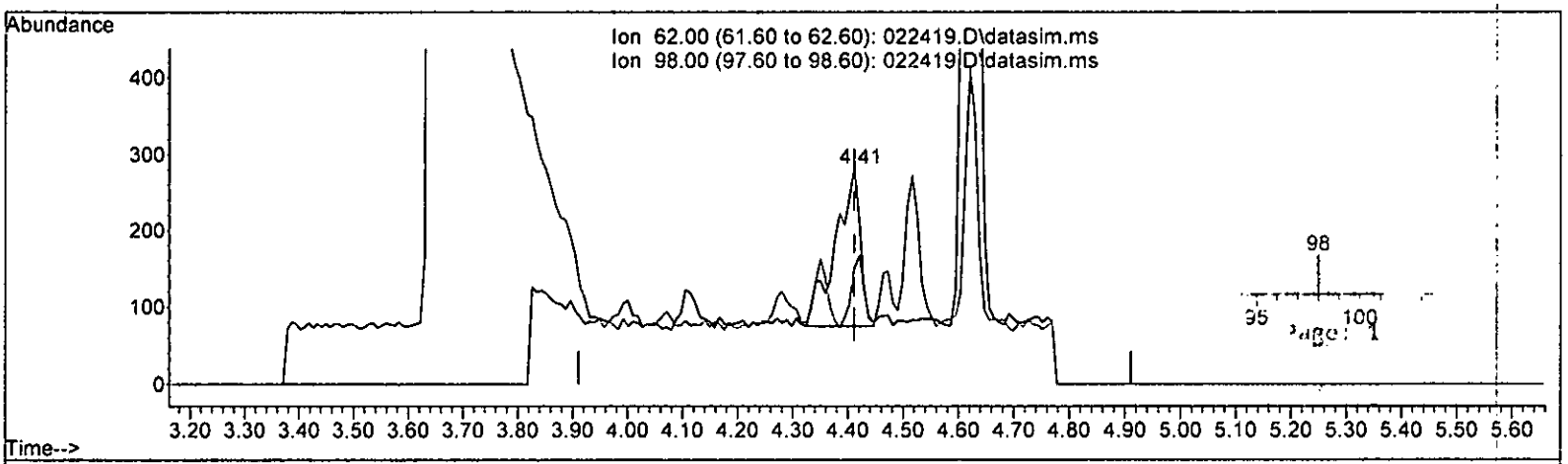
response 567

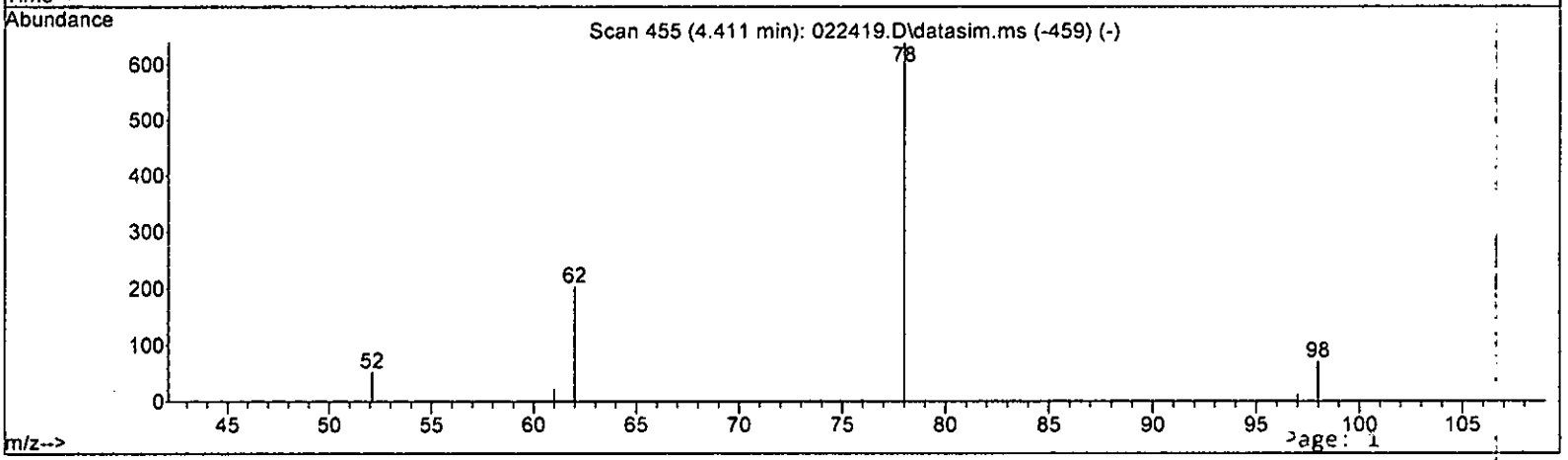
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	23.50	50.62
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022419.D\data.ms

(26) 1,2-Dichloroethane (EDC) (TMP)

4.411min (+ 0.000) 0.036 ppb

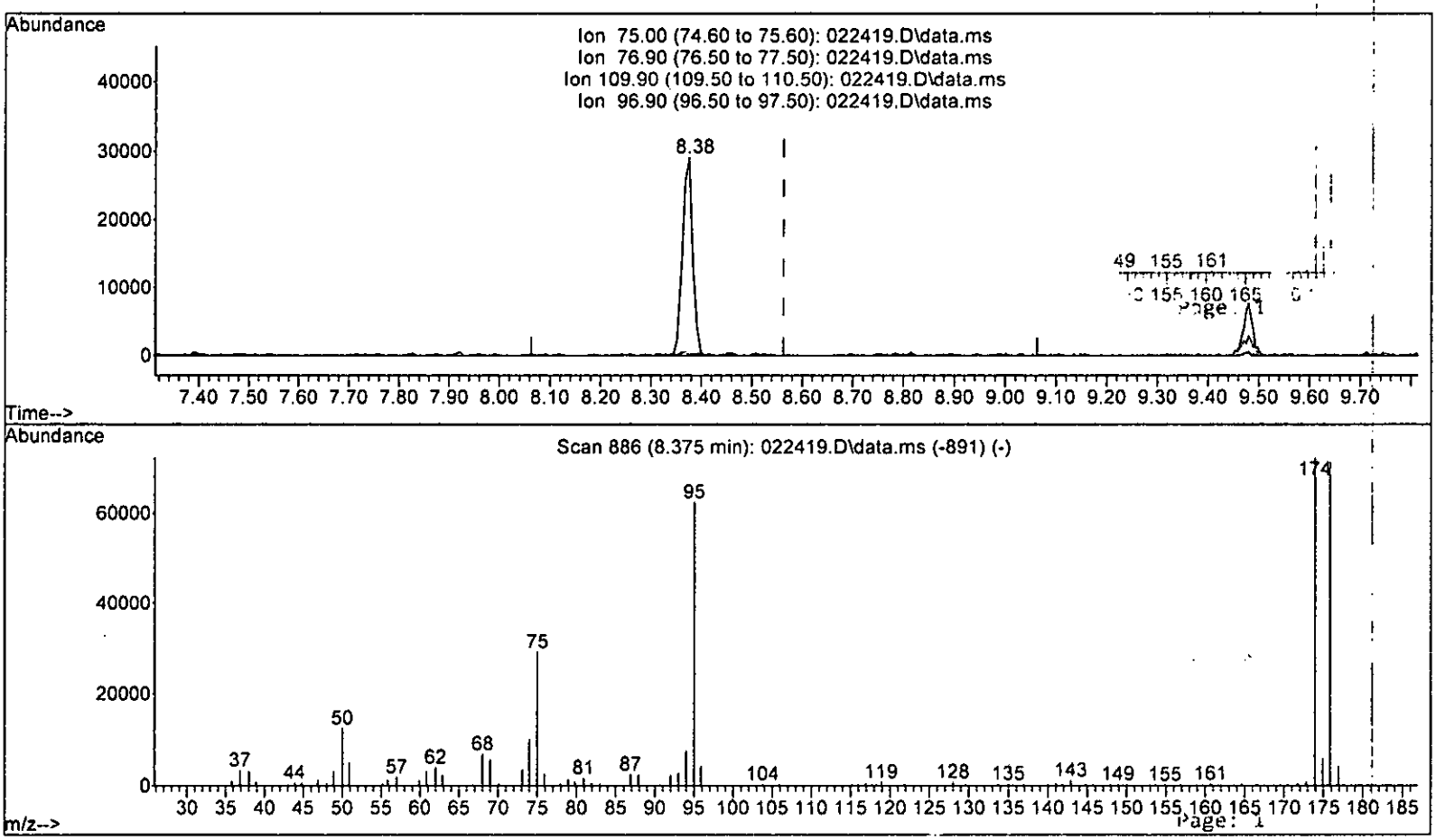
response 637

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	7.60	33.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022419.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.188) 6.499 ppb

response 41019

Ion	Exp%	Act%
75.00	100.00	100.00
76.90	26.30	0.00
109.90	38.70	0.00#
96.90	20.20	0.41

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

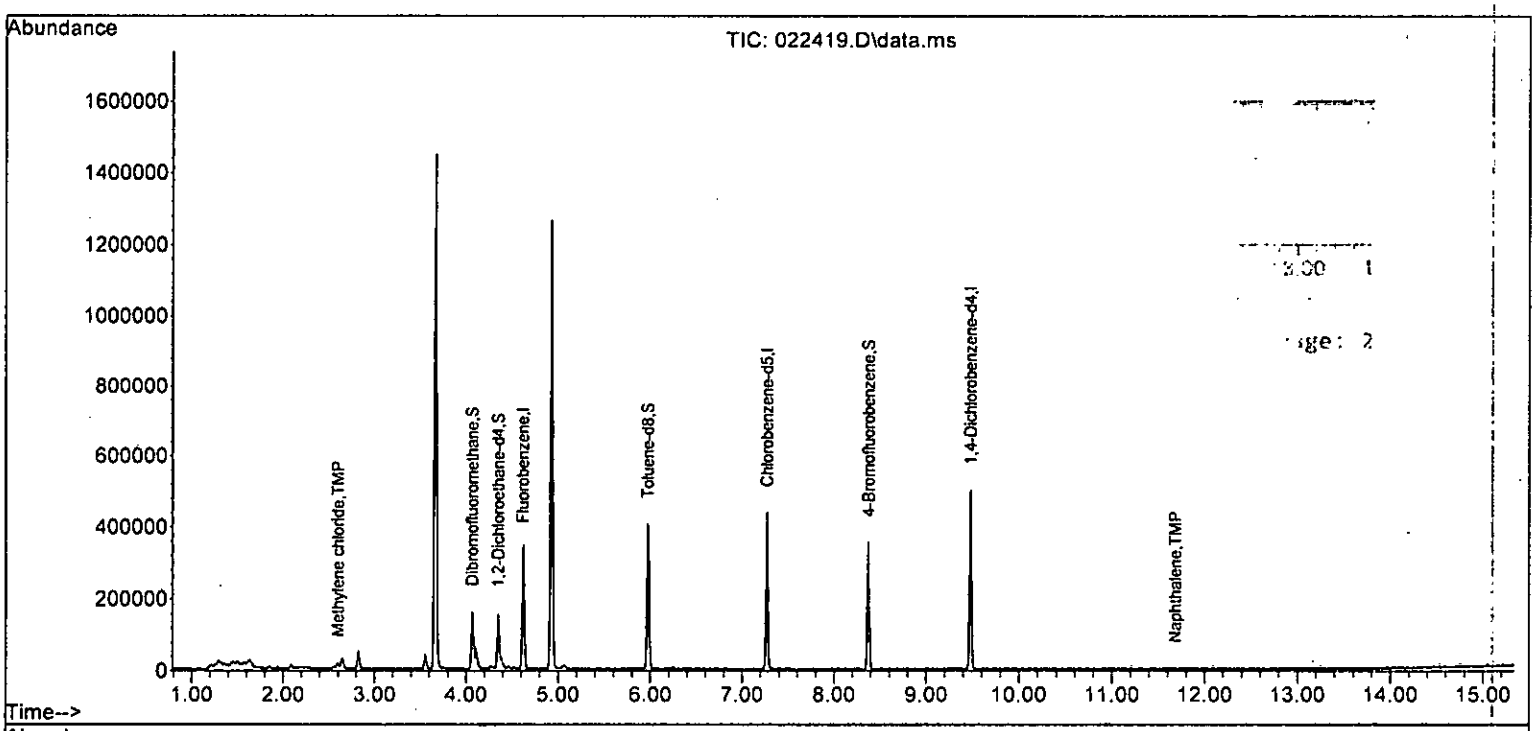
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	252966	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	205073	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	124111	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	72670	10.324	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%			
30) 1,2-Dichloroethane-d4	4.35	102	15176	9.702	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.00%			
35) Toluene-d8	5.97	98	236342	9.926	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.30%			
57) 4-Bromofluorobenzene	8.38	95	88508	9.844	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.40%			
Target Compounds						Qvalue
6] Vinyl chloride	1.29	62	15135	0.992	ppb	89
12] 1,1-Dichloroethene	2.18	96	876	0.117	ppb	94
14) Methylene chloride	2.60	84	4568	0.648	ppb	93
17] trans-1,2-Dichloroethene	2.82	96	14494	2.218	ppb	99
21) 2,2-Dichloropropane	3.62	77	328	Below Cal		53
22] cis-1,2-Dichloroethene	3.66	96	511670	70.152	ppb	89
31] Benzene	4.39	78	20767	0.783	ppb	98
32] Trichloroethene	4.93	95	339822	44.768	ppb	94
40] Toluene	6.03	92	344	0.020	ppb	88
45] Tetrachloroethene	6.51	164	981	0.119	ppb	95
49] Ethylbenzene	7.40	91	1427	0.043	ppb	93
50) 1,1,1,2-Tetrachloroethane	7.41	131	84	Below Cal	#	14
51] m,p-Xylene	7.51	106	307	Below Cal		98
61) 1,1,2,2-Tetrachloroethane	8.38	83	193	Below Cal	#	24
75) Naphthalene	11.68	128	951	0.030	ppb	70

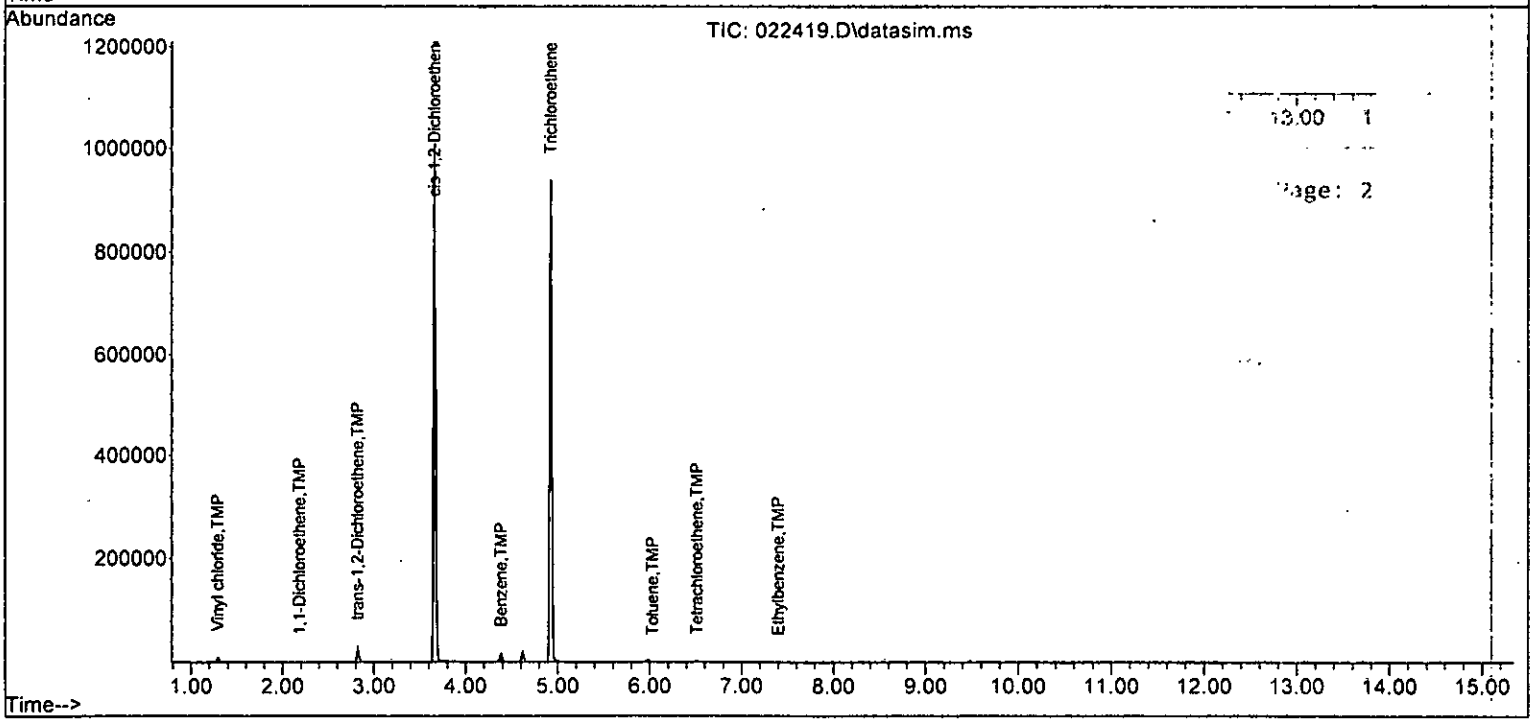
(#) = qualifier out of range (m) = manual integration (+) = signals summed

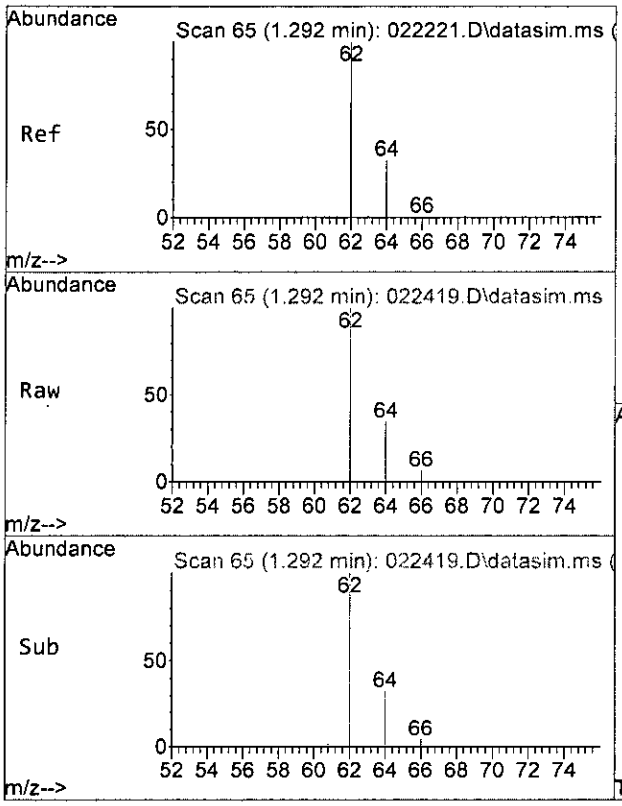
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



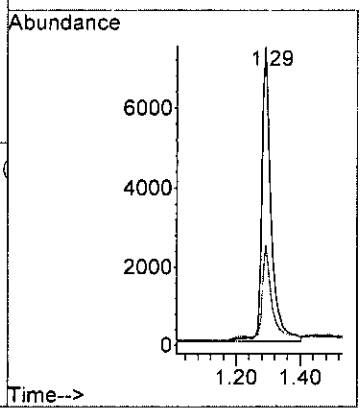


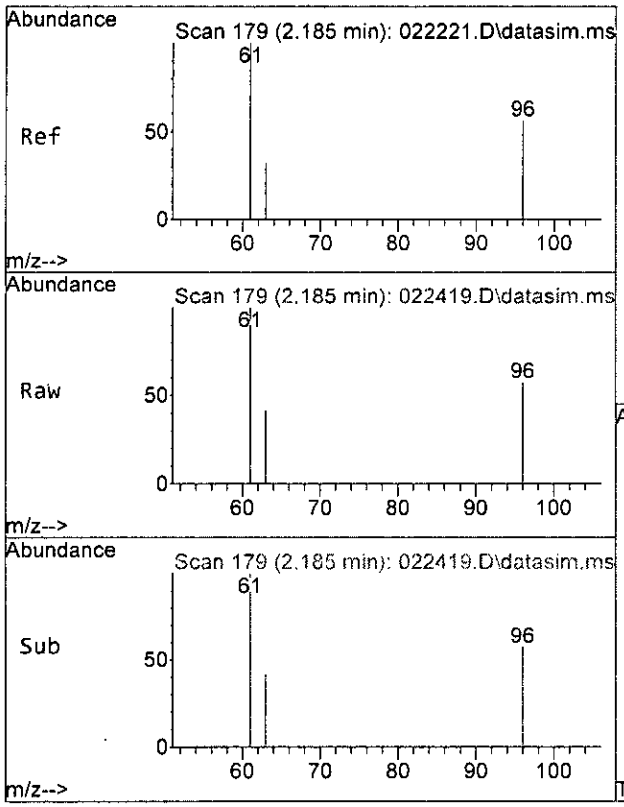


#6
Vinyl chloride
Concen: 0.992 ppb
RT: 1.29 min Scan# 65
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 62 Resp: 15135

Ion	Ratio	Lower	Upper
62	100		
64	32.6	0.0	56.9

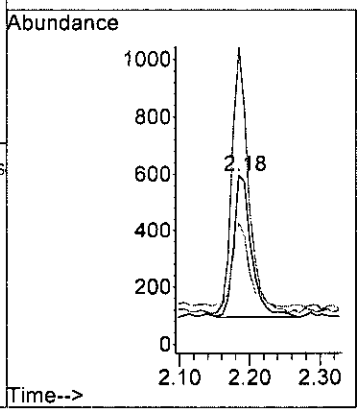


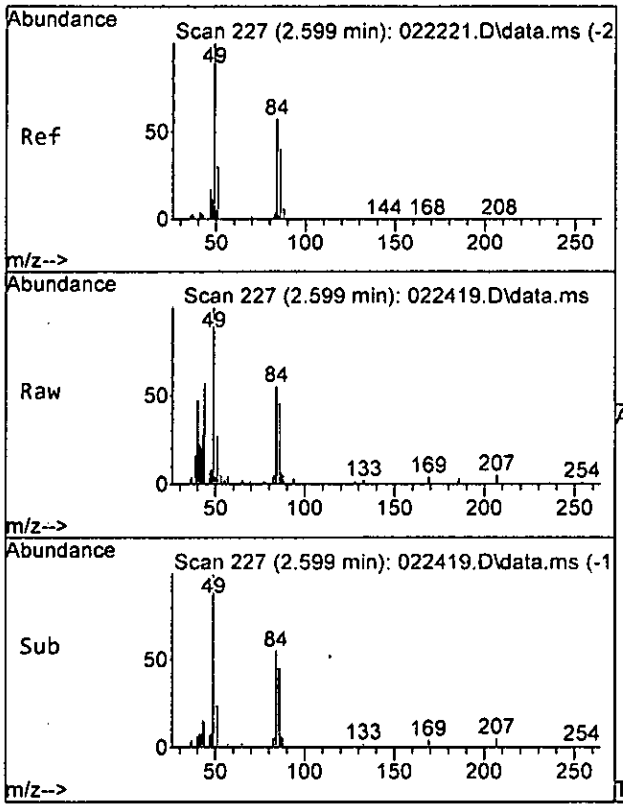


#12
1,1-Dichloroethene
Concen: 0.117 ppb
RT: 2.18 min Scan# 179
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 96 Resp: 876

Ion	Ratio	Lower	Upper
96	100		
61	186.4	145.6	205.6
63	57.9	27.4	87.4

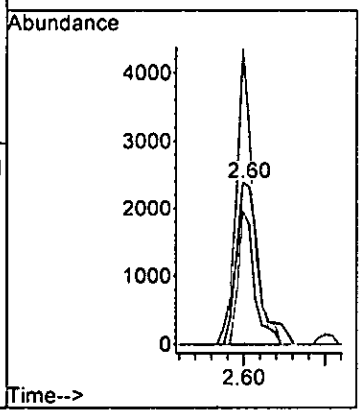


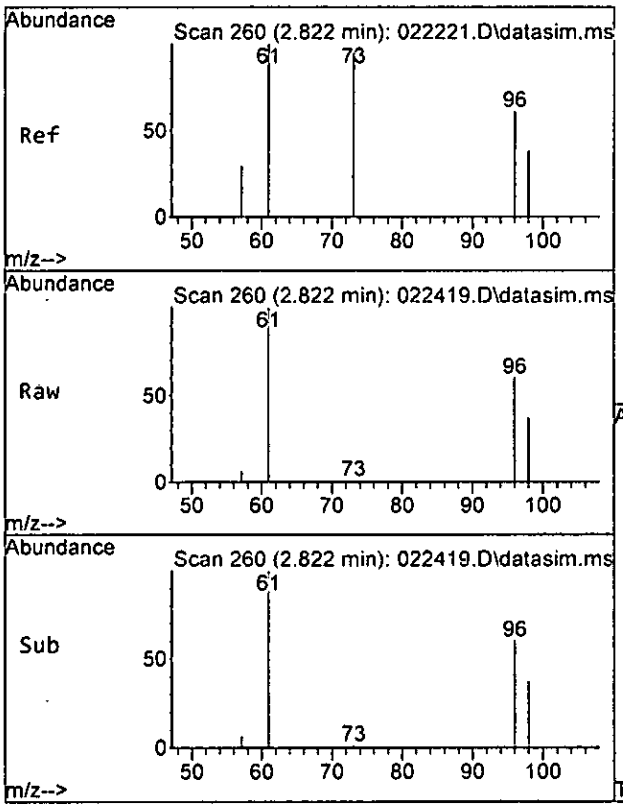


#14
Methylene chloride
Concen: 0.648 ppb
RT: 2.60 min Scan# 227
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 84 Resp: 4568

Ion	Ratio	Lower	Upper
84	100		
86	82.1	40.3	100.3
49	182.7	147.3	207.3

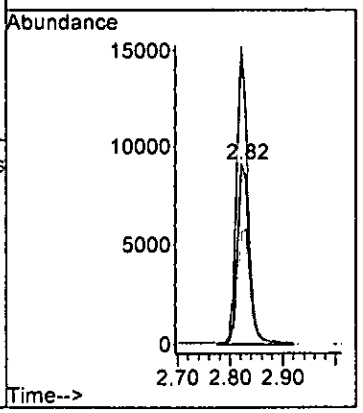


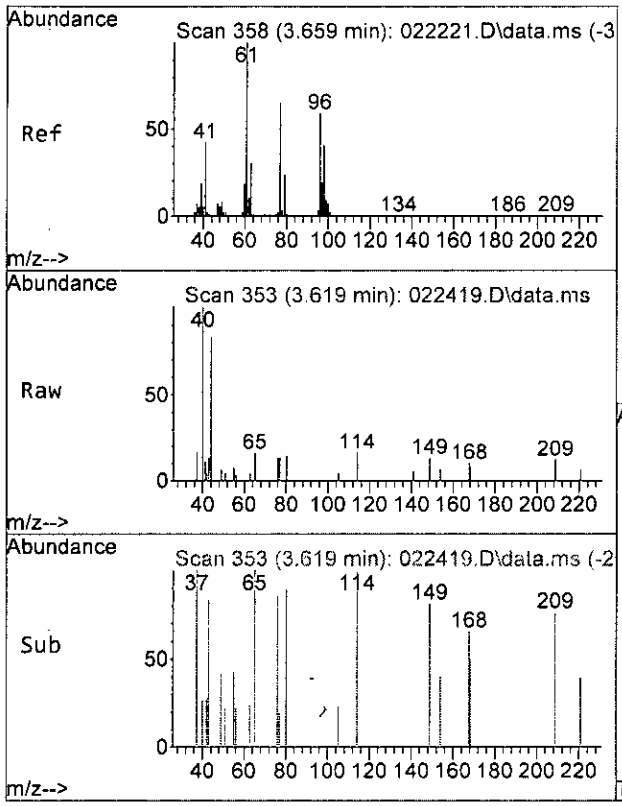


#17
trans-1,2-Dichloroethene
Concen: 2.218 ppb
RT: 2.82 min Scan# 260
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 96 Resp: 14494

Ion	Ratio	Lower	Upper
96	100		
61	167.2	135.7	195.7
98	62.0	32.4	92.4

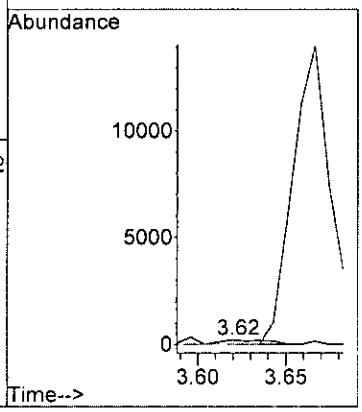


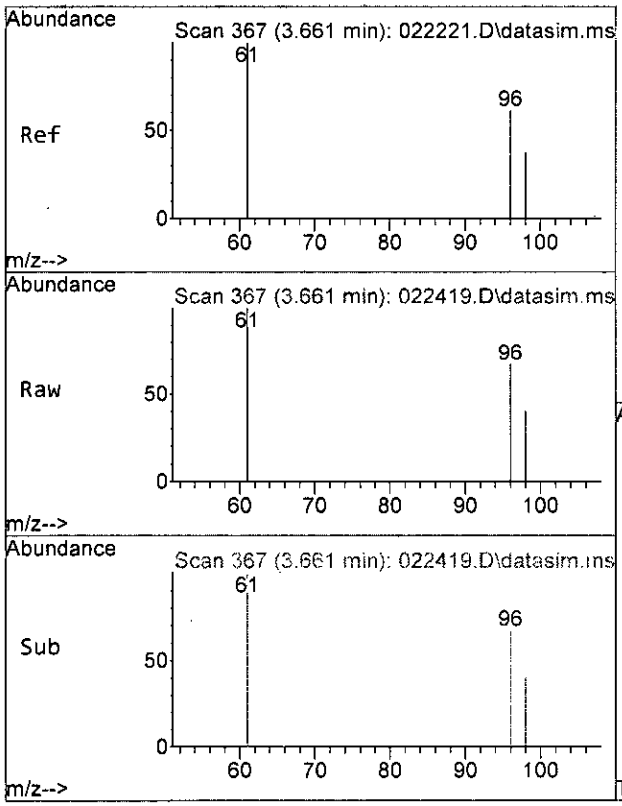


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.62 min Scan# 353
Delta R.T. -0.039 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 77 Resp: 328

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

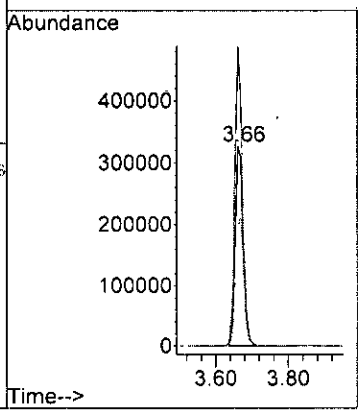


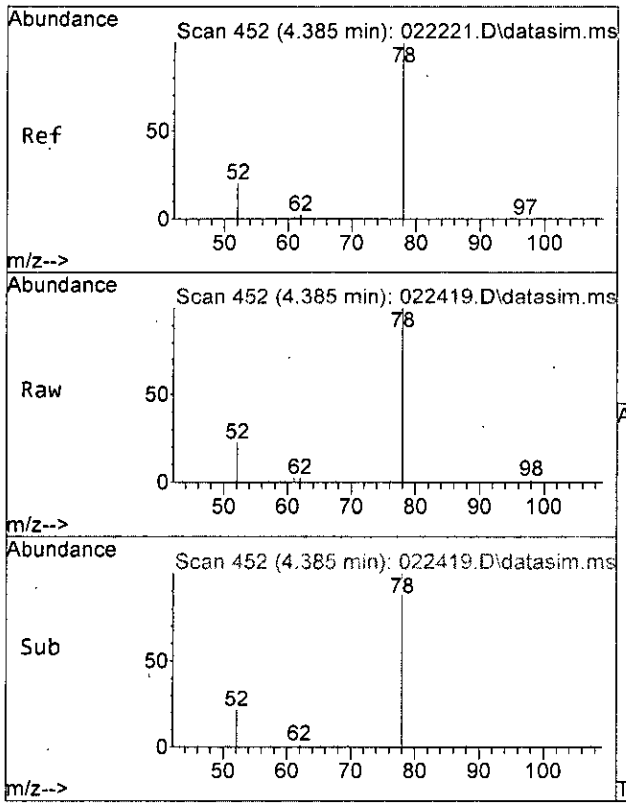


#22
cis-1,2-Dichloroethene
Concen: 70.152 ppb
RT: 3.66 min Scan# 367
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 96 Resp: 511670

Ion	Ratio	Lower	Upper
96	100		
61	149.6	139.8	199.8
98	59.7	30.7	90.7

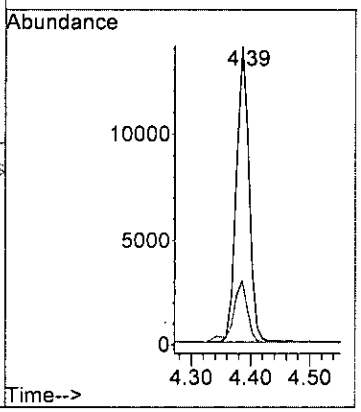


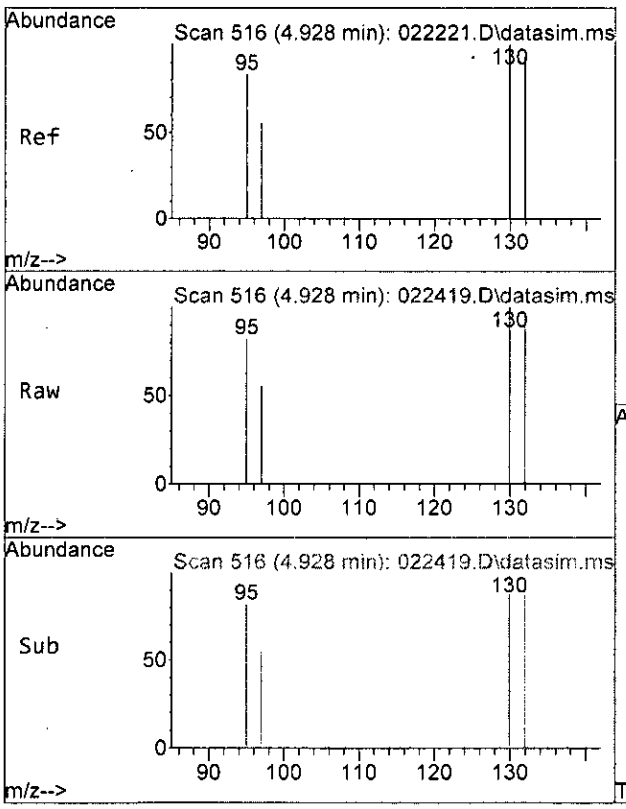


#31
Benzene
Concen: 0.783 ppb
RT: 4.39 min Scan# 452
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 78 Resp: 20767

Ion	Ratio	Lower	Upper
78	100		
52	21.4	0.0	50.6

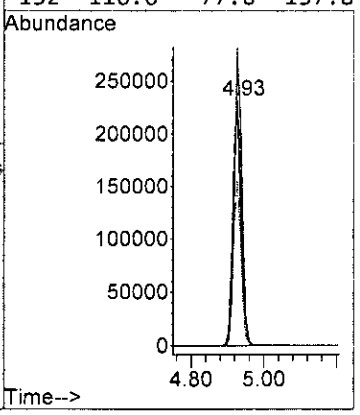


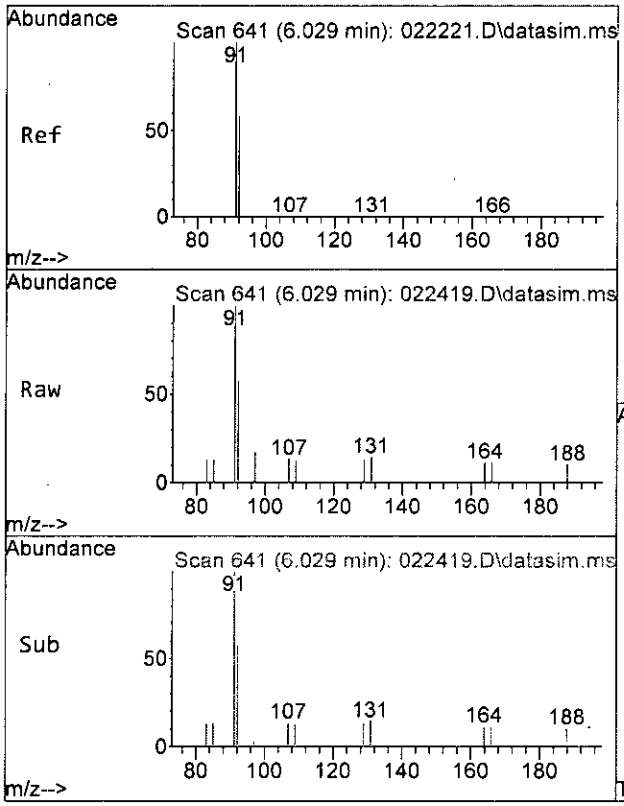


#32
Trichloroethene
Concen: 44.768 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 95 Resp: 339822

Ion	Ratio	Lower	Upper
95	100		
97	67.1	36.5	96.5
130	121.3	83.1	143.1
132	116.6	77.8	137.8

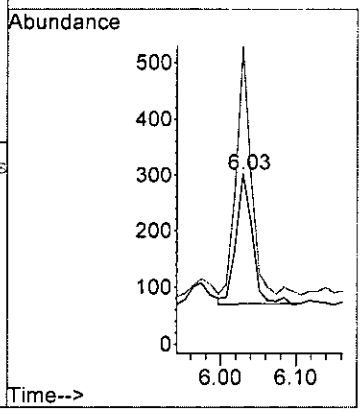


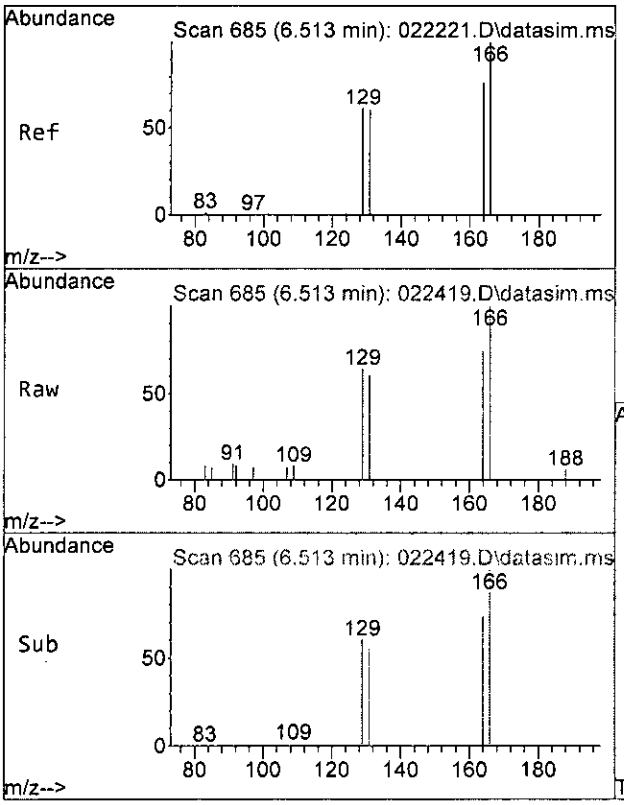


#40
Toluene
Concen: 0.020 ppb
RT: 6.03 min Scan# 641
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 92 Resp: 344

Ion	Ratio	Lower	Upper
92	100		
91	191.3	144.6	204.6

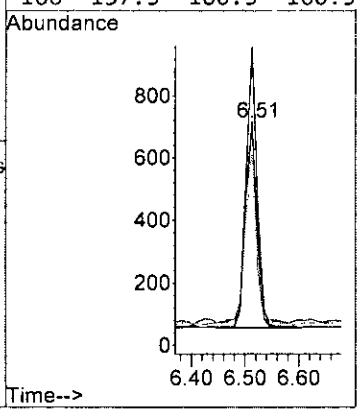


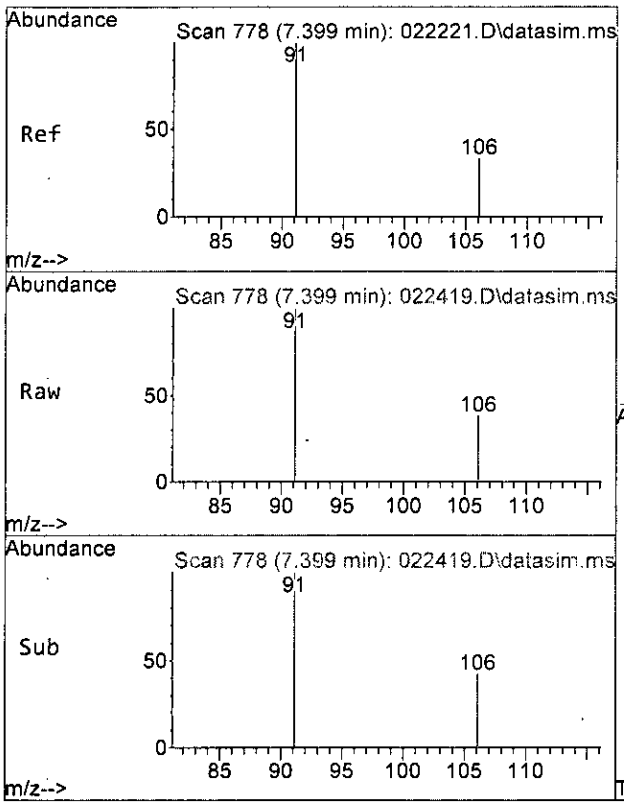


#45
Tetrachloroethene
Concen: 0.119 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion:164 Resp: 981

Ion	Ratio	Lower	Upper
164	100		
129	81.5	52.8	112.8
131	76.9	52.4	112.4
166	137.3	100.5	160.5

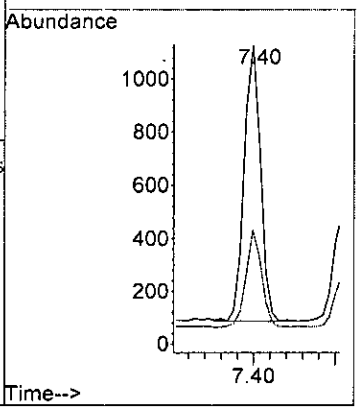


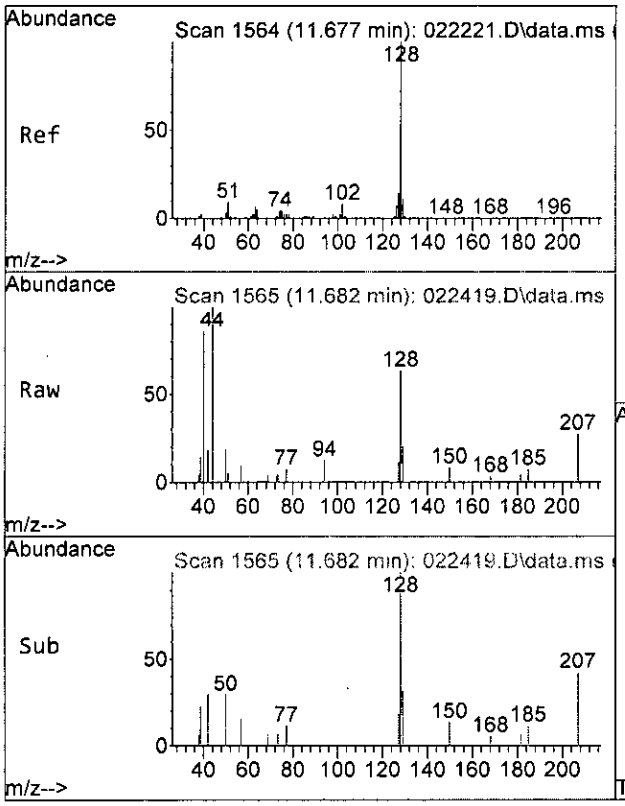


#49
Ethylbenzene
Concen: 0.043 ppb
RT: 7.40 min Scan# 778
Delta R.T. 0.000 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion: 91 Resp: 1427

Ion	Ratio	Lower	Upper
91	100		
106	35.3	1.4	61.4

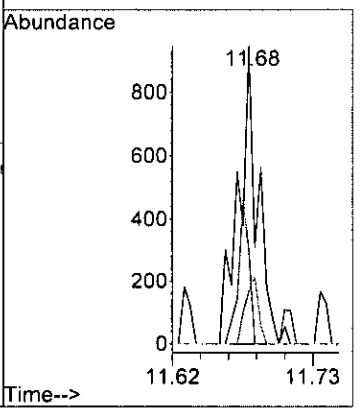




#75
Naphthalene
Concen: 0.030 ppb
RT: 11.68 min Scan# 1565
Delta R.T. 0.005 min
Lab File: 022419.D
Acq: 24 Feb 2023 12:12 pm

Tgt Ion:128 Resp: 951

Ion	Ratio	Lower	Upper
128	100		
129	31.1	0.0	40.5
127	17.8	0.0	43.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	252966	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	205073	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	124111	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	72670	10.324	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%			
30) 1,2-Dichloroethane-d4	4.35	102	15176	9.702	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.00%			
35) Toluene-d8	5.97	98	236342	9.926	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.30%			
57) 4-Bromofluorobenzene	8.38	95	88508	9.844	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 98.40%			
Target Compounds						Qvalue
2) Ethanol	1.84	45	127	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.20	50	1461	N.D.		
6] Vinyl chloride	1.29	62	15135	0.992	ppb	89
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.40	45	1131	No Calib		
11) Acetone	2.28	58	327	N.D.		
12] 1,1-Dichloroethene	2.18	96	876	0.117	ppb	94
13) Hexane	3.04	57	96	N.D.		
14) Methylene chloride	2.60	84	4568	0.648	ppb	93
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.82	96	14494	2.218	ppb	99
18) Diisopropyl ether (DIPE)	3.27	45	50	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.62	77	328	Below Cal		53
22] cis-1,2-Dichloroethene	3.66	96	511670	70.152	ppb	89
23) Chloroform	3.95	83	221	N.D.		
24) 2-Butanone (MEK)	3.75	43	489	N.D.		
25) t-Amyl methyl ether (T...	4.46	73	214	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	4.23	75	70	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.39	78	20767	0.783	ppb	98
32] Trichloroethene	4.93	95	339822	44.768	ppb	94
33) 1,2-Dichloropropane	5.13	63	244	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

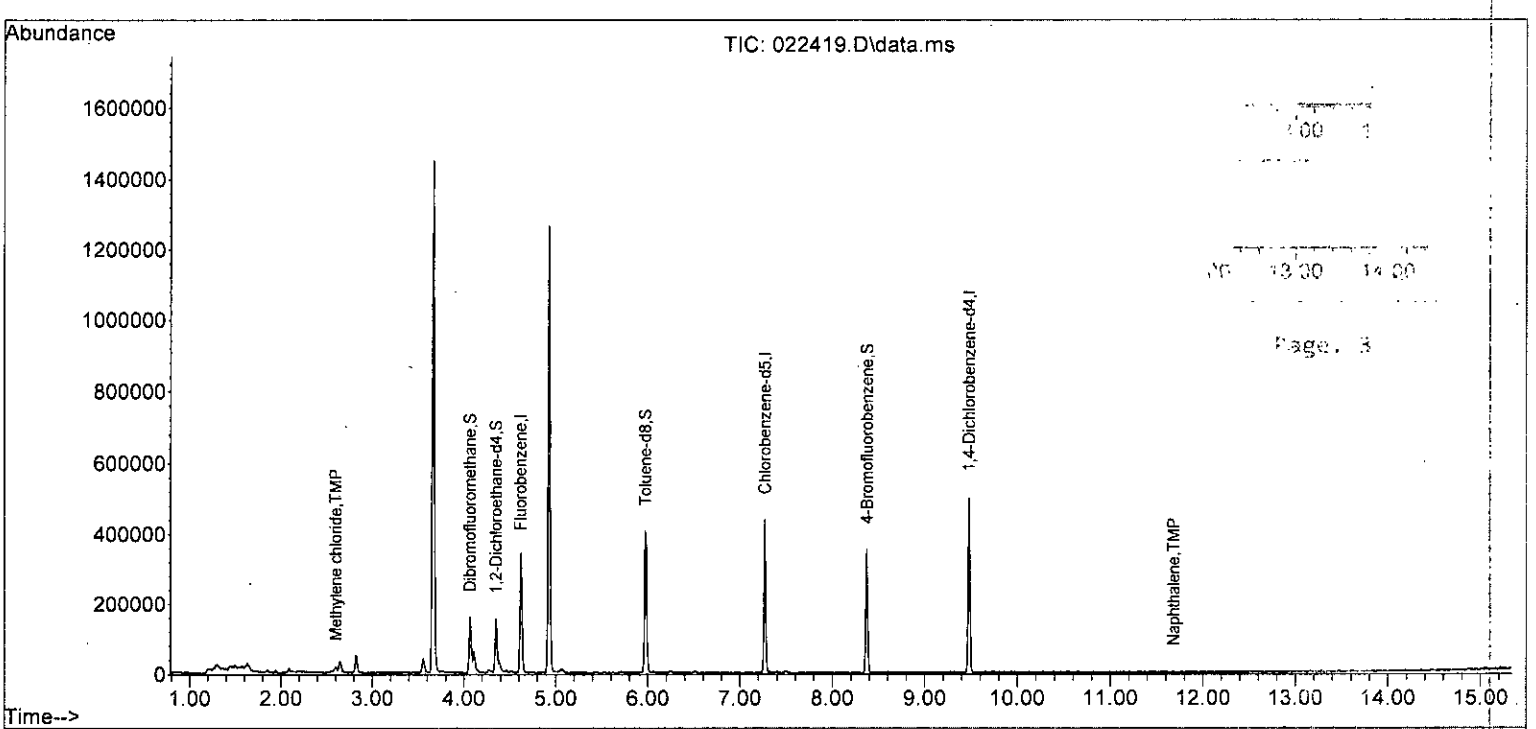
Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

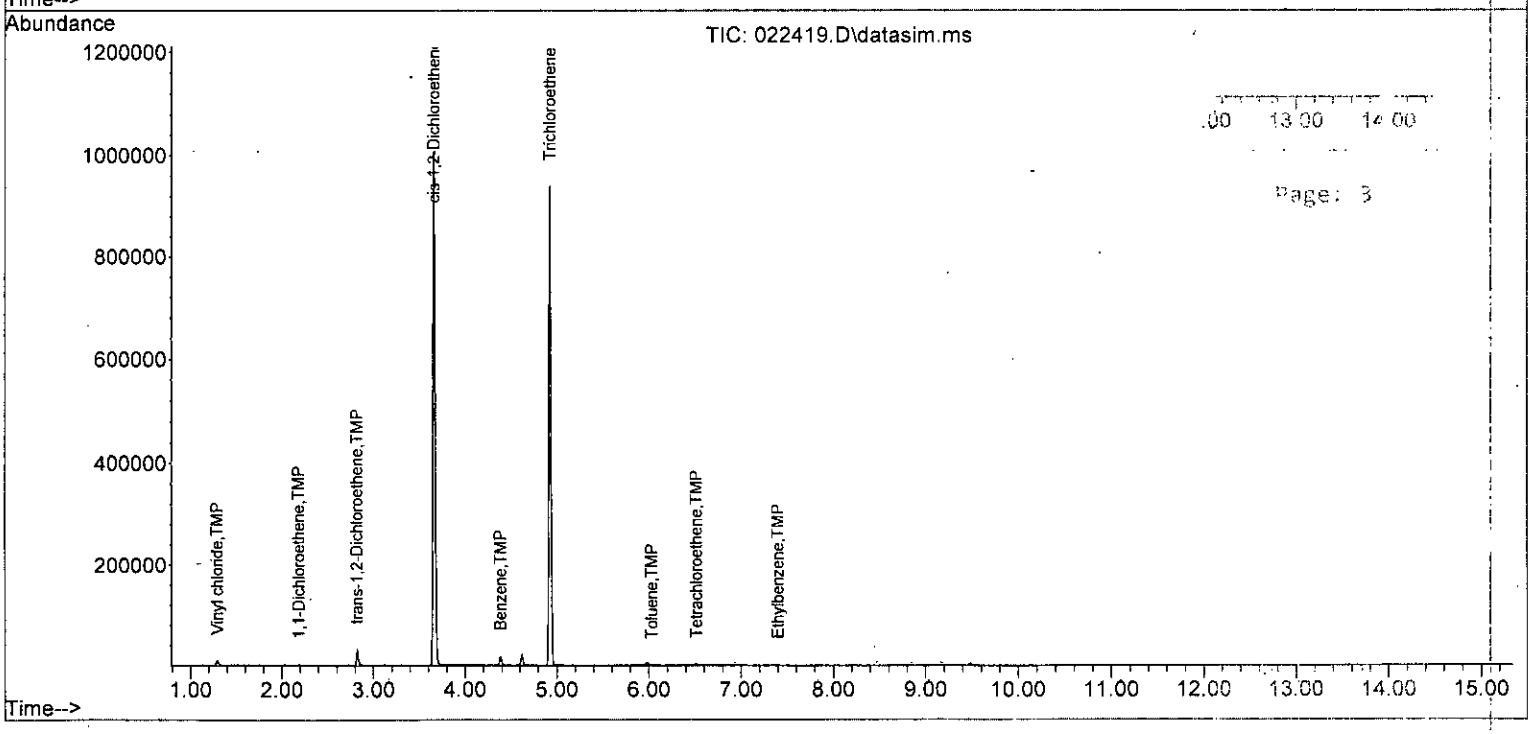
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.03	92	344	0.020 ppb	88
41) trans-1,3-Dichloropropene	6.13	75	124	N.D.	
42) 1,1,2-Trichloroethane	6.40	83	54	N.D.	
43) 2-Hexanone	6.65	43	539	N.D.	
44) 1,3-Dichloropropane	6.63	76	132	N.D.	
45] Tetrachloroethene	6.51	164	981	0.119 ppb	95
46) Dibromochloromethane	6.81	129	183	N.D.	
47) 1,2-Dibromoethane (EDB)	6.85	107	81	N.D.	
48) Chlorobenzene	7.30	112	246	N.D.	
49] Ethylbenzene	7.40	91	1427	0.043 ppb	93
50) 1,1,1,2-Tetrachloroethane	7.41	131	84	Below Cal #	14
51] m,p-Xylene	7.51	106	307	Below Cal	98
52) o-Xylene	7.88	106	88	N.D.	
53) Styrene	7.91	104	276	N.D.	
54) Isopropylbenzene	8.23	105	769	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.63	91	612	N.D.	
59) Bromobenzene	8.36	156	120	N.D.	
60) 1,3,5-Trimethylbenzene	8.78	105	326	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.38	83	193	Below Cal #	24
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.69	91	193	N.D.	
64) 4-Chlorotoluene	8.79	91	515	N.D.	
65) tert-Butylbenzene	9.11	119	280	N.D.	
66) 1,2,4-Trimethylbenzene	9.14	105	569	N.D.	
67) sec-Butylbenzene	9.31	105	104	N.D.	
68) p-Isopropyltoluene	9.40	119	112	N.D.	
69) 1,3-Dichlorobenzene	9.42	146	203	N.D.	
70) 1,4-Dichlorobenzene	9.51	146	327	N.D.	
71) 1,2-Dichlorobenzene	9.86	146	69	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.60	75	107	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	442	N.D.	
74) Hexachlorobutadiene	11.82	225	99	N.D.	
75) Naphthalene	11.68	128	951	0.030 ppb	70
76) 1,2,3-Trichlorobenzene	11.93	180	55	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022419.D
Acq On : 24 Feb 2023 12:12 pm
Operator : LM
Sample : 302300-02 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:48 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

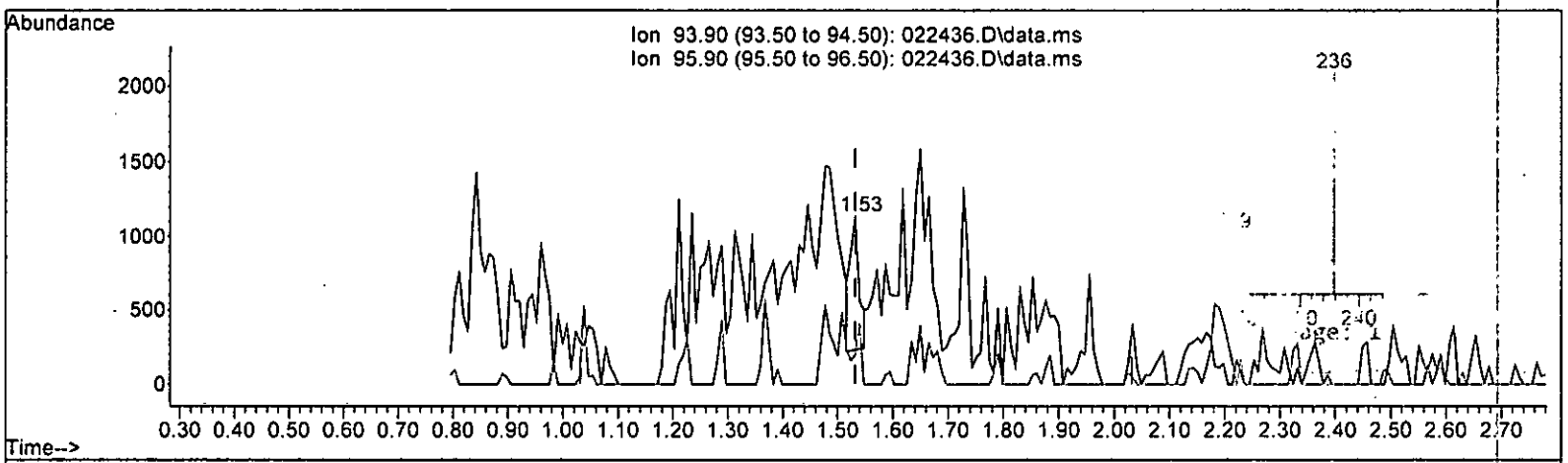


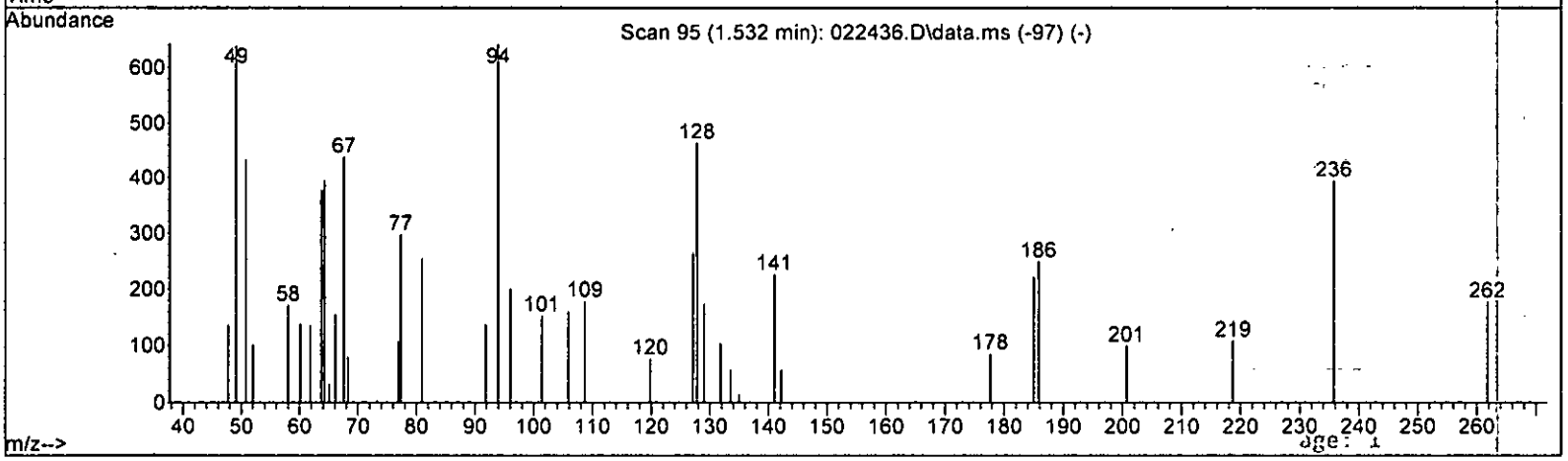


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022436.D\data.ms

(7) Bromomethane (TMP)

1.532min (-0.000) 0.140 ppb

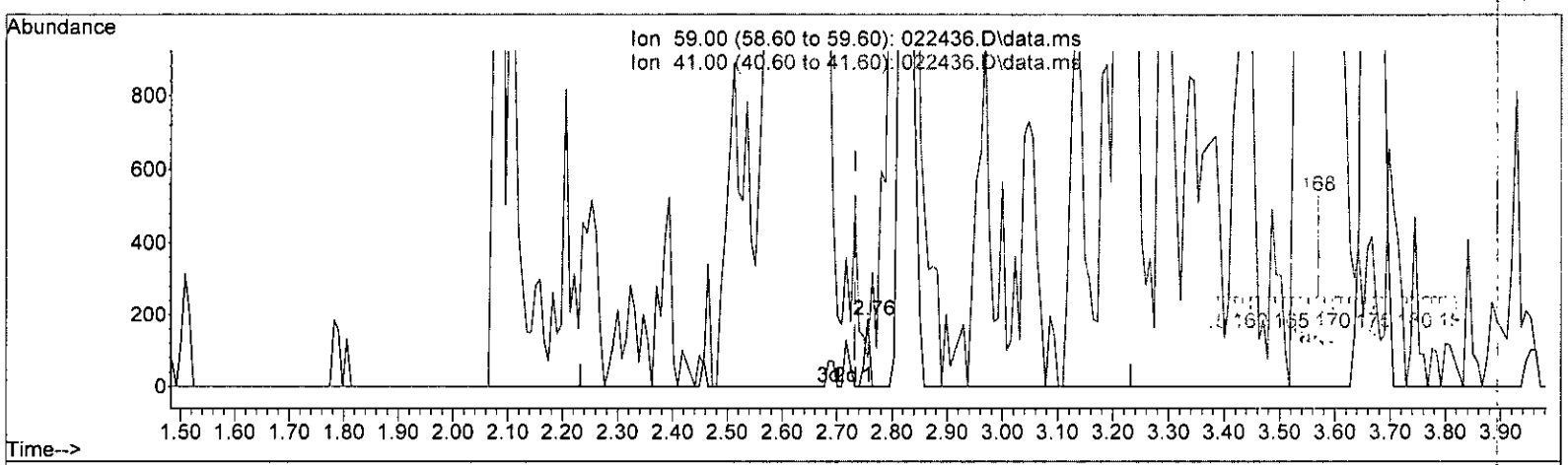
response 1015

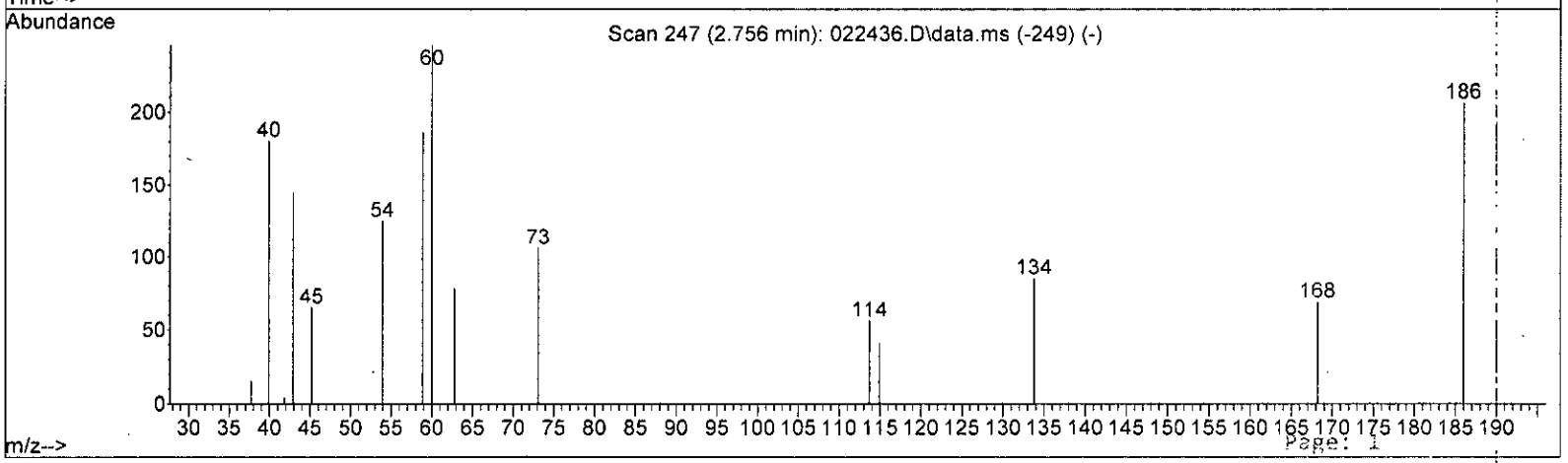
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	31.15#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022436.D\data.ms

(15) t-Butyl alcohol (TBA) (TMP)

2.756min (+ 0.024) 0.140 ppb

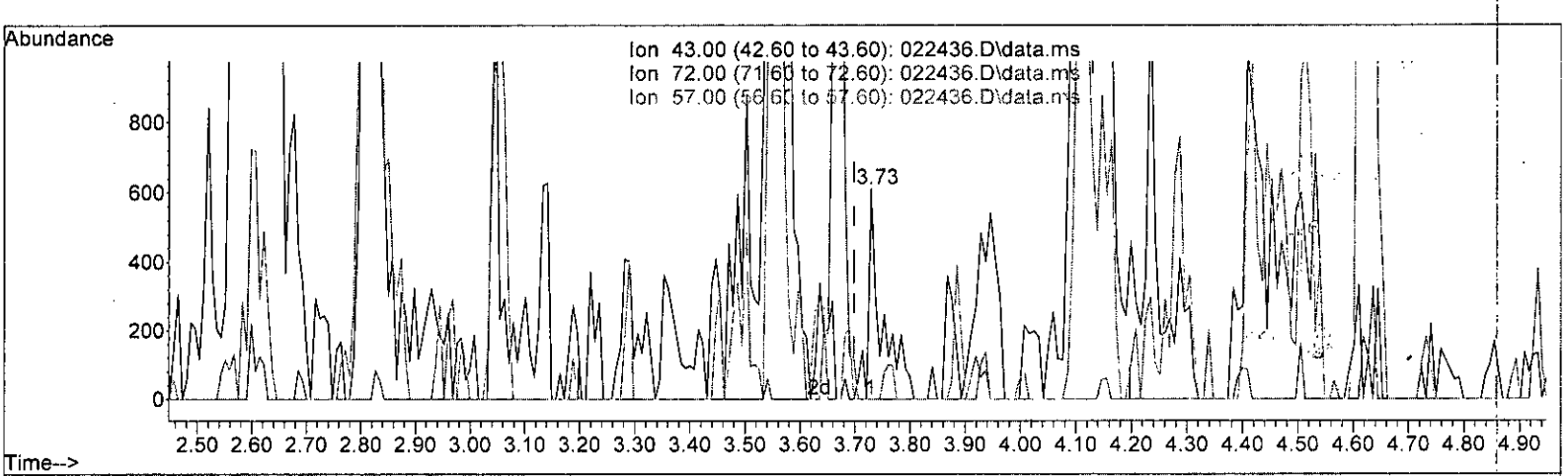
response 113

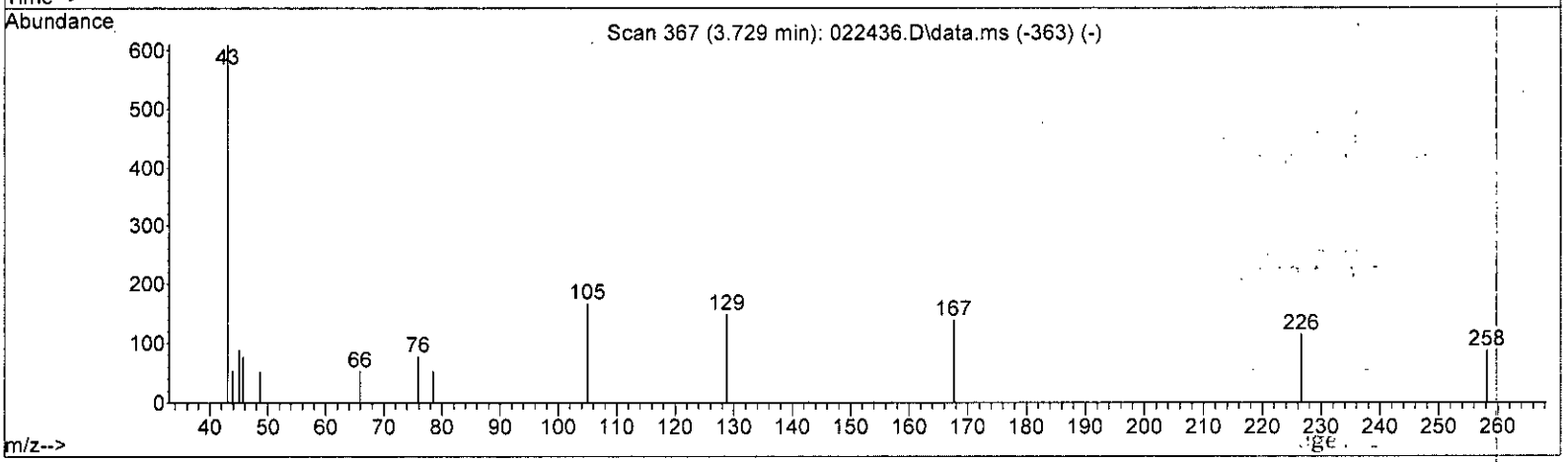
Ion	Exp%	Act%
59.00	100.00	100.00
41.00	23.50	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022436.D\data.ms

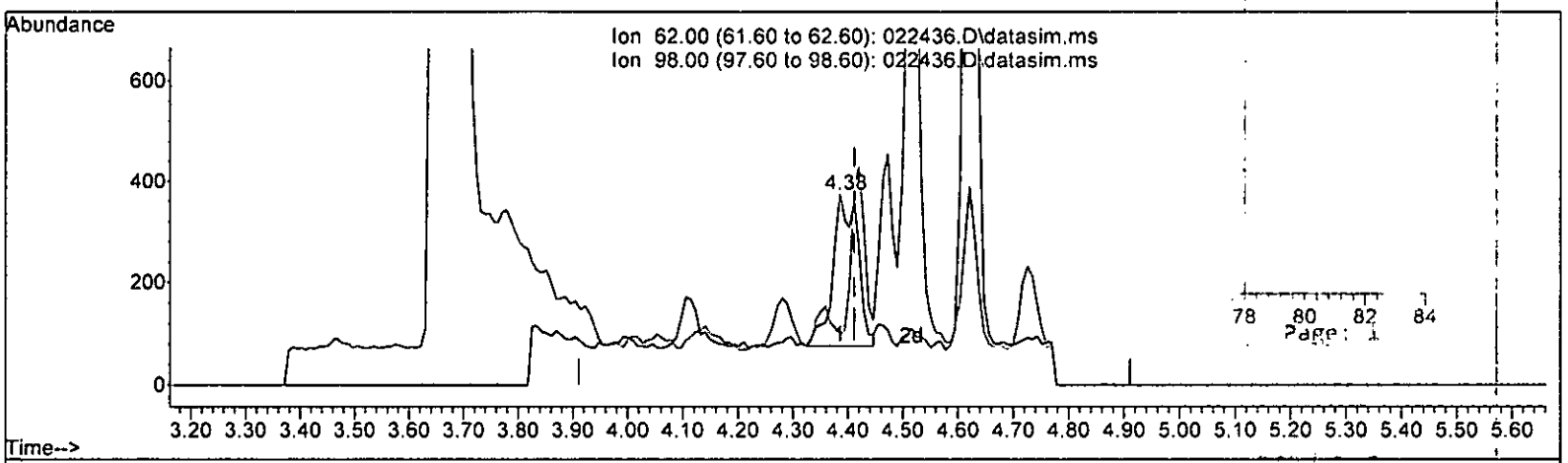
(24) 2-Butanone (MEK) (TMP)
3.729min (+ 0.031) 0.208 ppb
response 1035

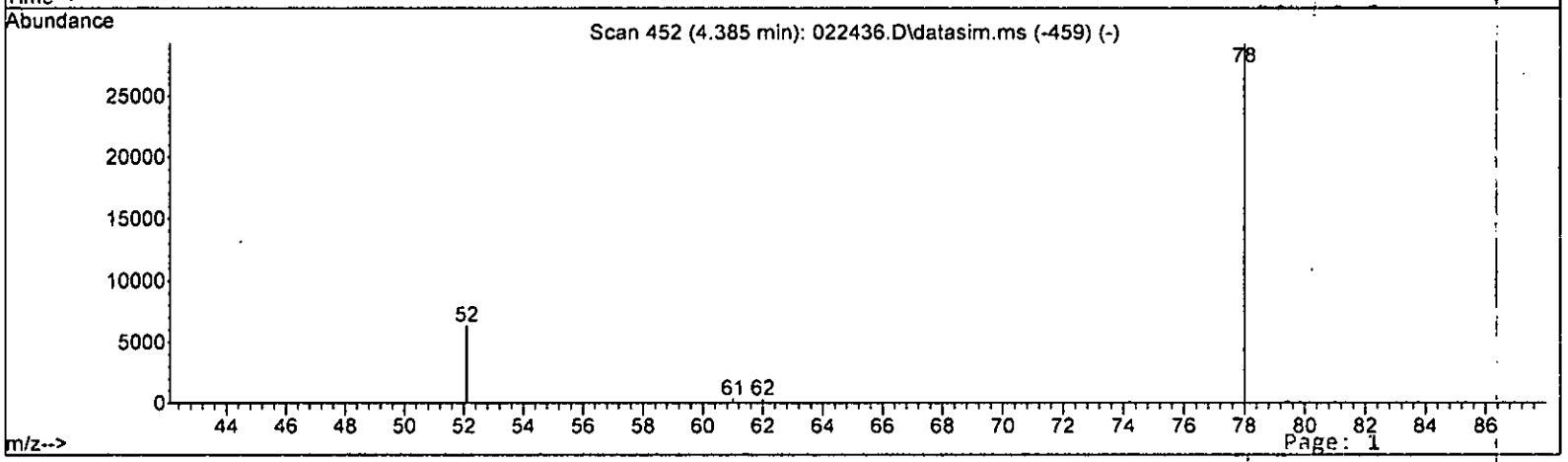
Ion	Exp%	Act%
43.00	100.00	100.00
72.00	17.80	0.00
57.00	6.30	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022436.D\data.ms

(26) 1,2-Dichloroethane (EDC) (TMP)

4.385min (-0.026) 0.087 ppb

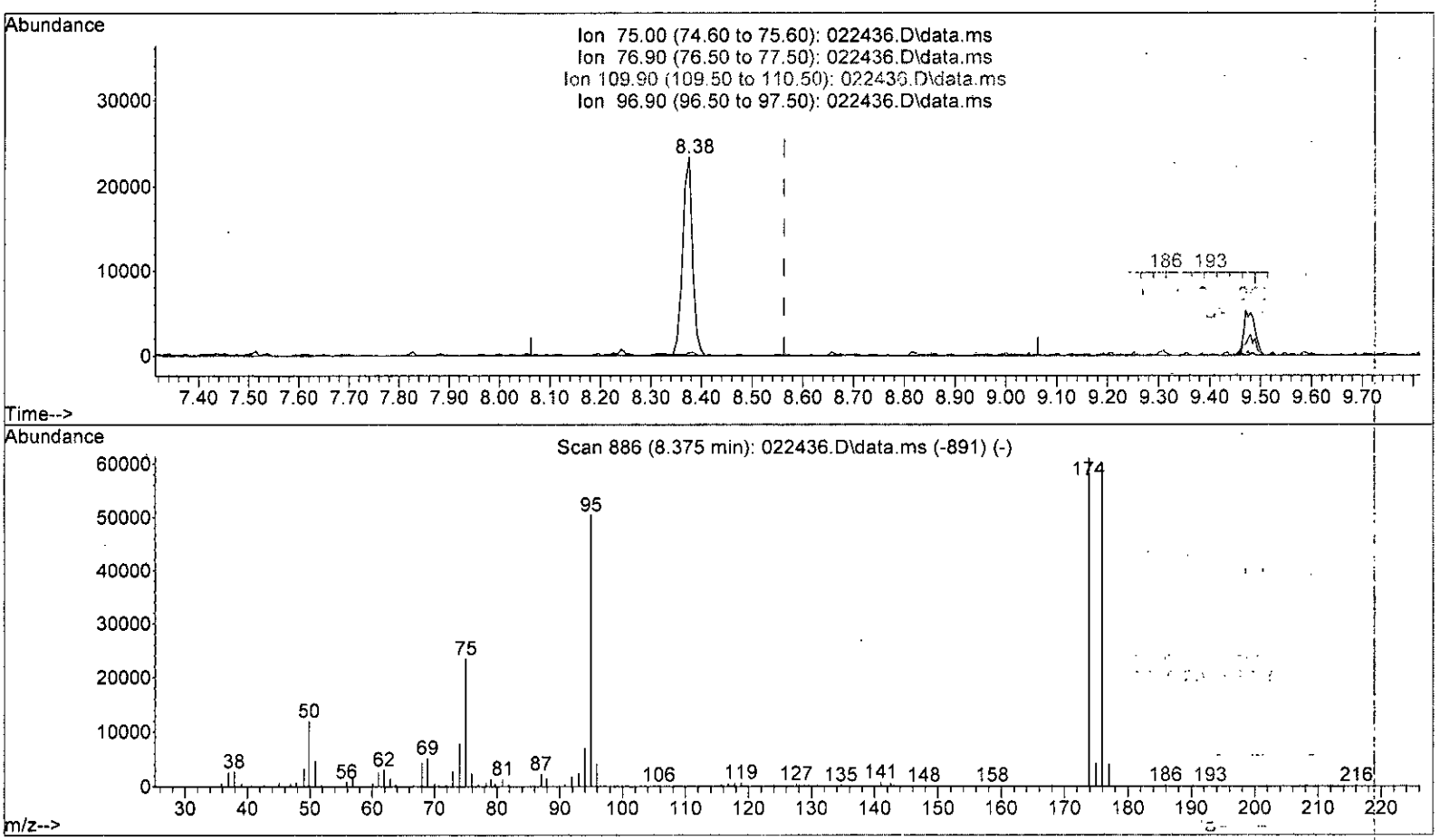
response 930

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	7.60	6.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022436.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.375min (-0.188) 6.211 ppb

response 31338

Ion	Exp%	Act%
75.00	100.00	100.00
76.90	26.30	0.94
109.90	38.70	0.00#
96.90	20.20	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

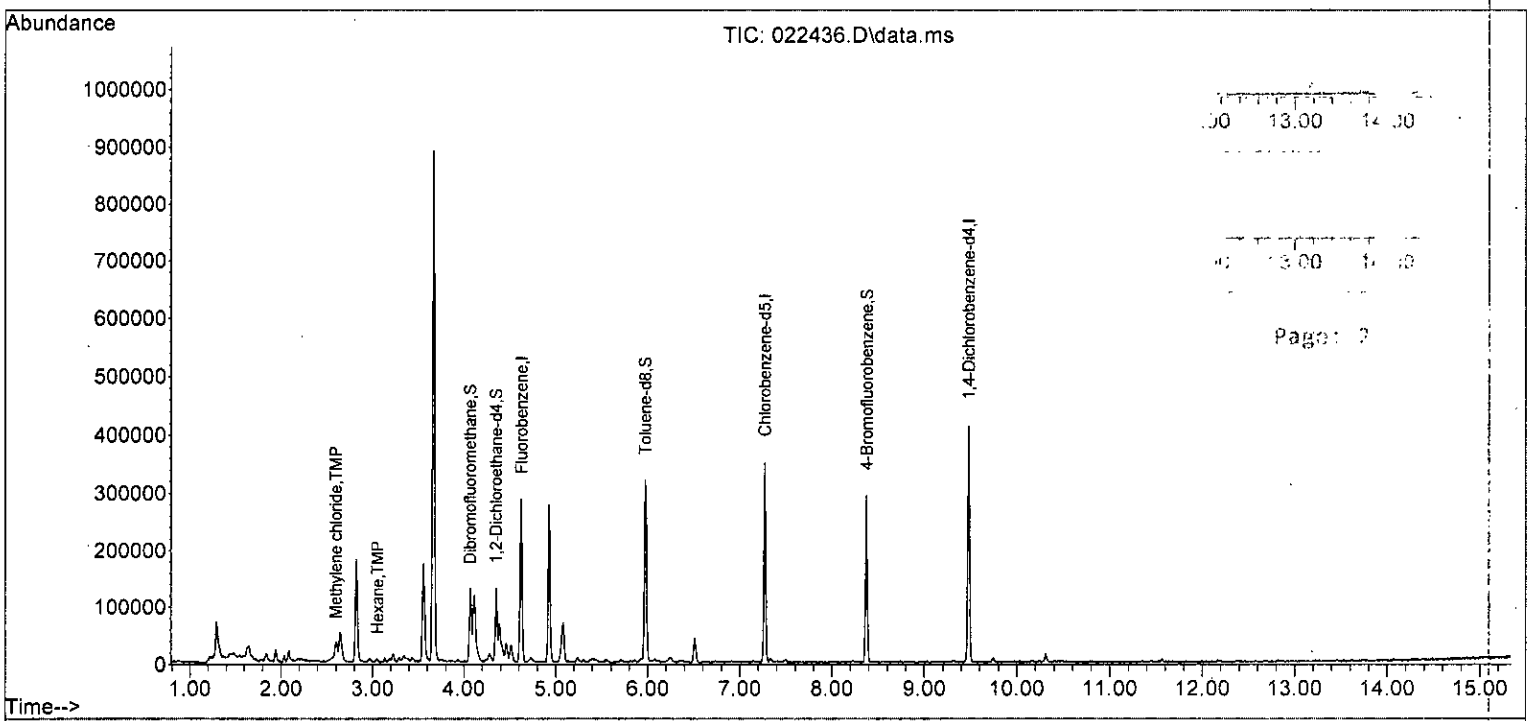
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	201986	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	165210	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	99210	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	58375	10.386	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%				
30) 1,2-Dichloroethane-d4	4.35	102	11398	9.126	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 91.30%				
35) Toluene-d8	5.97	98	191837	10.090	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.90%				
57) 4-Bromofluorobenzene	8.38	95	68502	9.531	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 95.30%				
Target Compounds							Qvalue
6] Vinyl chloride	1.29	62	81111	6.658	ppb		93
12] 1,1-Dichloroethene	2.19	96	968	0.162	ppb		86
13) Hexane	3.05	57	1839	0.217	ppb	#	47
14) Methylene chloride	2.60	84	3110	0.552	ppb	#	69
17] trans-1,2-Dichloroethene	2.82	96	52337	10.093	ppb		97
21) 2,2-Dichloropropane	3.72	77	279	Below Cal			53
22] cis-1,2-Dichloroethene	3.66	96	315466	54.165	ppb		91
31] Benzene	4.38	78	43089	2.035	ppb		98
32] Trichloroethene	4.93	95	71655	11.812	ppb		95
40] Toluene	6.03	92	696	0.049	ppb		96
45] Tetrachloroethene	6.51	164	9242	1.389	ppb		97
49] Ethylbenzene	7.40	91	1041	0.039	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.34	131	92	Below Cal		#	8
51] m,p-Xylene	7.51	106	200	Below Cal			97
61) 1,1,2,2-Tetrachloroethane	8.41	83	114	Below Cal		#	24

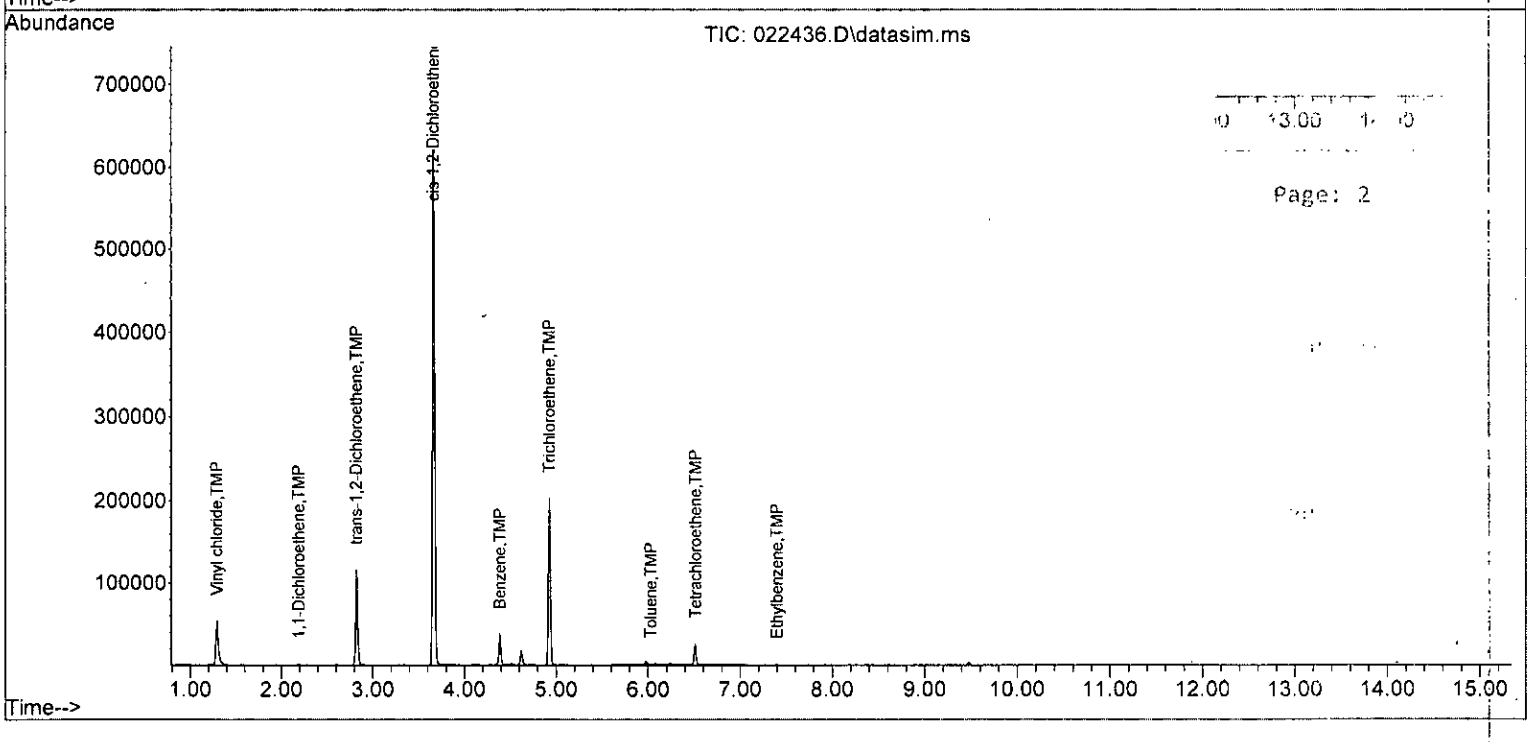
(#) = qualifier out of range (m) = manual integration (+) = signals summed

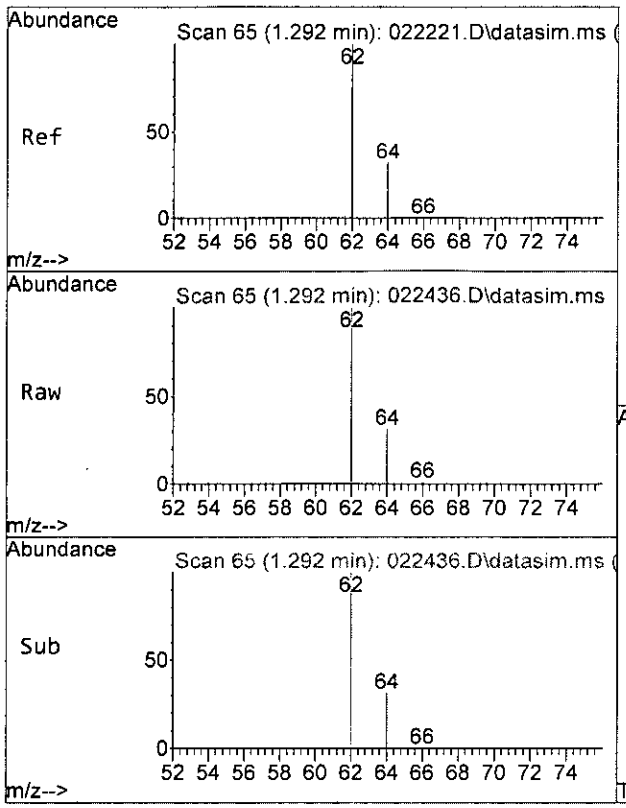
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



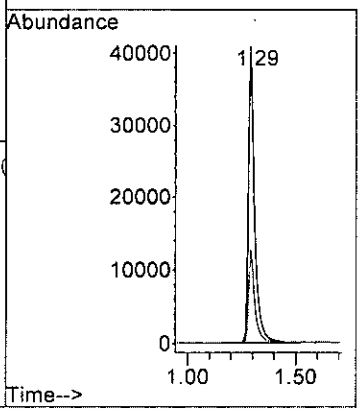


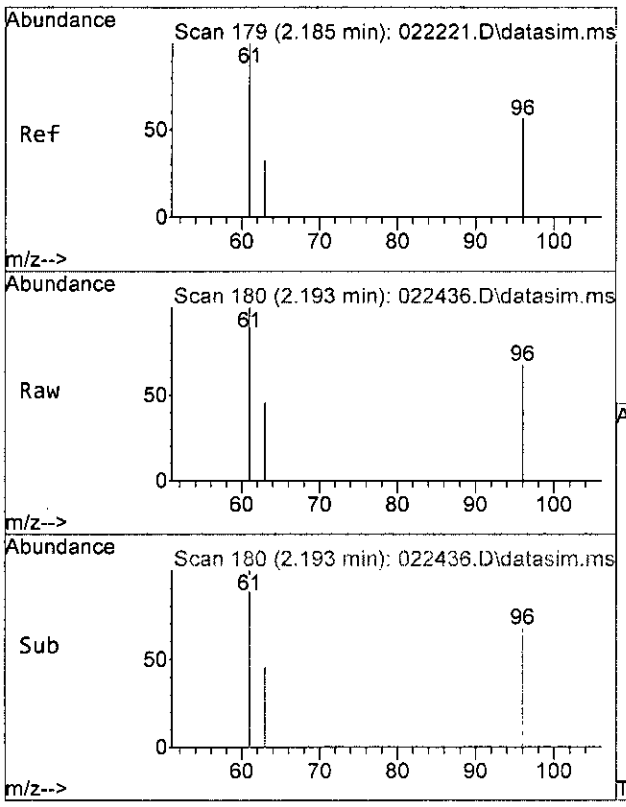


#6
Vinyl chloride
Concen: 6.658 ppb
RT: 1.29 min Scan# 65
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 62 Resp: 81111

Ion	Ratio	Lower	Upper
62	100		
64	30.6	0.0	56.9

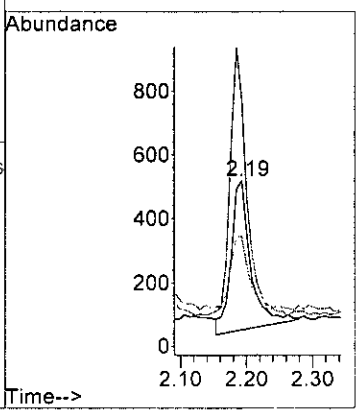


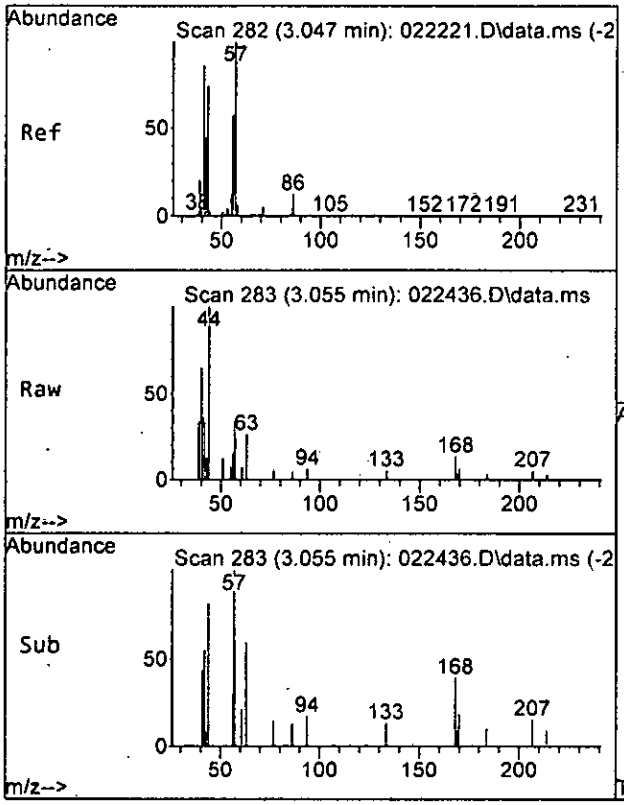


#12
1,1-Dichloroethene
Concen: 0.162 ppb
RT: 2.19 min Scan# 180
Delta R.T. 0.008 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 96 Resp: 968

Ion	Ratio	Lower	Upper
96	100		
61	152.9	145.6	205.6
63	51.0	27.4	87.4

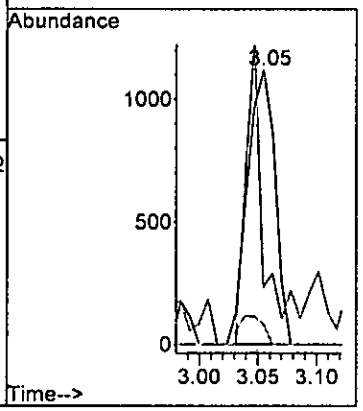


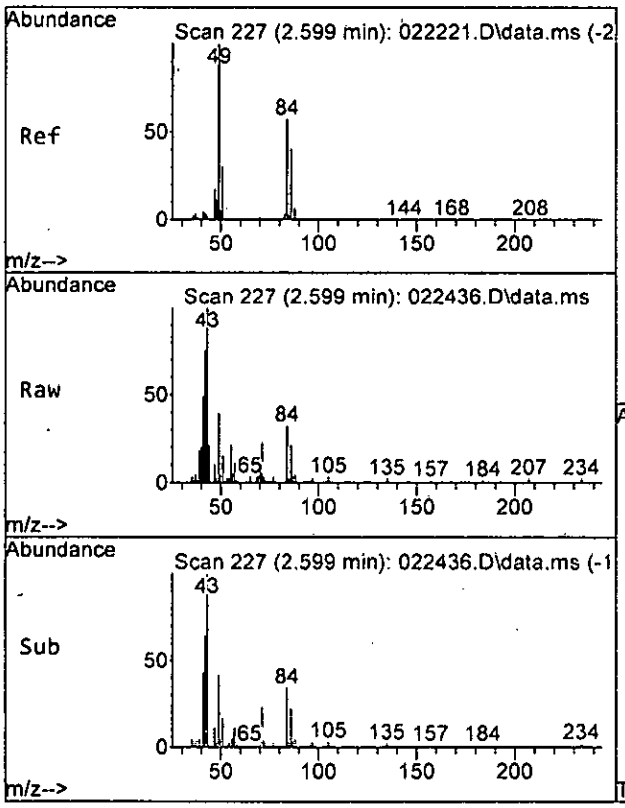


#13
Hexane
Concen: 0.217 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.008 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 57 Resp: 1839

Ion	Ratio	Lower	Upper
57	100		
43	21.0	40.6	100.6#
86	7.5	0.0	41.4

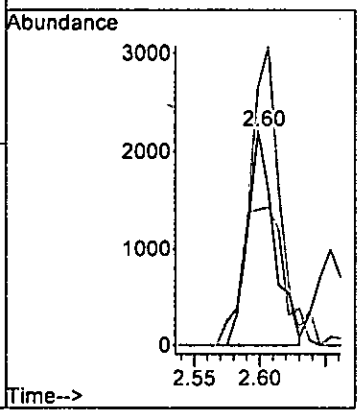


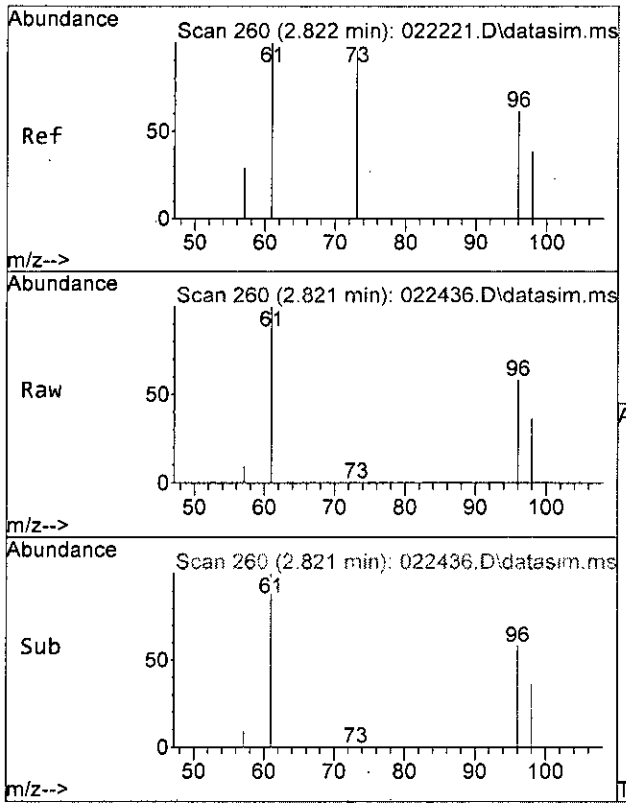


#14
Methylene chloride
Concen: 0.552 ppb
RT: 2.60 min Scan# 227
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 84 Resp: 3110

Ion	Ratio	Lower	Upper
84	100		
86	63.6	40.3	100.3
49	120.3	147.3	207.3#

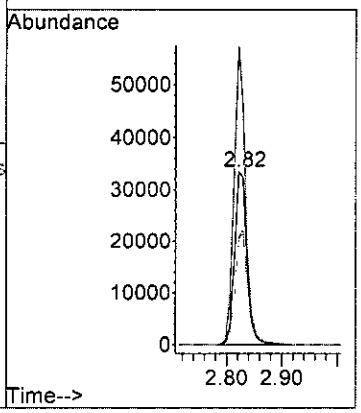


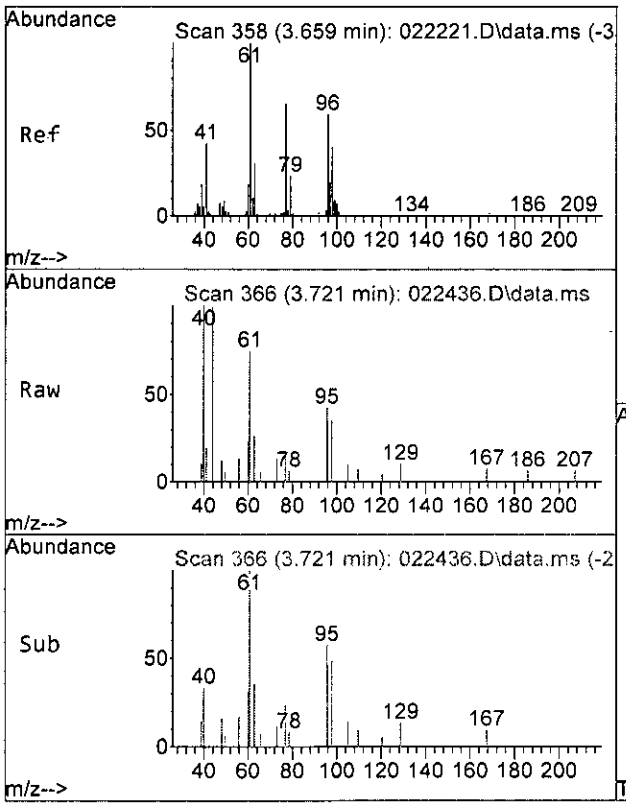


#17
trans-1,2-Dichloroethene
Concen: 10.093 ppb
RT: 2.82 min Scan# 260
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 96 Resp: 52337

Ion	Ratio	Lower	Upper
96	100		
61	171.1	135.7	195.7
98	61.5	32.4	92.4

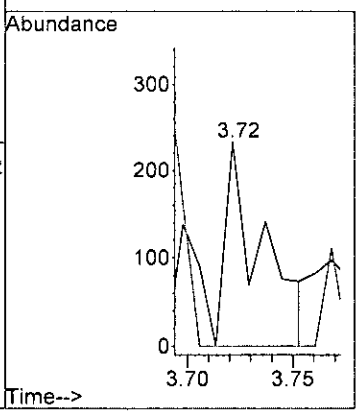


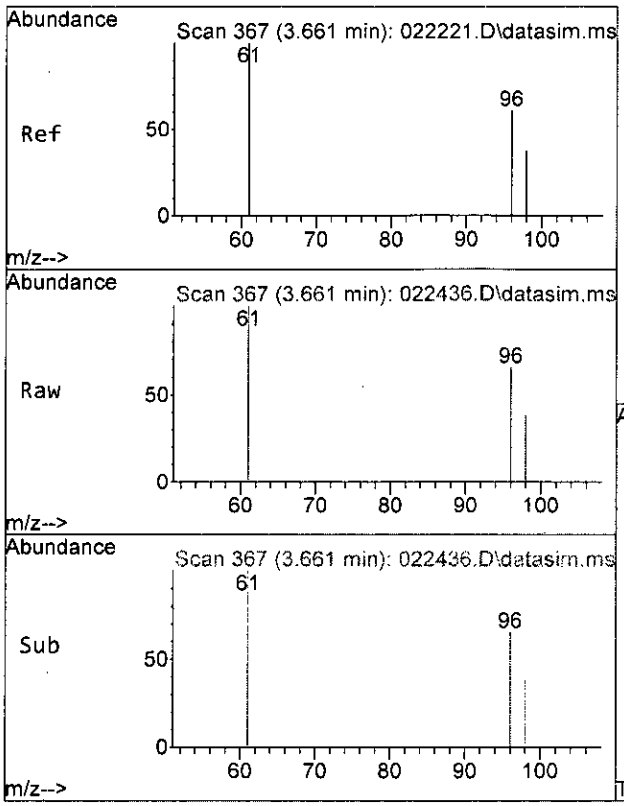


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.72 min Scan# 366
Delta R.T. 0.063 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 77 Resp: 279

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

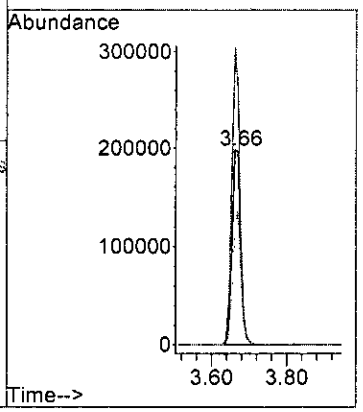


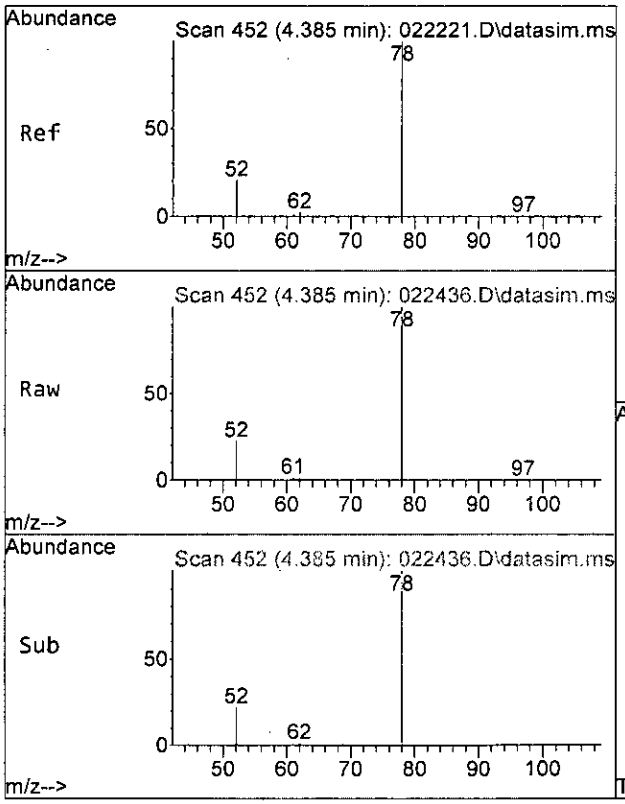


#22
cis-1,2-Dichloroethene
Concen: 54.165 ppb
RT: 3.66 min Scan# 367
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 96 Resp: 315466

Ion	Ratio	Lower	Upper
96	100		
61	154.3	139.8	199.8
98	59.2	30.7	90.7

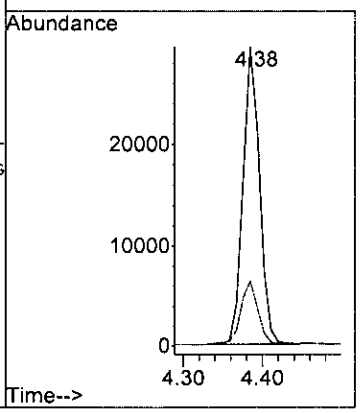


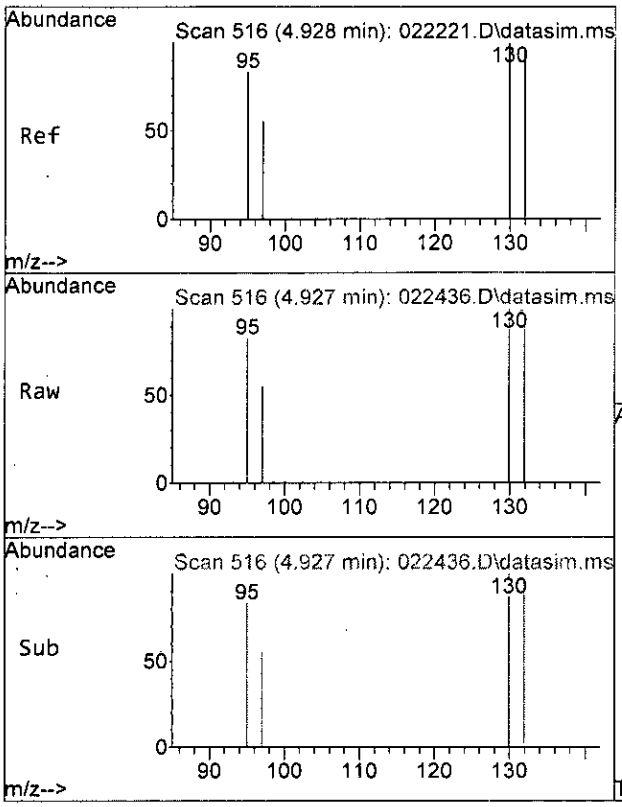


#31
Benzene
Concen: 2.035 ppb
RT: 4.38 min Scan# 452
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 78 Resp: 43089

Ion	Ratio	Lower	Upper
78	100		
52	21.4	0.0	50.6

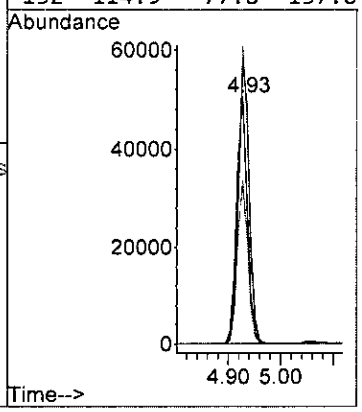


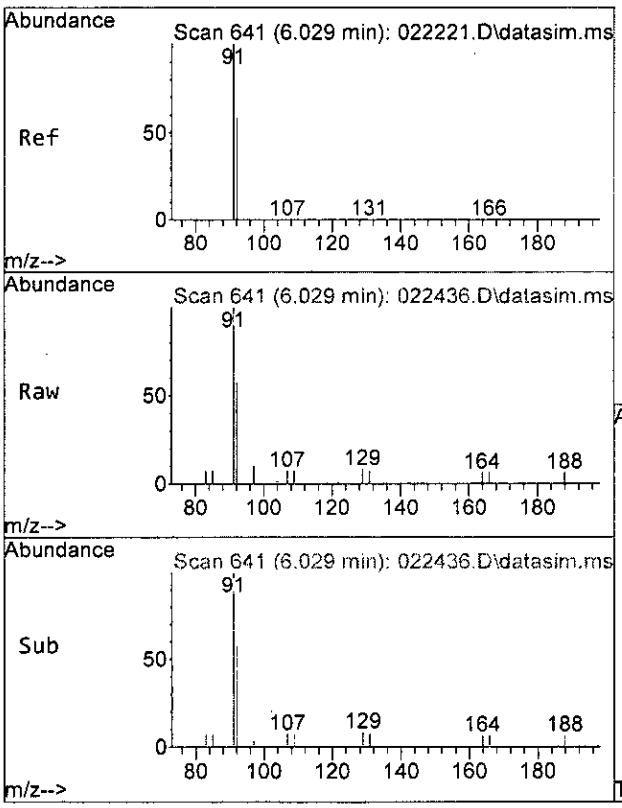


#32
Trichloroethene
Concen: 11.812 ppb
RT: 4.93 min Scan# 516
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 95 Resp: 71655

Ion	Ratio	Lower	Upper
95	100		
97	66.4	36.5	96.5
130	120.6	83.1	143.1
132	114.9	77.8	137.8

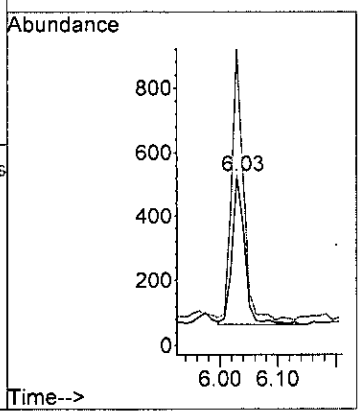


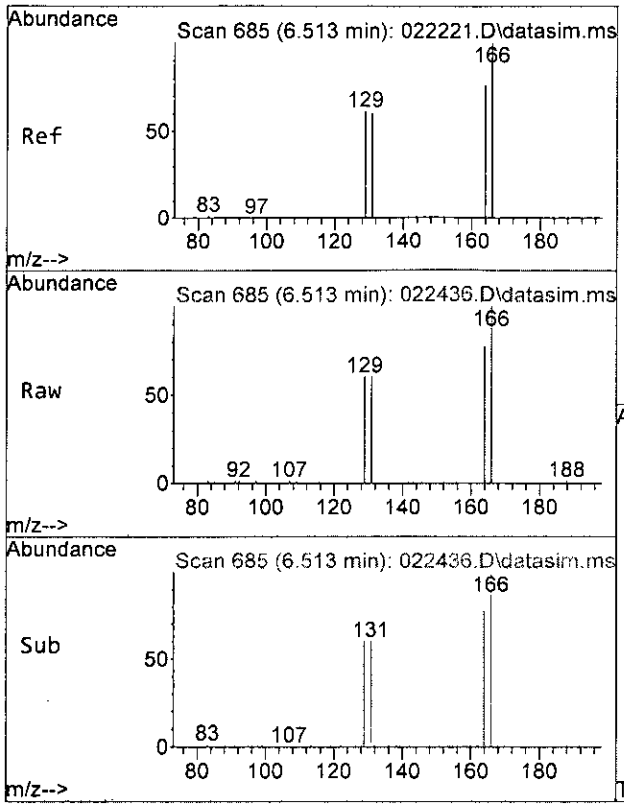


#40
Toluene
Concen: 0.049 ppb
RT: 6.03 min Scan# 641
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 92 Resp: 696

Ion	Ratio	Lower	Upper
92	100		
91	180.2	144.6	204.6

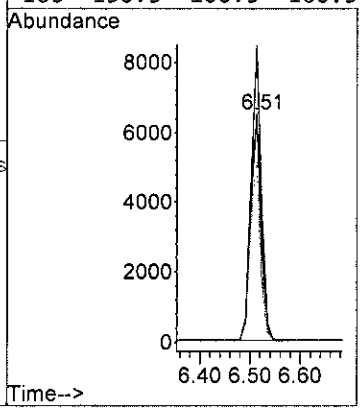


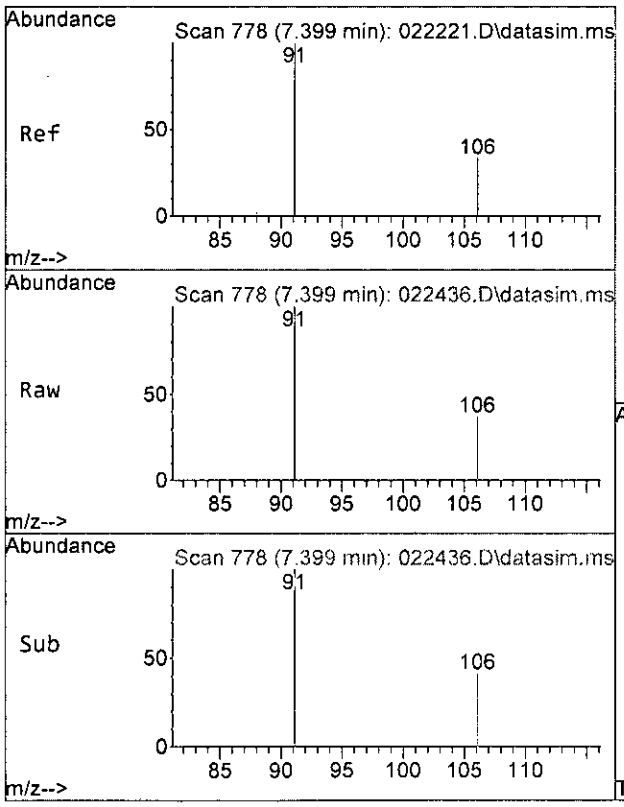


#45
Tetrachloroethene
Concen: 1.389 ppb
RT: 6.51 min Scan# 685
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion:164 Resp: 9242

Ion	Ratio	Lower	Upper
164	100		
129	78.0	52.8	112.8
131	78.0	52.4	112.4
166	130.3	100.5	160.5

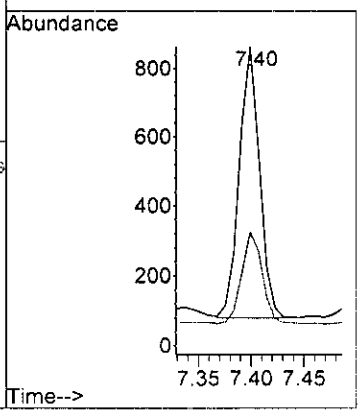




#49
Ethylbenzene
Concen: 0.039 ppb
RT: 7.40 min Scan# 778
Delta R.T. -0.000 min
Lab File: 022436.D
Acq: 24 Feb 2023 06:56 pm

Tgt Ion: 91 Resp: 1041

Ion	Ratio	Lower	Upper
91	100		
106	33.0	1.4	61.4



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	201986	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	165210	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	99210	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	58375	10.386	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%				
30) 1,2-Dichloroethane-d4	4.35	102	11398	9.126	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 91.30%				
35) Toluene-d8	5.97	98	191837	10.090	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.90%				
57) 4-Bromofluorobenzene	8.38	95	68502	9.531	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 95.30%				
Target Compounds							Qvalue
2) Ethanol	1.90	45	245	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.20	50	236	N.D.			
6] Vinyl chloride	1.29	62	81111	6.658	ppb		93
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	1.60	64	461	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	2.40	45	1072	No Calib			
11) Acetone	2.27	58	152	N.D.			
12] 1,1-Dichloroethene	2.19	96	968	0.162	ppb		86
13) Hexane	3.05	57	1839	0.217	ppb	#	47
14) Methylene chloride	2.60	84	3110	0.552	ppb	#	69
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.82	96	52337	10.093	ppb		97
18) Diisopropyl ether (DIPE)	3.30	45	267	N.D.			
19) 1,1-Dichloroethane	3.22	63	88	N.D.			
20) Ethyl t-butyl ether (E...	3.60	87	149	N.D.			
21) 2,2-Dichloropropane	3.72	77	279	Below Cal			53
22] cis-1,2-Dichloroethene	3.66	96	315466	54.165	ppb		91
23) Chloroform	3.92	83	327	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	4.39	73	879	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	4.21	75	93	N.D.			
29) Carbon tetrachloride	4.24	117	59	N.D.			
31] Benzene	4.38	78	43089	2.035	ppb		98
32] Trichloroethene	4.93	95	71655	11.812	ppb		95
33) 1,2-Dichloropropane	5.11	63	267	N.D.			
34) Bromodichloromethane	5.31	83	168	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

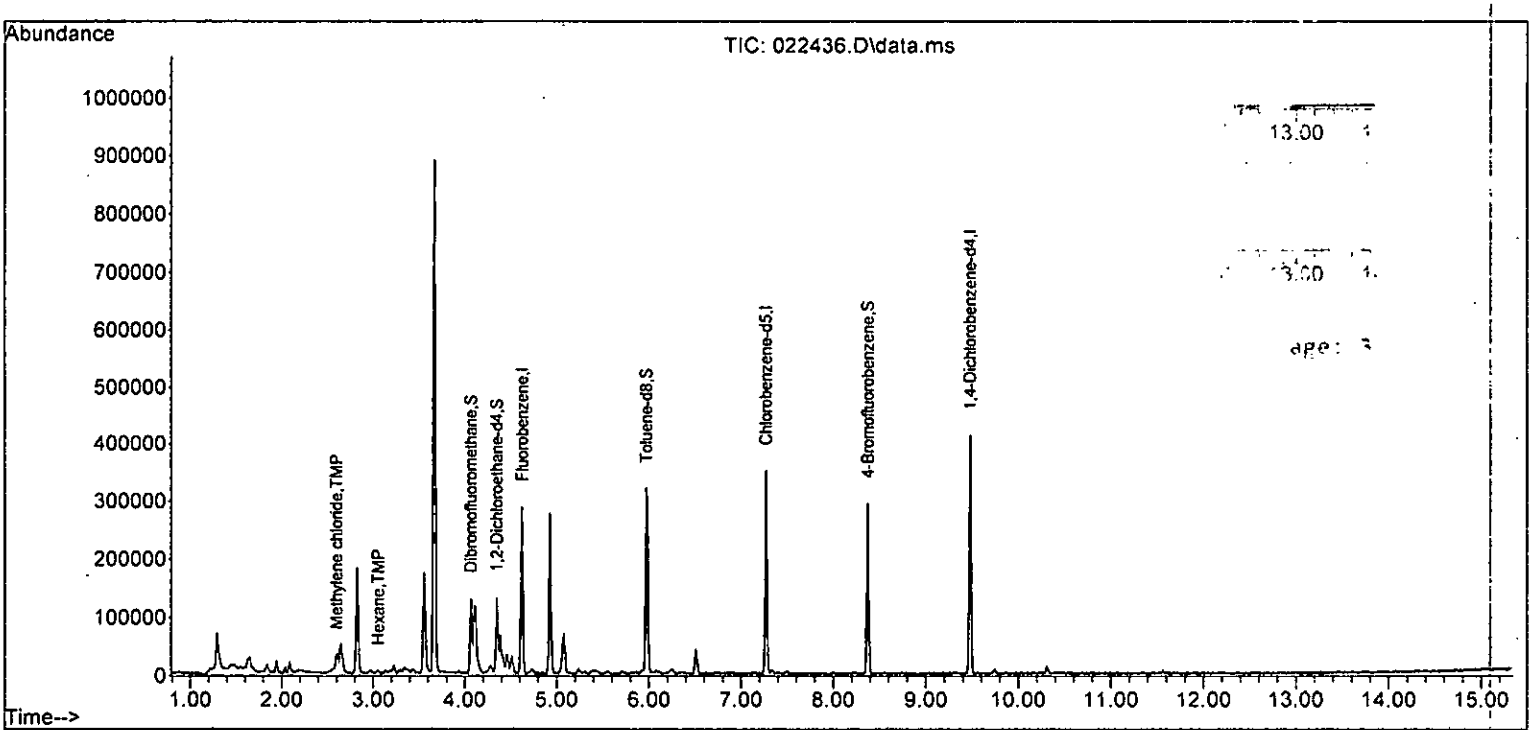
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.98	85	77	N.D.		
38) cis-1,3-Dichloropropene	5.80	75	87	N.D.		
40] Toluene	6.03	92	696	0.049	ppb	96
41) trans-1,3-Dichloropropene	6.38	75	58	N.D.		
42) 1,1,2-Trichloroethane	6.35	83	82	N.D.		
43) 2-Hexanone	6.63	43	152	N.D.		
44) 1,3-Dichloropropane	6.49	76	117	N.D.		
45] Tetrachloroethene	6.51	164	9242	1.389	ppb	97
46) Dibromochloromethane	6.85	129	100	N.D.		
47) 1,2-Dibromoethane (EDB)	6.85	107	59	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.40	91	1041	0.039	ppb	97
50) 1,1,1,2-Tetrachloroethane	7.34	131	92	Below Cal	#	8
51] m,p-Xylene	7.51	106	200	Below Cal		97
52) o-Xylene	7.88	106	66	N.D.		
53) Styrene	7.89	104	310	N.D.		
54) Isopropylbenzene	8.23	105	1255	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.63	91	462	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.99	105	460	N.D.		
61) 1,1,2,2-Tetrachloroethane	8.41	83	114	Below Cal	#	24
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	8.69	91	413	N.D.		
64) 4-Chlorotoluene	8.79	91	185	N.D.		
65) tert-Butylbenzene	9.11	119	377	N.D.		
66) 1,2,4-Trimethylbenzene	9.15	105	240	N.D.		
67) sec-Butylbenzene	9.20	105	89	N.D.		
68) p-Isopropyltoluene	9.47	119	371	N.D.		
69) 1,3-Dichlorobenzene	9.42	146	92	N.D.		
70) 1,4-Dichlorobenzene	9.50	146	87	N.D.		
71) 1,2-Dichlorobenzene	9.85	146	120	N.D.		
72) 1,2-Dibromo-3-chloropr...	10.64	75	51	N.D.		
73) 1,2,4-Trichlorobenzene	11.44	180	355	N.D.		
74) Hexachlorobutadiene	11.60	225	92	N.D.		
75) Naphthalene	11.42	128	72	N.D.		
76) 1,2,3-Trichlorobenzene	11.93	180	266	N.D.		

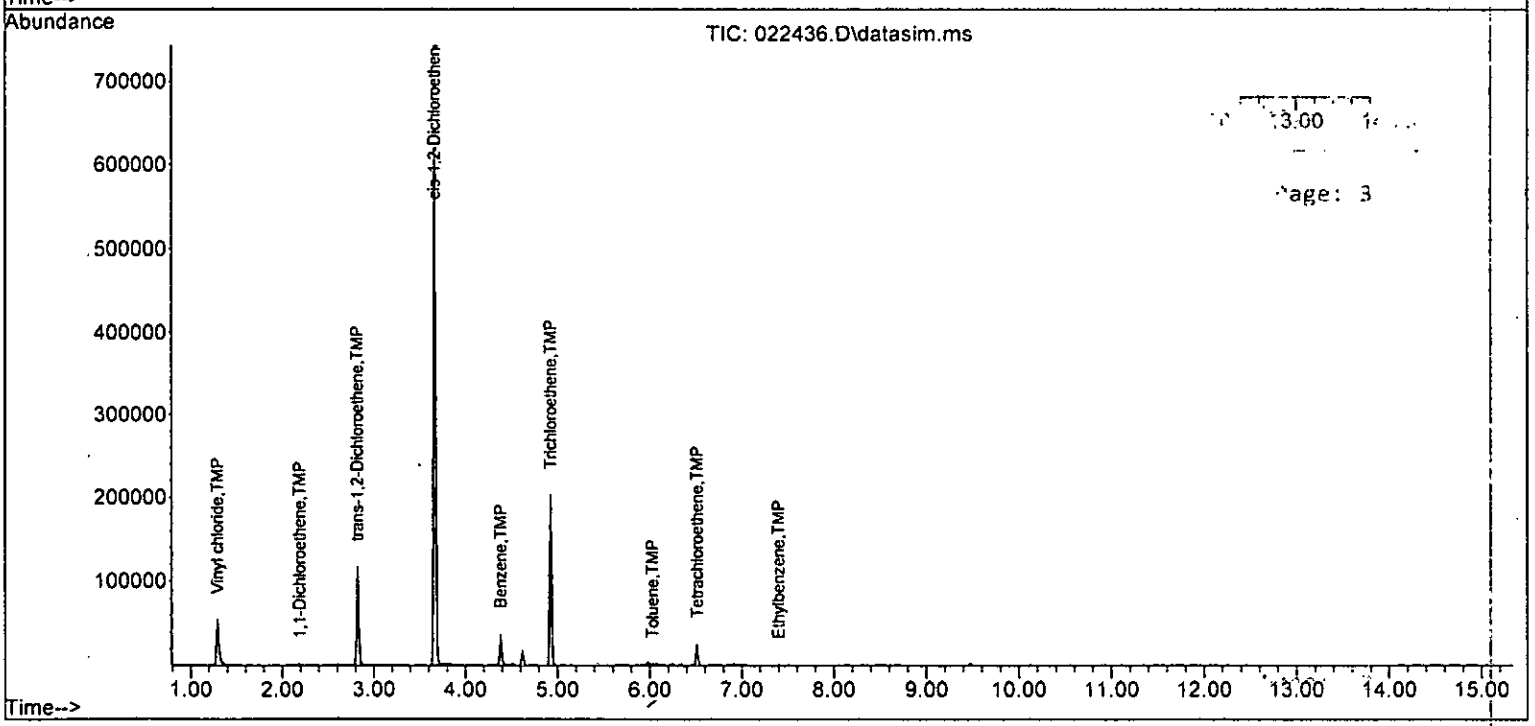
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022436.D
Acq On : 24 Feb 2023 06:56 pm
Operator : LM
Sample : 302300-03 1/10
Misc : water
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:50 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

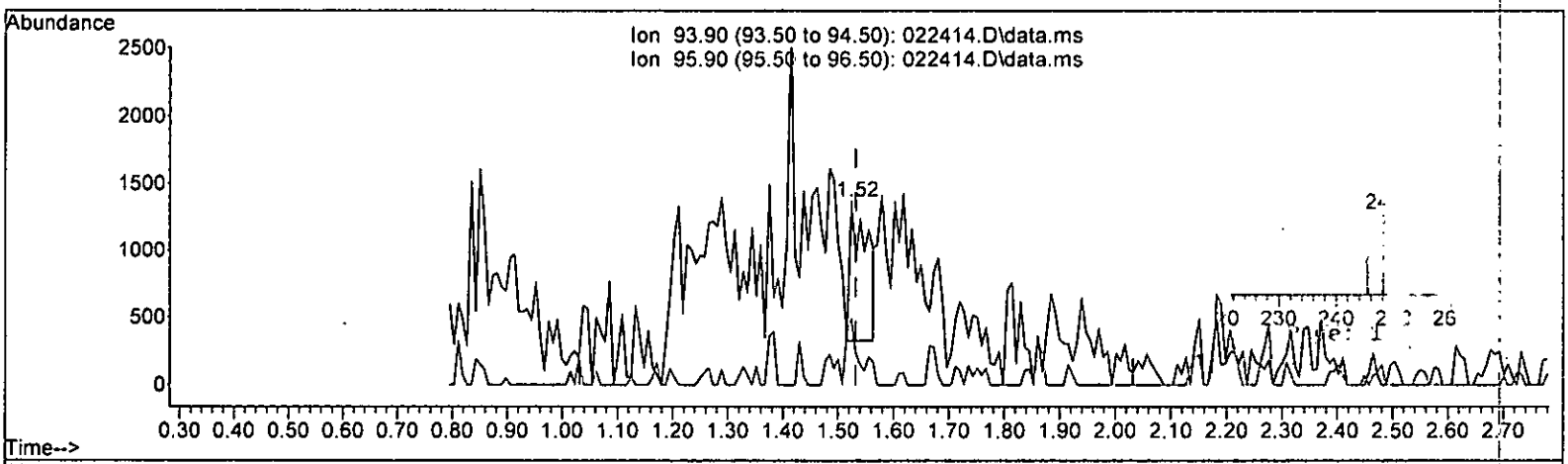


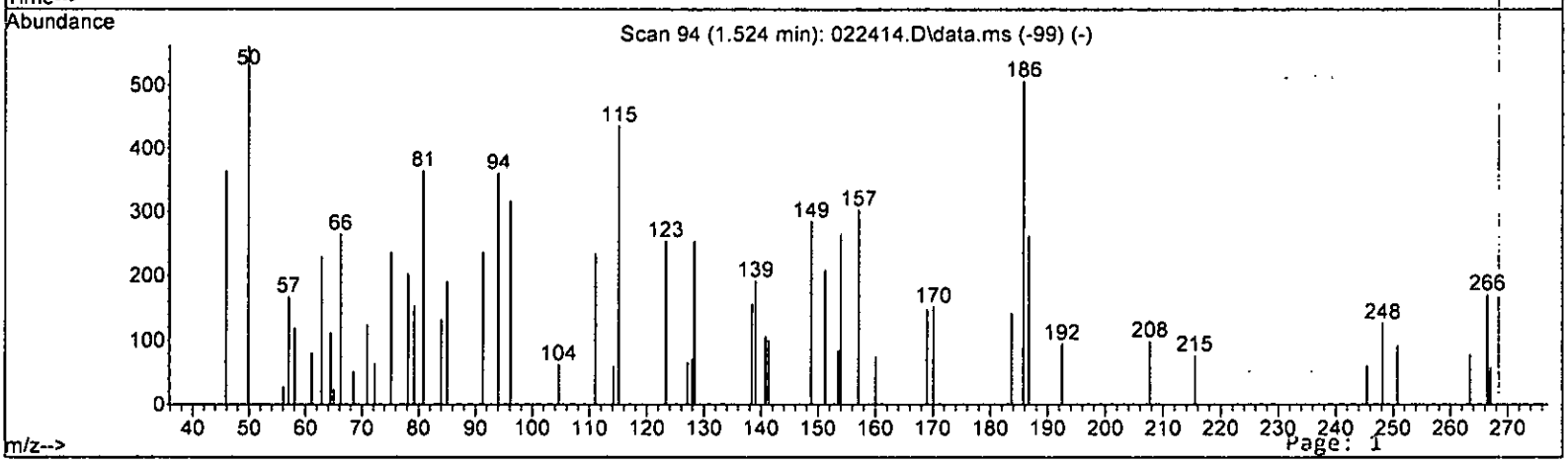


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

(7) Bromomethane (TMP)

1.524min (-0.008) 0.236 ppb

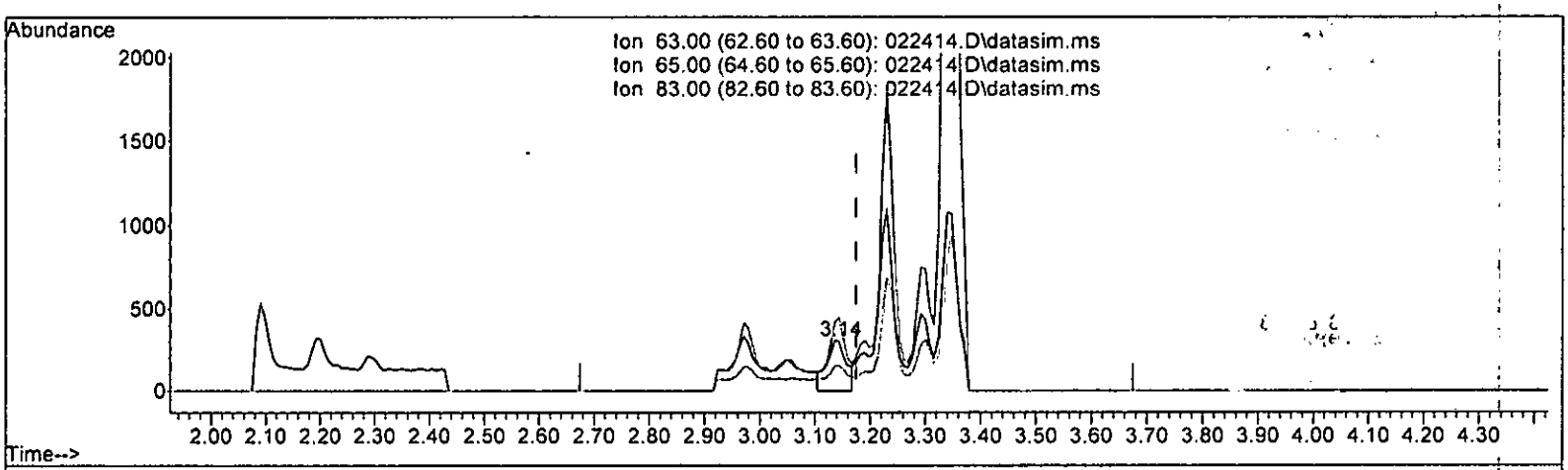
response 2214

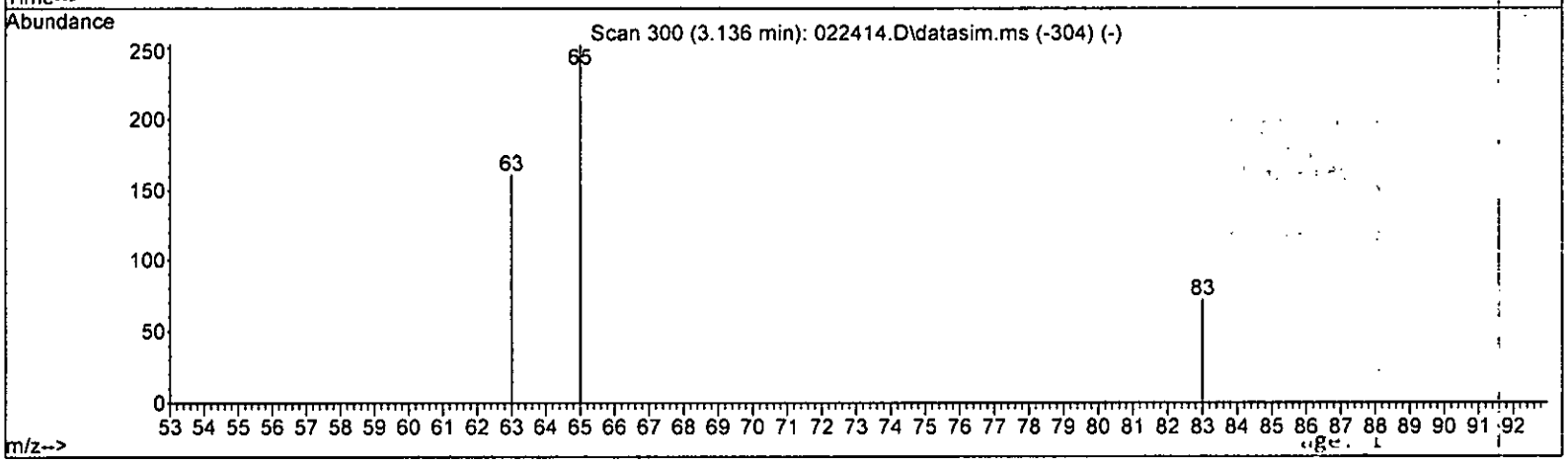
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	30.21#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

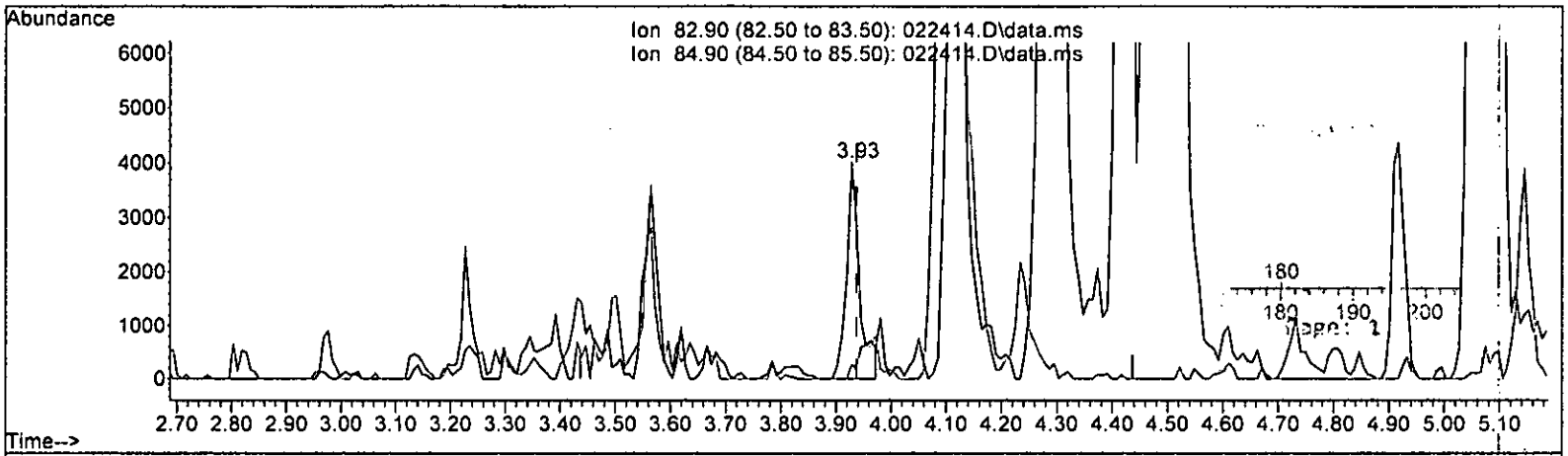
(19) 1,1-Dichloroethane (TMP)
3.136min (-0.039) 0.055 ppb
response 754

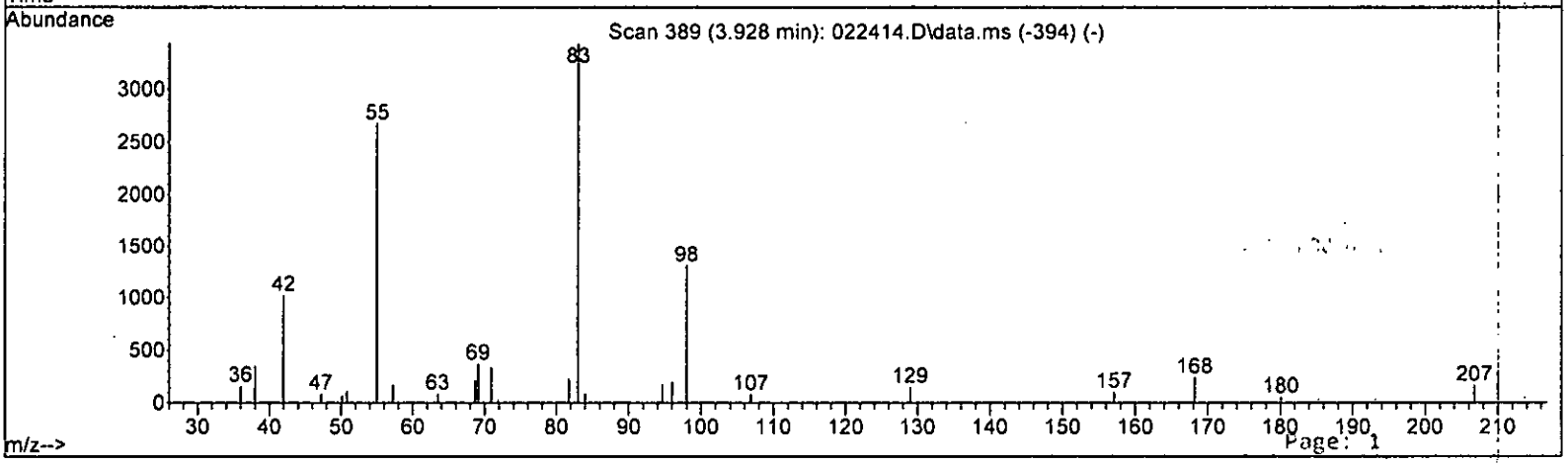
Ion	Exp%	Act%
63.00	100.00	100.00
65.00	29.40	155.67#
83.00	10.50	42.78#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

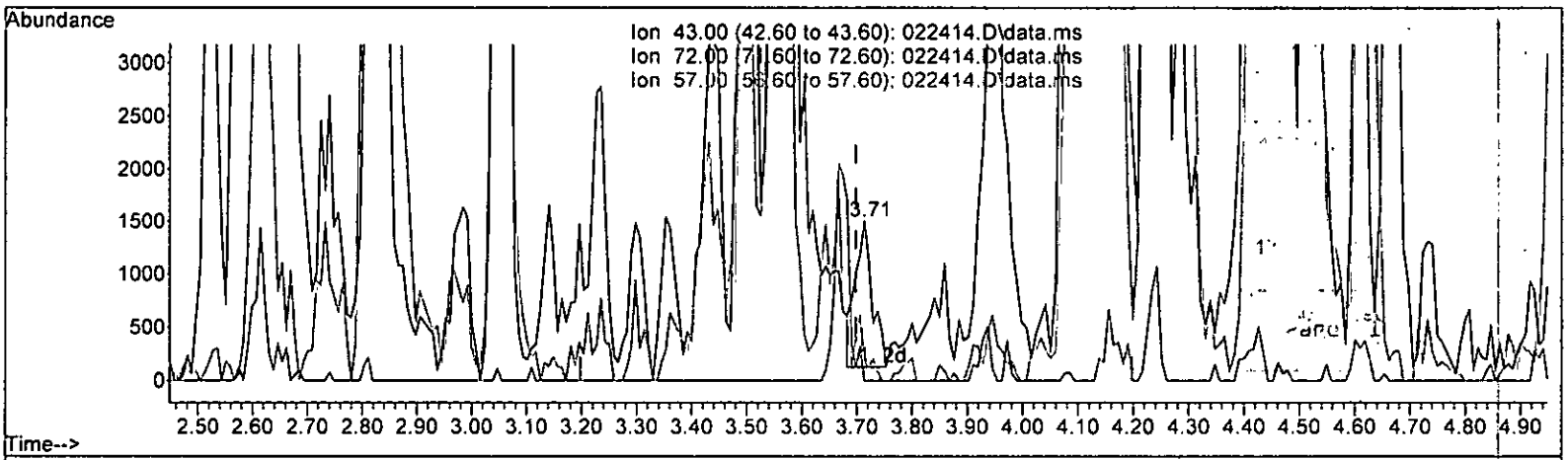
(23) Chloroform (TMP)
3.928min (-0.009) 0.538 ppb
response 6669

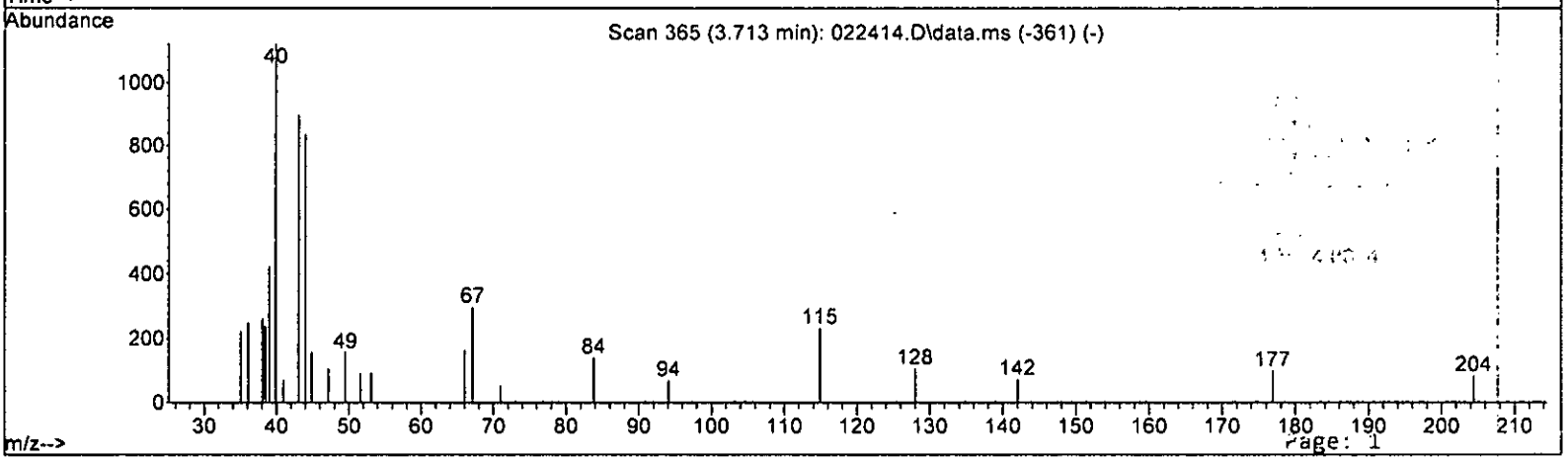
Ion	Exp%	Act%
82.90	100.00	100.00
84.90	63.40	6.52#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





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TIC: 022414.D\data.ms

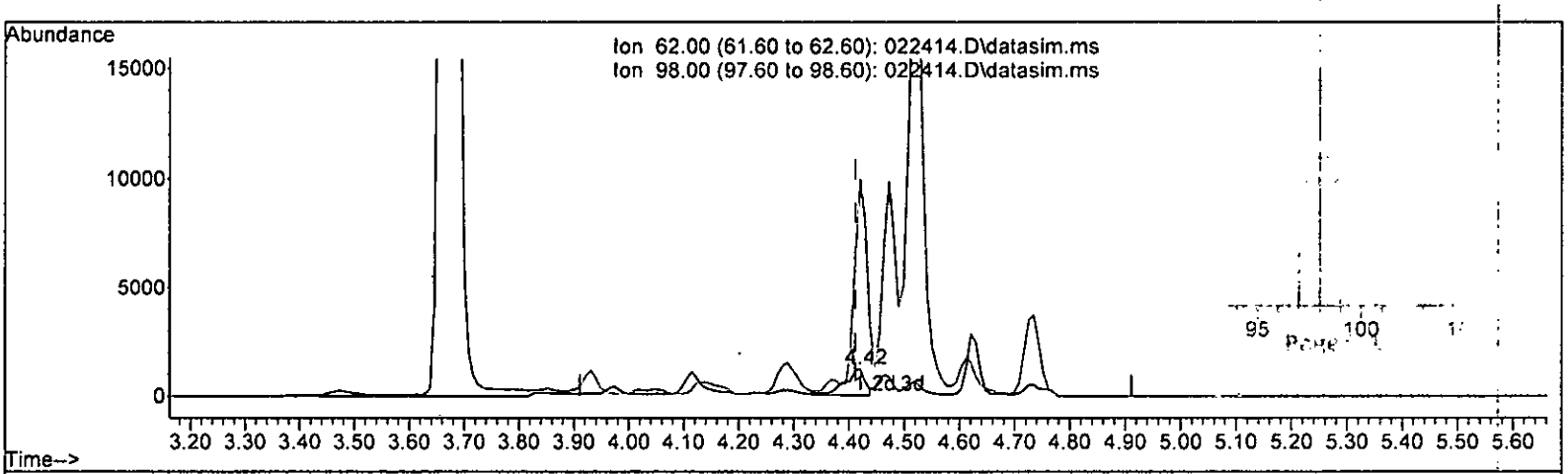
(24) 2-Butanone (MEK) (TMP)
3.713min (+ 0.016) 0.452 ppb
response 2916

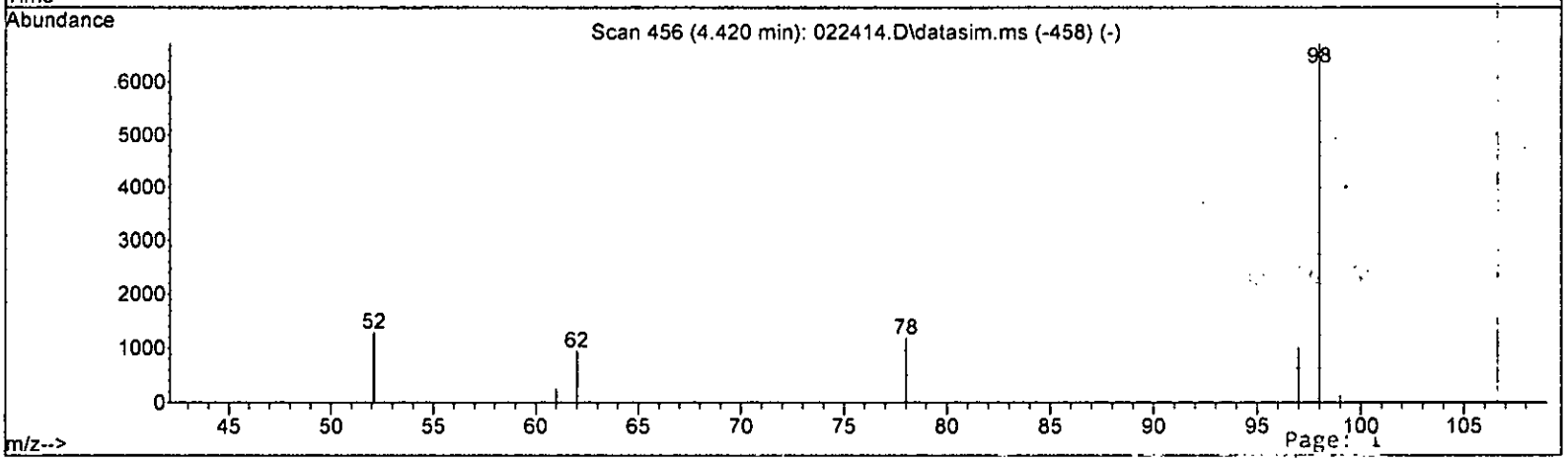
Ion	Exp%	Act%
43.00	100.00	100.00
72.00	17.80	0.00
57.00	6.30	12.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

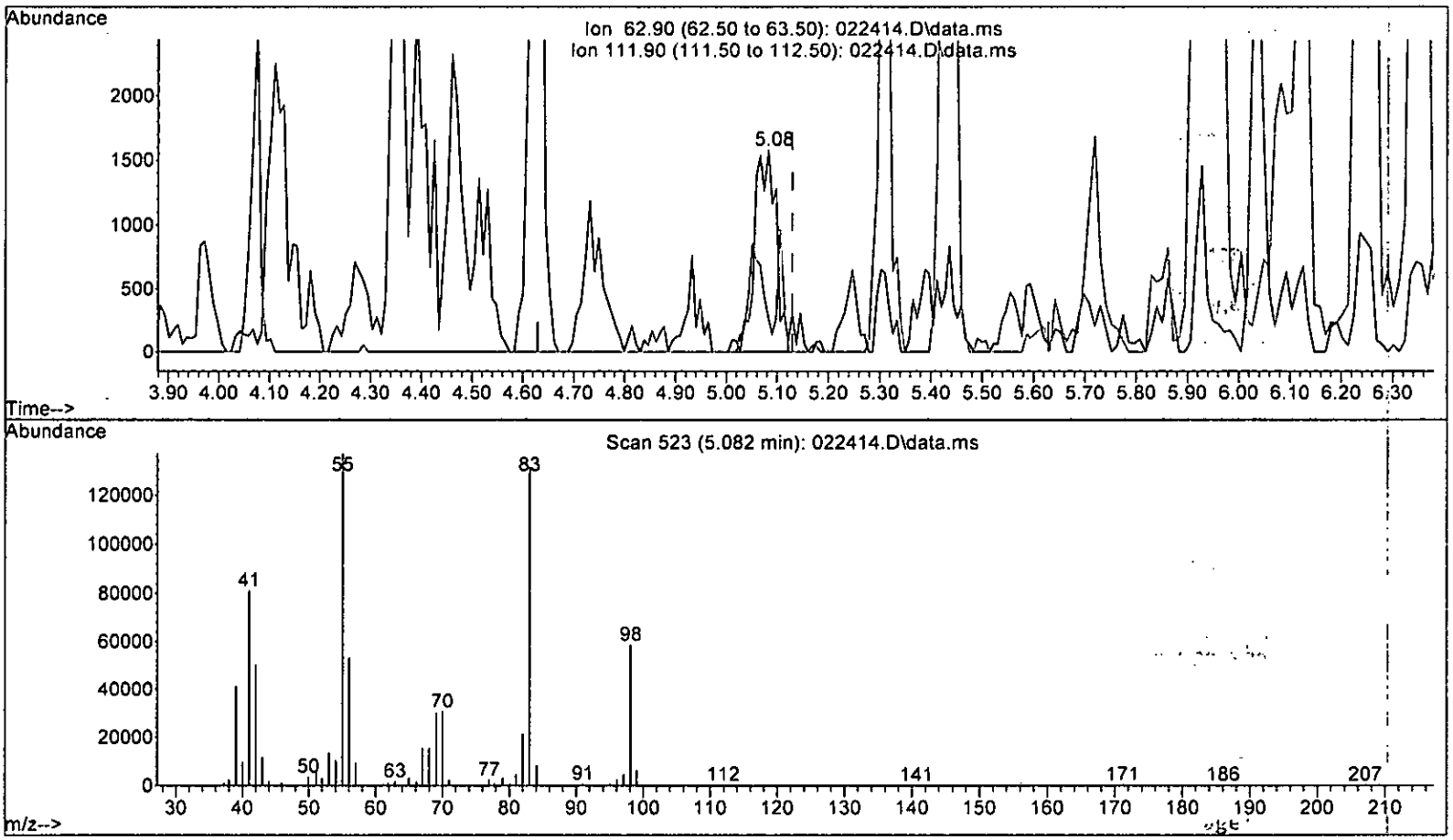
(26) 1,2-Dichloroethane (EDC) (TMP)
4.420min (+ 0.009) 0.251 ppb
response 2988

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	7.60	857.53#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022414.D\data.ms

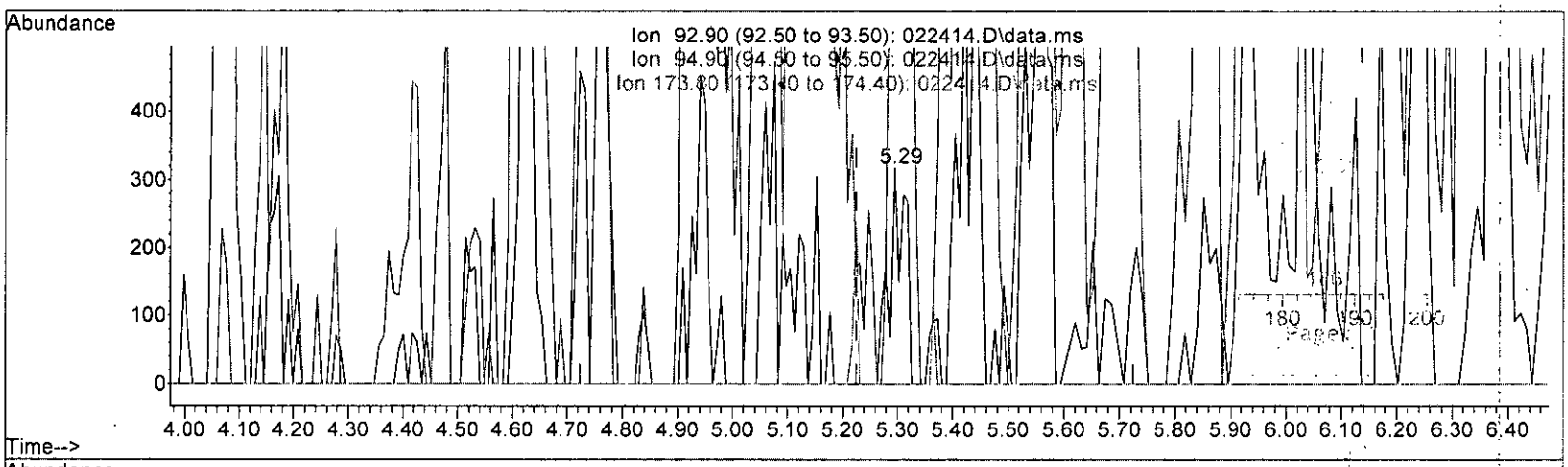
(33) 1,2-Dichloropropane (TMP)
5.082min (-0.047) 0.607 ppb
response 4693

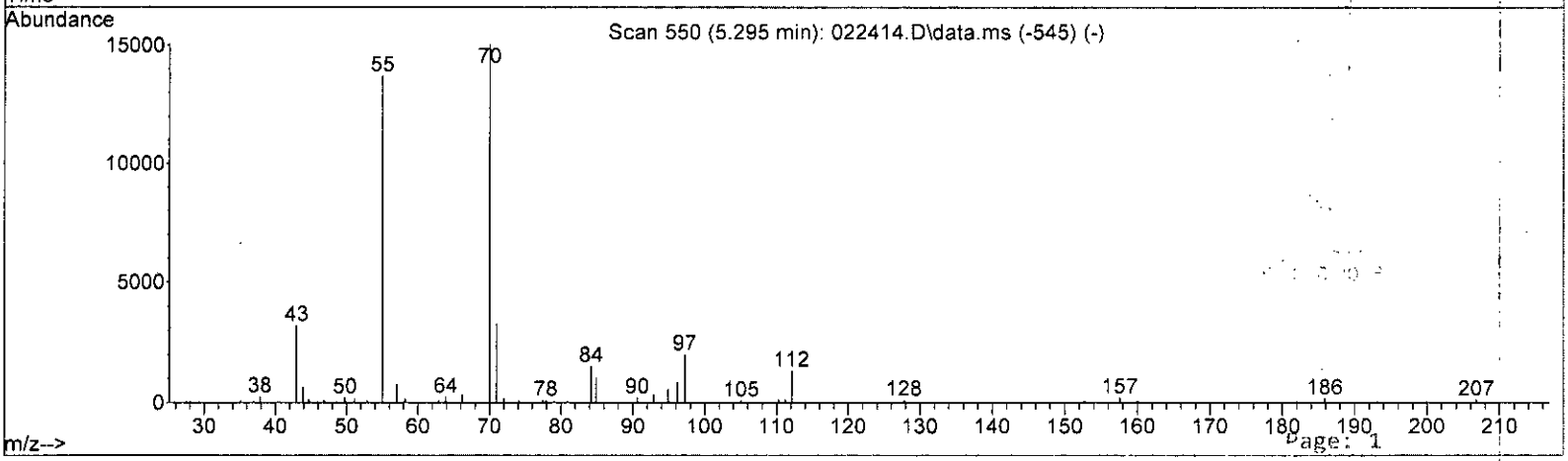
Ion	Exp%	Act%
62.90	100.00	100.00
111.90	3.30	16.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

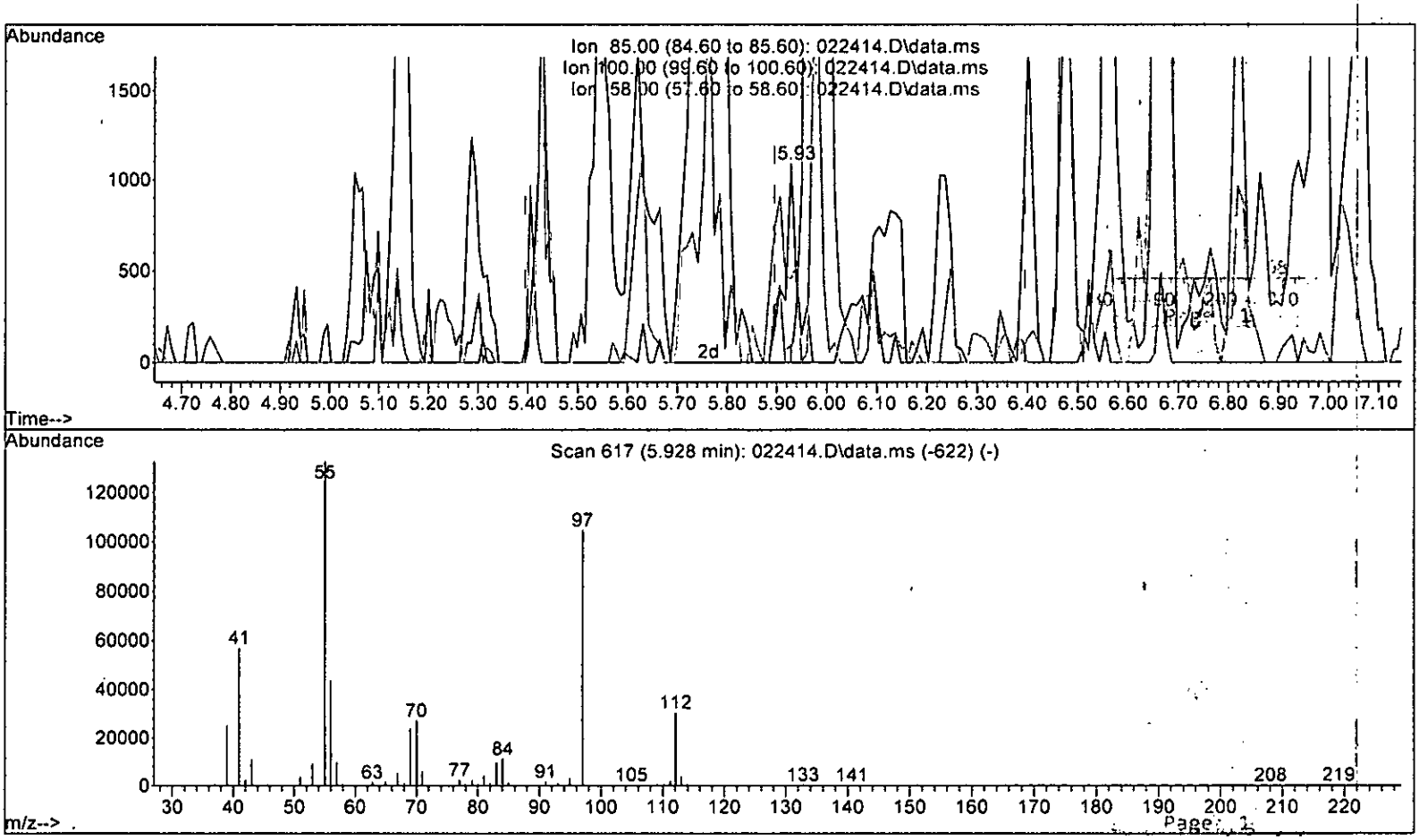
(36) Dibromomethane (TMP)
5.295min (+ 0.071) 0.139 ppb
response 640

Ion	Exp%	Act%
92.90	100.00	100.00
94.90	83.10	167.51#
173.80	125.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022414.D\data.ms

(37) 4-Methyl-2-pentanone (TMP)

5.928min (+ 0.033) 1.507 ppb

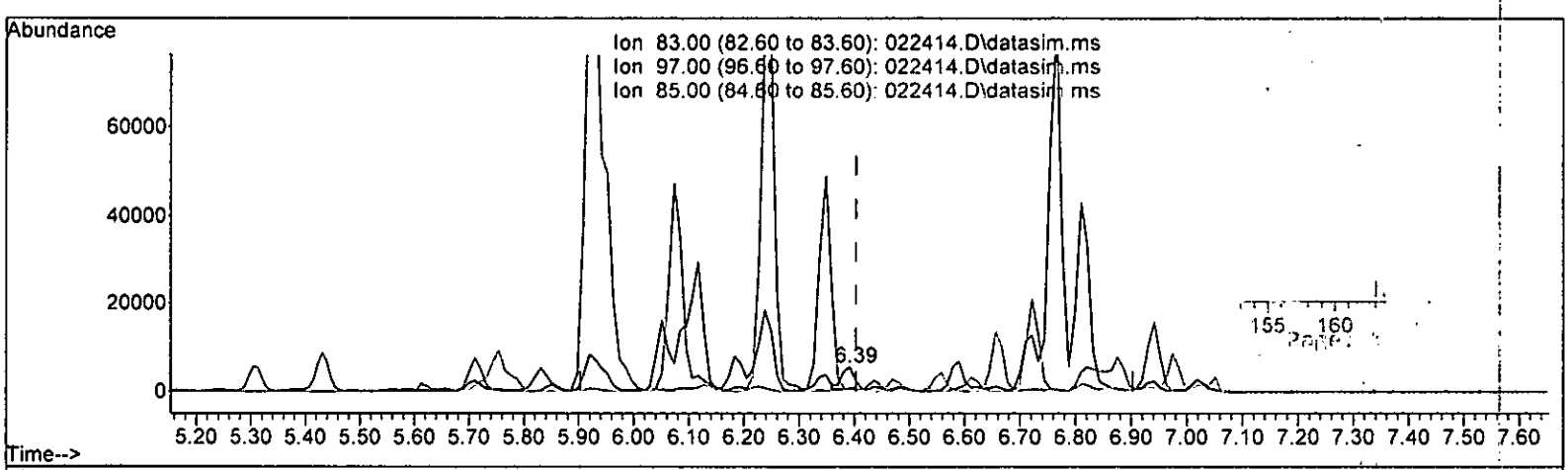
response 1935

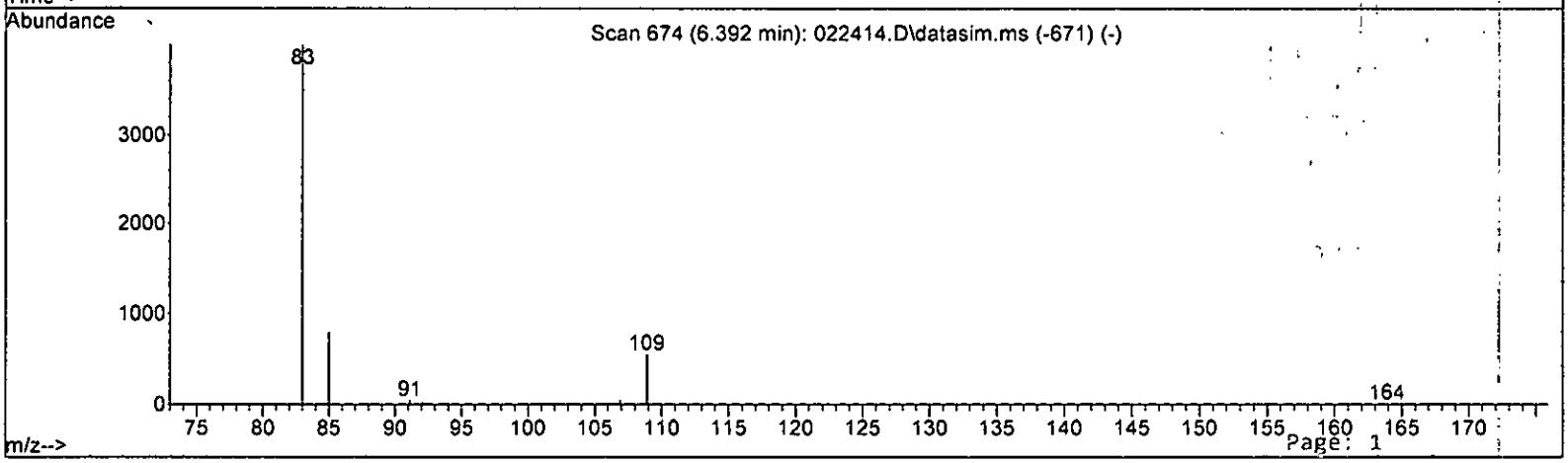
Ion	Exp%	Act%
85.00	100.00	100.00
100.00	81.50	0.00#
58.00	297.10	41.86#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





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TIC: 022414.D\data.ms

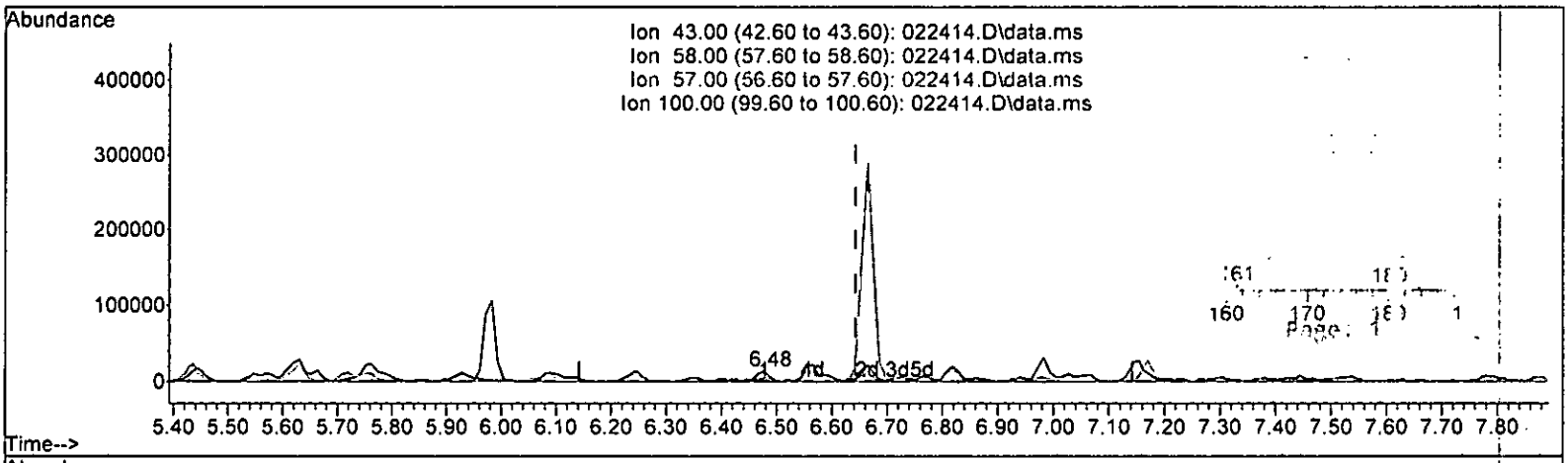
(42) 1,1,2-Trichloroethane (TMP)
6.392min (-0.011) 1.441 ppb
response 7733

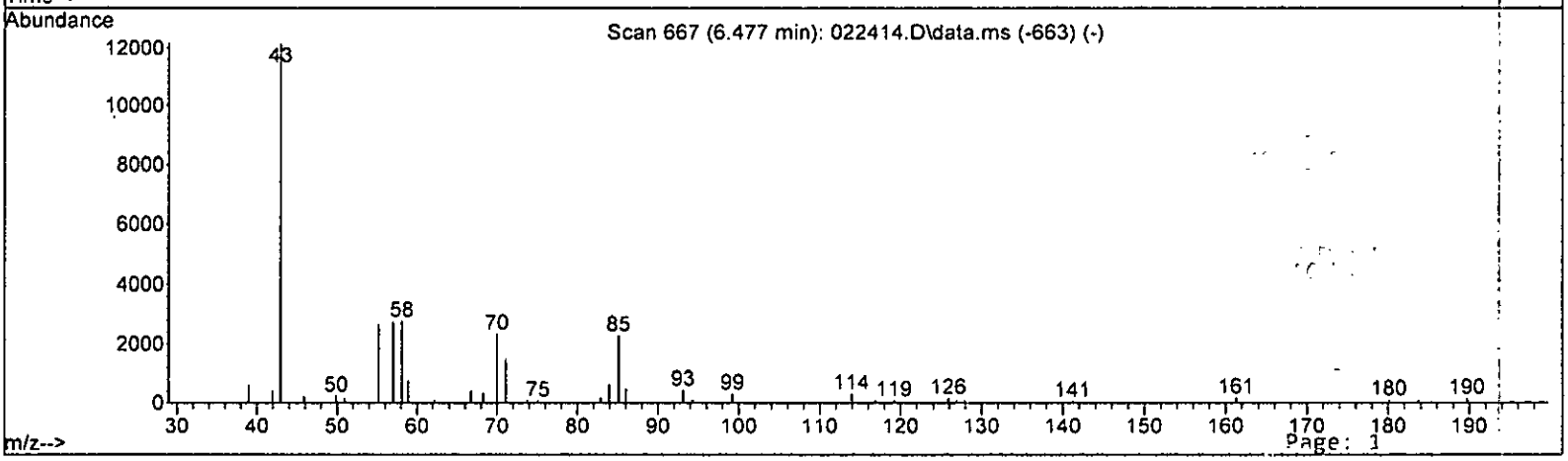
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	0.00#
85.00	64.80	16.36#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

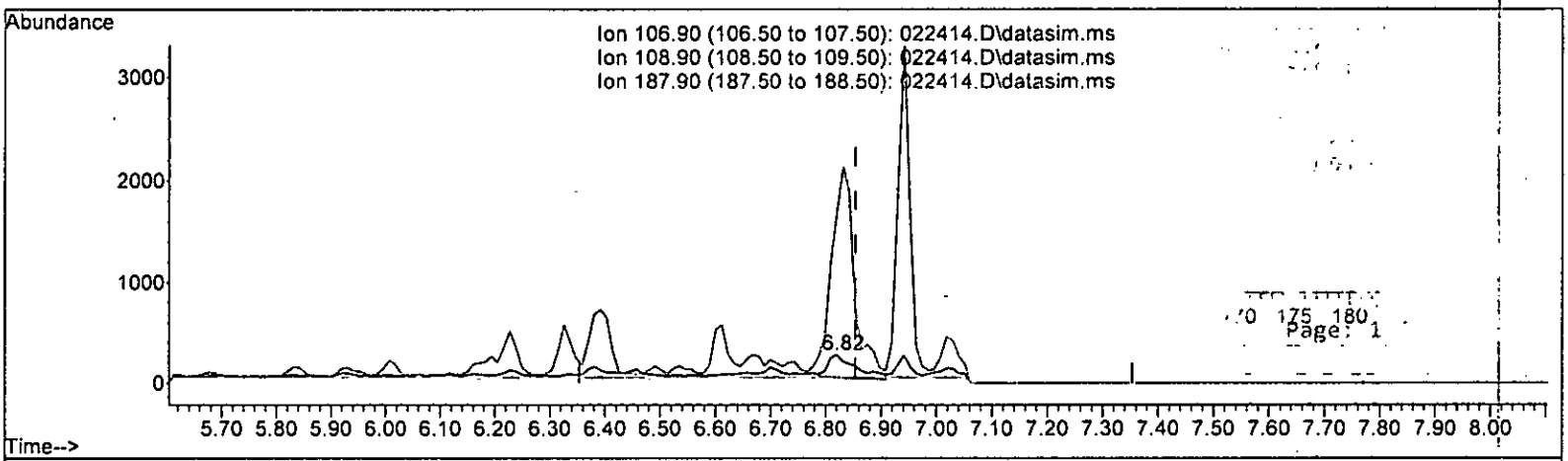
(43) 2-Hexanone (TMP)
6.477min (-0.165) 2.893 ppb
response 22567

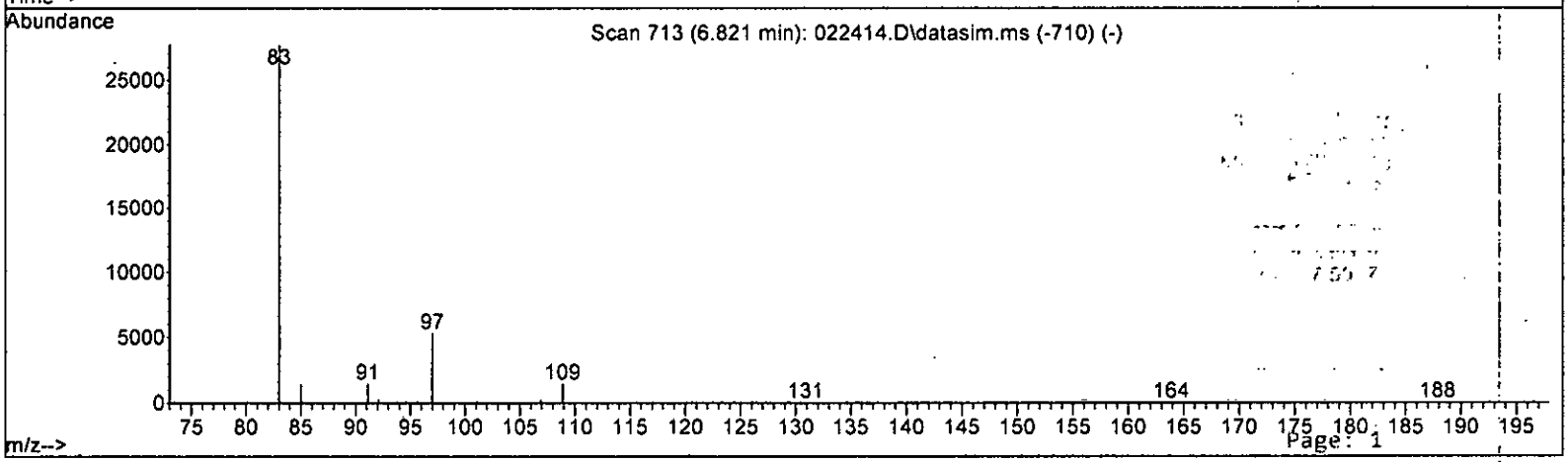
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	48.10	21.17
57.00	15.20	35.88
100.00	8.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

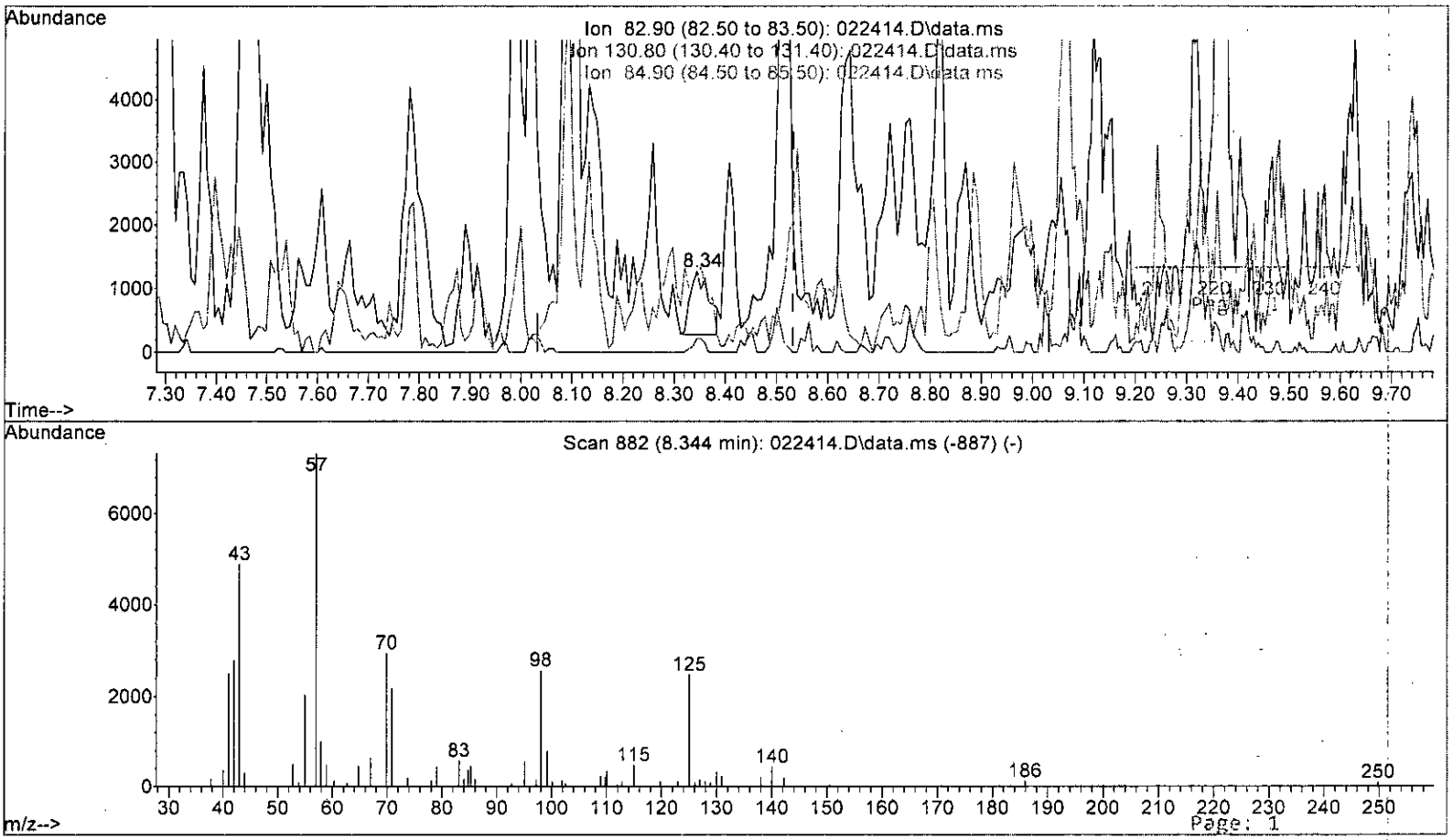
(47) 1,2-Dibromoethane (EDB) (TMP)
6.821min (-0.033) 0.112 ppb
response 777

Ion	Exp%	Act%
106.90	100.00	100.00
108.90	98.70	811.86#
187.90	4.20	0.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022414.D\data.ms

(61) 1,1,2,2-Tetrachloroethane (TMP)

8.344min (-0.188) 0.243 ppb

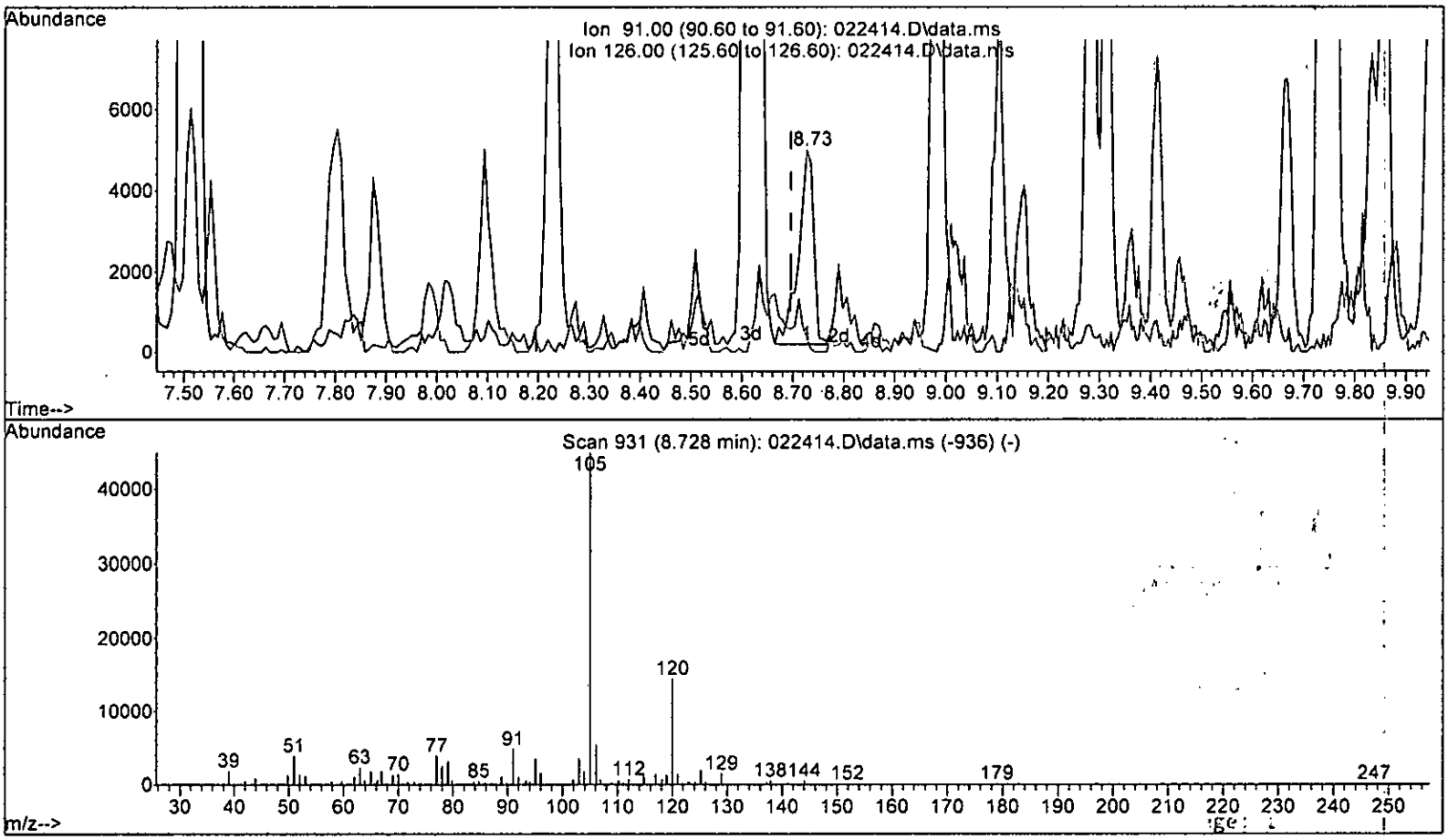
response 2500

Ion	Exp%	Act%
82.90	100.00	100.00
130.80	11.80	22.06
84.90	67.20	82.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022414.D\data.ms

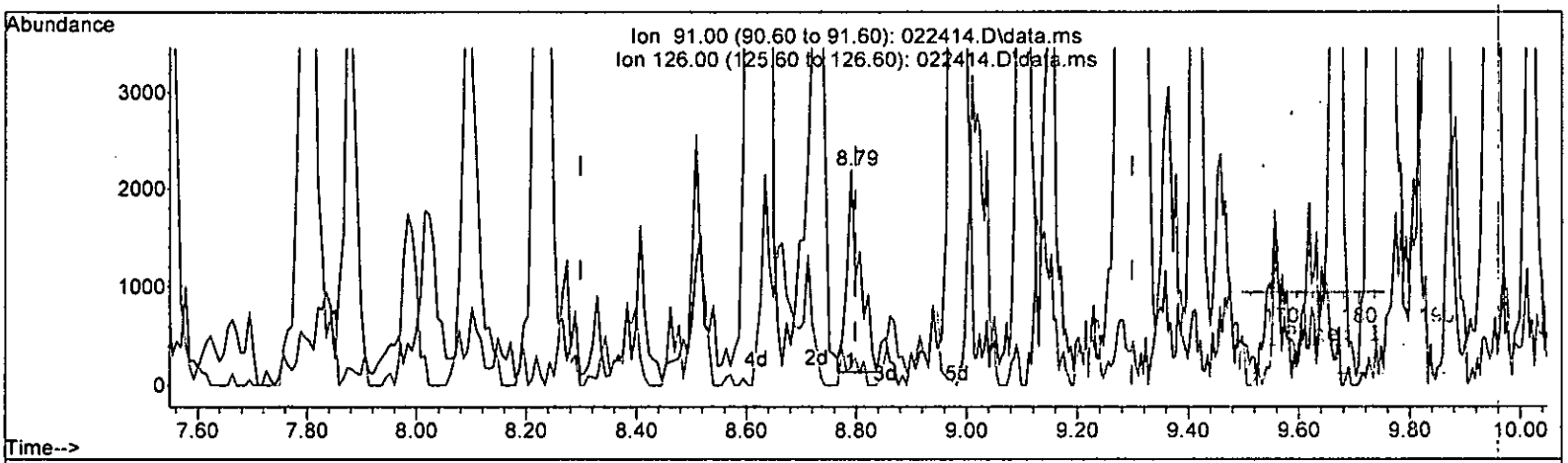
(63) 2-Chlorotoluene (TMP)
8.728min (+ 0.031) 0.471 ppb
response 9909

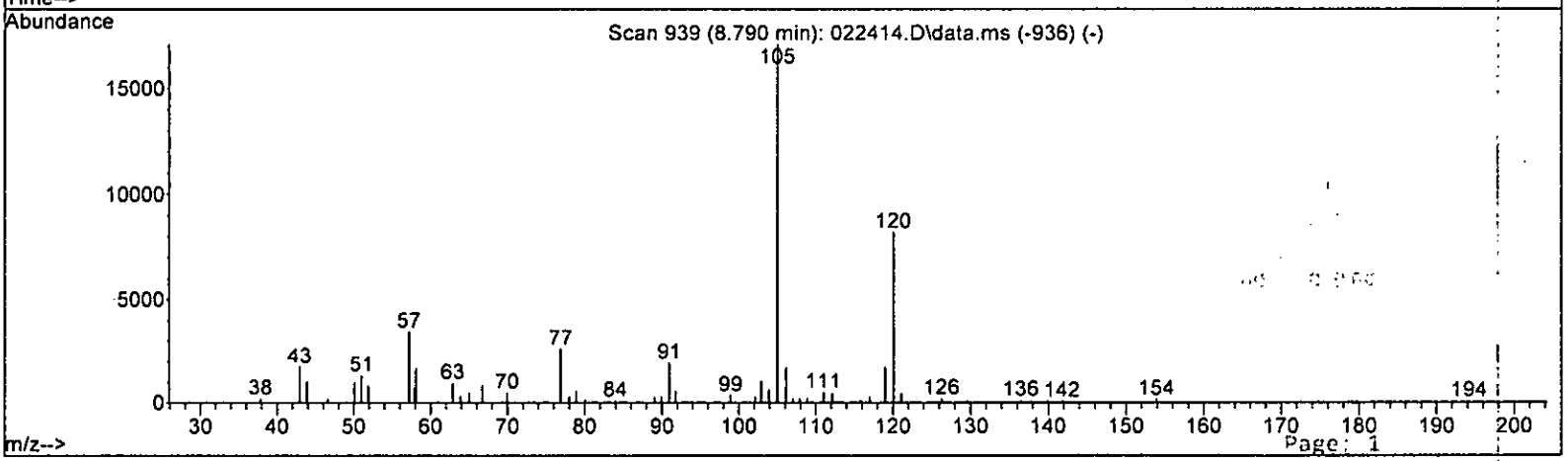
Ion	Exp%	Act%
91.00	100.00	100.00
126.00	35.20	7.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

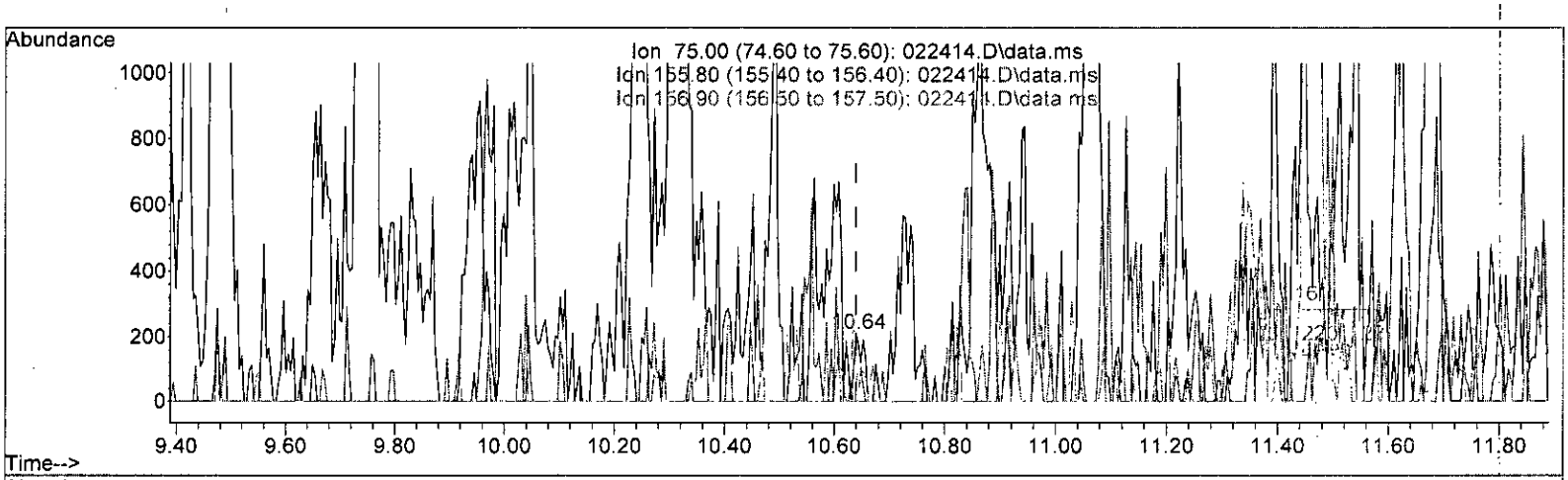
(64) 4-Chlorotoluene (TMP)
8.790min (-0.008) 0.136 ppb
response 3292

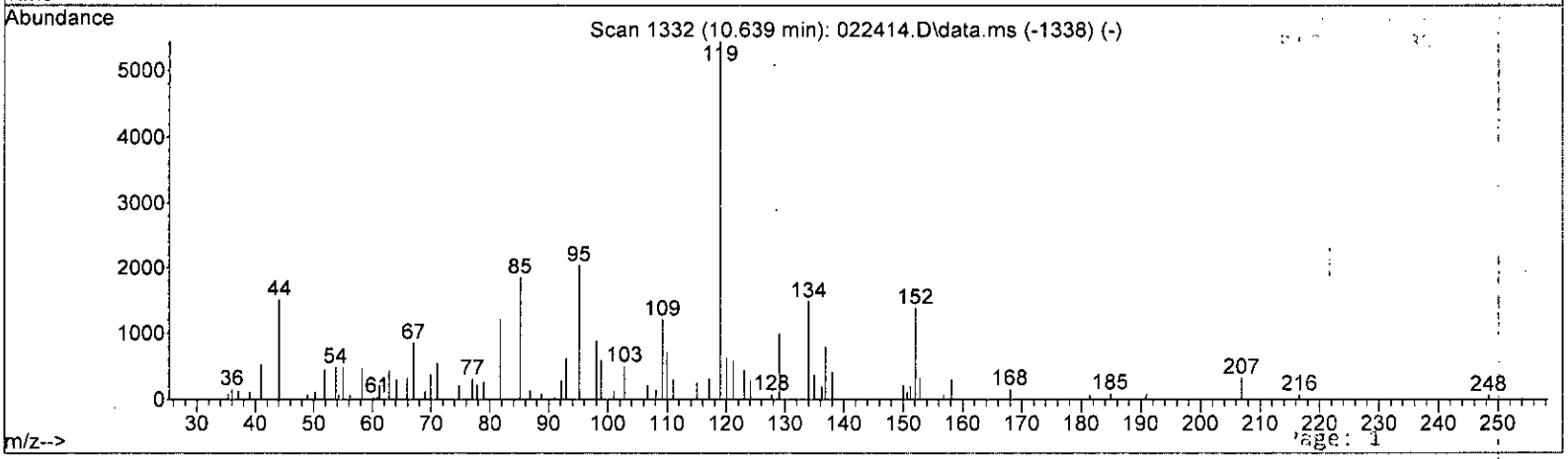
Ion	Exp%	Act%
91.00	100.00	100.00
126.00	31.00	9.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022414.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.639min (-0.000) 0.140 ppb
response 244

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	62.38#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

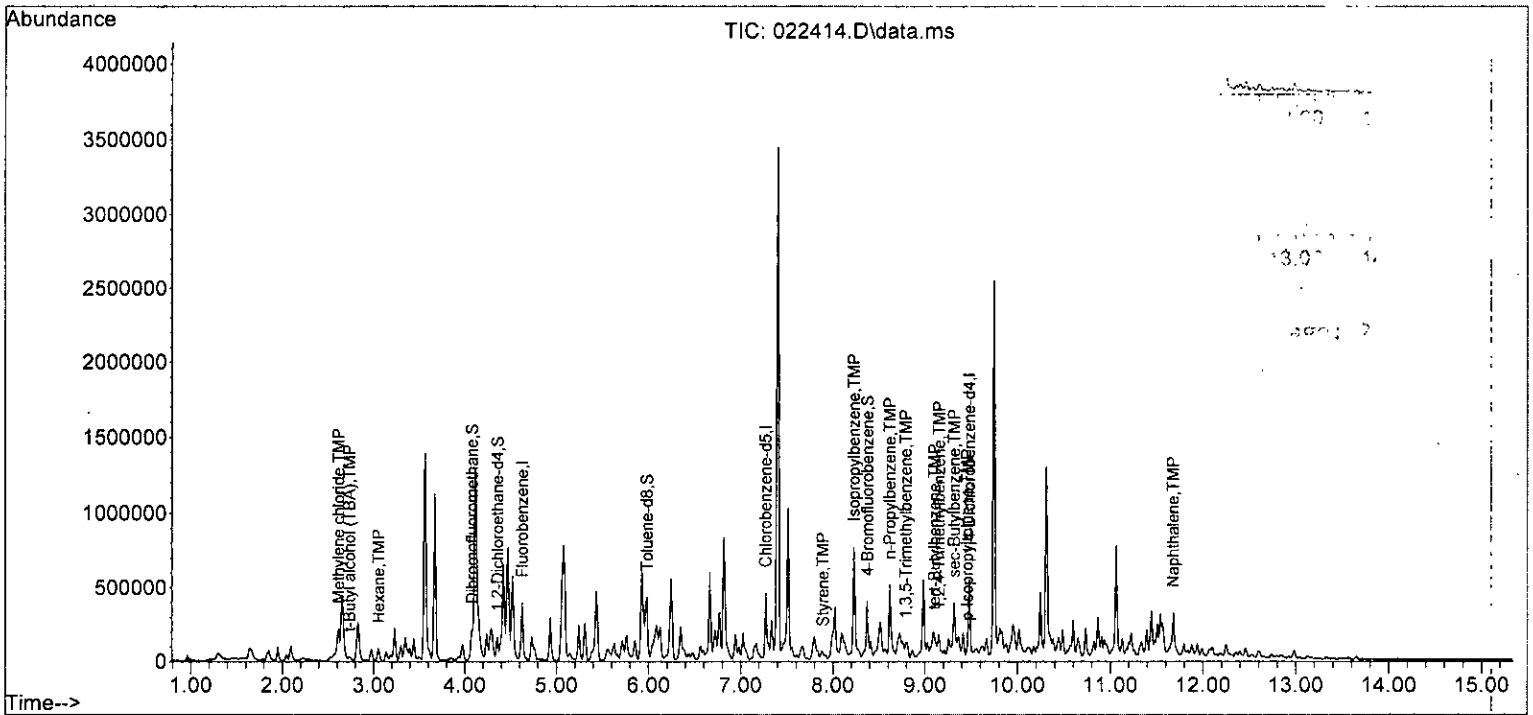
Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

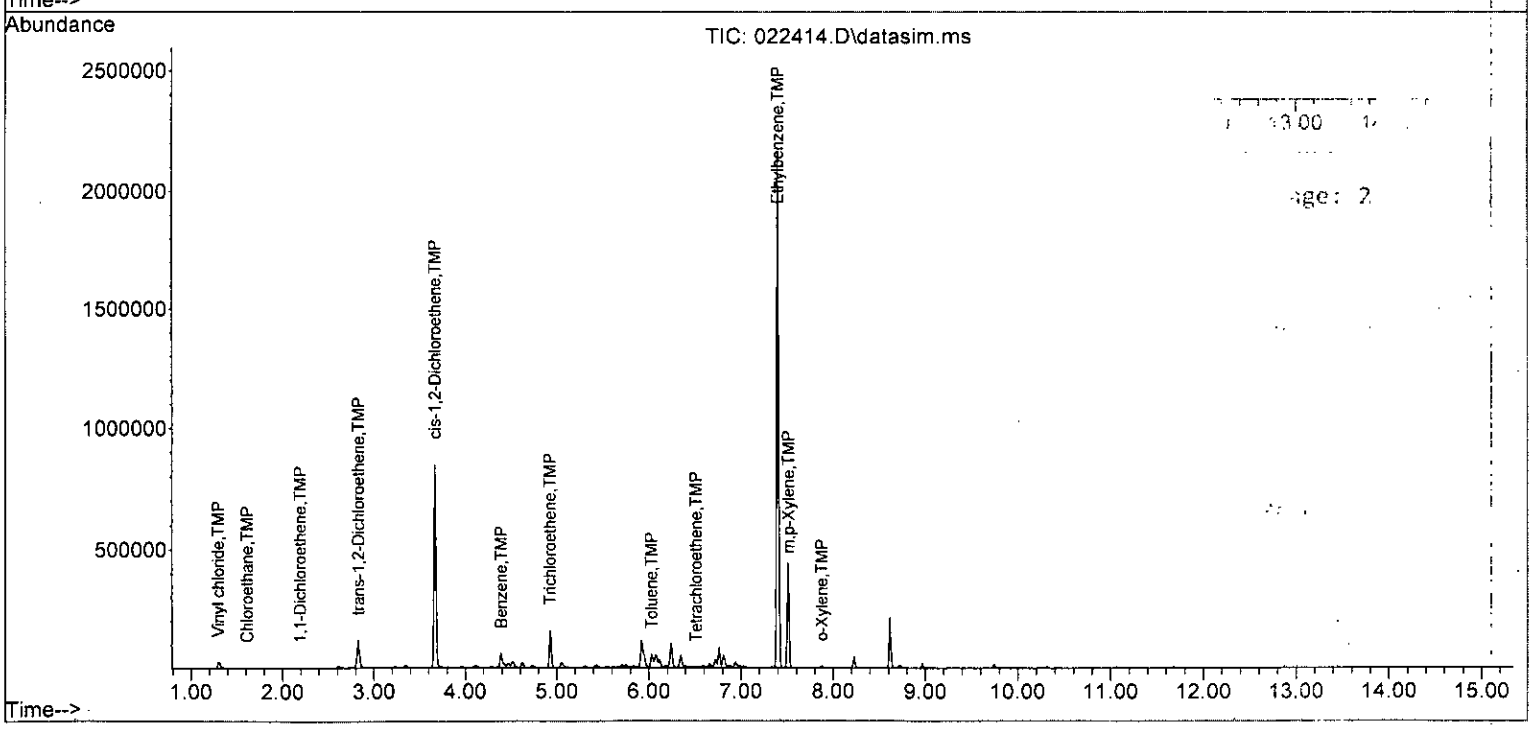
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	261913	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	204733	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	120709	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	73906	10.140	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.36	102	15274	9.431	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.30%			
35) Toluene-d8	5.98	98	267188	10.838	ppb	0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 108.40%			
57) 4-Bromofluorobenzene	8.38	95	99612	11.391	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 113.90%			
Target Compounds						Qvalue
6] Vinyl chloride	1.30	62	47615	3.014	ppb	98
8] Chloroethane	1.61	64	4132	0.567	ppb	78
12] 1,1-Dichloroethene	2.19	96	589	0.076	ppb	96
13) Hexane	3.05	57	35037	3.183	ppb	97
14) Methylene chloride	2.61	84	5269	0.722	ppb	88
15) t-Butyl alcohol (TBA)	2.73	59	28625	27.314	ppb	52
17] trans-1,2-Dichloroethene	2.83	96	33554	4.981	ppb	99
21) 2,2-Dichloropropane	3.74	77	154	Below Cal		76
22] cis-1,2-Dichloroethene	3.67	96	404362	53.543	ppb	84
31] Benzene	4.39	78	79101	2.881	ppb	95
32] Trichloroethene	4.93	95	61261	7.783	ppb	93
40] Toluene	6.03	92	29710	1.690	ppb	97
45] Tetrachloroethene	6.51	164	881	0.107	ppb	95
49] Ethylbenzene	7.40	91	2196650	65.729	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.37	131	51	Below Cal	#	8
51] m,p-Xylene	7.52	106	209020	16.976	ppb #	75
52] o-Xylene	7.88	106	2948	0.224	ppb	100
53) Styrene	7.89	104	2543	0.129	ppb	67
54) Isopropylbenzene	8.23	105	405943	13.435	ppb	99
58) n-Propylbenzene	8.62	91	285369	8.153	ppb	95
60) 1,3,5-Trimethylbenzene	8.79	105	24331	0.943	ppb	100
65) tert-Butylbenzene	9.10	119	16776	0.698	ppb	89
66) 1,2,4-Trimethylbenzene	9.15	105	47735	1.782	ppb	97
67) sec-Butylbenzene	9.31	105	88215	2.608	ppb	89
68) p-Isopropyltoluene	9.46	119	14751	0.490	ppb	85
75) Naphthalene	11.68	128	138675	4.443	ppb	98

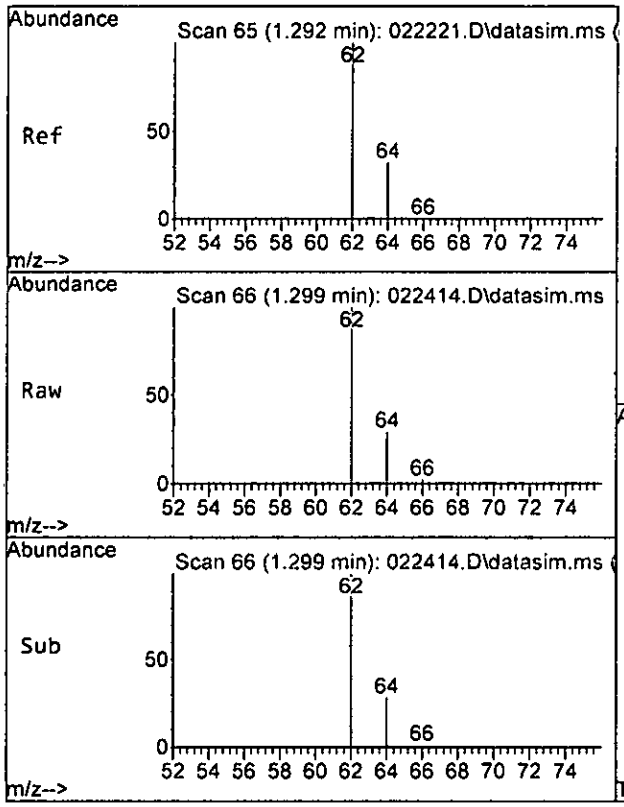
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



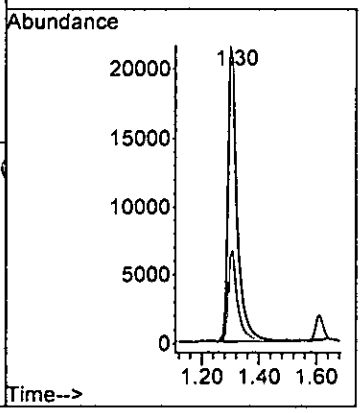


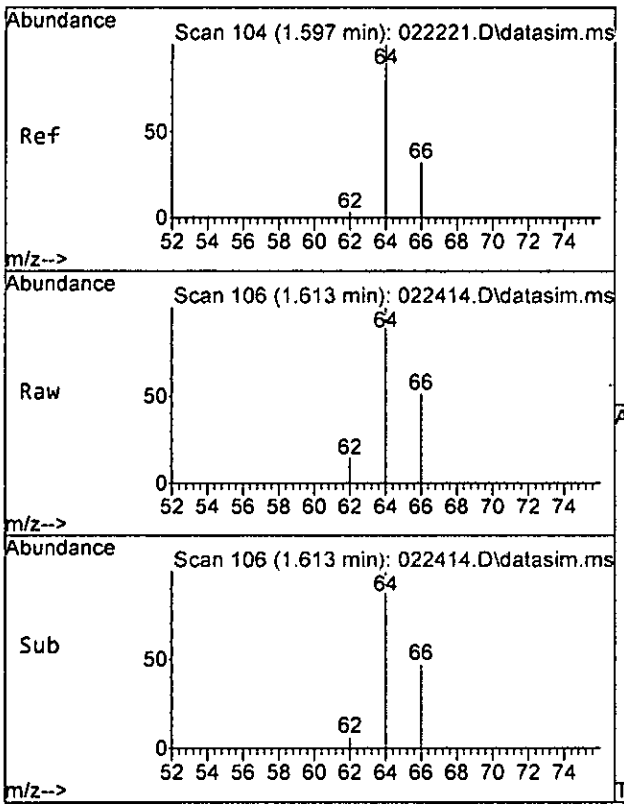


#6
Vinyl chloride
Concen: 3.014 ppb
RT: 1.30 min Scan# 66
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 62 Resp: 47615

Ion	Ratio	Lower	Upper
62	100		
64	28.2	0.0	56.9

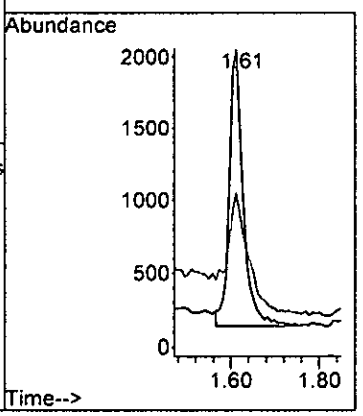


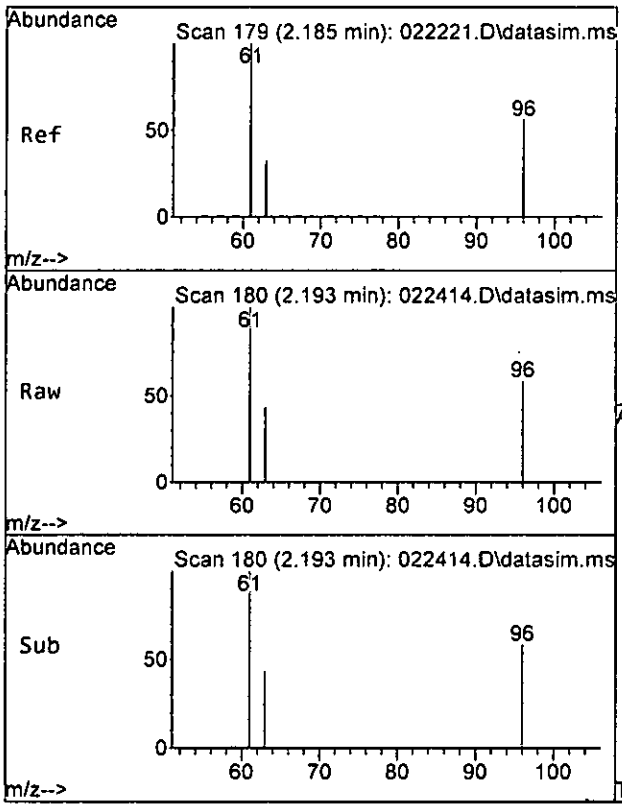


#8
Chloroethane
Concen: 0.567 ppb
RT: 1.61 min Scan# 106
Delta R.T. 0.016 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 64 Resp: 4132

Ion	Ratio	Lower	Upper
64	100		
66	43.0	0.9	60.9

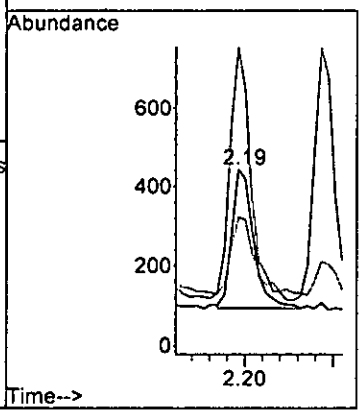


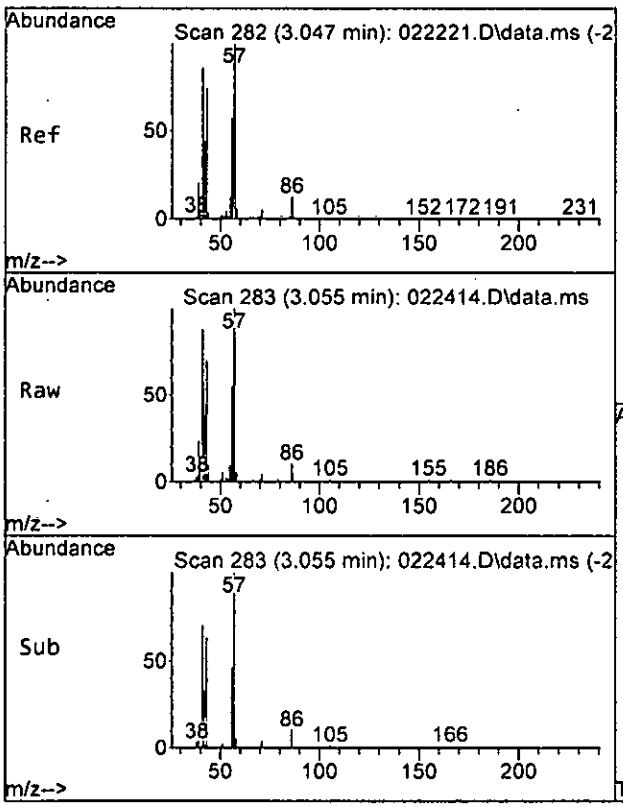


#12
1,1-Dichloroethene
Concen: 0.076 ppb
RT: 2.19 min Scan# 180
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 96 Resp: 589

Ion	Ratio	Lower	Upper
96	100		
61	181.7	145.6	205.6
63	55.6	27.4	87.4

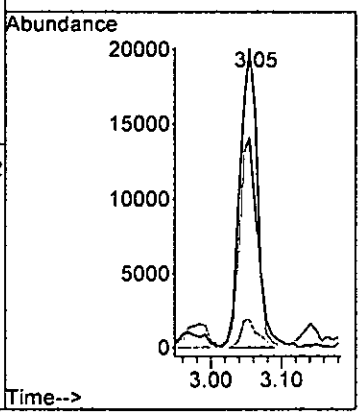


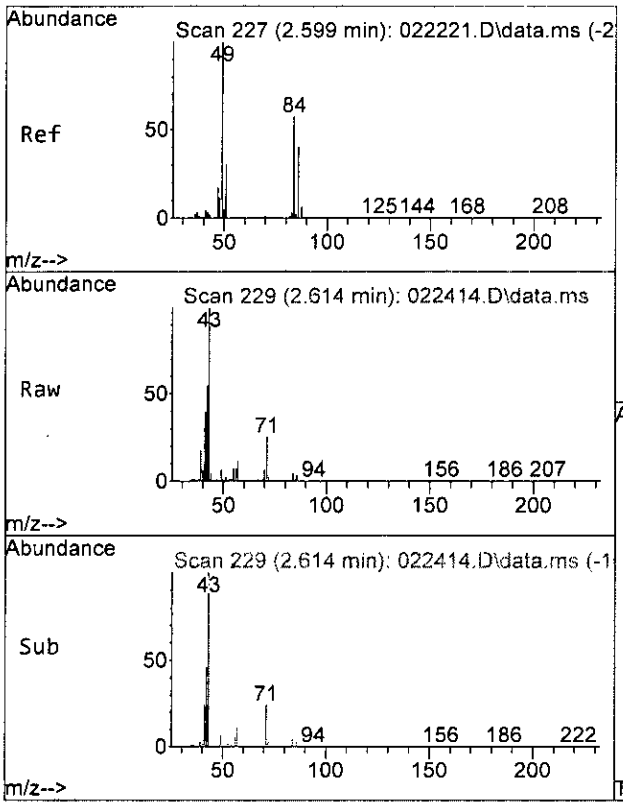


#13
Hexane
Concen: 3.183 ppb
RT: 3.05 min Scan# 283
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 57 Resp: 35037

Ion	Ratio	Lower	Upper
57	100		
43	68.7	40.6	100.6
86	9.5	0.0	41.4

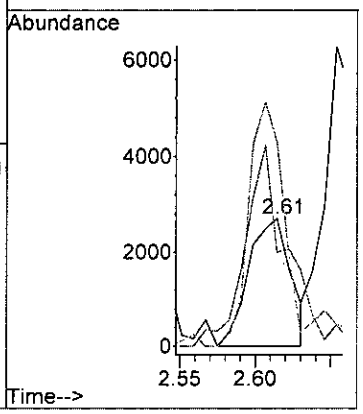


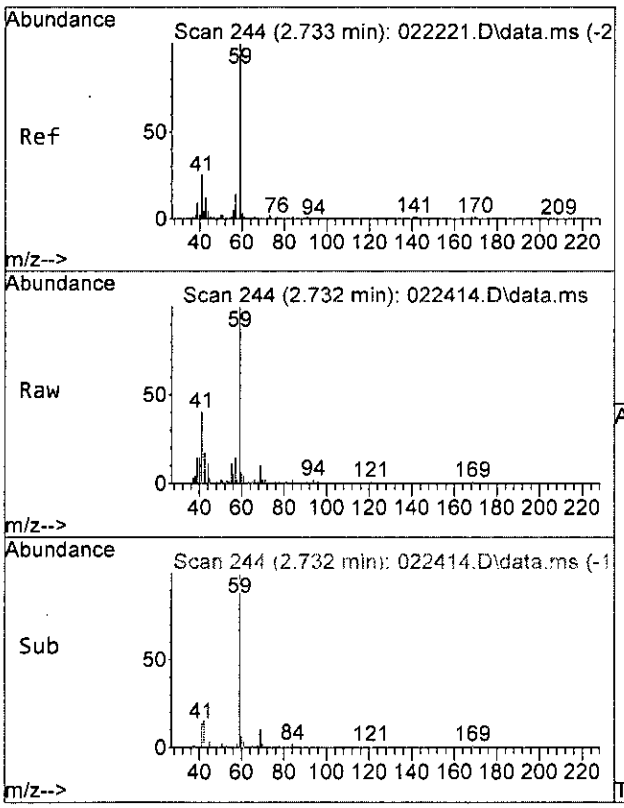


#14
Methylene chloride
Concen: 0.722 ppb
RT: 2.61 min Scan# 229
Delta R.T. 0.016 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 84 Resp: 5269

Ion	Ratio	Lower	Upper
84	100		
86	62.1	40.3	100.3
49	158.6	147.3	207.3

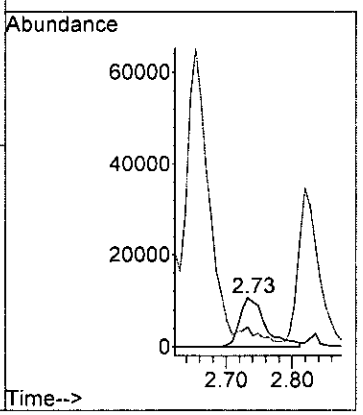


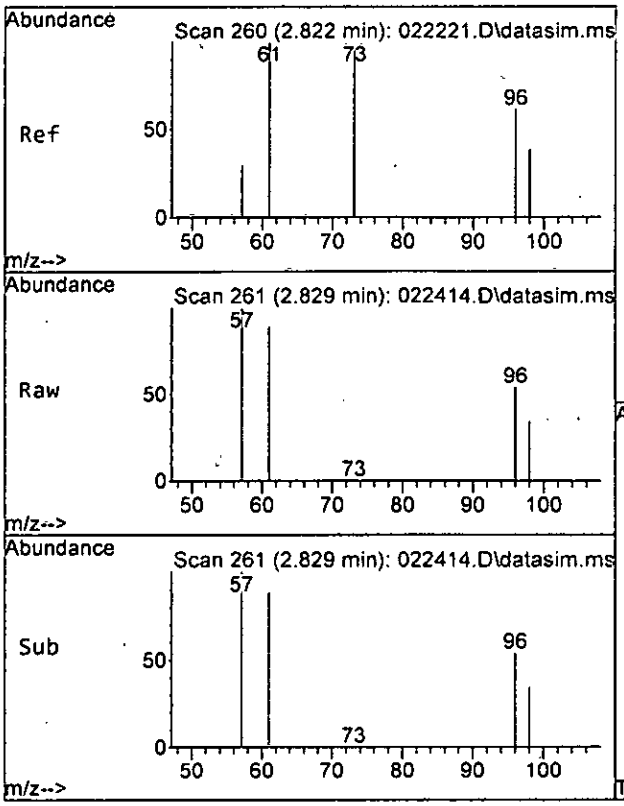


#15
t-Butyl alcohol (TBA)
Concen: 27.314 ppb
RT: 2.73 min Scan# 244
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 59 Resp: 28625

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	53.5

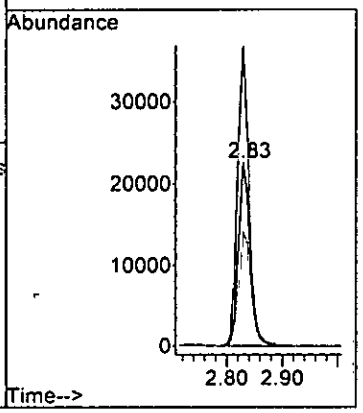


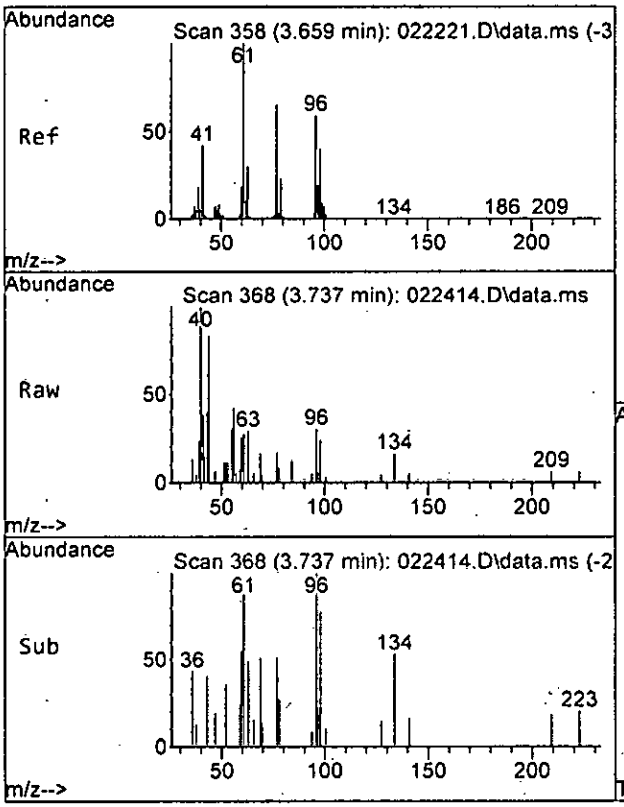


#17
trans-1,2-Dichloroethene
Concen: 4.981 ppb
RT: 2.83 min Scan# 261
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 96 Resp: 33554

Ion	Ratio	Lower	Upper
96	100		
61	163.6	135.7	195.7
98	62.7	32.4	92.4

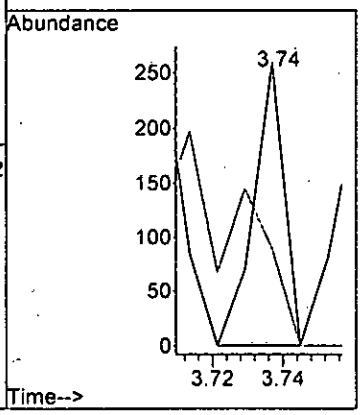


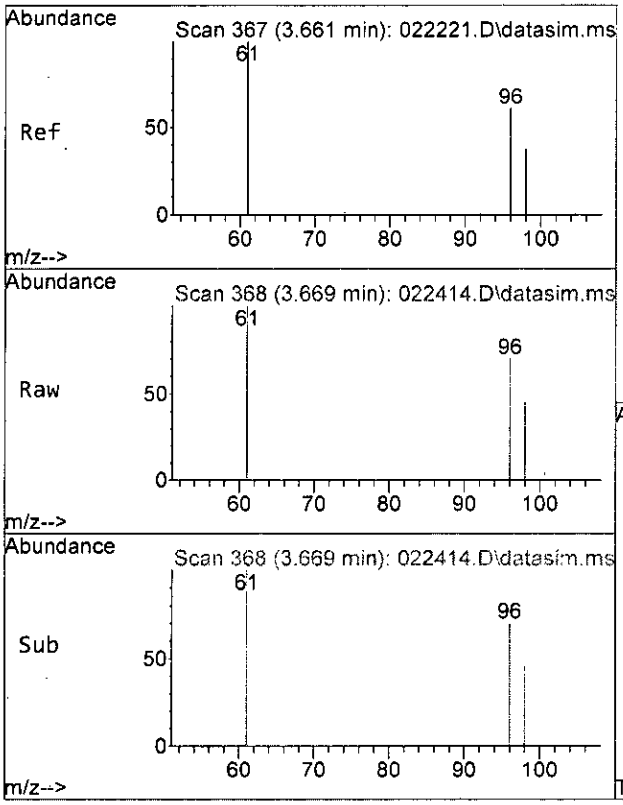


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.74 min Scan# 368
Delta R.T. 0.078 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 77 Resp: 154

Ion	Ratio	Lower	Upper
77	100		
97	34.4	0.0	52.9

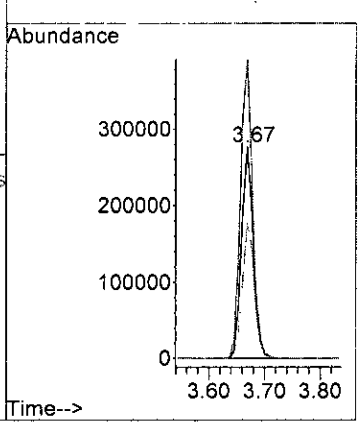


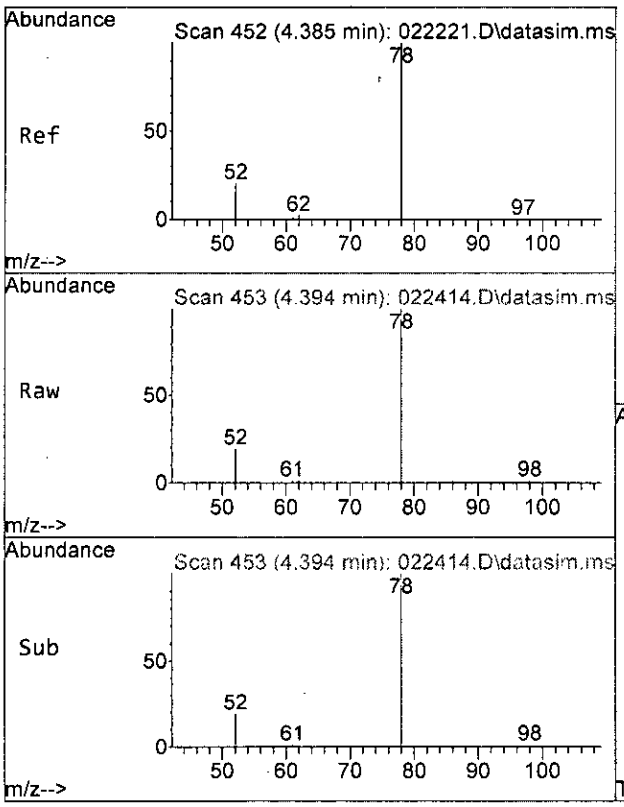


#22
cis-1,2-Dichloroethene
Concen: 53.543 ppb
RT: 3.67 min Scan# 368
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 96 Resp: 404362

Ion	Ratio	Lower	Upper
96	100		
61	141.9	139.8	199.8
98	64.1	30.7	90.7

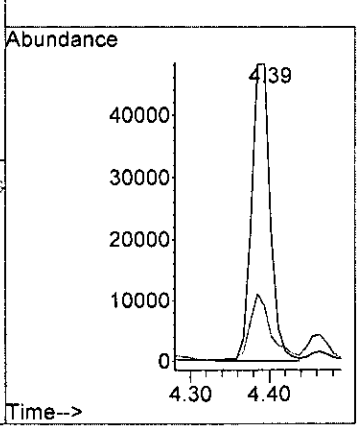


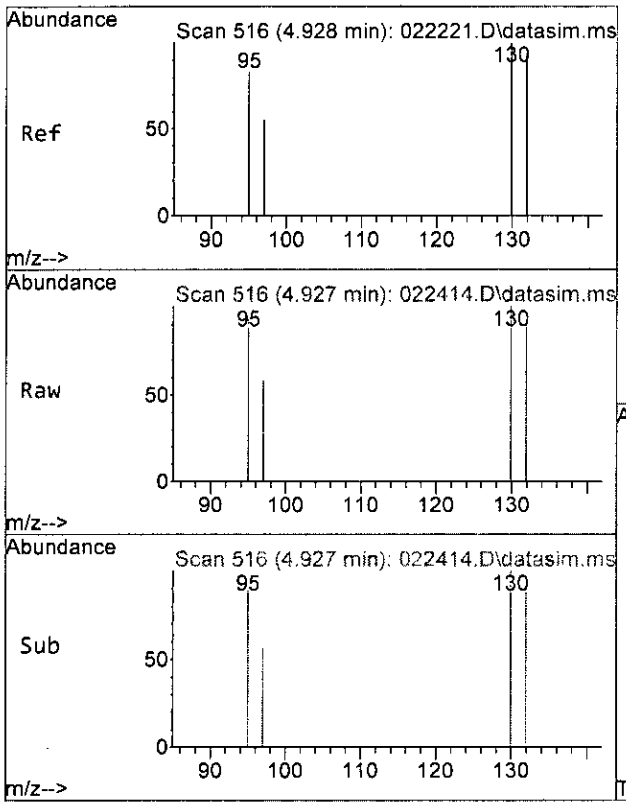


#31
Benzene
Concen: 2.881 ppb
RT: 4.39 min Scan# 453
Delta R.T. 0.009 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 78 Resp: 79101

Ion	Ratio	Lower	Upper
78	100		
52	18.3	0.0	50.6

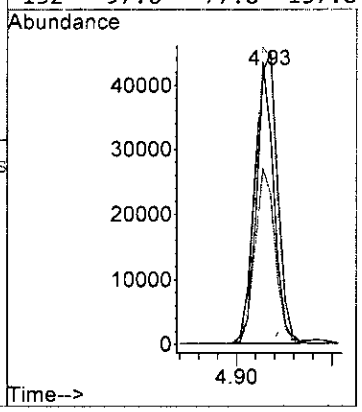


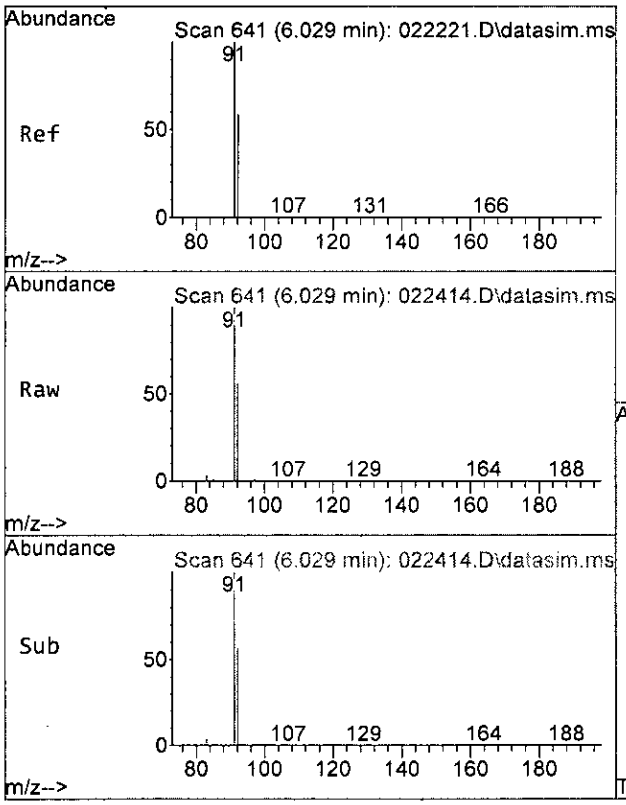


#32
Trichloroethene
Concen: 7.783 ppb
RT: 4.93 min Scan# 516
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 95 Resp: 61261

Ion	Ratio	Lower	Upper
95	100		
97	62.4	36.5	96.5
130	107.0	83.1	143.1
132	97.6	77.8	137.8

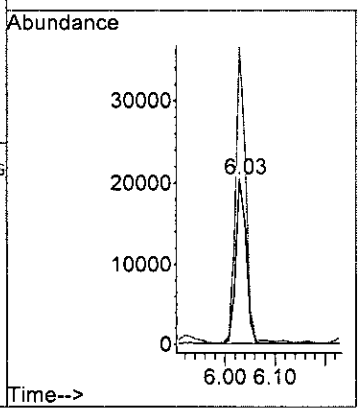


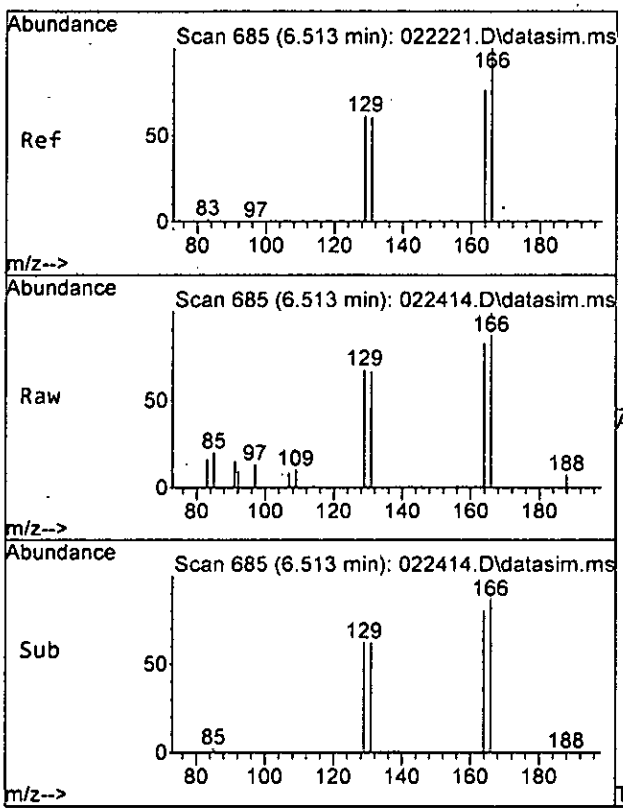


#40
Toluene
Concen: 1.690 ppb
RT: 6.03 min Scan# 641
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 92 Resp: 29710

Ion	Ratio	Lower	Upper
92	100		
91	178.3	144.6	204.6

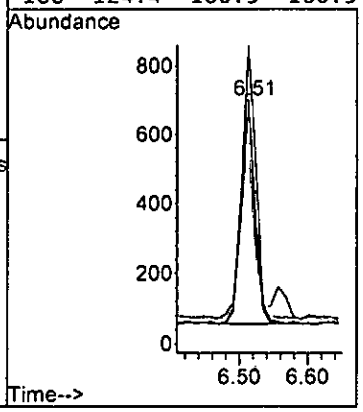


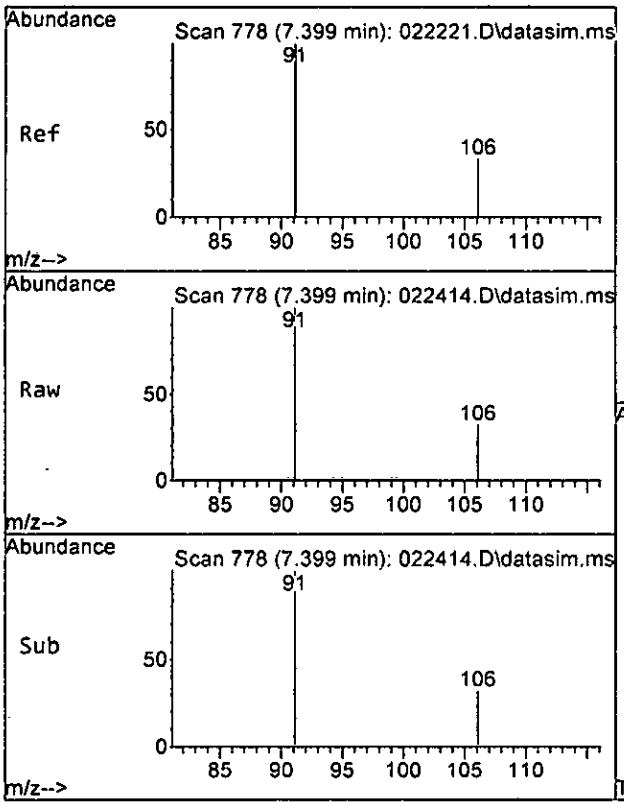


#45
Tetrachloroethene
Concen: 0.107 ppb
RT: 6.51 min Scan# 685
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:164 Resp: 881

Ion	Ratio	Lower	Upper
164	100		
129	78.4	52.8	112.8
131	77.2	52.4	112.4
166	124.4	100.5	160.5

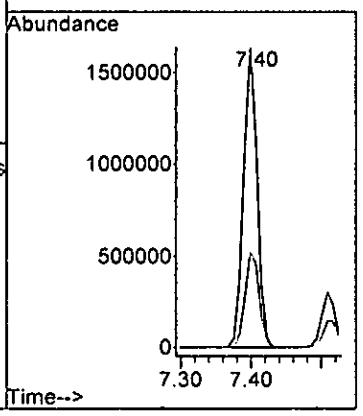


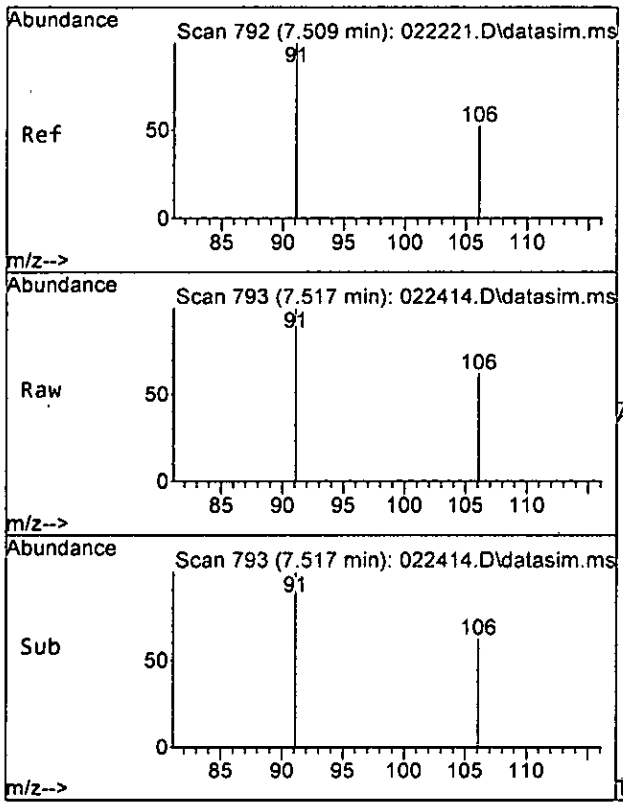


#49
Ethylbenzene
Concen: 65.729 ppb
RT: 7.40 min Scan# 778
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 91 Resp: 2196650

Ion	Ratio	Lower	Upper
91	100		
106	31.9	1.4	61.4

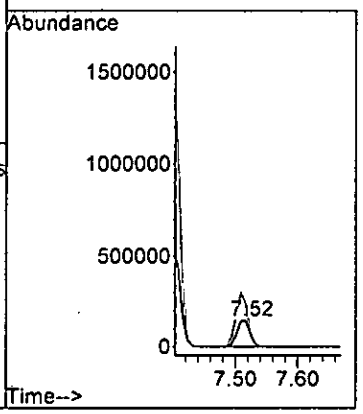


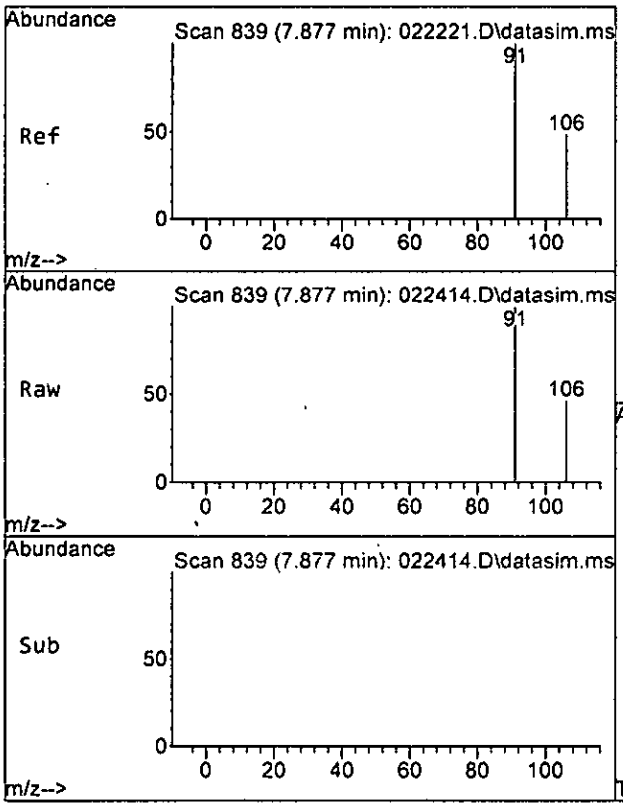


#51
m,p-Xylene
Concen: 16.976 ppb
RT: 7.52 min Scan# 793
Delta R.T. 0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:106 Resp: 209020

Ion	Ratio	Lower	Upper
106	100		
91	161.8	169.6	229.6#

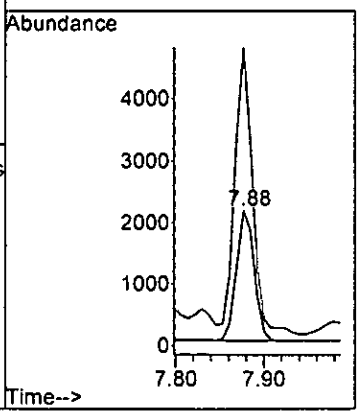


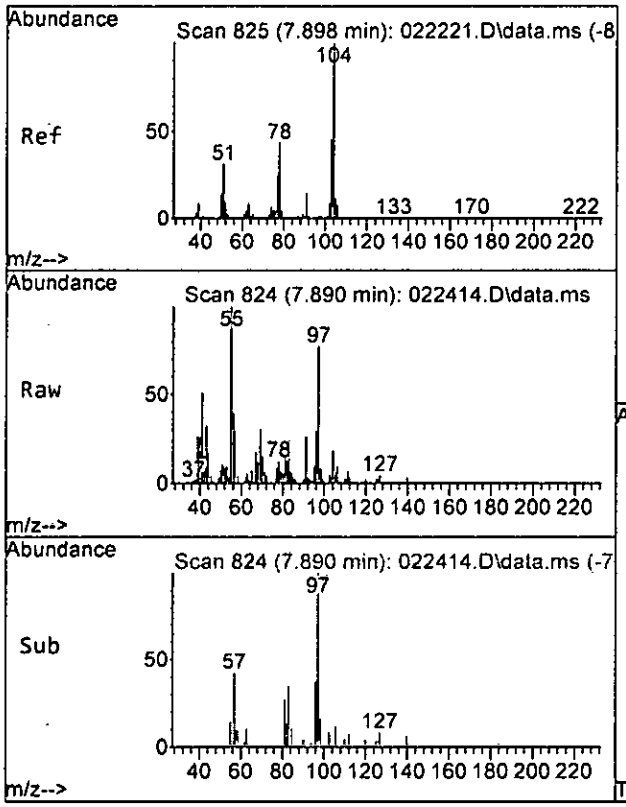


#52
o-Xylene
Concen: 0.224 ppb
RT: 7.88 min Scan# 839
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:106 Resp: 2948

Ion	Ratio	Lower	Upper
106	100		
91	218.0	188.4	248.4

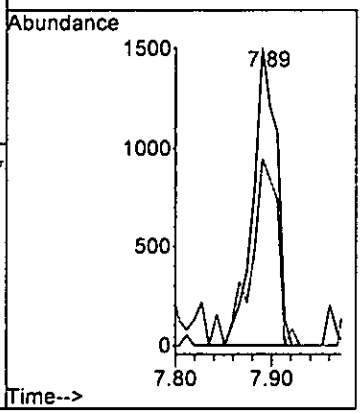


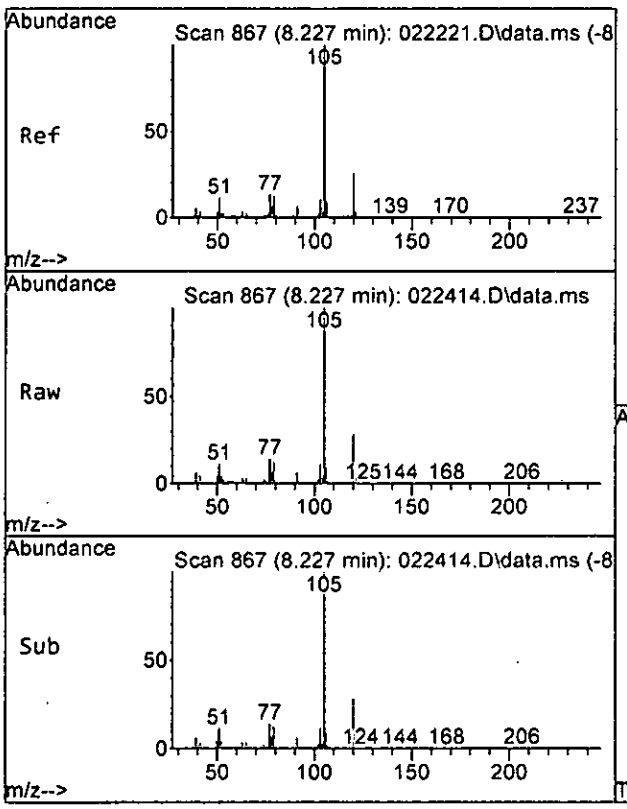


#53
Styrene
Concen: 0.129 ppb
RT: 7.89 min Scan# 824
Delta R.T. -0.008 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:104 Resp: 2543

Ion	Ratio	Lower	Upper
104	100		
78	63.0	12.0	72.0

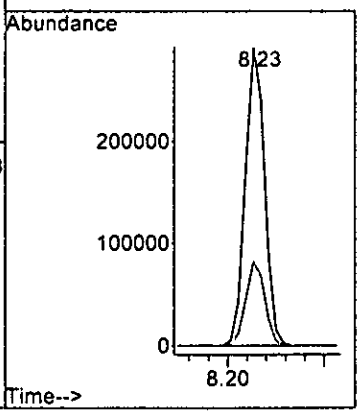


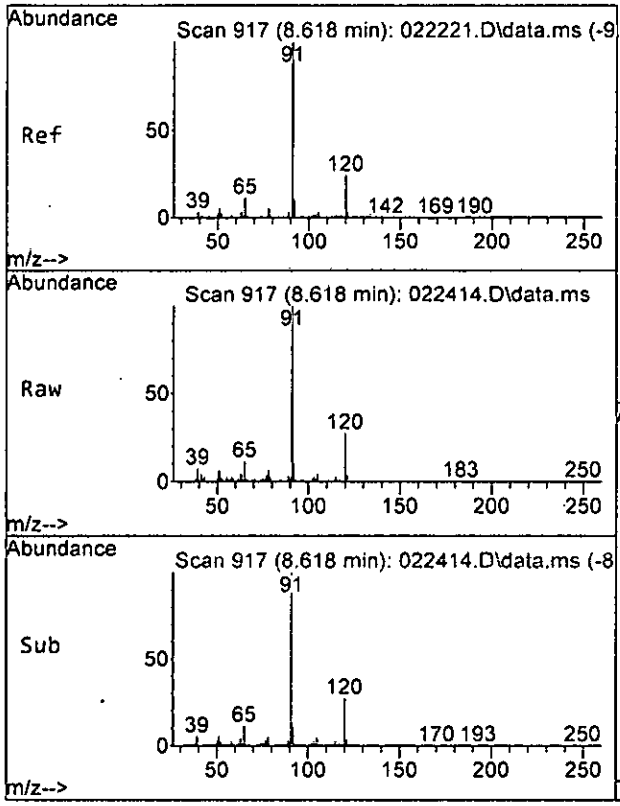


#54
Isopropylbenzene
Concen: 13.435 ppb
RT: 8.23 min Scan# 867
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:105 Resp: 405943

Ion	Ratio	Lower	Upper
105	100		
120	27.8	0.0	57.1

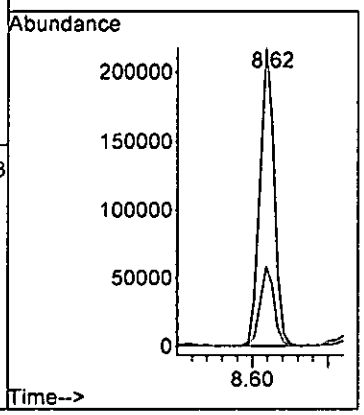


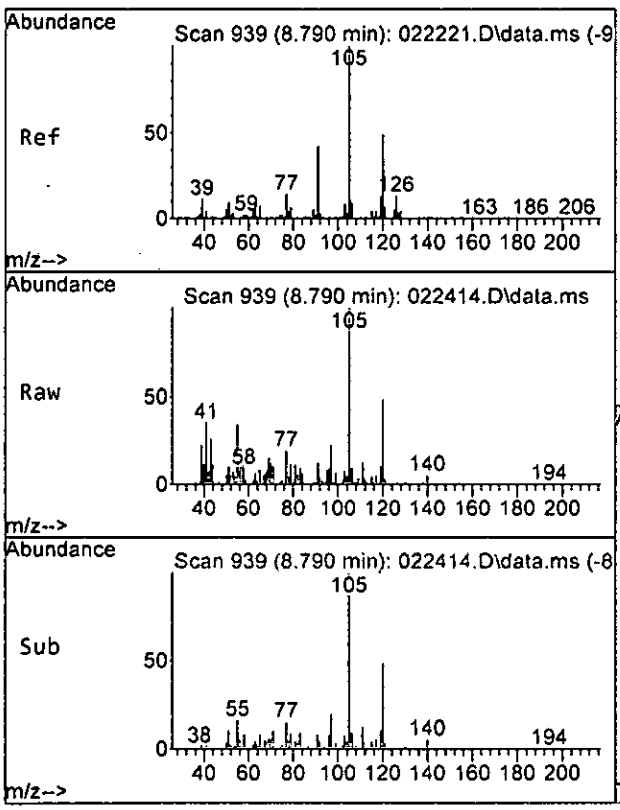


#58
n-Propylbenzene
Concen: 8.153 ppb
RT: 8.62 min Scan# 917
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion: 91 Resp: 285369

Ion	Ratio	Lower	Upper
91	100		
120	26.9	0.0	54.6

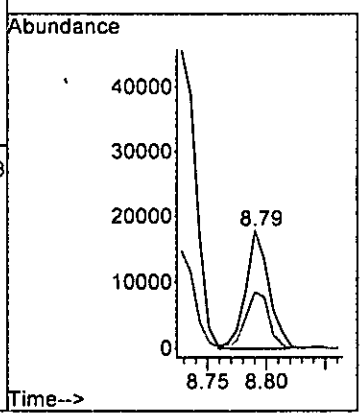


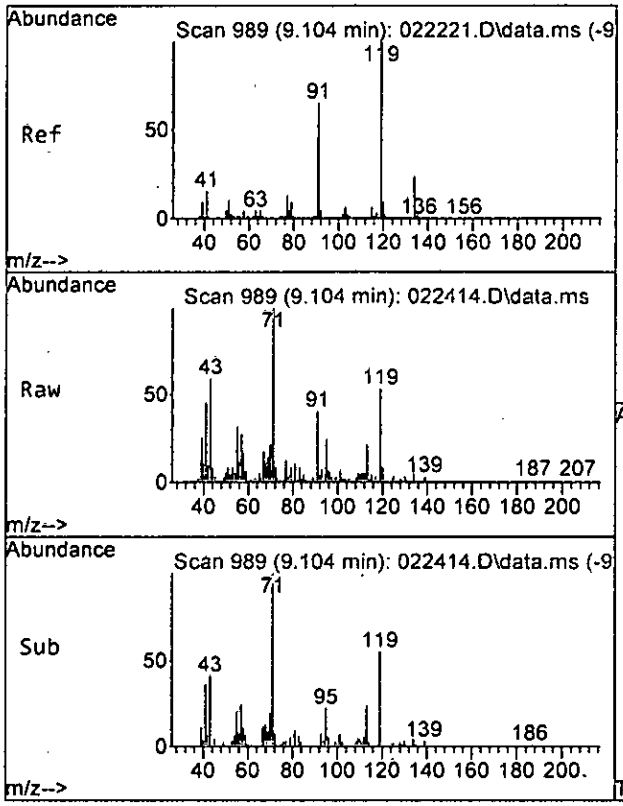


#60
1,3,5-Trimethylbenzene
Concen: 0.943 ppb
RT: 8.79 min Scan# 939
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:105 Resp: 24331

Ion	Ratio	Lower	Upper
105	100		
120	47.8	18.1	78.1

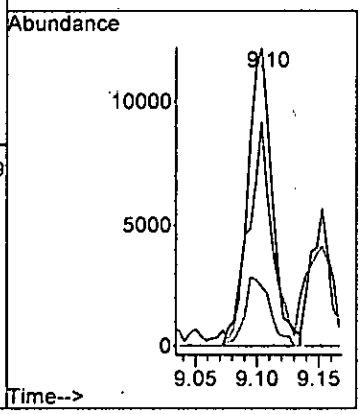


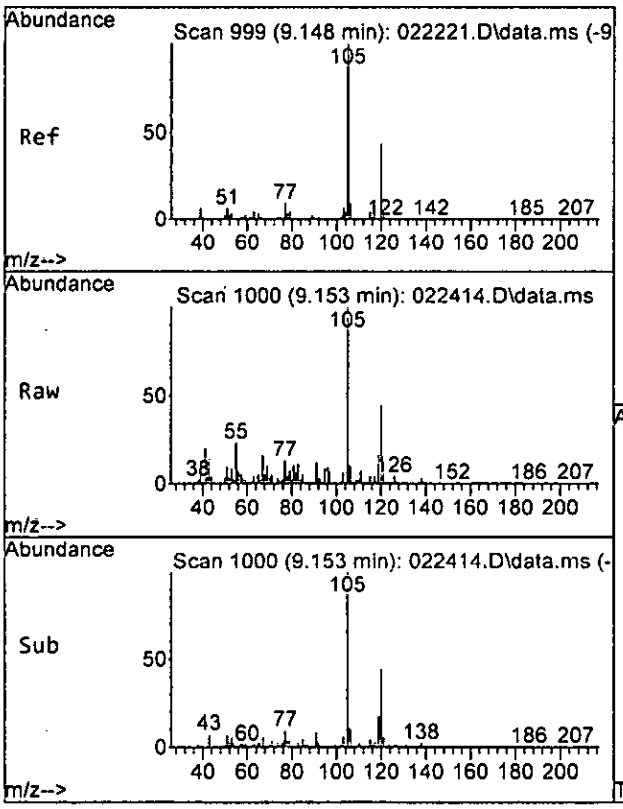


#65
tert-Butylbenzene
Concen: 0.698 ppb
RT: 9.10 min Scan# 989
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:119 Resp: 16776

Ion	Ratio	Lower	Upper
119	100		
91	72.5	32.5	92.5
134	20.3	0.0	53.2

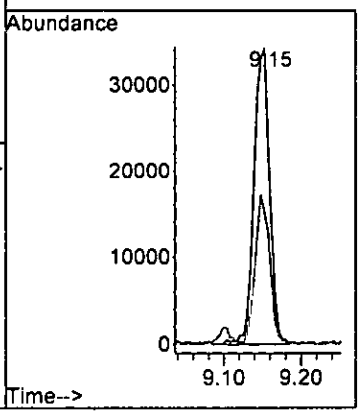


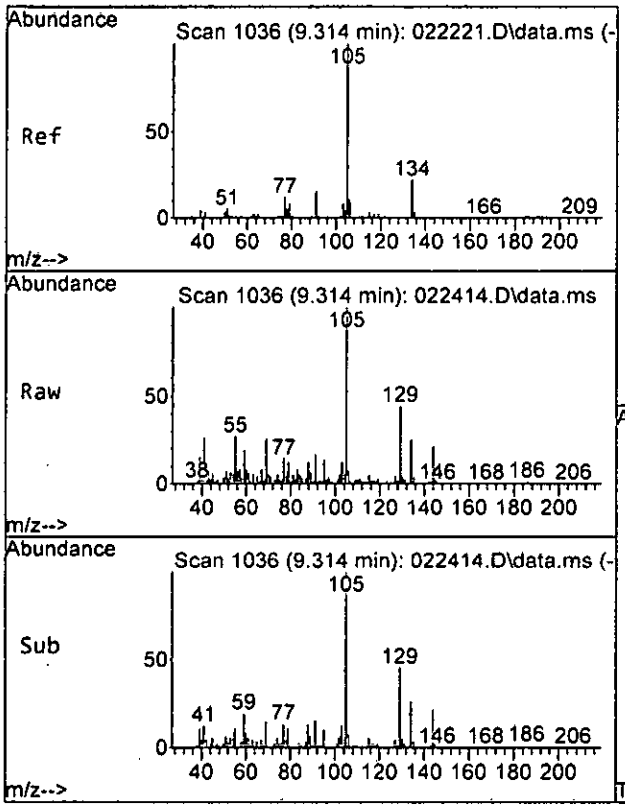


#66
1,2,4-Trimethylbenzene
Concen: 1.782 ppb
RT: 9.15 min Scan# 1000
Delta R.T. 0.004 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:105 Resp: 47735

Ion	Ratio	Lower	Upper
105	100		
120	43.6	15.5	75.5

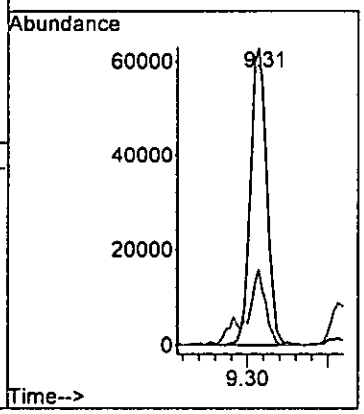


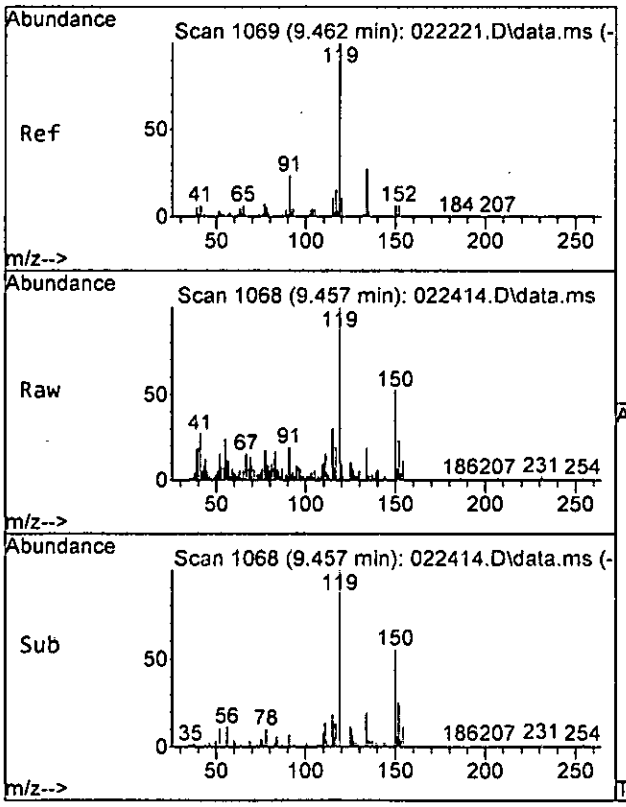


#67
sec-Butylbenzene
Concen: 2.608 ppb
RT: 9.31 min Scan# 1036
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:105 Resp: 88215

Ion	Ratio	Lower	Upper
105	100		
134	25.1	0.0	50.2

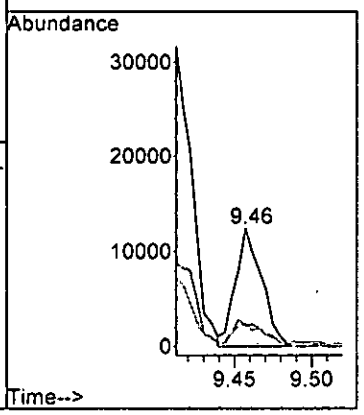


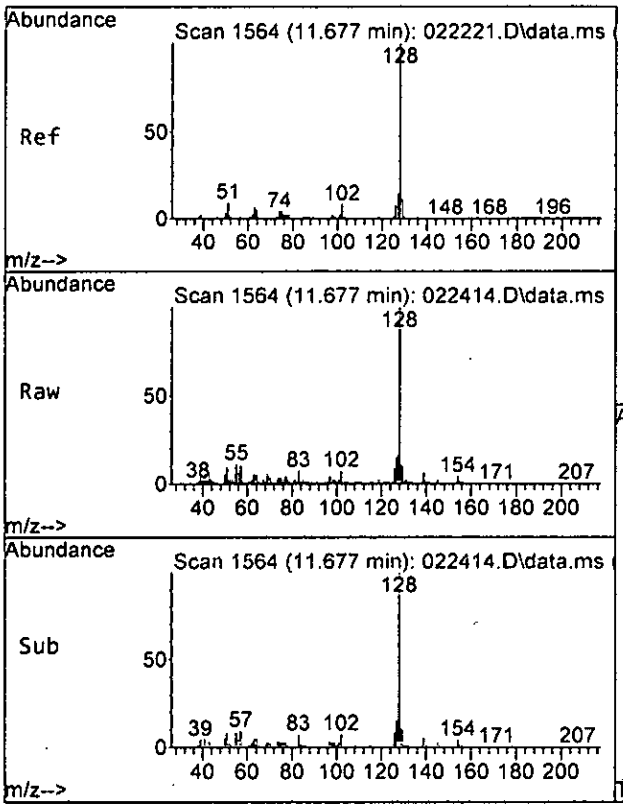


#68
p-Isopropyltoluene
Concen: 0.490 ppb
RT: 9.46 min Scan# 1068
Delta R.T. -0.005 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:119 Resp: 14751

Ion	Ratio	Lower	Upper
119	100		
134	17.8	0.0	57.0
91	15.5	0.0	51.0

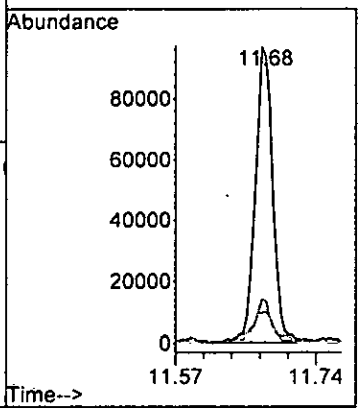




#75
Naphthalene
Concen: 4.443 ppb
RT: 11.68 min Scan# 1564
Delta R.T. -0.000 min
Lab File: 022414.D
Acq: 24 Feb 2023 10:20 am

Tgt Ion:128 Resp: 138675

Ion	Ratio	Lower	Upper
128	100		
129	9.9	0.0	40.5
127	14.4	0.0	43.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	261913	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	204733	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	120709	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	73906	10.140	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.36	102	15274	9.431	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 94.30%			
35) Toluene-d8	5.98	98	267188	10.838	ppb	0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 108.40%			
57) 4-Bromofluorobenzene	8.38	95	99612	11.391	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 113.90%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	1106	N.D.		
6] Vinyl chloride	1.30	62	47615	3.014	ppb	98
7) Bromomethane	0.00		0	N.D.	d	
8] Chloroethane	1.61	64	4132	0.567	ppb	78
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.39	45	536	No Calib		
11) Acetone	2.28	58	1818	N.D.		
12] 1,1-Dichloroethene	2.19	96	589	0.076	ppb	96
13) Hexane	3.05	57	35037	3.183	ppb	97
14) Methylene chloride	2.61	84	5269	0.722	ppb	88
15) t-Butyl alcohol (TBA)	2.73	59	28625	27.314	ppb	52
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.83	96	33554	4.981	ppb	99
18) Diisopropyl ether (DIPE)	3.27	45	95	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.74	77	154	Below Cal		76
22] cis-1,2-Dichloroethene	3.67	96	404362	53.543	ppb	84
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	4.49	73	502	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	4.23	75	122	N.D.		
29) Carbon tetrachloride	4.19	117	93	N.D.		
31] Benzene	4.39	78	79101	2.881	ppb	95
32] Trichloroethene	4.93	95	61261	7.783	ppb	93
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	5.37	83	845	N.D.		
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

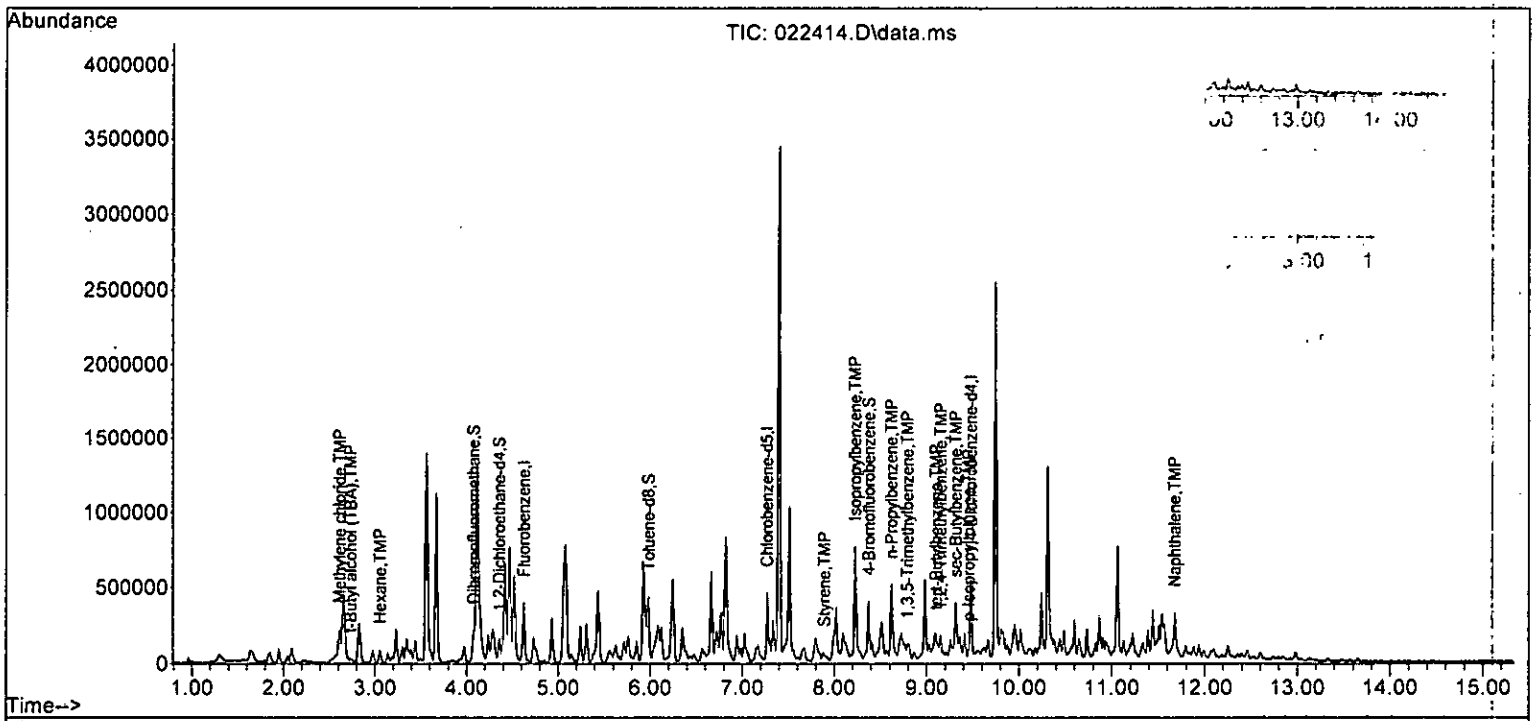
Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

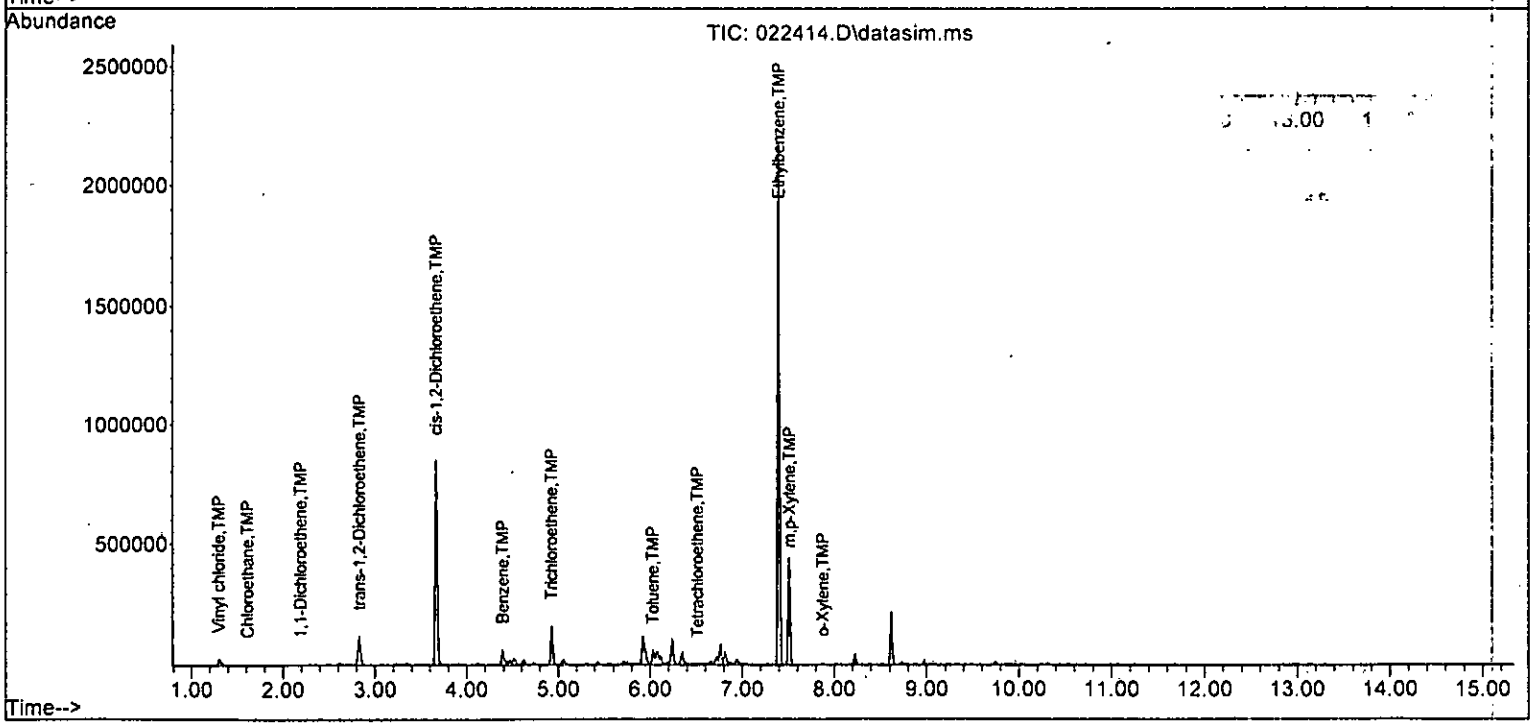
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.03	92	29710	1.690 ppb	97
41) trans-1,3-Dichloropropene	6.25	75	78	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D. d	
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	6.70	76	105	N.D.	
45] Tetrachloroethene	6.51	164	881	0.107 ppb	95
46) Dibromochloromethane	6.86	129	59	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D. d	
48) Chlorobenzene	7.29	112	527	N.D.	
49] Ethylbenzene	7.40	91	2196650	65.729 ppb	99
50) 1,1,1,2-Tetrachloroethane	7.37	131	51	Below Cal #	8
51] m,p-Xylene	7.52	106	209020	16.976 ppb #	75
52] o-Xylene	7.88	106	2948	0.224 ppb	100
53) Styrene	7.89	104	2543	0.129 ppb	67
54) Isopropylbenzene	8.23	105	405943	13.435 ppb	99
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.62	91	285369	8.153 ppb	95
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.79	105	24331	0.943 ppb	100
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d	
62) 1,2,3-Trichloropropane	8.56	75	255	N.D.	
63) 2-Chlorotoluene	0.00		0	N.D. d	
64) 4-Chlorotoluene	0.00		0	N.D. d	
65) tert-Butylbenzene	9.10	119	16776	0.698 ppb	89
66) 1,2,4-Trimethylbenzene	9.15	105	47735	1.782 ppb	97
67) sec-Butylbenzene	9.31	105	88215	2.608 ppb	89
68) p-Isopropyltoluene	9.46	119	14751	0.490 ppb	85
69) 1,3-Dichlorobenzene	9.41	146	509	N.D.	
70) 1,4-Dichlorobenzene	9.48	146	225	N.D.	
71) 1,2-Dichlorobenzene	9.86	146	432	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D. d	
73) 1,2,4-Trichlorobenzene	11.43	180	694	N.D.	
74) Hexachlorobutadiene	11.61	225	75	N.D.	
75) Naphthalene	11.68	128	138675	4.443 ppb	98
76) 1,2,3-Trichlorobenzene	11.91	180	622	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022414.D
Acq On : 24 Feb 2023 10:20 am
Operator : LM
Sample : 302300-04
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:28 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

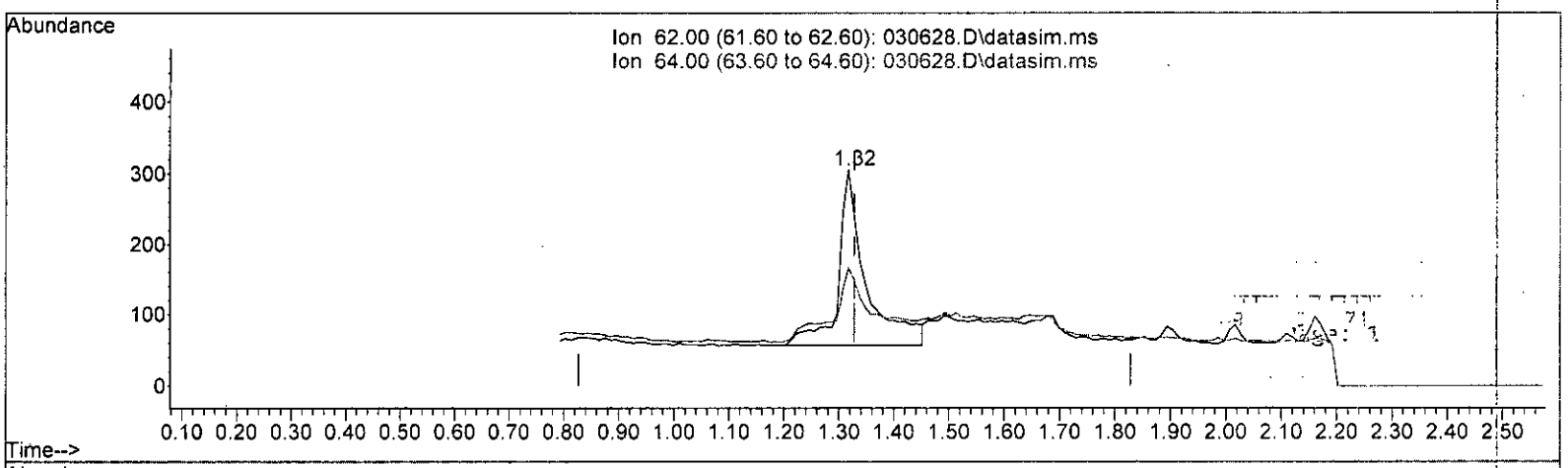


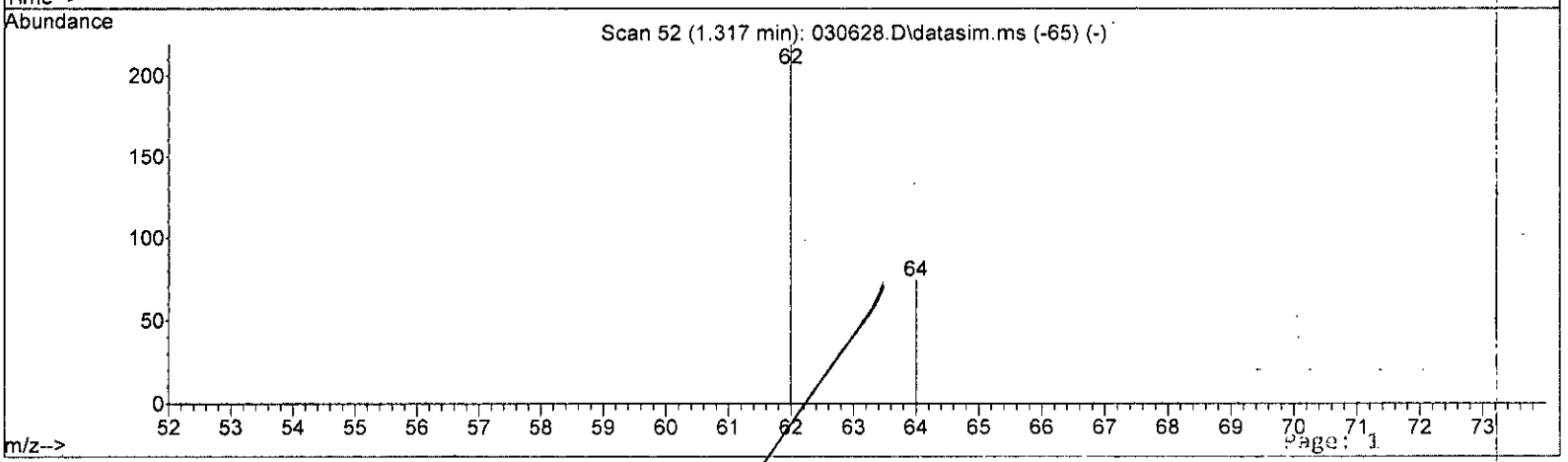


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(6) Vinyl chloride (TMP)

1.317min (-0.010) 0.363 ppb

response 862

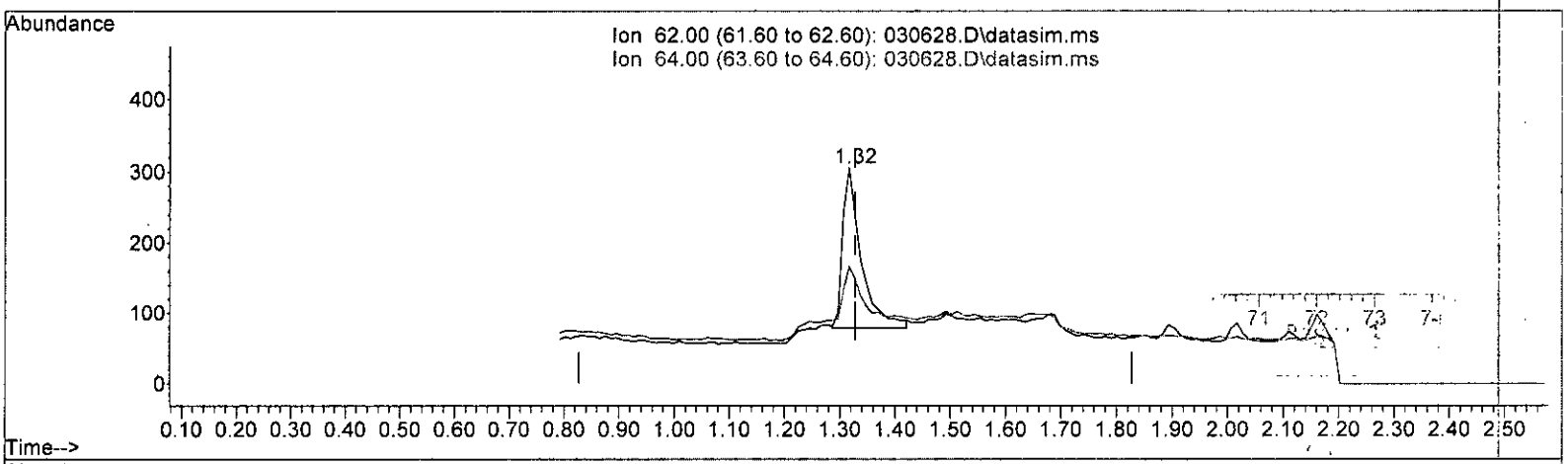
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	42.34
0.00	0.00	0.00
0.00	0.00	0.00

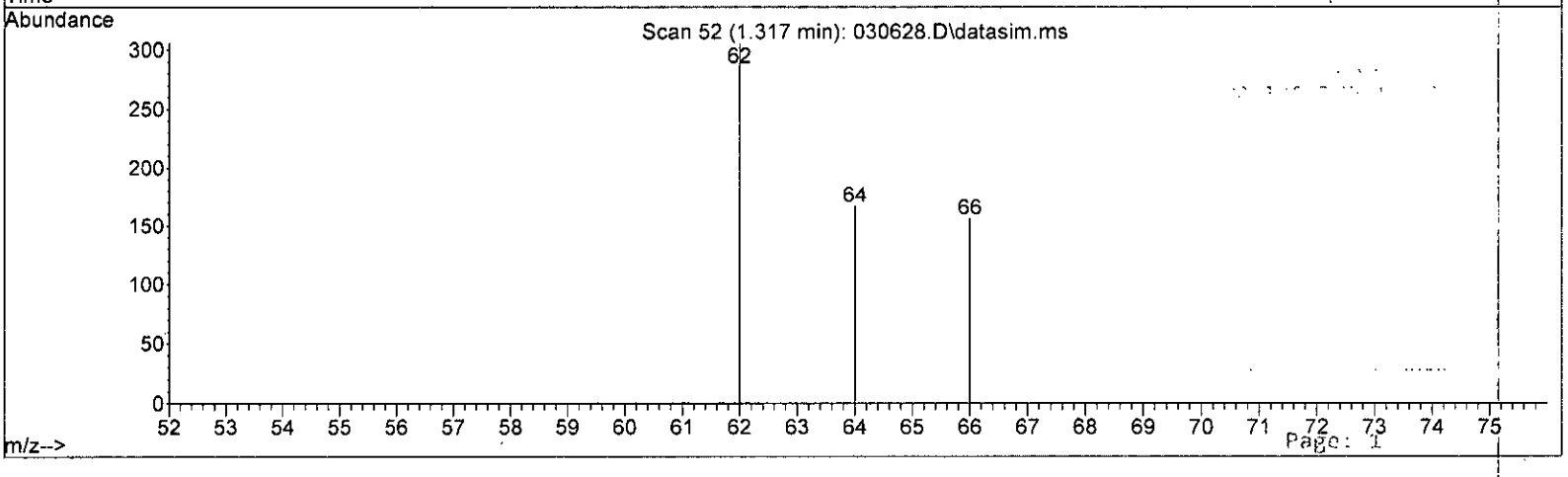
m 3/3

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(6) Vinyl chloride (TMP)

1.317min (-0.010) 0.228 ppb m

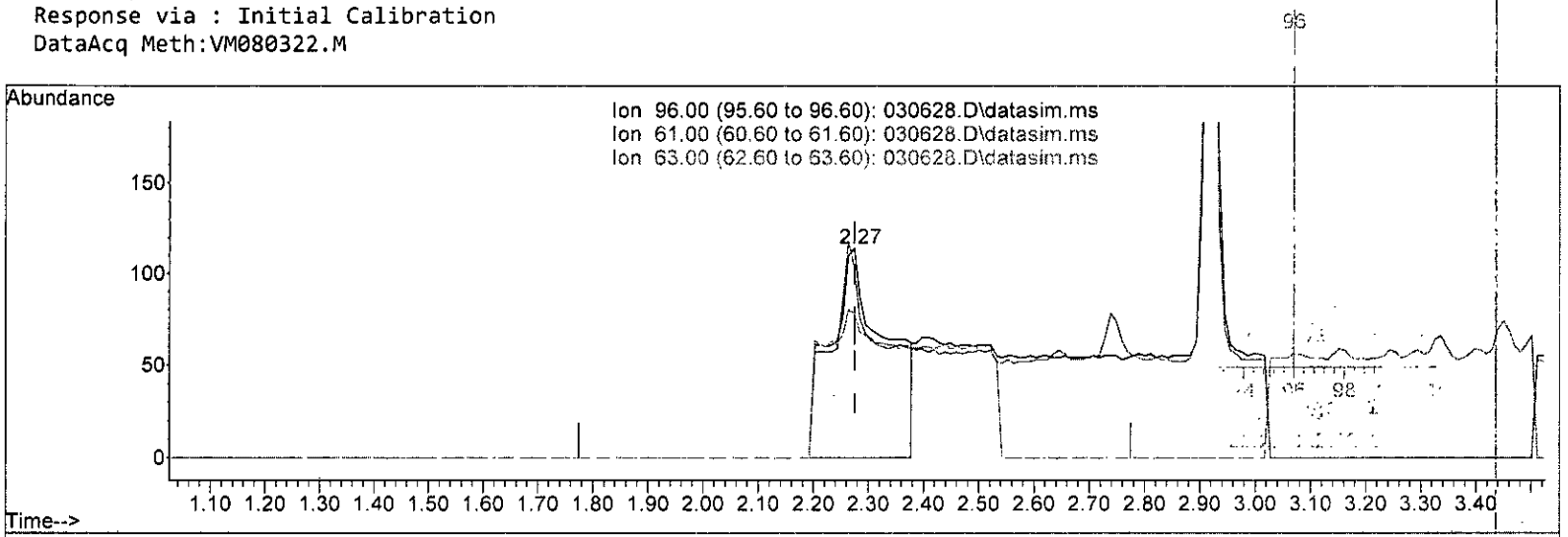
response 535

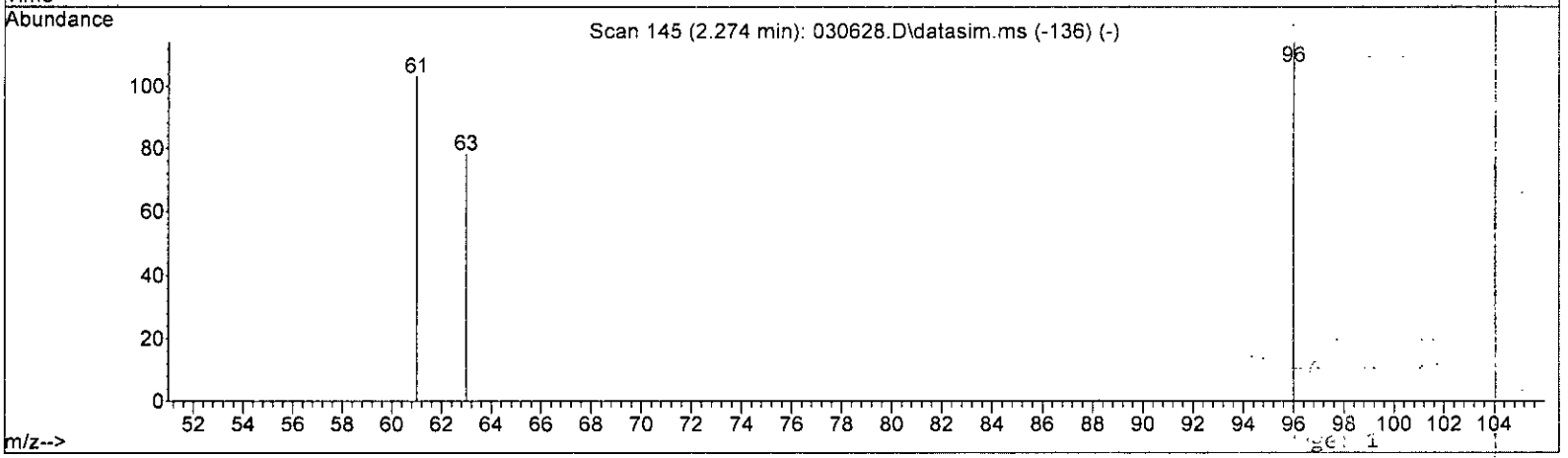
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	54.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.414 ppb

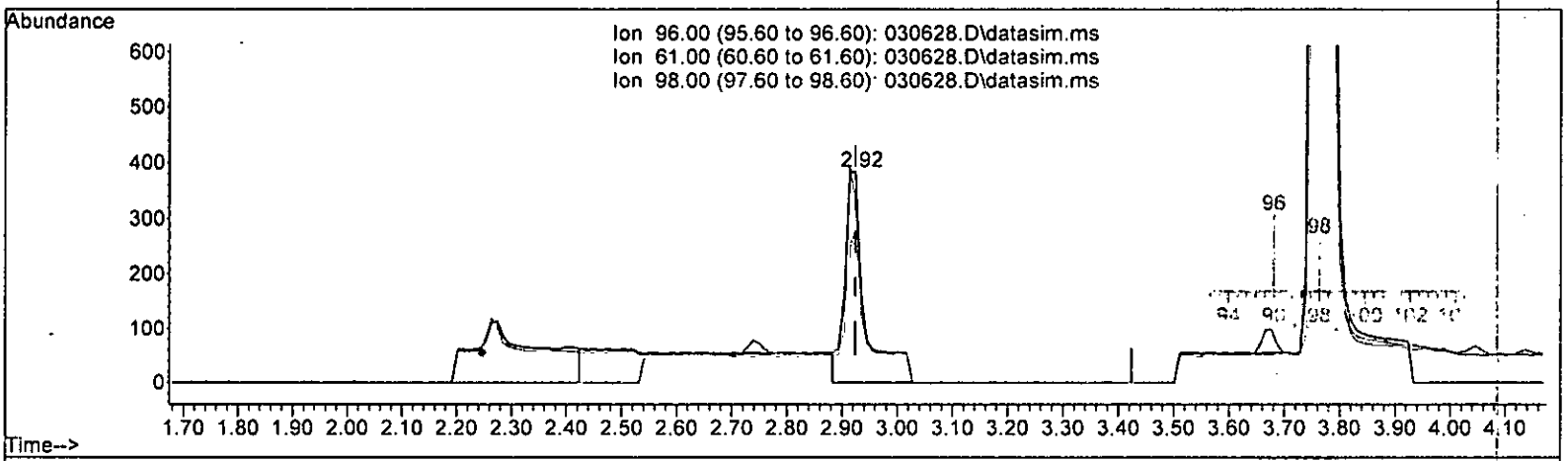
response 794

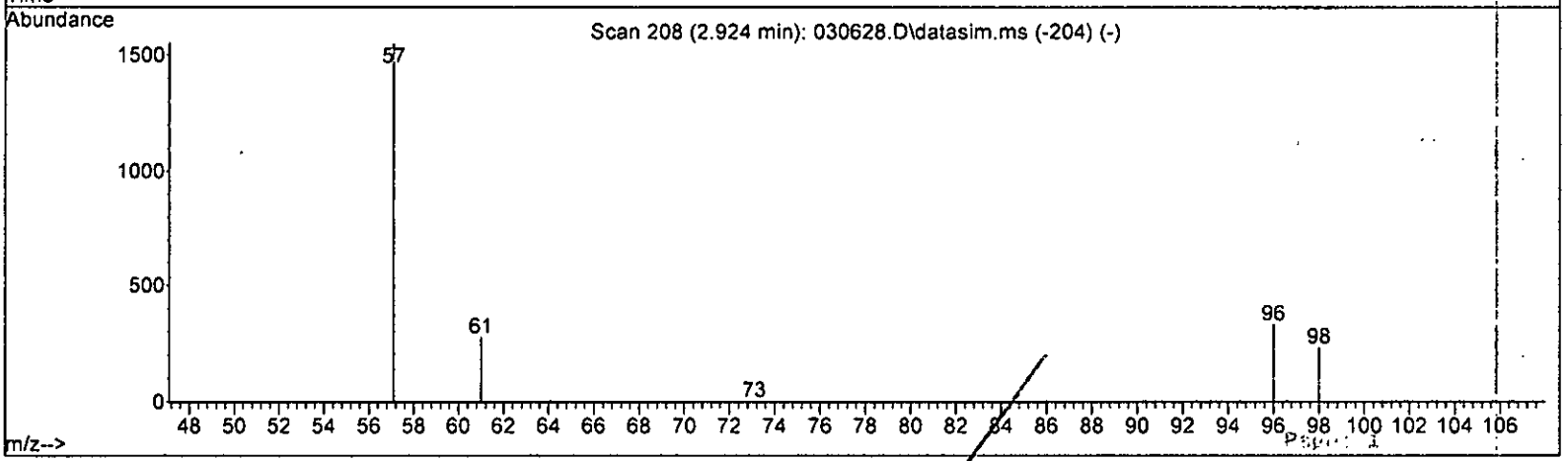
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	90.35
63.00	36.10	68.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

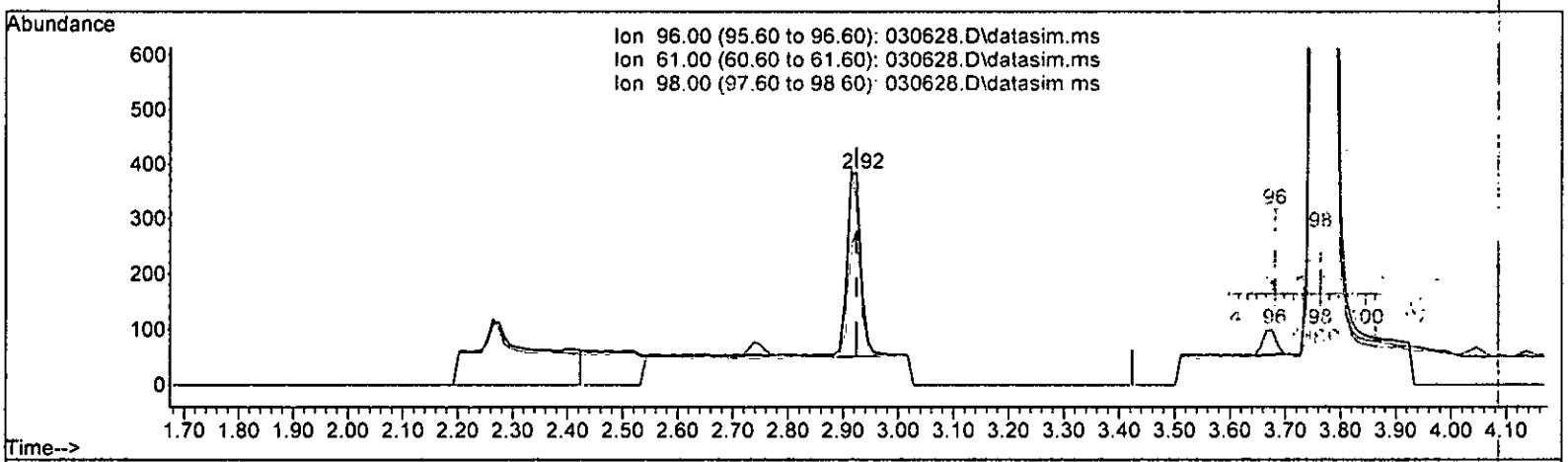
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.806 ppb
response 998

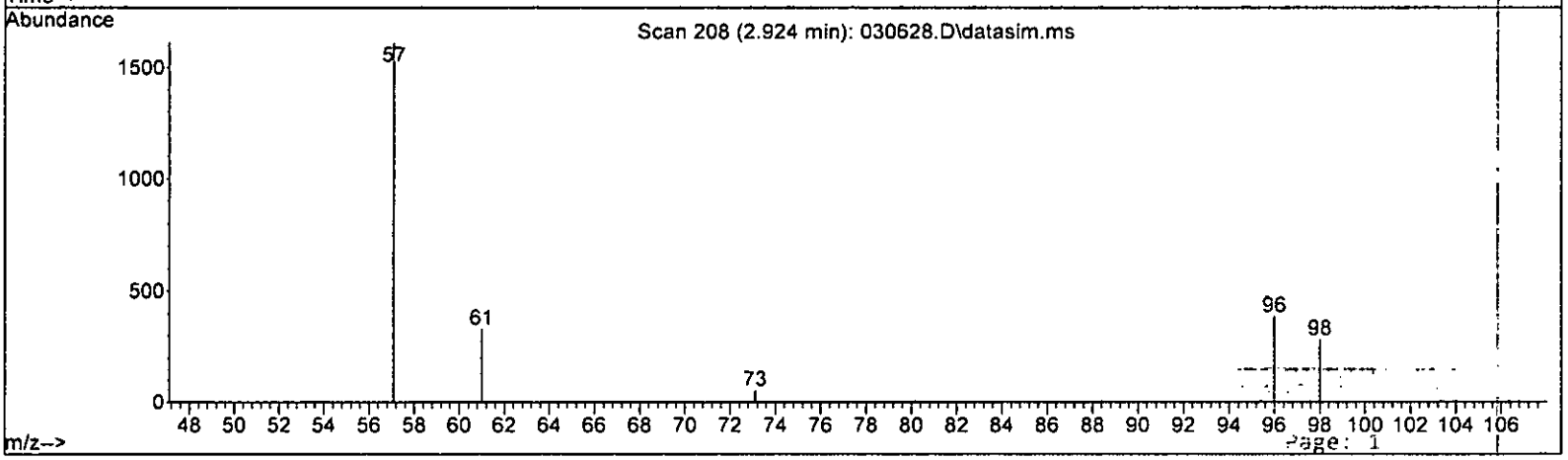
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	85.68
98.00	65.40	72.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.464 ppb m

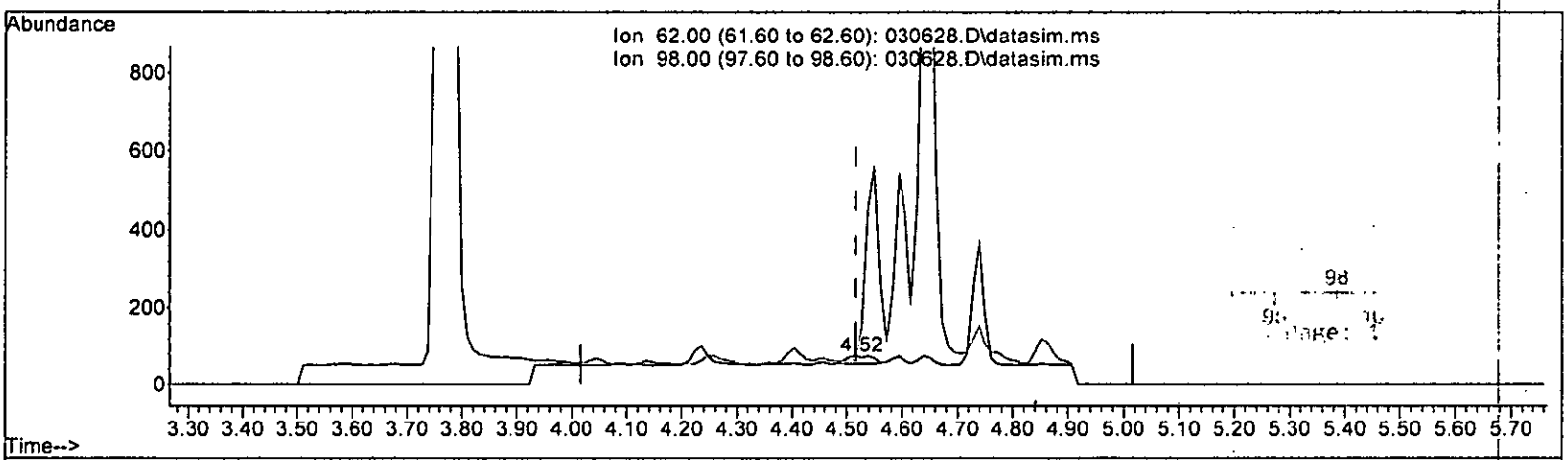
response 575

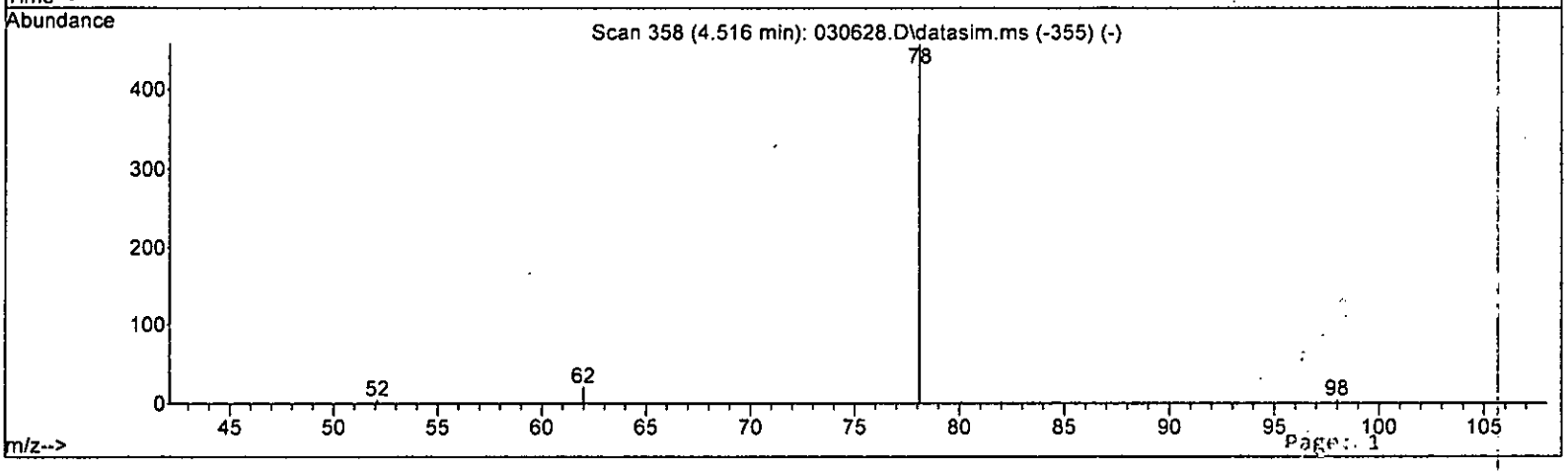
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	85.68
98.00	65.40	72.92
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Page: 1

TIC: 030628.D\data.ms

(26) 1,2-Dichloroethane (EDC) (TMP)

4.516min (-0.000) 0.033 ppb

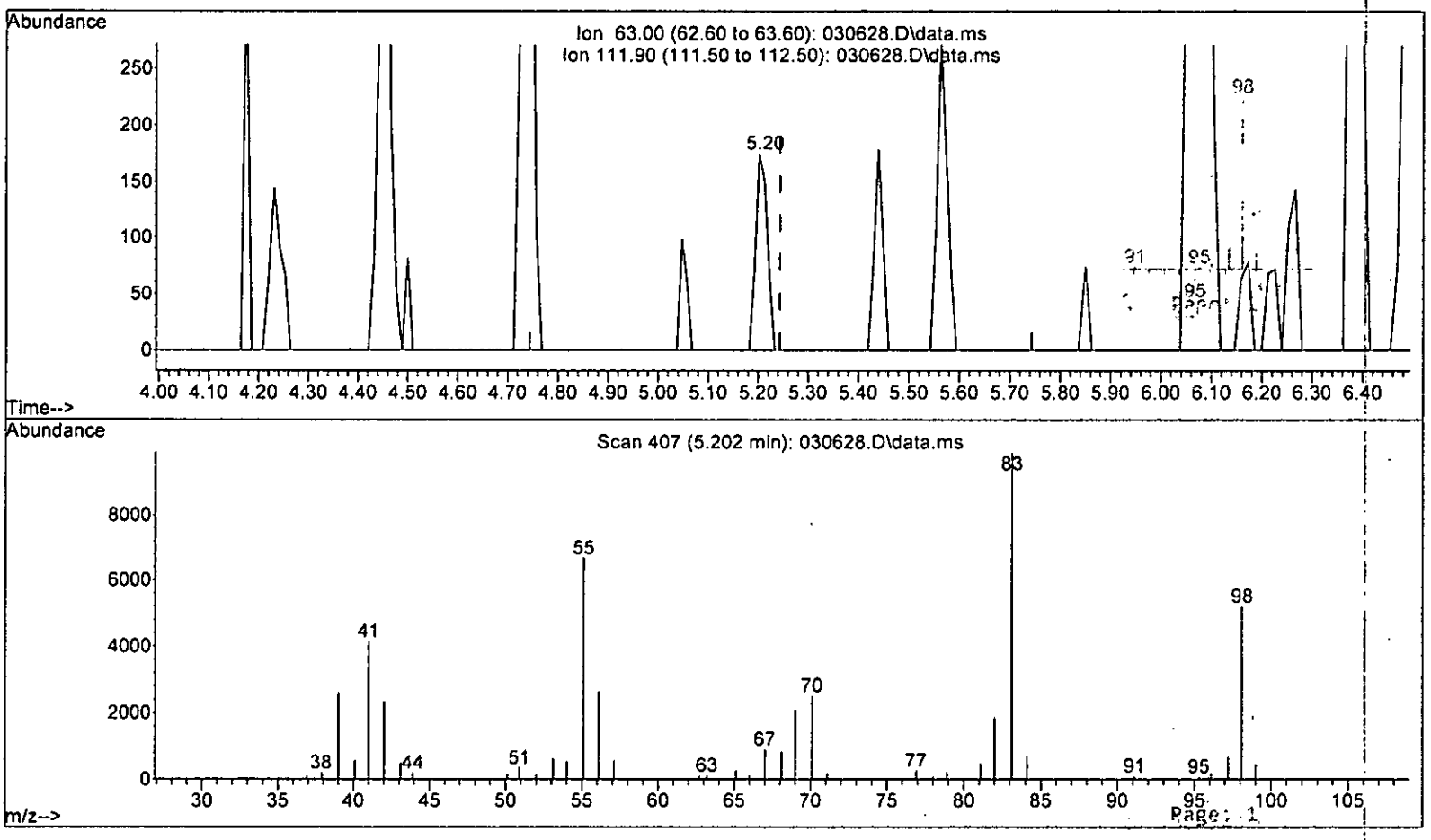
response 65

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	9.60	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030628.D\data.ms

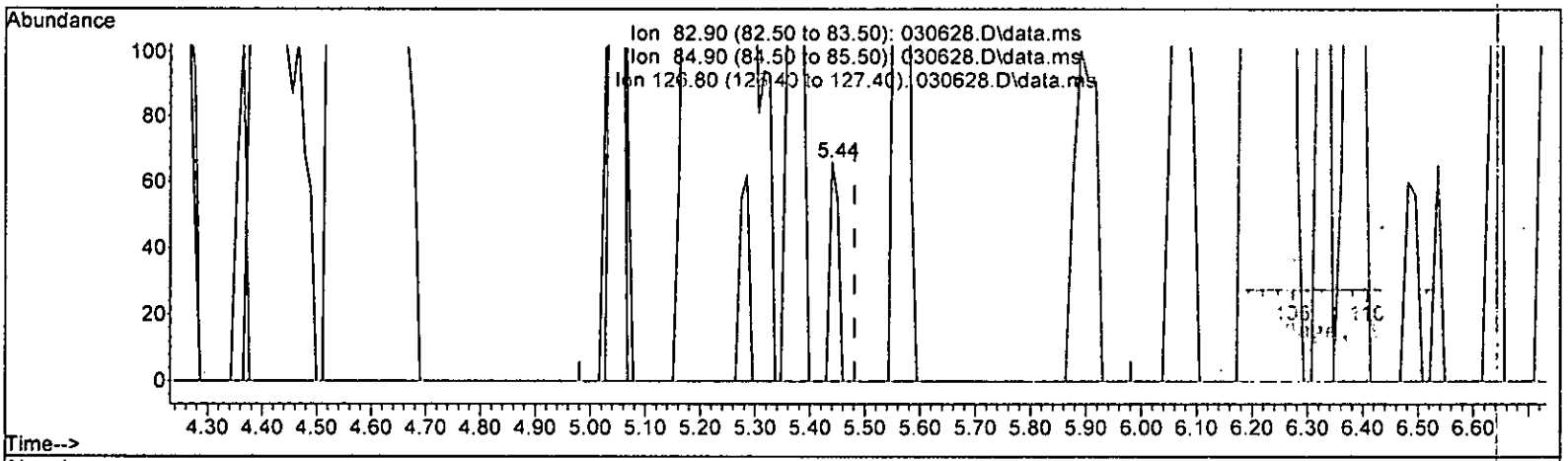
(33) 1,2-Dichloropropane (TMP)
5.202min (-0.042) 0.372 ppb
response 280

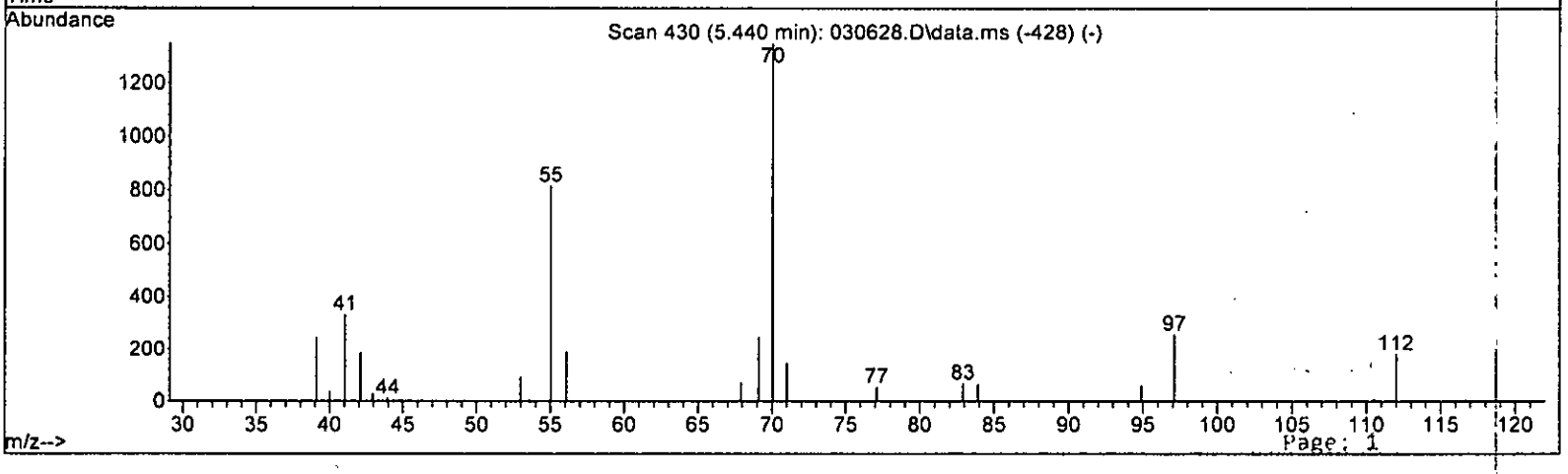
Ion	Exp%	Act%
63.00	100.00	100.00
111.90	6.80	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(34) Bromodichloromethane (TMP)

5.440min (-0.041) 0.118 ppb

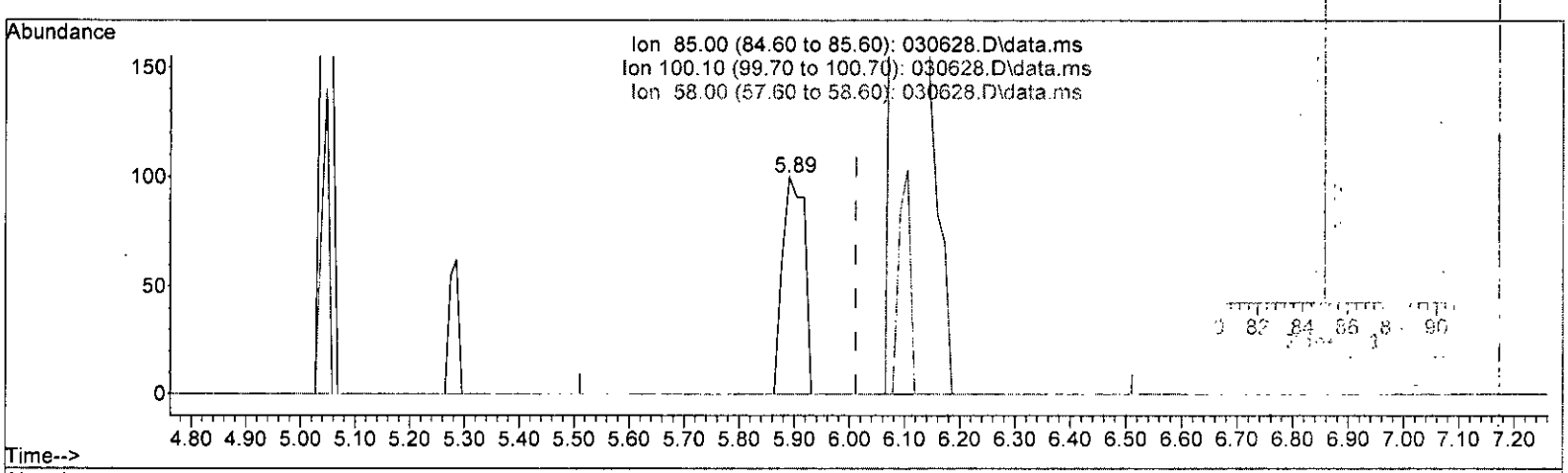
response 74

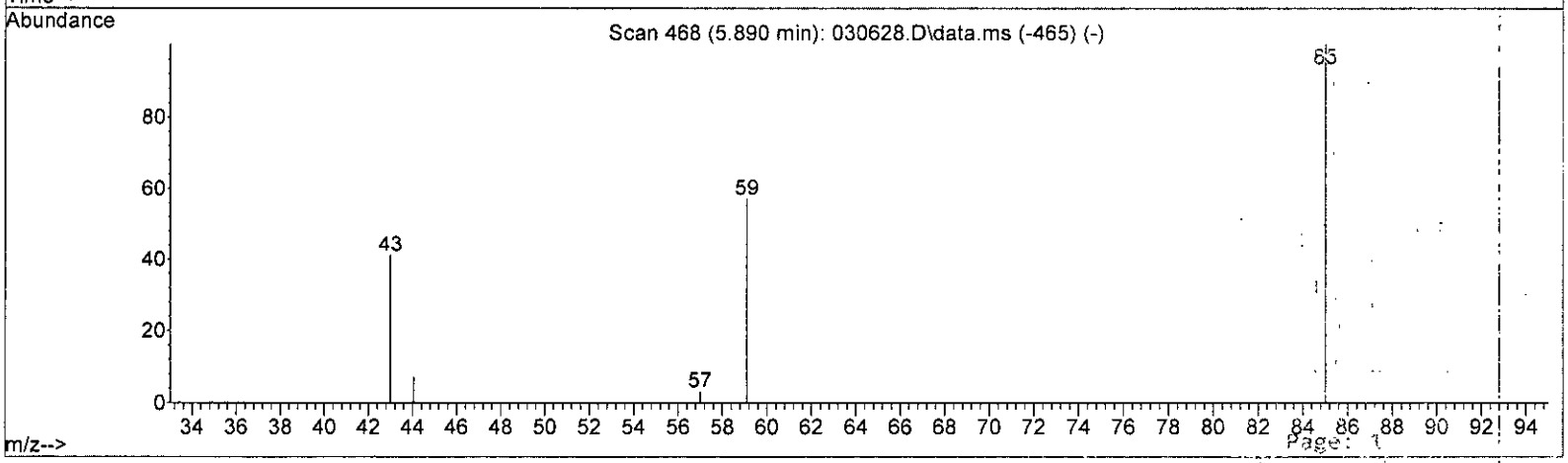
Ion	Exp%	Act%
82.90	100.00	100.00
84.90	66.60	0.00#
126.80	14.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

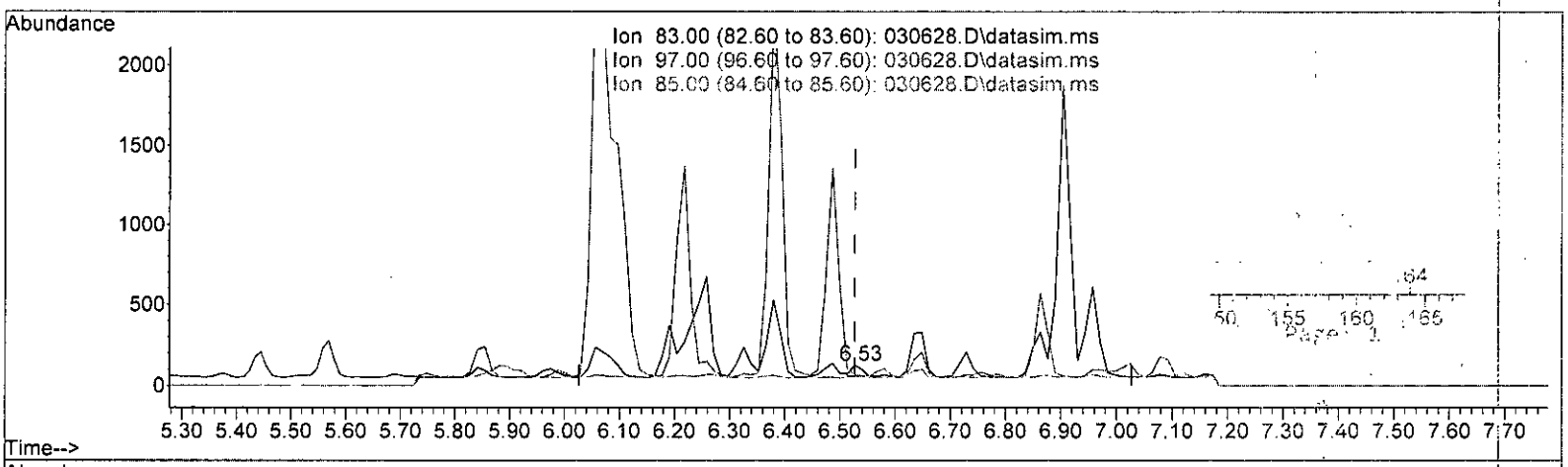
(37) 4-Methyl-2-pentanone (TMP)
5.890min (-0.121) 1.480 ppb
response 277

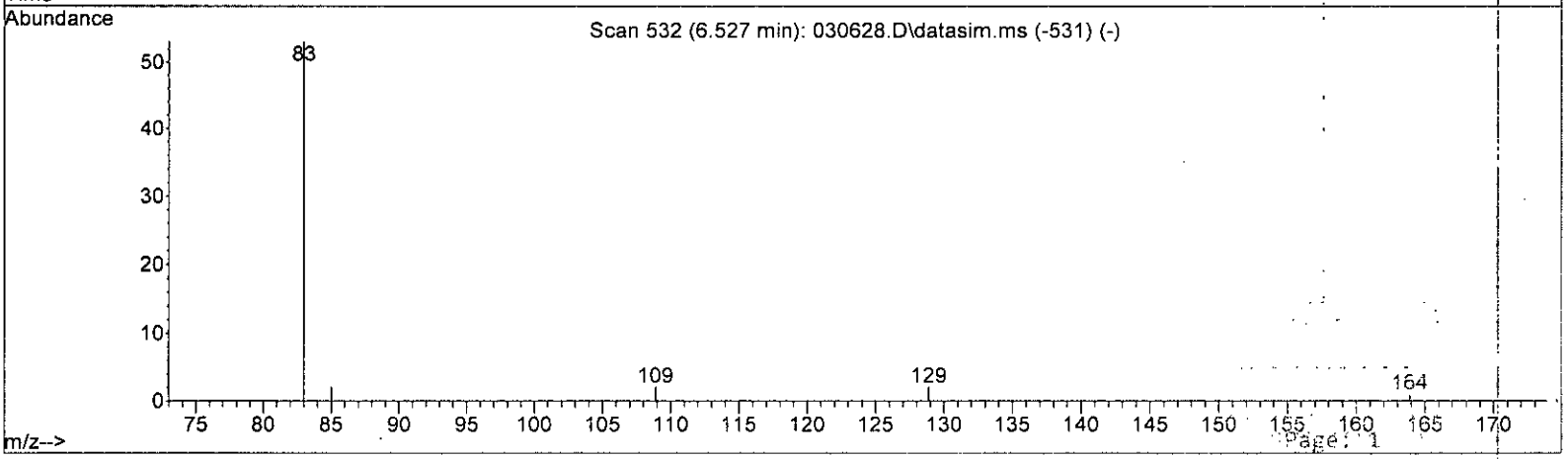
Ion	Exp%	Act%
85.00	100.00	100.00
100.10	93.20	0.00#
58.00	156.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030628.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.527min (-0.000) 0.110 ppb

response 88

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	162.50	0.00#
85.00	69.90	4.41#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

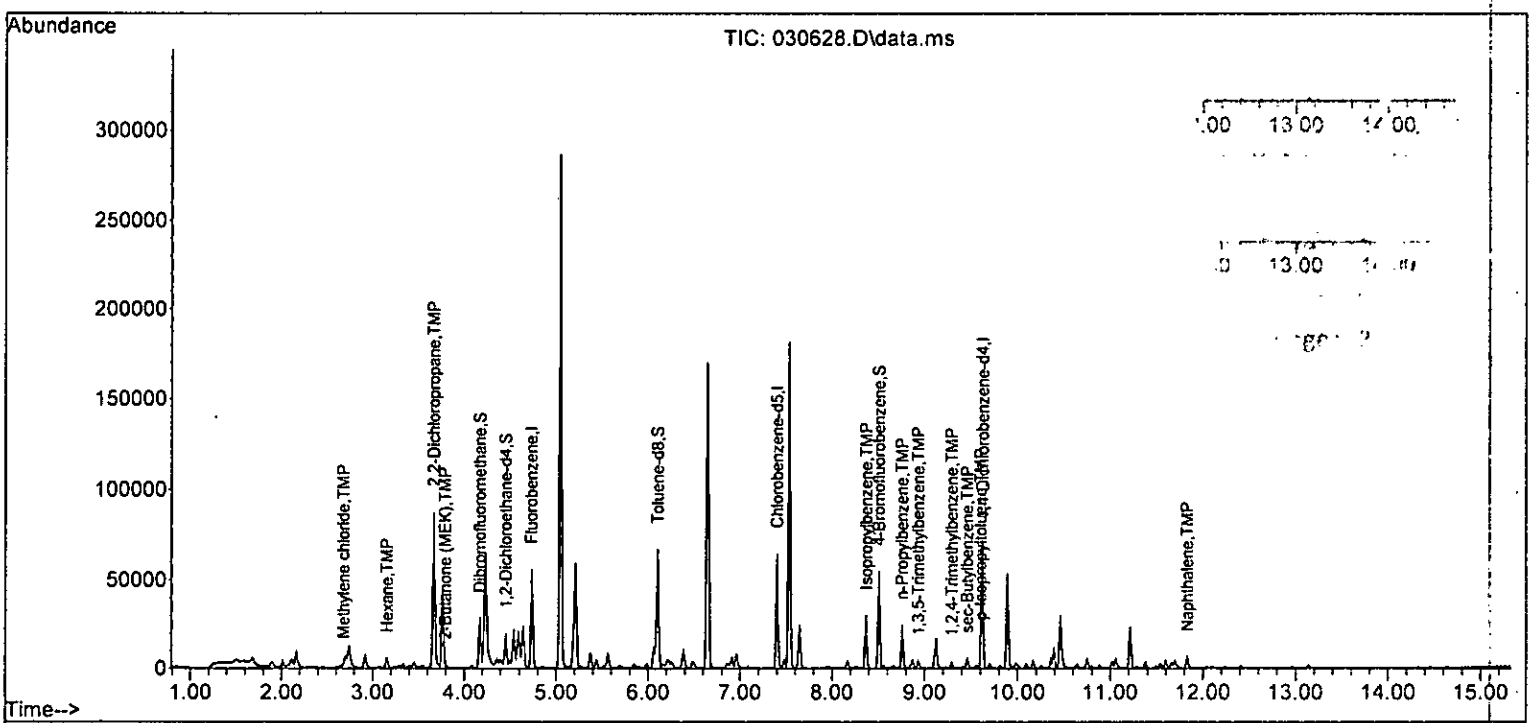
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	43547	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	39558	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21850	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	13790	10.142	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%				
30) 1,2-Dichloroethane-d4	4.45	102	2695	9.983	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 99.80%				
35) Toluene-d8	6.11	98	40862	10.077	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.80%				
57) 4-Bromofluorobenzene	8.51	95	13833	10.268	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 102.70%				
Target Compounds							Qvalue
6] Vinyl chloride	1.32	62	535m	0.228	ppb		
7) Bromomethane	1.55	94	666	Below Cal		#	3
13) Hexane	3.16	57	2228	2.219	ppb		90
14) Methylene chloride	2.68	84	532	0.773	ppb		87
17] trans-1,2-Dichloroethene	2.92	96	575m	0.464	ppb		
21) 2,2-Dichloropropane	3.67	77	439	0.485	ppb		45
22] cis-1,2-Dichloroethene	3.77	96	20230	15.391	ppb		88
24) 2-Butanone (MEK)	3.79	43	87	0.224	ppb		54
31] Benzene	4.50	78	2995	0.807	ppb		95
32] Trichloroethene	5.04	95	66732	48.860	ppb	#	73
40] Toluene	6.16	92	1007	0.348	ppb		99
45] Tetrachloroethene	6.65	164	42194	24.820	ppb		99
49] Ethylbenzene	7.54	91	114267	22.640	ppb		99
51] m,p-Xylene	7.65	106	6531	2.922	ppb		97
52] o-Xylene	8.01	106	206	0.090	ppb		79
54) Isopropylbenzene	8.37	105	19791	3.592	ppb		99
58) n-Propylbenzene	8.76	91	16940	3.270	ppb		100
60) 1,3,5-Trimethylbenzene	8.93	105	2377	0.559	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	1977	0.455	ppb		91
67) sec-Butylbenzene	9.46	105	3053	0.552	ppb		96
68) p-Isopropyltoluene	9.60	119	1268	0.233	ppb		94
75) Naphthalene	11.83	128	5772	1.510	ppb		99

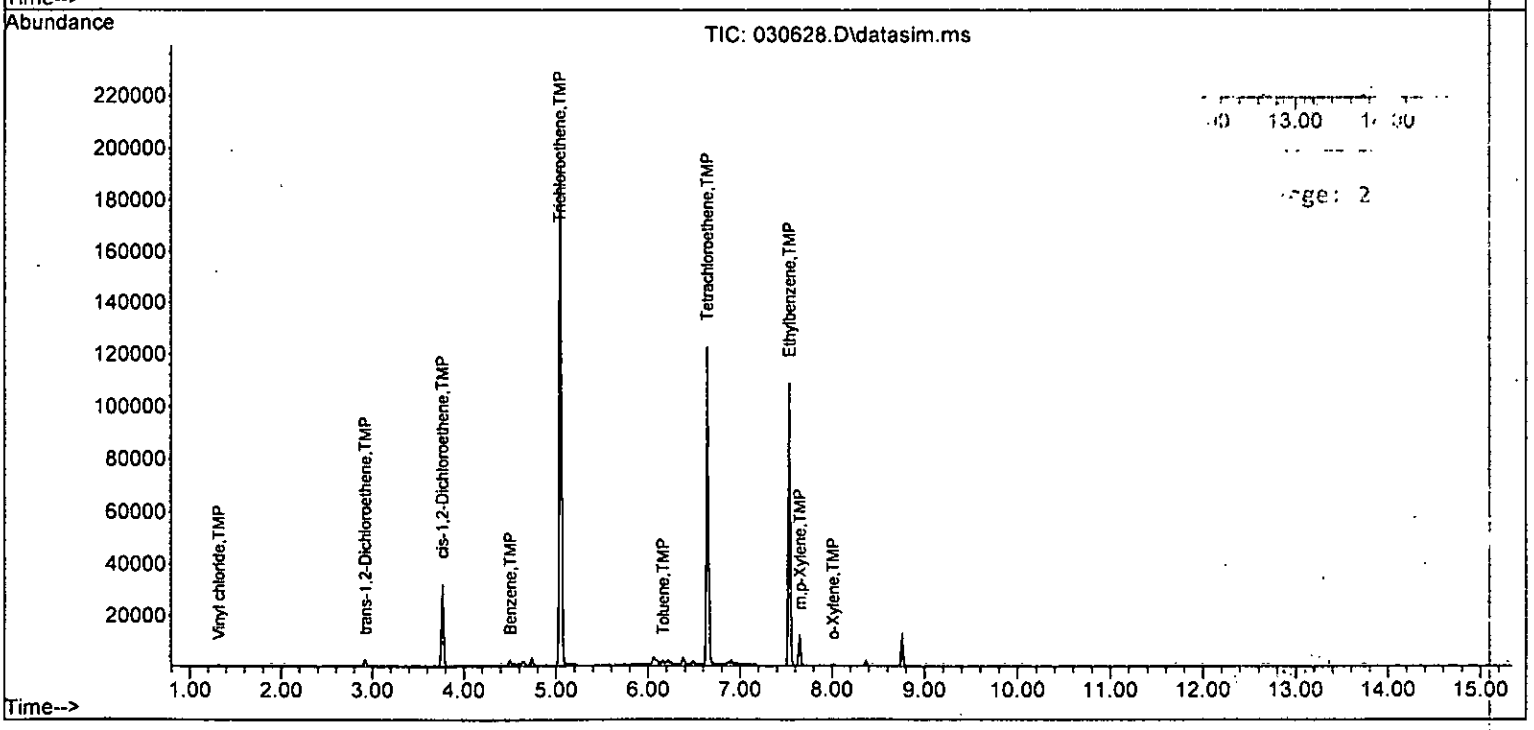
(#) = qualifier out of range (m) = manual integration (+) = signals summed

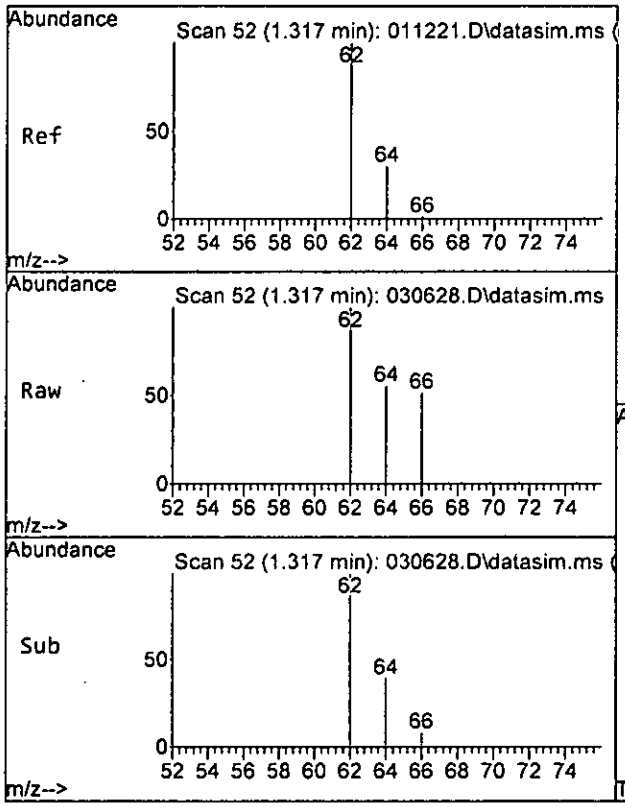
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



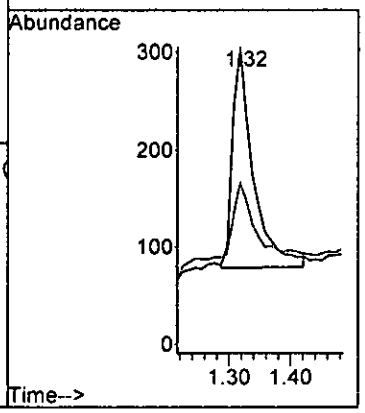


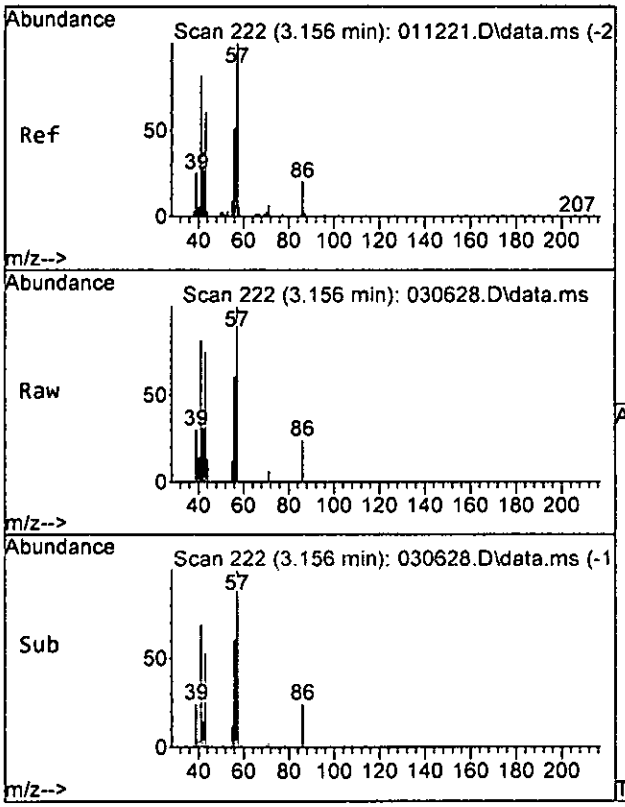


#6
Vinyl chloride
Concen: 0.228 ppb m
RT: 1.32 min Scan# 52
Delta R.T. -0.010 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 62 Resp: 535

Ion	Ratio	Lower	Upper
62	100		
64	54.8	4.8	64.8

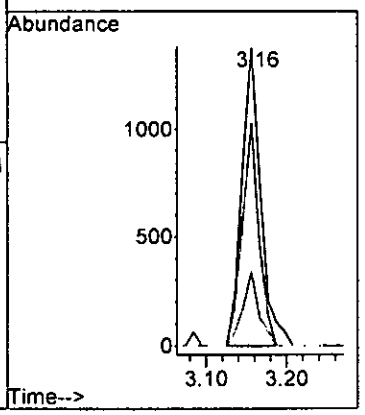


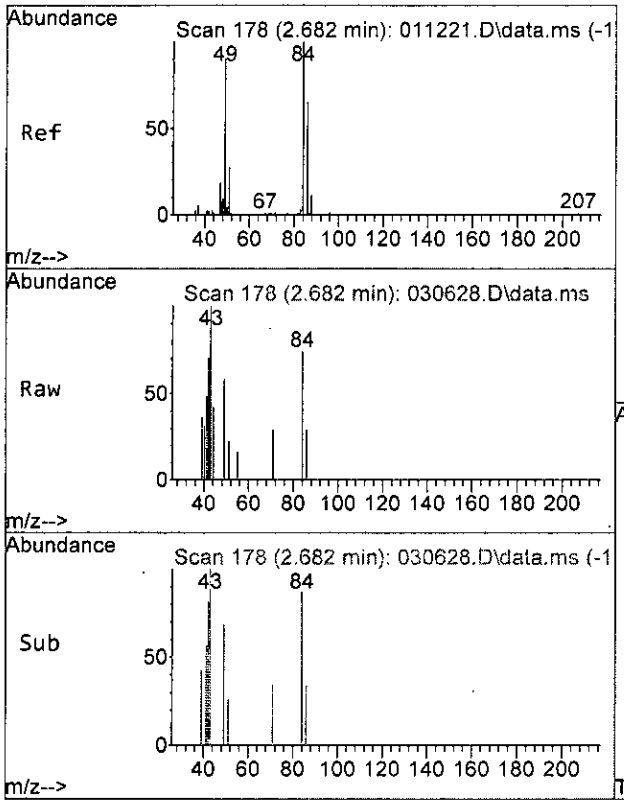


#13
Hexane
Concen: 2.219 ppb
RT: 3.16 min Scan# 222
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 57 Resp: 2228

Ion	Ratio	Lower	Upper
57	100		
43	74.2	36.2	96.2
86	24.4	0.0	49.9

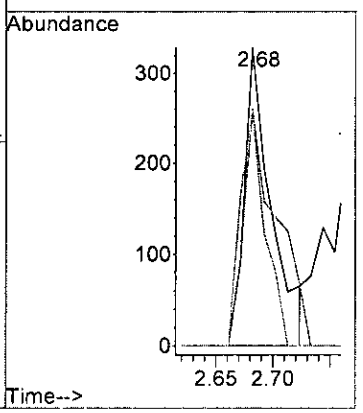


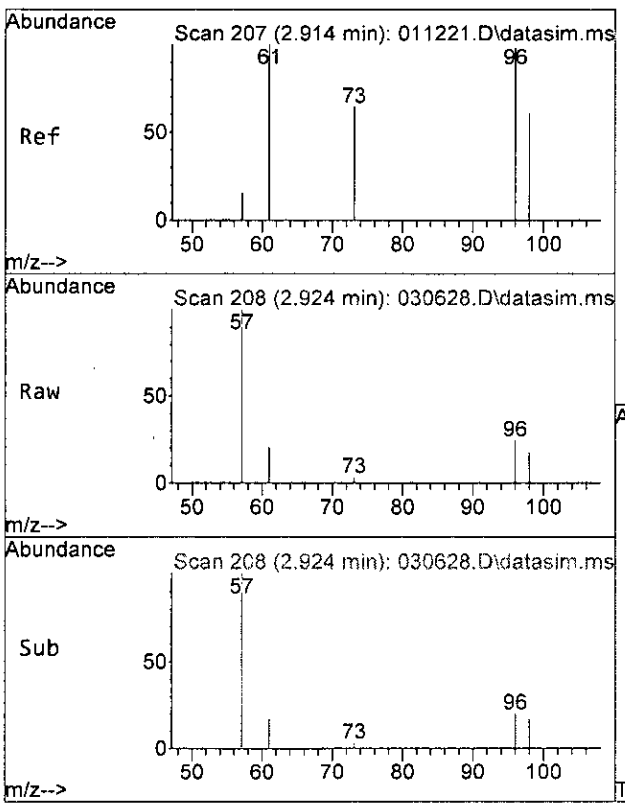


#14
Methylene chloride
Concen: 0.773 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 84 Resp: 532

Ion	Ratio	Lower	Upper
84	100		
86	79.0	35.3	95.3
49	78.7	57.8	117.8

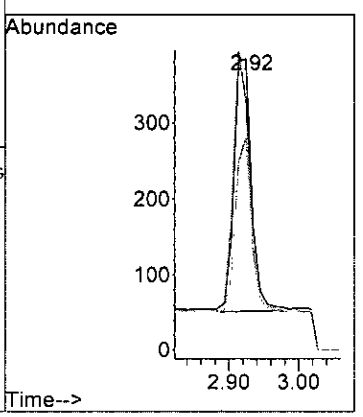


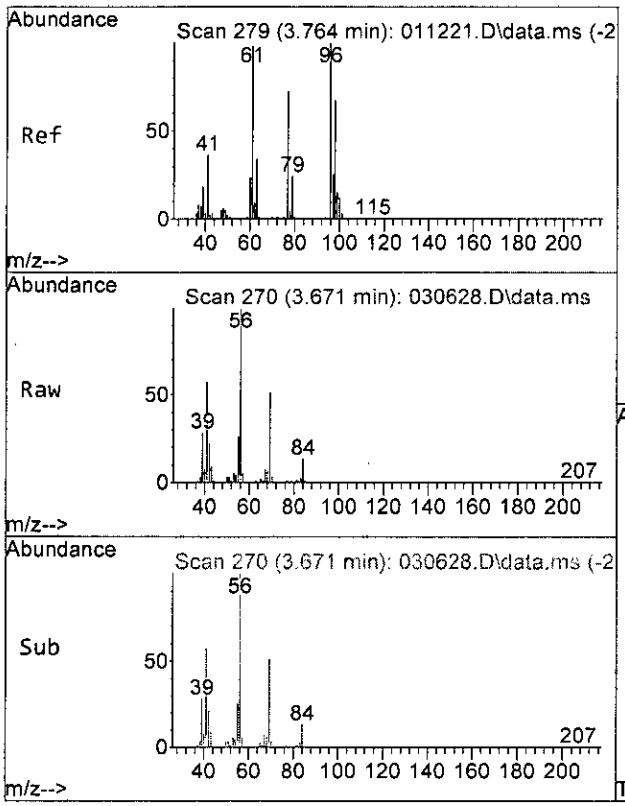


#17
trans-1,2-Dichloroethene
Concen: 0.464 ppb m
RT: 2.92 min Scan# 208
Delta R.T. 0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 96 Resp: 575

Ion	Ratio	Lower	Upper
96	100		
61	85.7	63.6	123.6
98	72.9	35.4	95.4

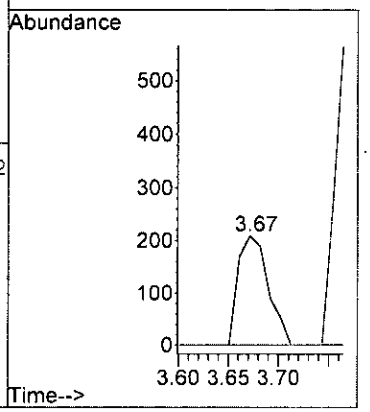


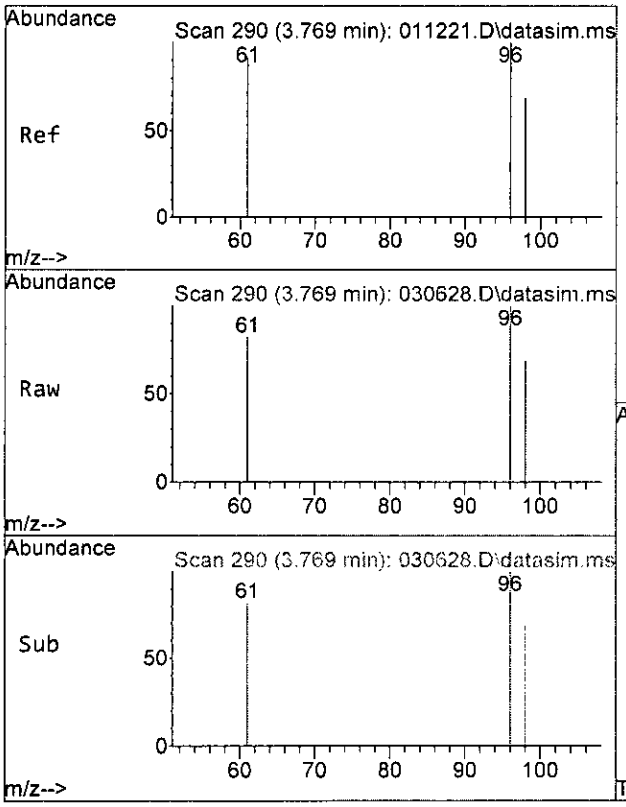


#21
2,2-Dichloropropane
Concen: 0.485 ppb
RT: 3.67 min Scan# 270
Delta R.T. -0.093 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 77 Resp: 439

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	59.7

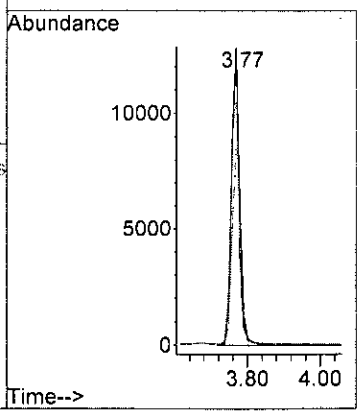


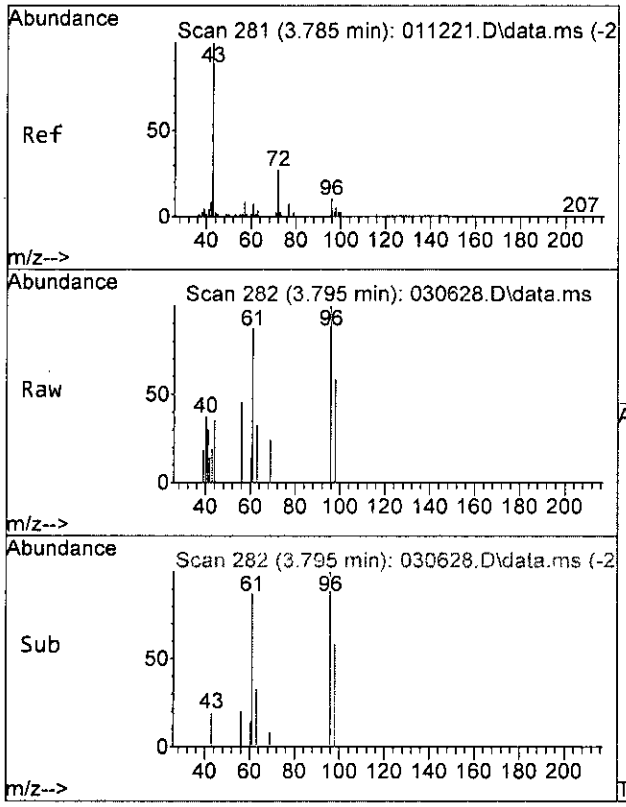


#22
cis-1,2-Dichloroethene
Concen: 15.391 ppb
RT: 3.77 min Scan# 290
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 96 Resp: 20230

Ion	Ratio	Lower	Upper
96	100		
61	81.5	66.4	126.4
98	68.0	33.0	93.0

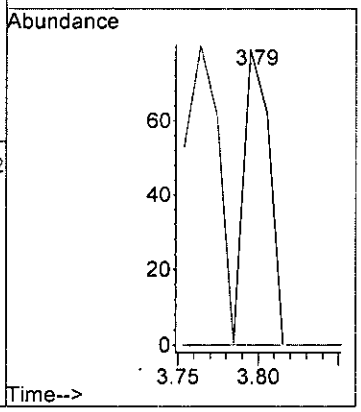


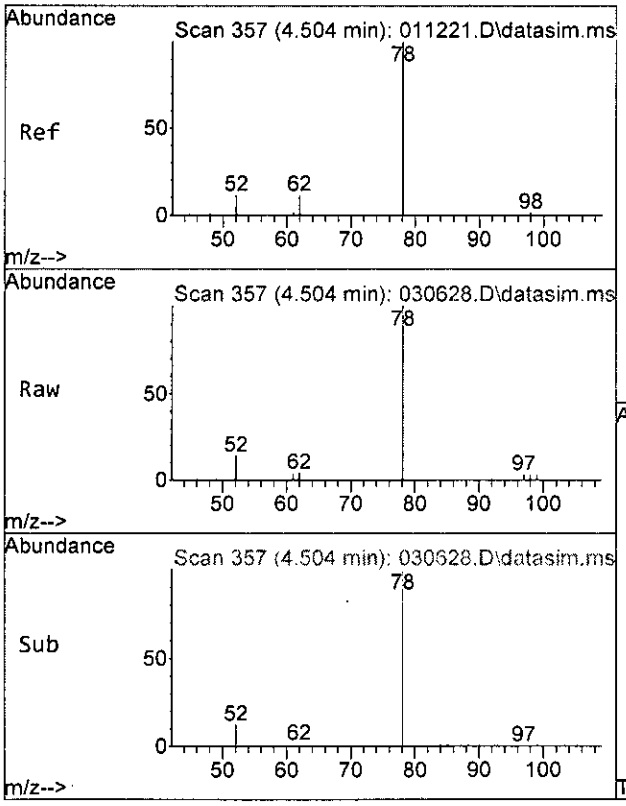


#24
2-Butanone (MEK)
Concen: 0.224 ppb
RT: 3.79 min Scan# 282
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 43 Resp: 87

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.1
57	0.0	0.0	27.4

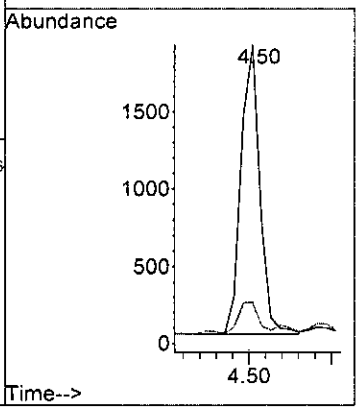


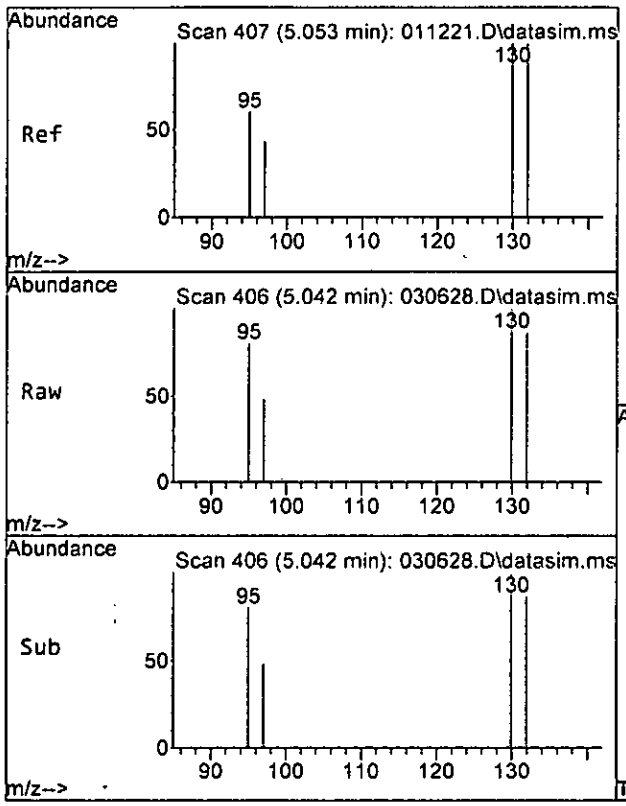


#31
Benzene
Concen: 0.807 ppb
RT: 4.50 min Scan# 357
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 78 Resp: 2995

Ion	Ratio	Lower	Upper
78	100		
52	10.2	0.0	42.2

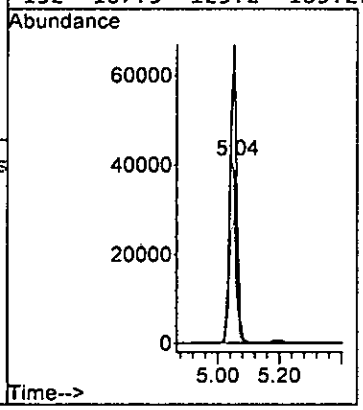


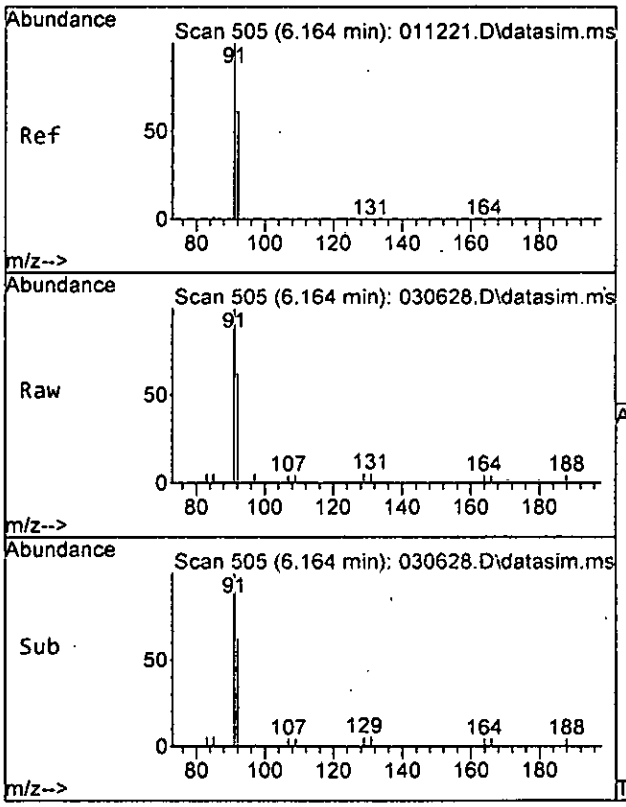


#32
Trichloroethene
Concen: 48.860 ppb
RT: 5.04 min Scan# 406
Delta R.T. -0.011 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 95 Resp: 66732

Ion	Ratio	Lower	Upper
95	100		
97	60.3	38.8	98.8
130	125.0	128.2	188.2#
132	107.5	125.2	185.2#

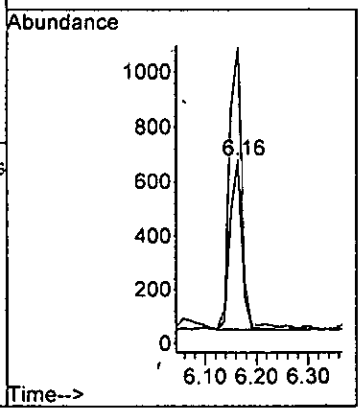


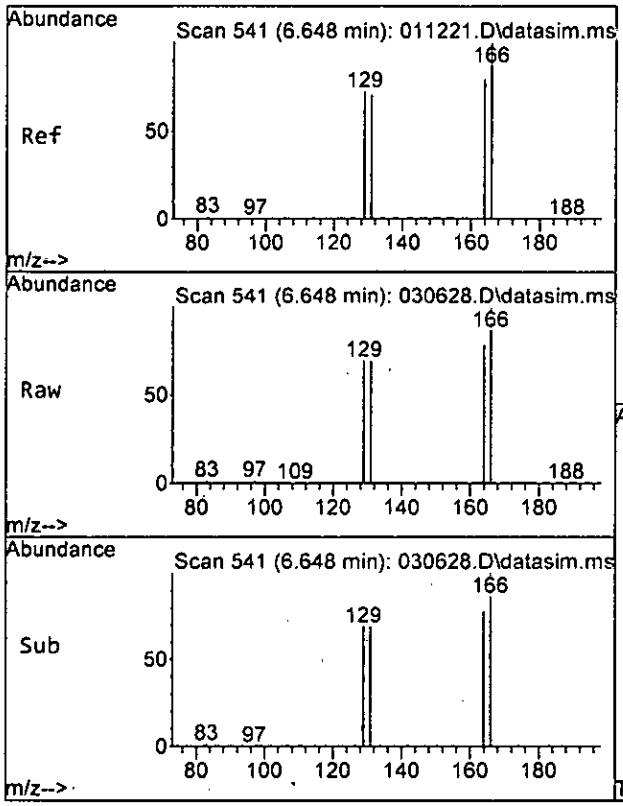


#40
Toluene
Concen: 0.348 ppb
RT: 6.16 min Scan# 505
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 92 Resp: 1007

Ion	Ratio	Lower	Upper
92	100		
91	165.2	134.0	194.0

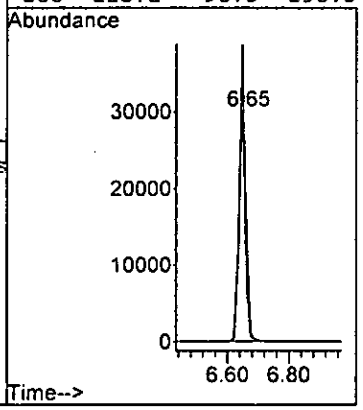


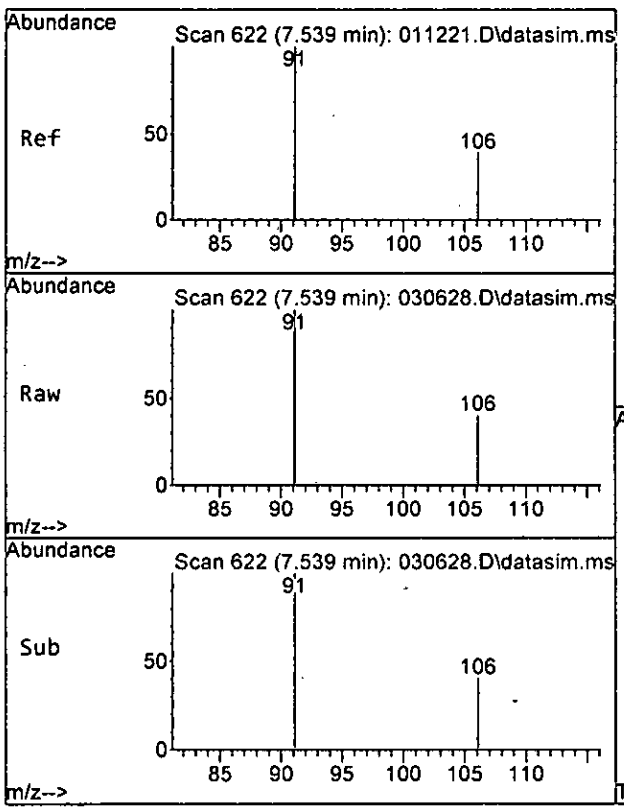


#45
Tetrachloroethene
Concen: 24.820 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:164 Resp: 42194

Ion	Ratio	Lower	Upper
164	100		
129	88.8	59.5	119.5
131	88.5	58.6	118.6
166	128.2	96.5	156.5

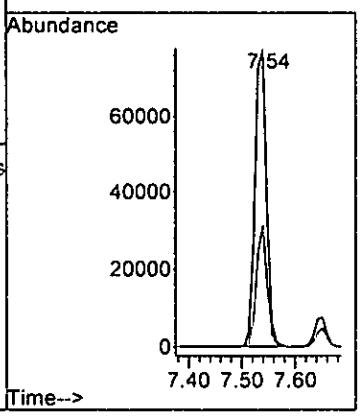


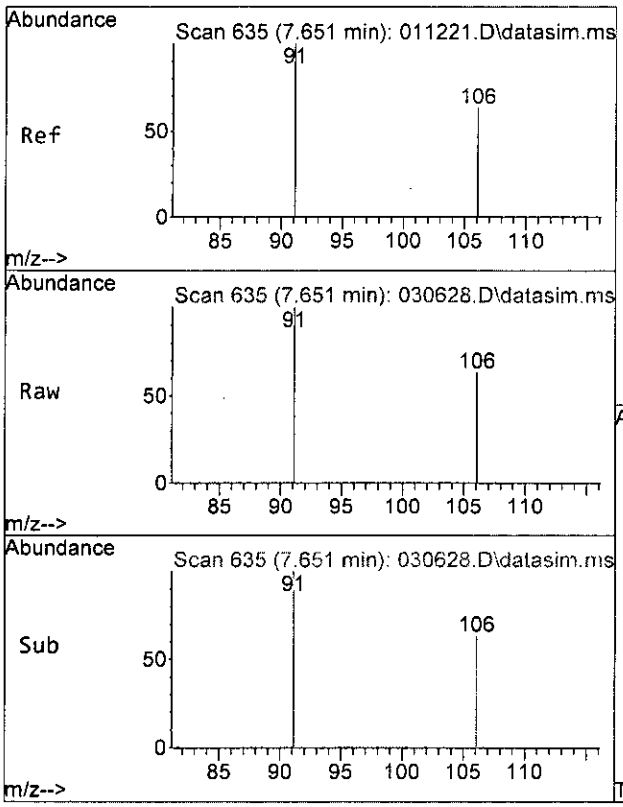


#49
Ethylbenzene
Concen: 22.640 ppb
RT: 7.54 min Scan# 622
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 91 Resp: 114267

Ion	Ratio	Lower	Upper
91	100		
106	40.2	9.5	69.5

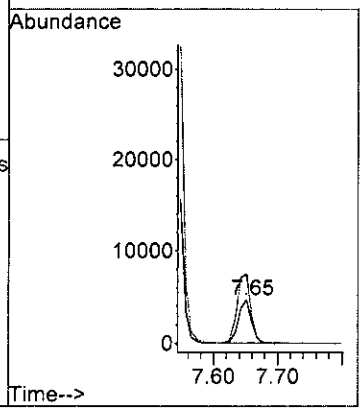


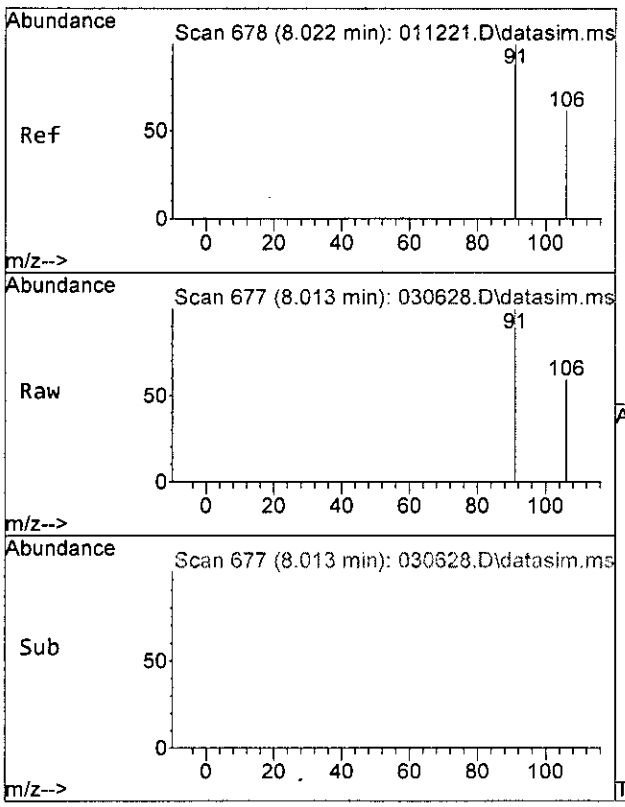


#51
m,p-Xylene
Concen: 2.922 ppb
RT: 7.65 min Scan# 635
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:106 Resp: 6531

Ion	Ratio	Lower	Upper
106	100		
91	160.2	126.4	186.4

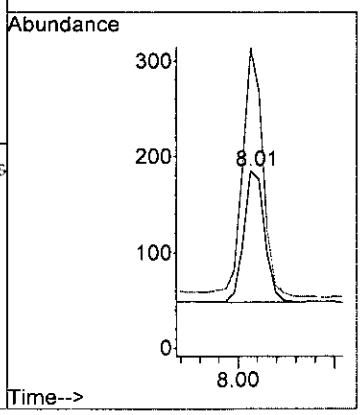


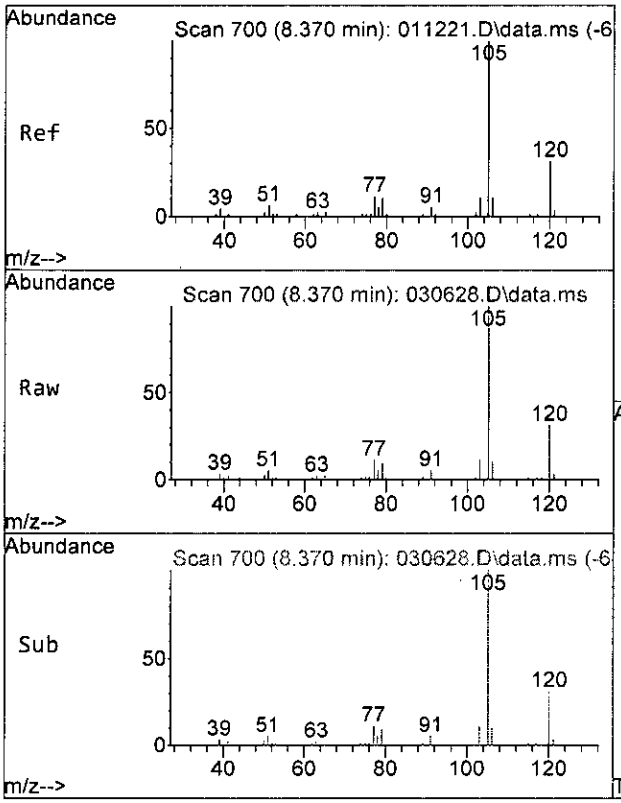


#52
o-Xylene
Concen: 0.090 ppb
RT: 8.01 min Scan# 677
Delta R.T. -0.009 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:106 Resp: 206

Ion	Ratio	Lower	Upper
106	100		
91	189.8	132.2	192.2

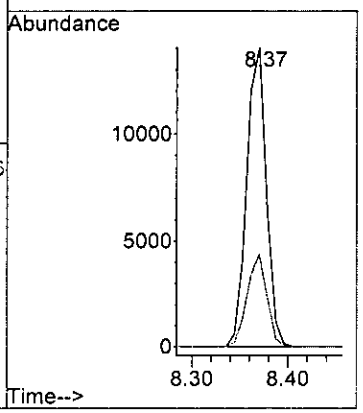


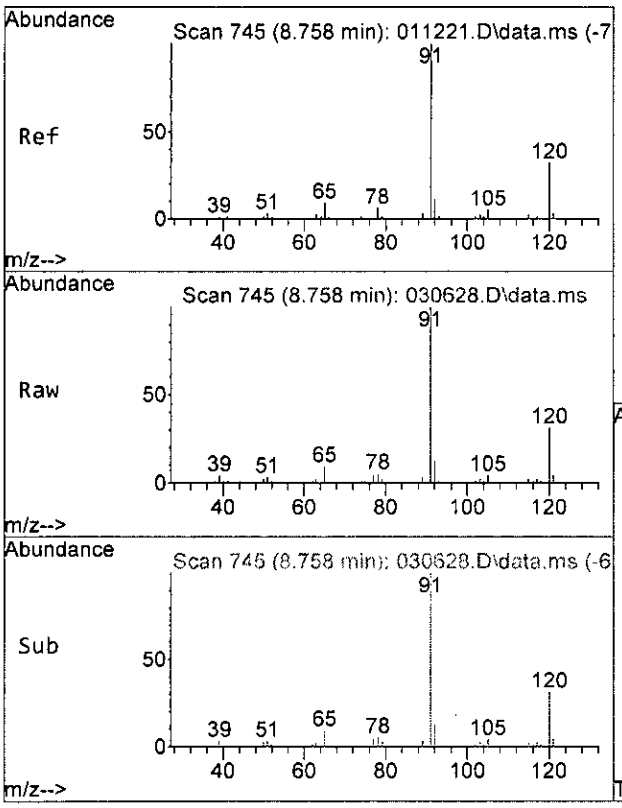


#54
Isopropylbenzene
Concen: 3.592 ppb
RT: 8.37 min Scan# 700
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:105 Resp: 19791

Ion	Ratio	Lower	Upper
105	100		
120	31.2	1.7	61.7

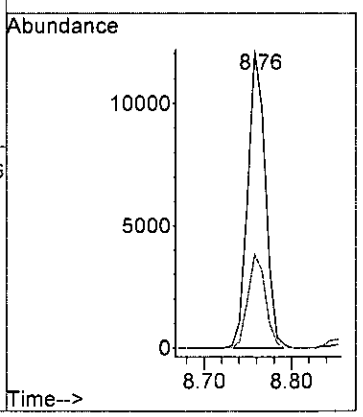


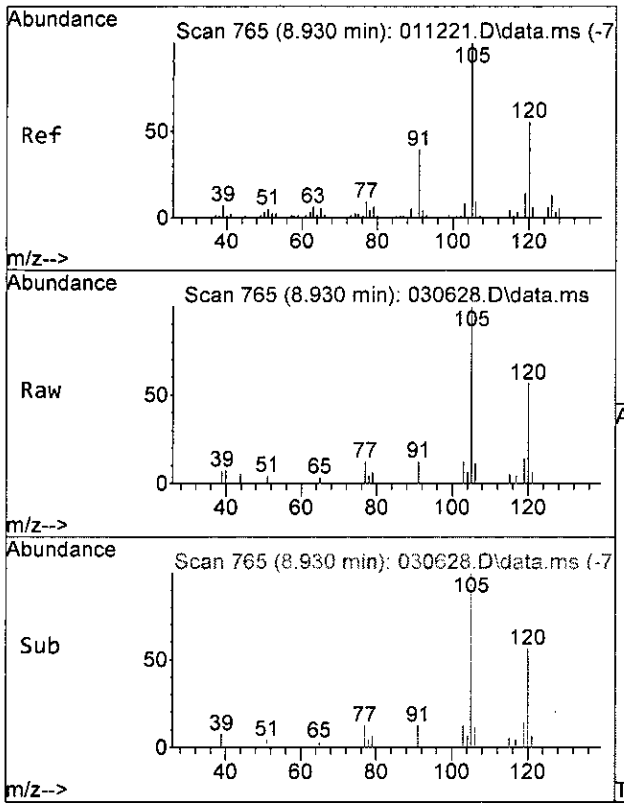


#58
n-Propylbenzene
Concen: 3.270 ppb
RT: 8.76 min Scan# 745
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion: 91 Resp: 16940

Ion	Ratio	Lower	Upper
91	100		
120	31.5	1.7	61.7

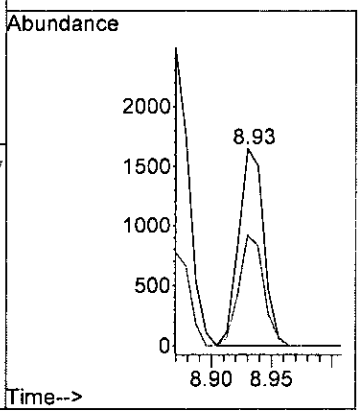


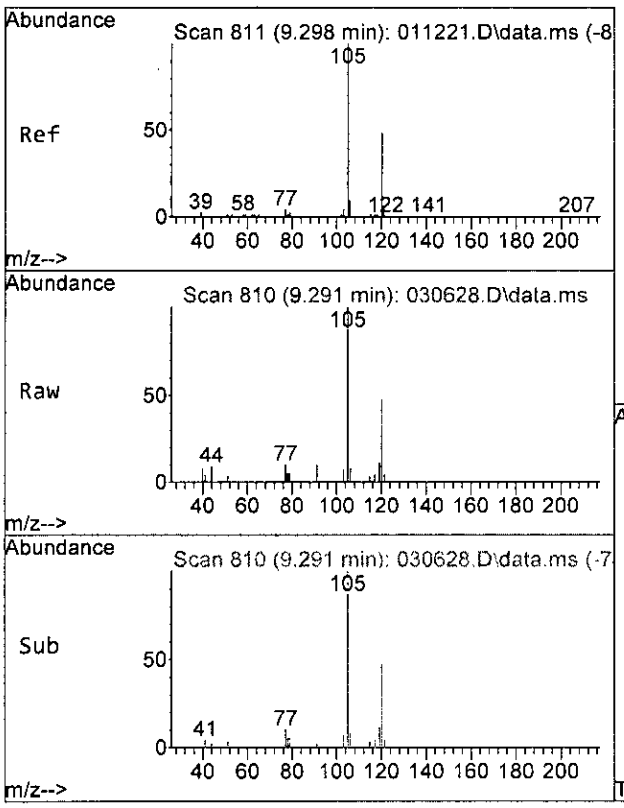


#60
1,3,5-Trimethylbenzene
Concen: 0.559 ppb
RT: 8.93 min Scan# 765
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:105 Resp: 2377

Ion	Ratio	Lower	Upper
105	100		
120	55.9	26.3	86.3

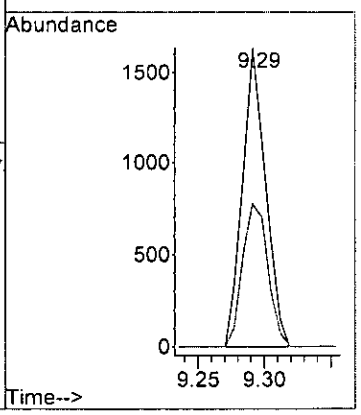


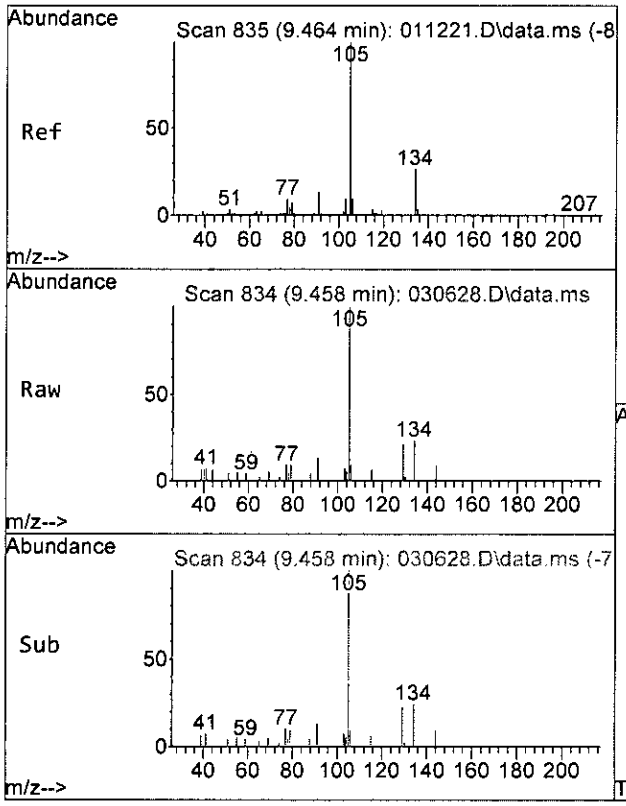


#66
1,2,4-Trimethylbenzene
Concen: 0.455 ppb
RT: 9.29 min Scan# 810
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:105 Resp: 1977

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.6	83.6

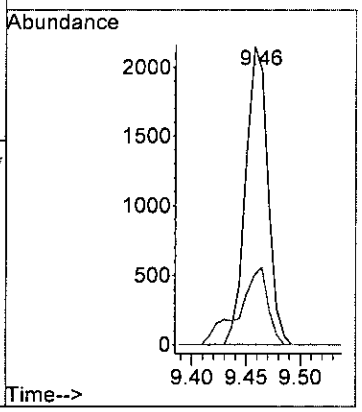


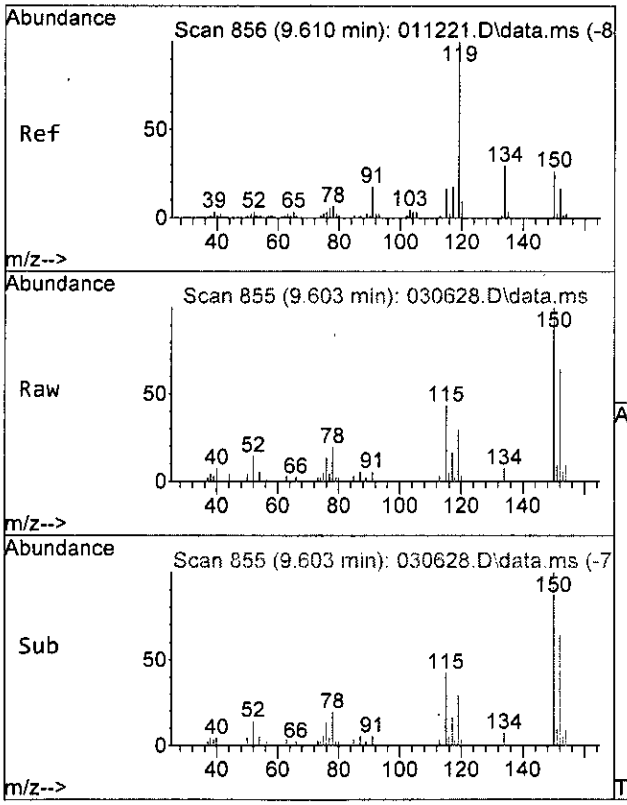


#67
sec-Butylbenzene
Concen: 0.552 ppb
RT: 9.46 min Scan# 834
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:105 Resp: 3053

Ion	Ratio	Lower	Upper
105	100		
134	23.3	0.0	55.1

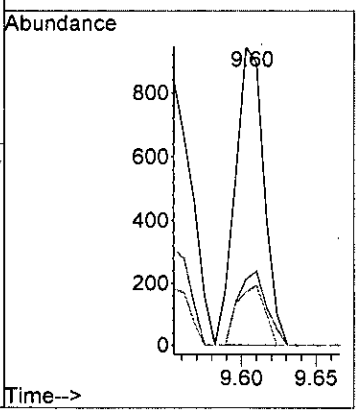


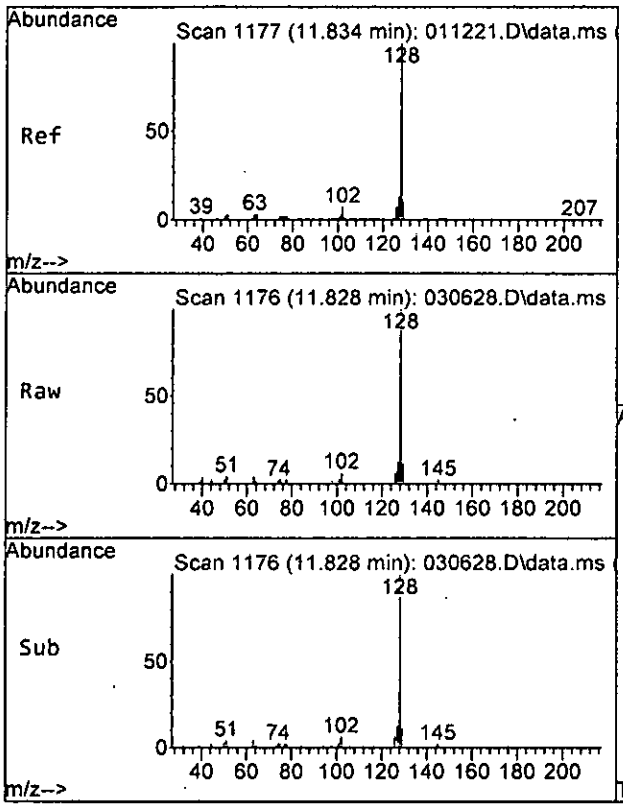


#68
p-Isopropyltoluene
Concen: 0.233 ppb
RT: 9.60 min Scan# 855
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:119 Resp: 1268

Ion	Ratio	Lower	Upper
119	100		
134	22.5	0.0	57.6
91	18.2	0.0	47.9

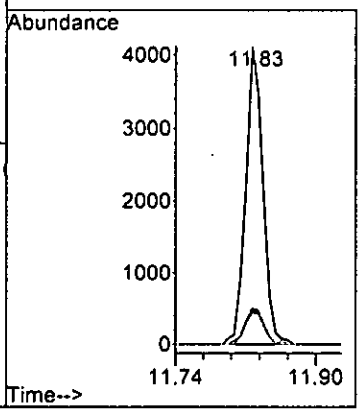




#75
Naphthalene
Concen: 1.510 ppb
RT: 11.83 min Scan# 1176
Delta R.T. -0.000 min
Lab File: 030628.D
Acq: 06 Mar 2023 06:21 pm

Tgt Ion:128 Resp: 5772

Ion	Ratio	Lower	Upper
128	100		
129	10.9	0.0	41.2
127	12.0	0.0	42.3



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	43547	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	39558	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21850	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	13790	10.142	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%				
30) 1,2-Dichloroethane-d4	4.45	102	2695	9.983	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 99.80%				
35) Toluene-d8	6.11	98	40862	10.077	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.80%				
57) 4-Bromofluorobenzene	8.51	95	13833	10.268	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 102.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	293	N.D.			
6] Vinyl chloride	1.32	62	535m	0.228	ppb		
7) Bromomethane	1.55	94	666	Below Cal	#		3
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	0.00		0	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	3.16	57	2228	2.219	ppb		90
14) Methylene chloride	2.68	84	532	0.773	ppb		87
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.92	96	575m	0.464	ppb		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.67	77	439	0.485	ppb		45
22] cis-1,2-Dichloroethene	3.77	96	20230	15.391	ppb		88
23) Chloroform	4.05	83	80	N.D.			
24) 2-Butanone (MEK)	3.79	43	87	0.224	ppb		54
25) t-Amyl methyl ether (T...	4.53	73	159	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	2995	0.807	ppb		95
32] Trichloroethene	5.04	95	66732	48.860	ppb	#	73
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

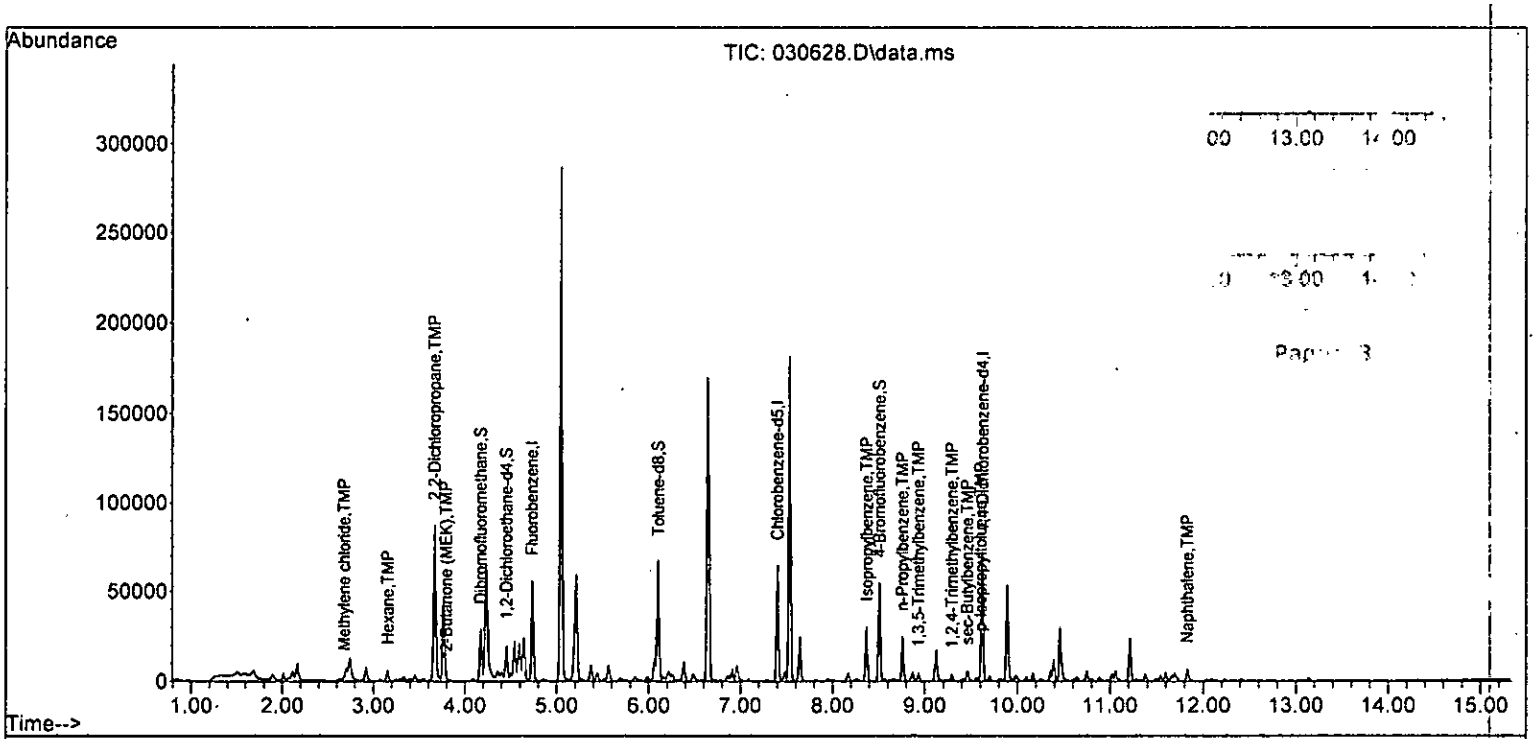
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	1007	0.348	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	6.71	43	43	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	42194	24.820	ppb	99
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.54	91	114267	22.640	ppb	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	6531	2.922	ppb	97
52] o-Xylene	8.01	106	206	0.090	ppb	79
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	8.37	105	19791	3.592	ppb	99
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.76	91	16940	3.270	ppb	100
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	8.93	105	2377	0.559	ppb	99
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	8.76	75	78	N.D.		
63) 2-Chlorotoluene	8.87	91	434	N.D.		
64) 4-Chlorotoluene	8.94	91	289	N.D.		
65) tert-Butylbenzene	9.24	119	325	N.D.		
66) 1,2,4-Trimethylbenzene	9.29	105	1977	0.455	ppb	91
67) sec-Butylbenzene	9.46	105	3053	0.552	ppb	96
68) p-Isopropyltoluene	9.60	119	1268	0.233	ppb	94
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.83	128	5772	1.510	ppb	99
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

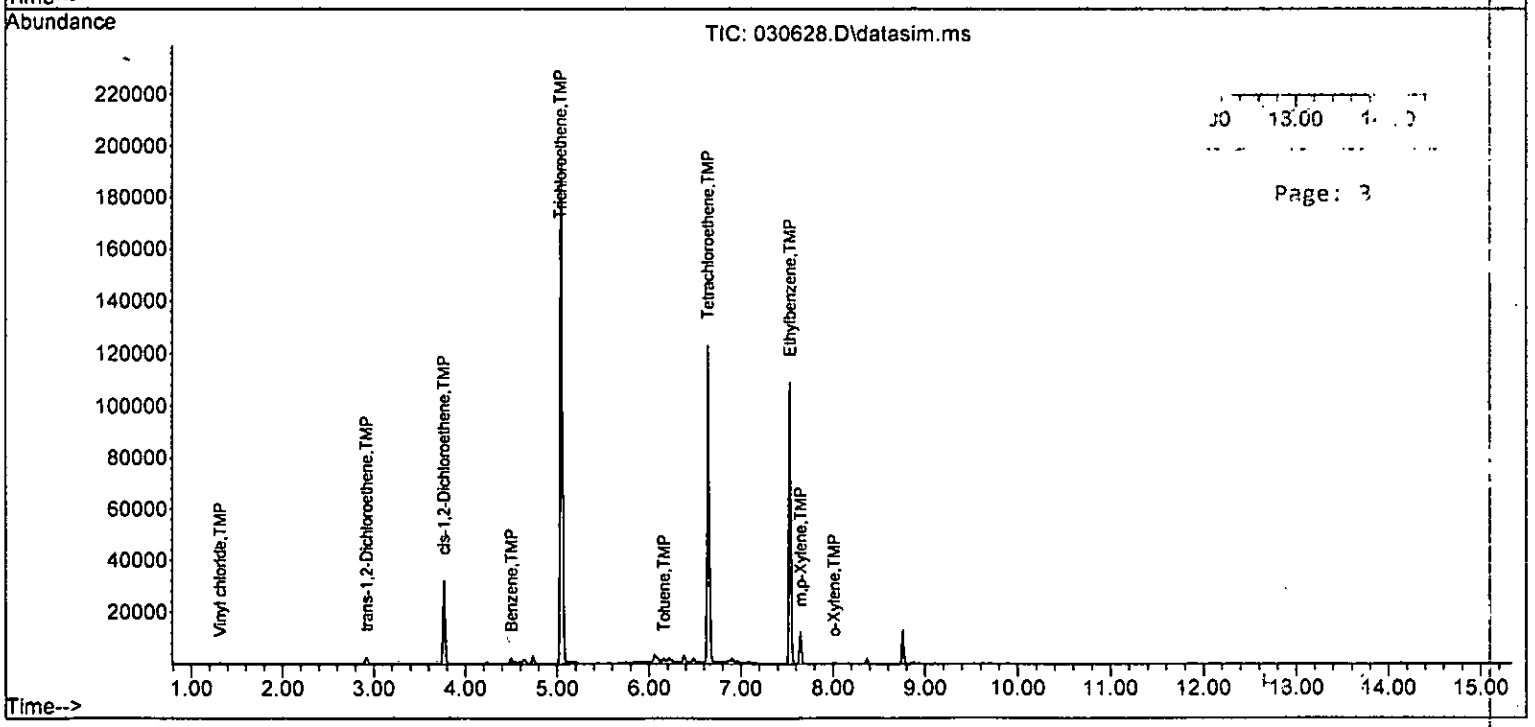
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030628.D
Acq On : 06 Mar 2023 06:21 pm
Operator : lm
Sample : 302300-05 1/10
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:55 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

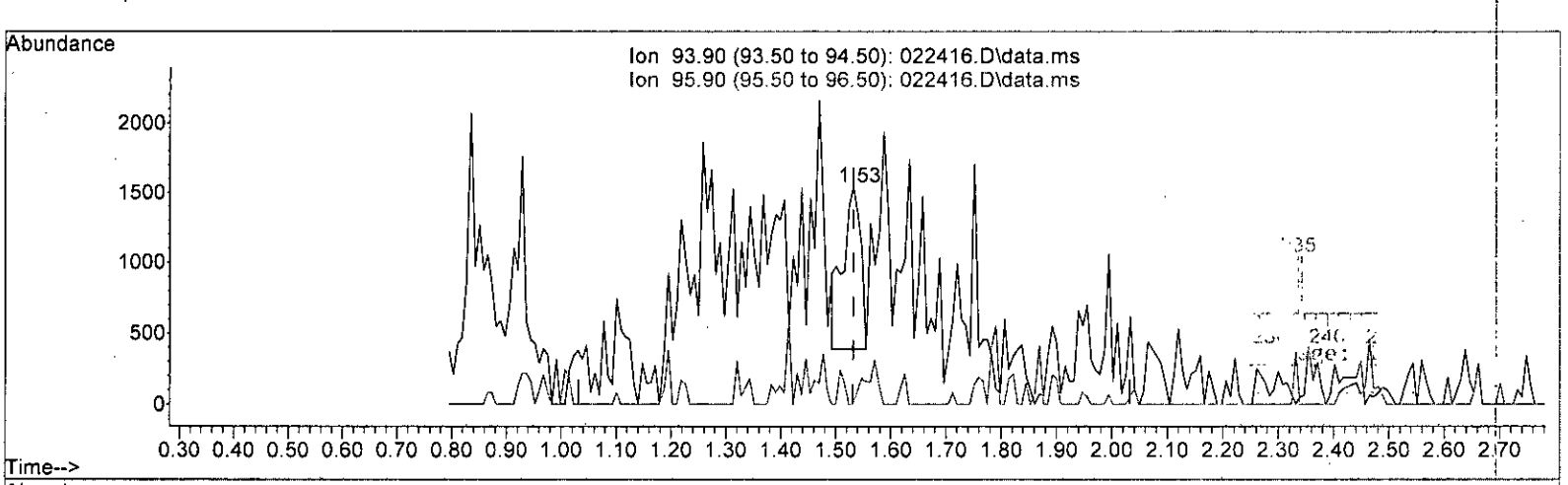


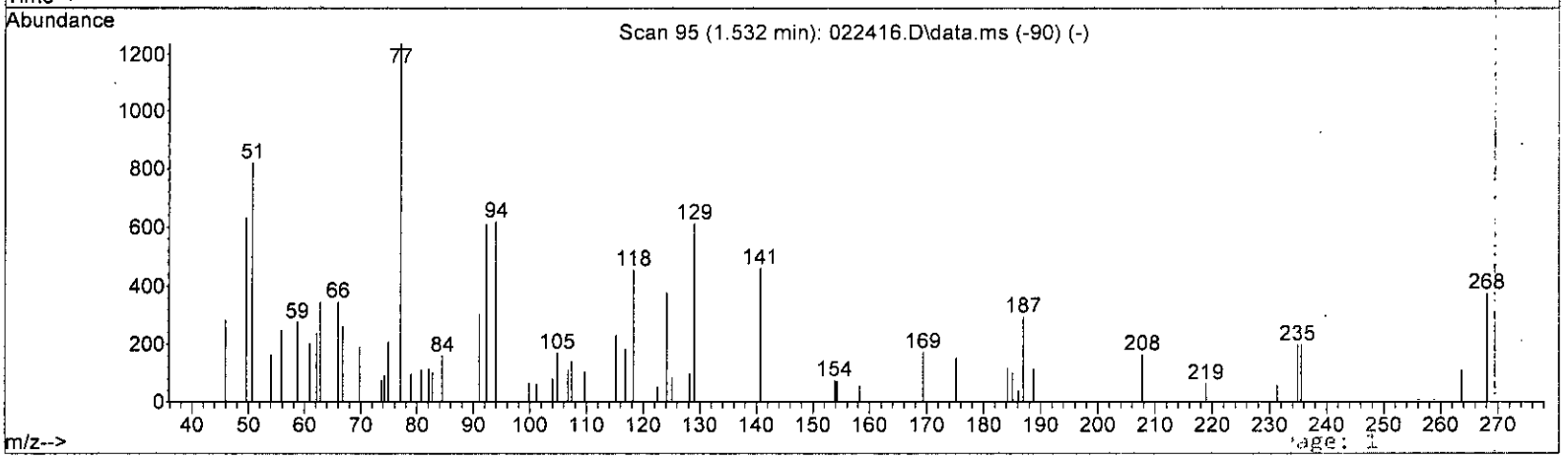


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022416.D\data.ms

(7) Bromomethane (TMP)

1.532min (-0.000) 0.272 ppb

response 2589

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

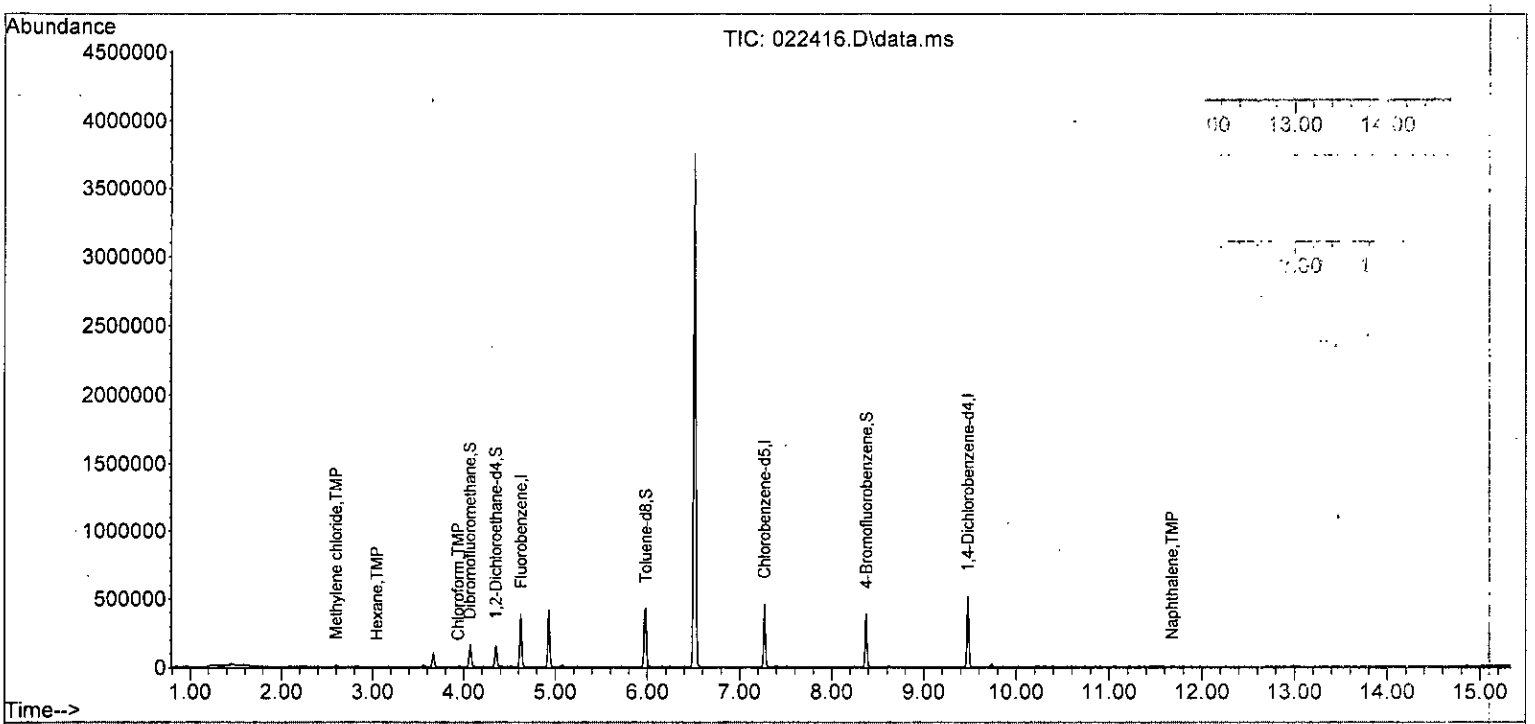
Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

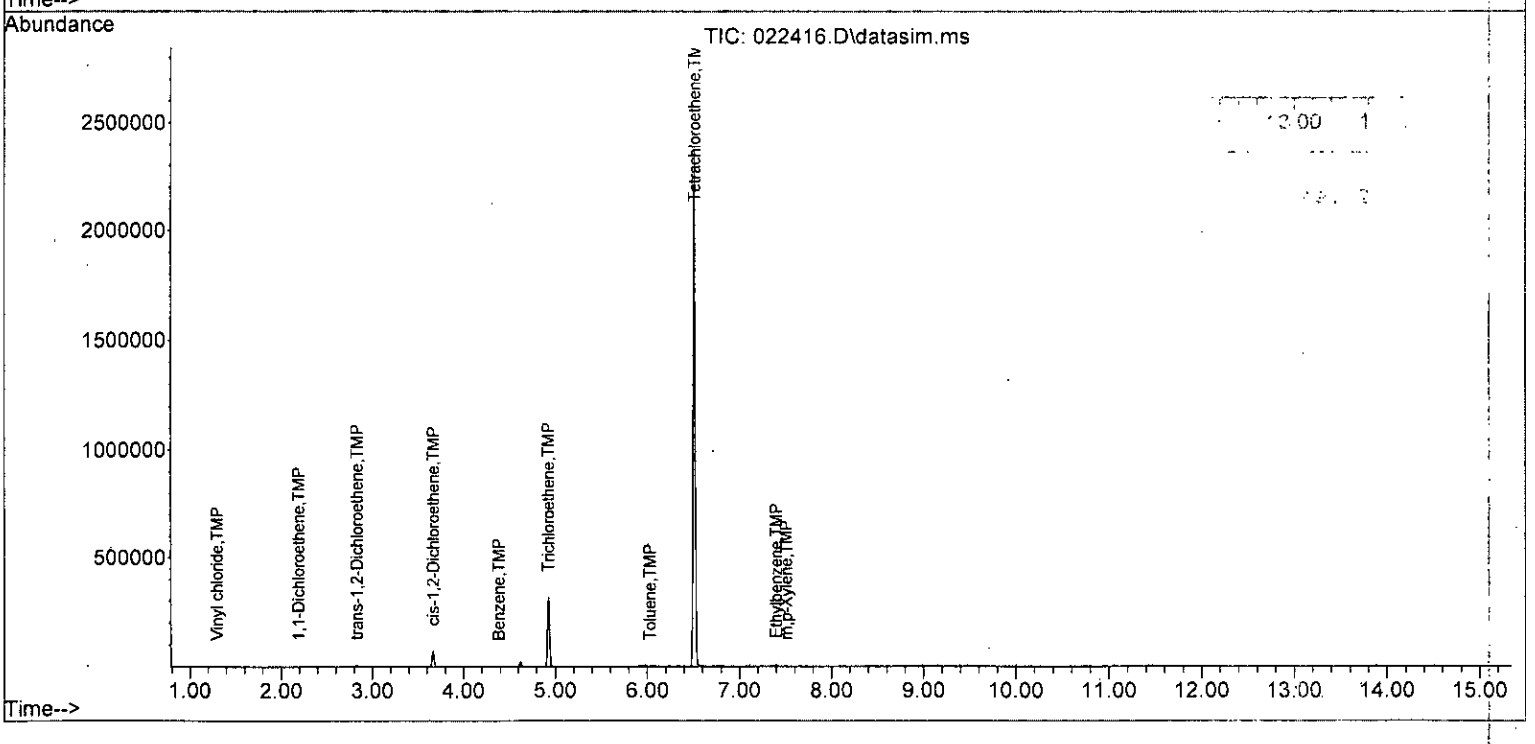
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	265498	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	211634	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	127199	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	76633	10.373	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%				
30) 1,2-Dichloroethane-d4	4.35	102	14831	9.034	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 90.30%				
35) Toluene-d8	5.98	98	255517	10.225	ppb		0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.20%				
57) 4-Bromofluorobenzene	8.38	95	96407	10.462	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%				
Target Compounds						Qvalue	
6] Vinyl chloride	1.30	62	243	0.015	ppb	#	37
12] 1,1-Dichloroethene	2.19	96	248	0.031	ppb		87
13) Hexane	3.05	57	1212	0.109	ppb	#	46
14) Methylene chloride	2.60	84	3992	0.539	ppb		84
17] trans-1,2-Dichloroethene	2.83	96	2208	0.306	ppb		90
21) 2,2-Dichloropropane	3.62	77	251	Below Cal			53
22] cis-1,2-Dichloroethene	3.67	96	33668	4.386	ppb	#	79
23) Chloroform	3.94	83	2728	0.217	ppb		68
31] Benzene	4.38	78	618	0.022	ppb		84
32] Trichloroethene	4.93	95	115412	14.477	ppb		98
40] Toluene	6.03	92	230	0.013	ppb		92
45] Tetrachloroethene	6.51	164	841807	98.781	ppb		98
49] Ethylbenzene	7.40	91	7582	0.219	ppb		97
51] m,p-Xylene	7.51	106	657	0.024	ppb		92
61) 1,1,2,2-Tetrachloroethane	8.48	83	52	Below Cal		#	24
75) Naphthalene	11.68	128	5380	0.164	ppb		95

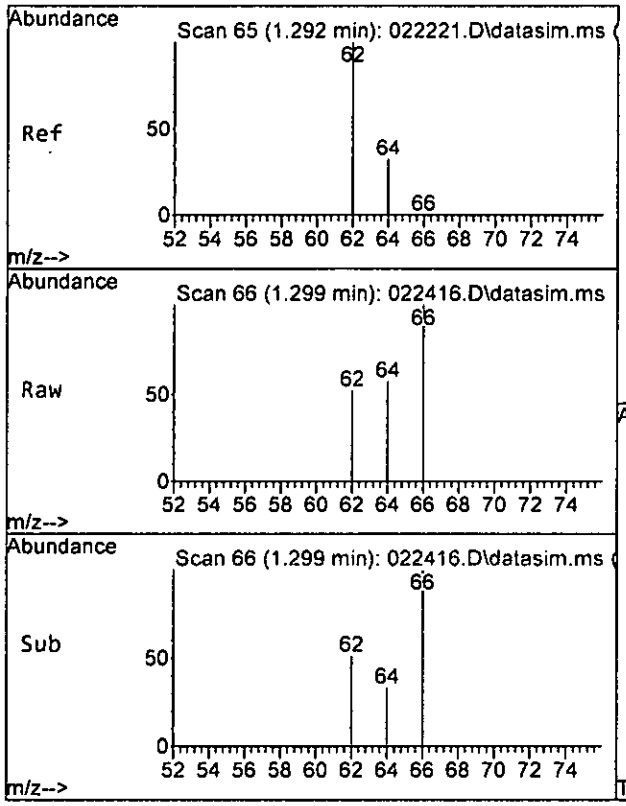
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



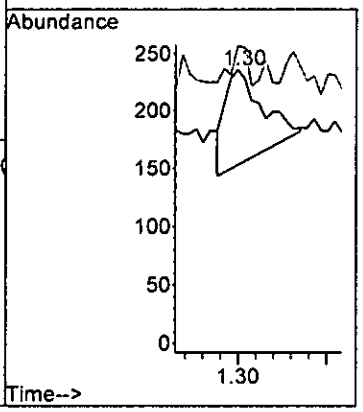


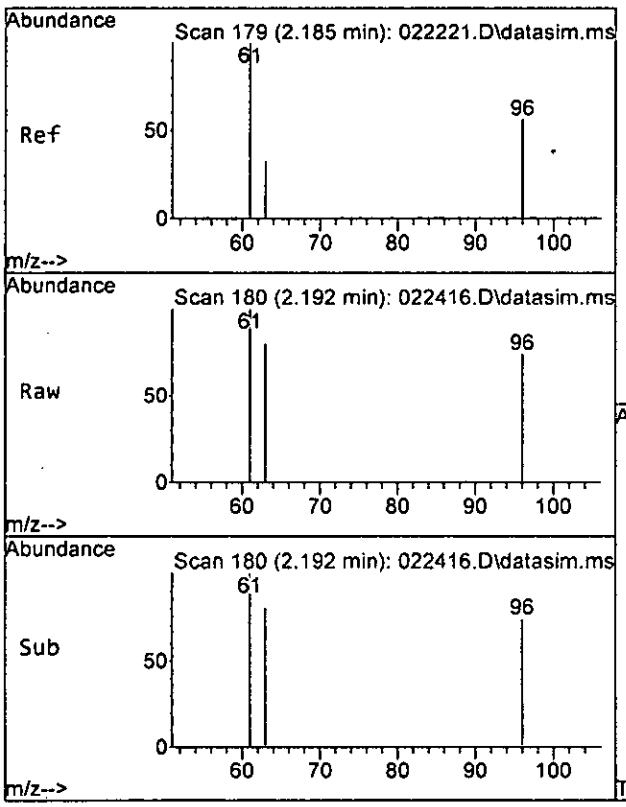


#6
Vinyl chloride
Concen: 0.015 ppb
RT: 1.30 min Scan# 66
Delta R.T. 0.008 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 62 Resp: 243

Ion	Ratio	Lower	Upper
62	100		
64	59.3	0.0	56.9#

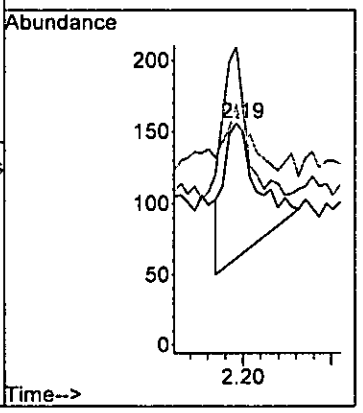


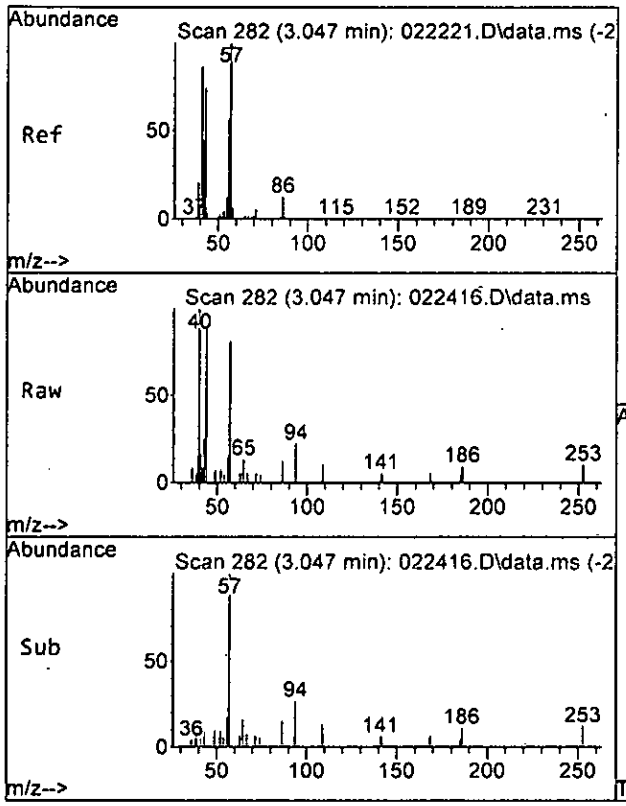


#12
1,1-Dichloroethene
Concen: 0.031 ppb
RT: 2.19 min Scan# 180
Delta R.T. 0.008 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 96 Resp: 248

Ion	Ratio	Lower	Upper
96	100		
61	166.7	145.6	205.6
63	83.3	27.4	87.4

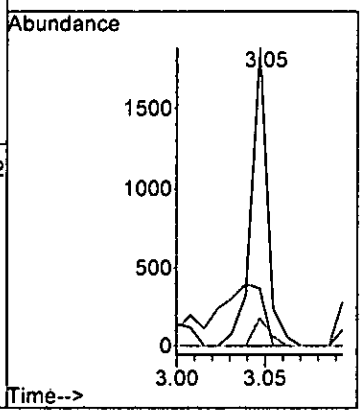


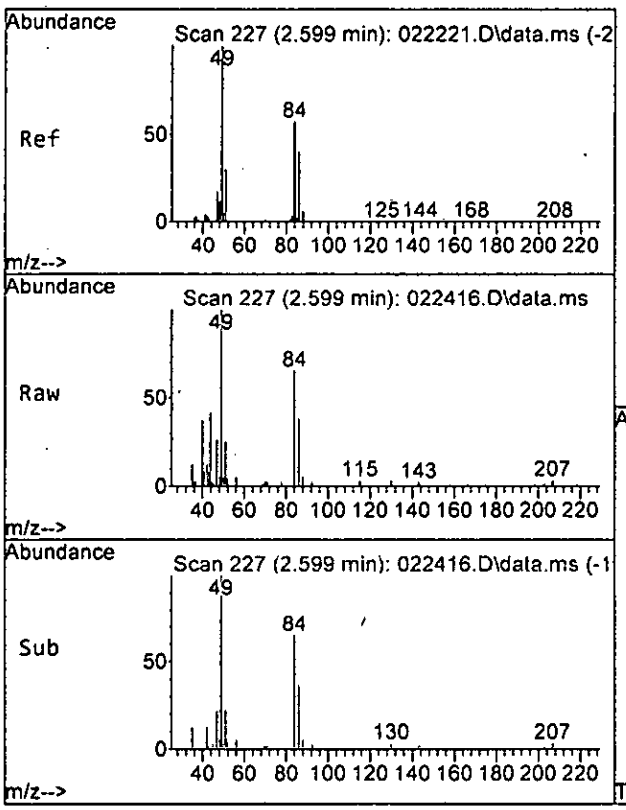


#13
Hexane
Concen: 0.109 ppb
RT: 3.05 min Scan# 282
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 57 Resp: 1212

Ion	Ratio	Lower	Upper
57	100		
43	19.9	40.6	100.6#
86	9.5	0.0	41.4

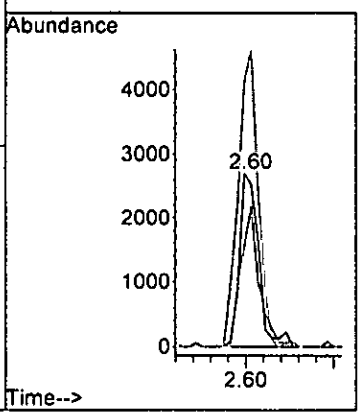


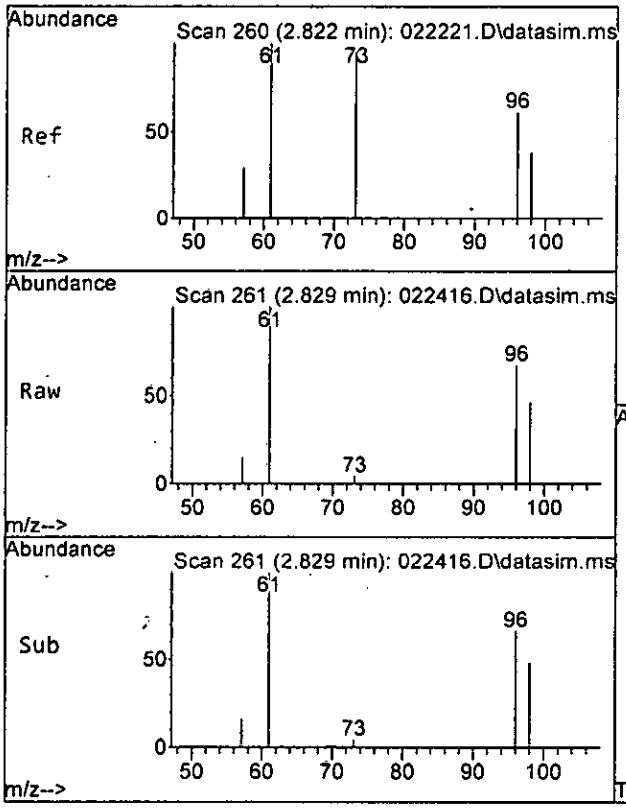


#14
Methylene chloride
Concen: 0.539 ppb
RT: 2.60 min Scan# 227
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 84 Resp: 3992

Ion	Ratio	Lower	Upper
84	100		
86	58.2	40.3	100.3
49	153.7	147.3	207.3

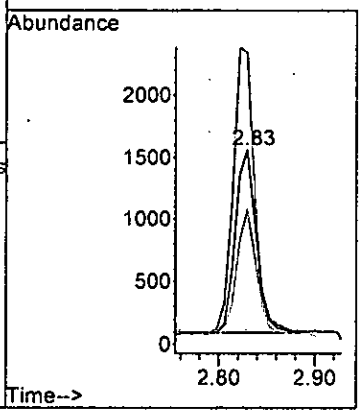


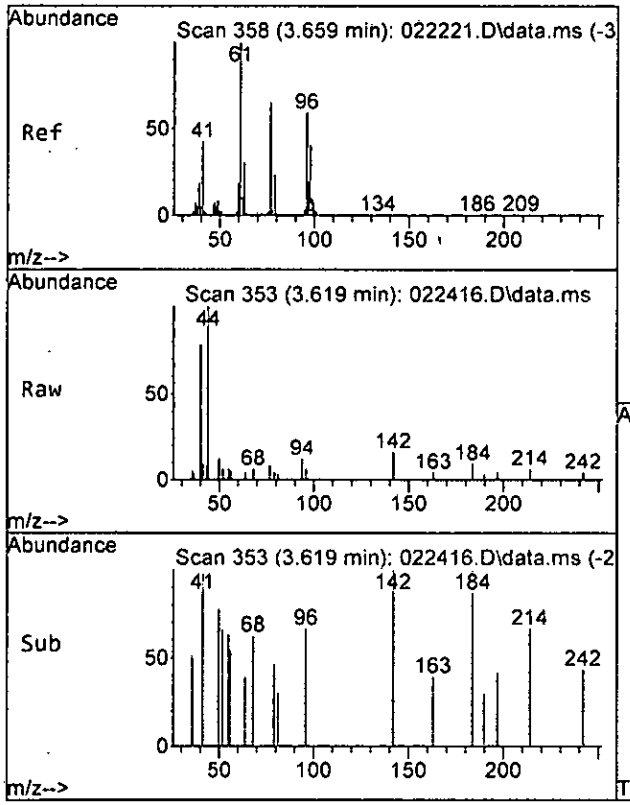


#17
trans-1,2-Dichloroethene
Concen: 0.306 ppb
RT: 2.83 min Scan# 261
Delta R.T. 0.008 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 96 Resp: 2208

Ion	Ratio	Lower	Upper
96	100		
61	151.4	135.7	195.7
98	68.0	32.4	92.4

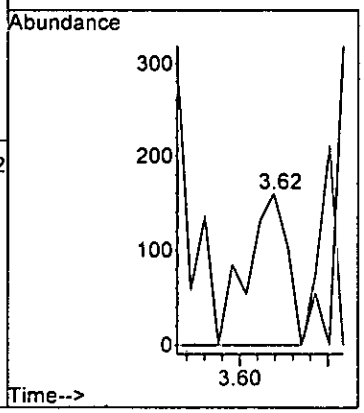


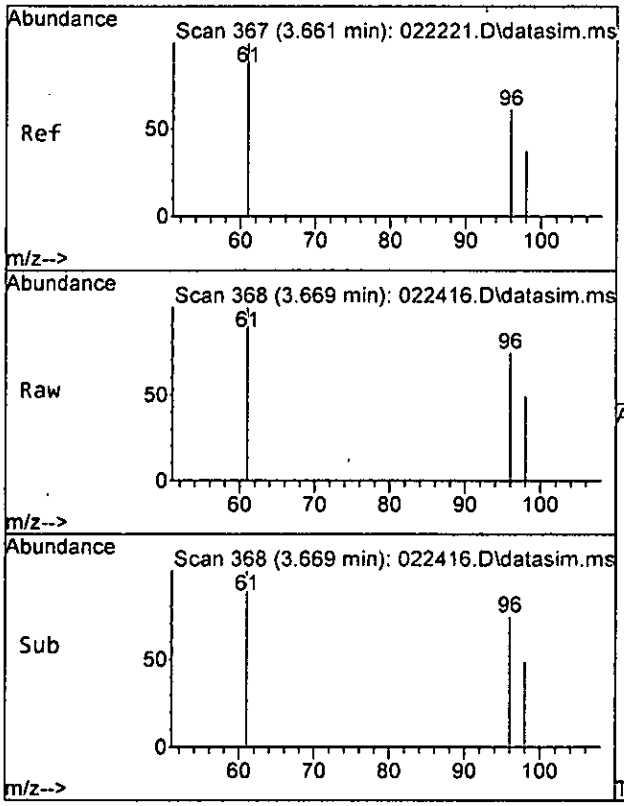


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.62 min Scan# 353
Delta R.T. -0.039 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 77 Resp: 251

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

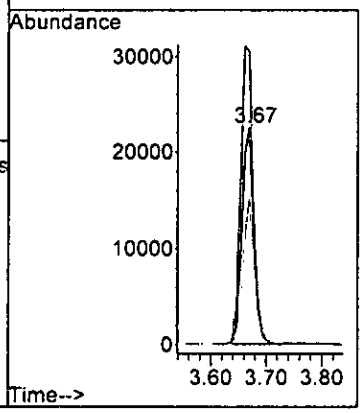


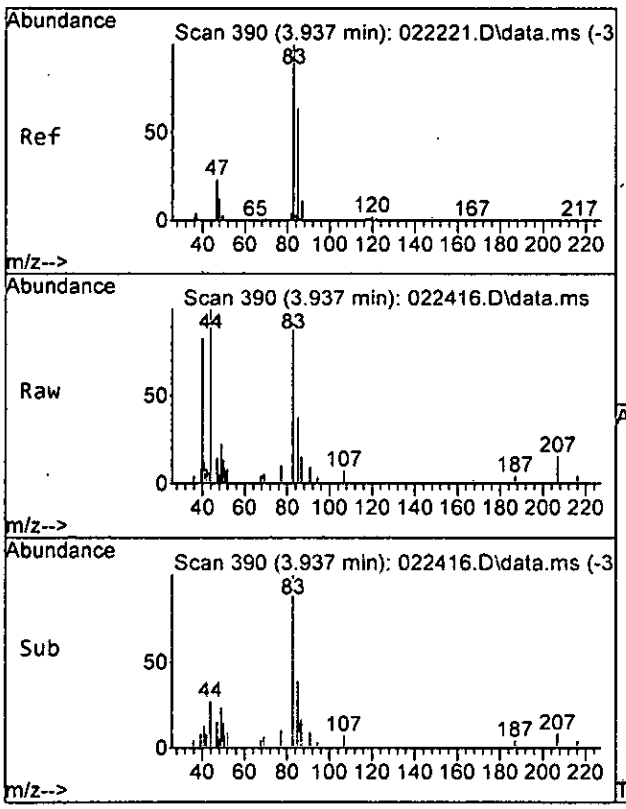


#22
cis-1,2-Dichloroethene
Concen: 4.386 ppb
RT: 3.67 min Scan# 368
Delta R.T. 0.008 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 96 Resp: 33668

Ion	Ratio	Lower	Upper
96	100		
61	135.5	139.8	199.8#
98	66.8	30.7	90.7

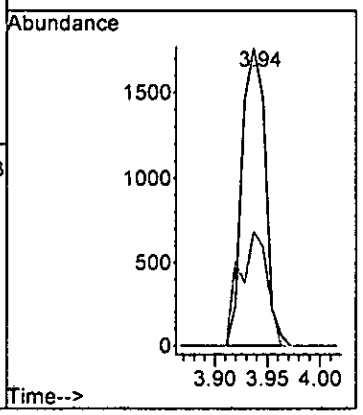


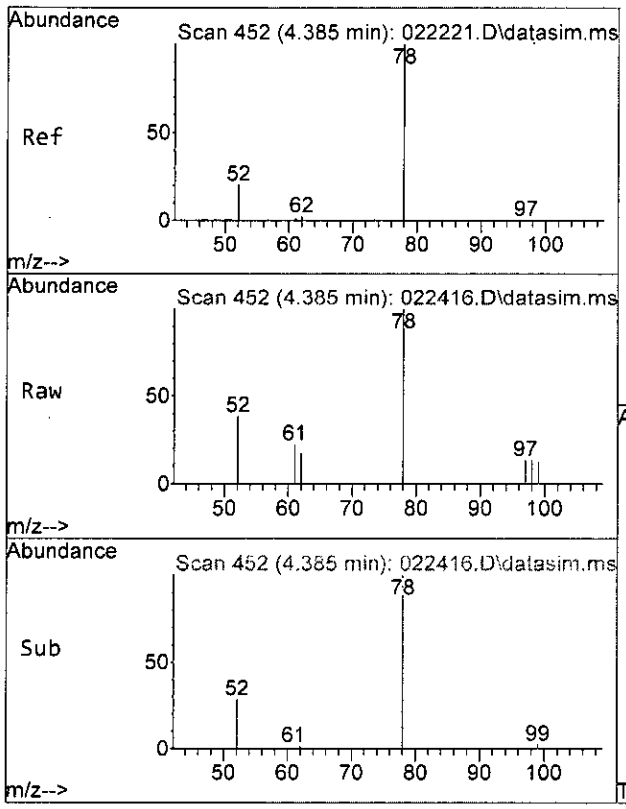


#23
Chloroform
Concen: 0.217 ppb
RT: 3.94 min Scan# 390
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 83 Resp: 2728

Ion	Ratio	Lower	Upper
83	100		
85	38.7	33.4	93.4

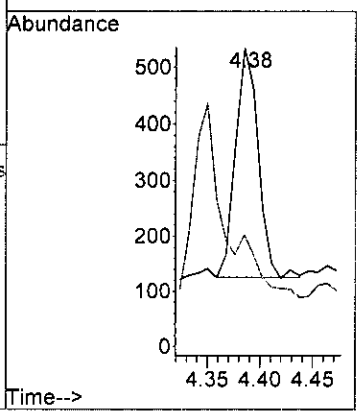


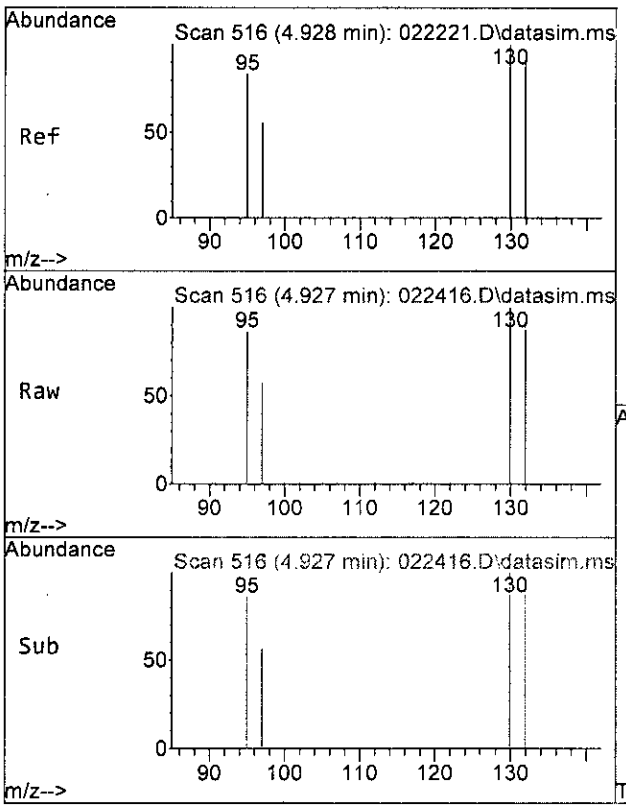


#31
Benzene
Concen: 0.022 ppb
RT: 4.38 min Scan# 452
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 78 Resp: 618

Ion	Ratio	Lower	Upper
78	100		
52	27.9	0.0	50.6

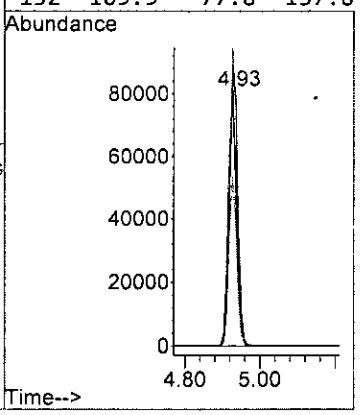


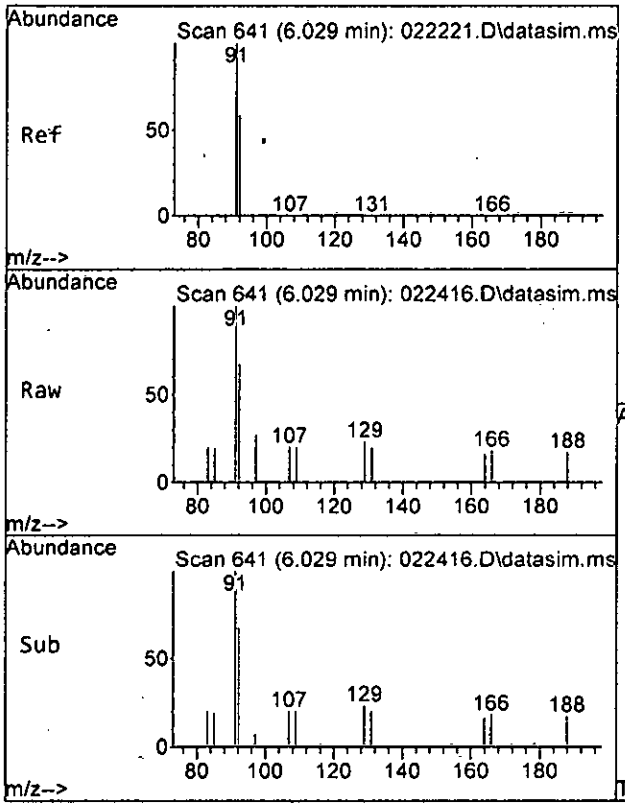


#32
Trichloroethene
Concen: 14.477 ppb
RT: 4.93 min Scan# 516
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 95 Resp: 115412

Ion	Ratio	Lower	Upper
95	100		
97	65.9	36.5	96.5
130	116.7	83.1	143.1
132	109.9	77.8	137.8

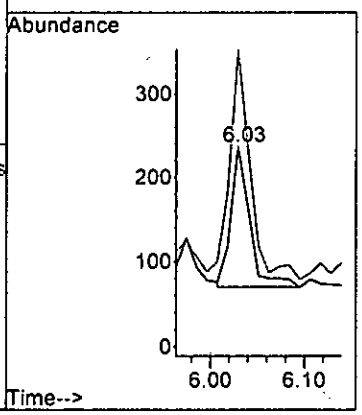


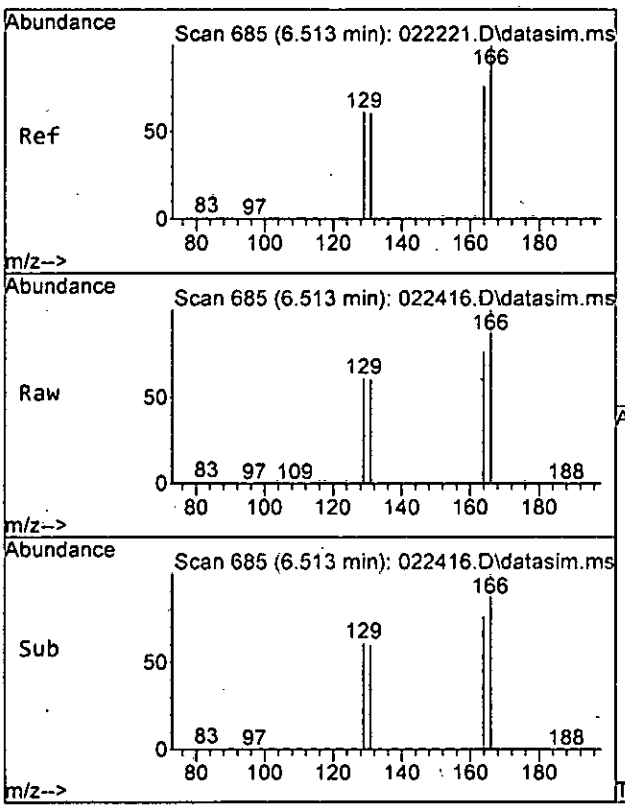


#40
Toluene
Concen: 0.013 ppb
RT: 6.03 min Scan# 641
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 92 Resp: 230

Ion	Ratio	Lower	Upper
92	100		
91	164.1	144.6	204.6

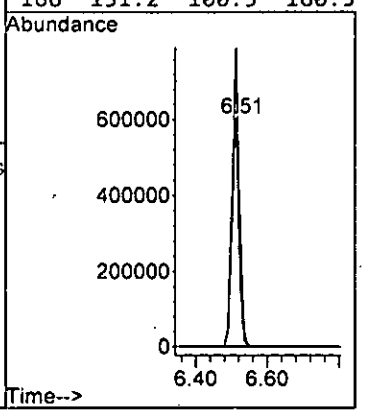


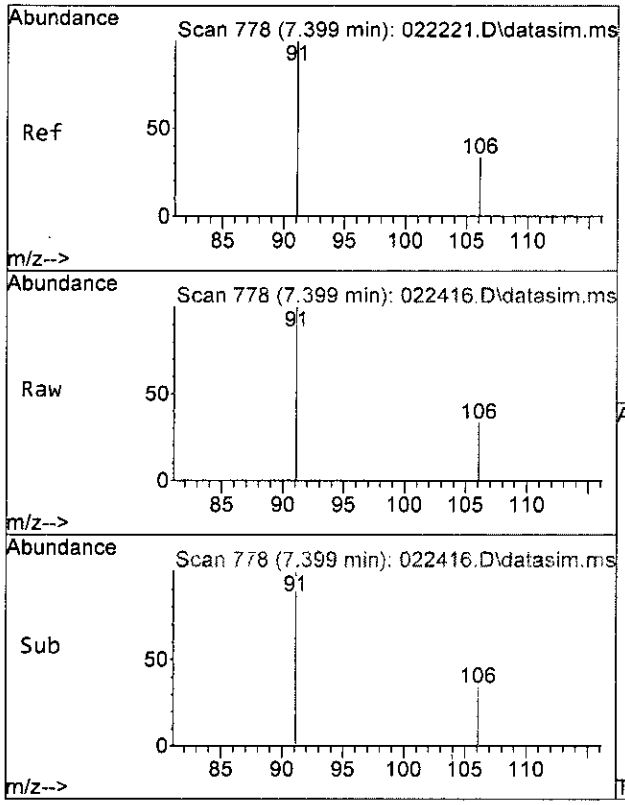


#45
Tetrachloroethene
Concen: 98.781 ppb
RT: 6.51 min Scan# 685
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion:164 Resp: 841807

Ion	Ratio	Lower	Upper
164	100		
129	79.6	52.8	112.8
131	79.2	52.4	112.4
166	131.2	100.5	160.5

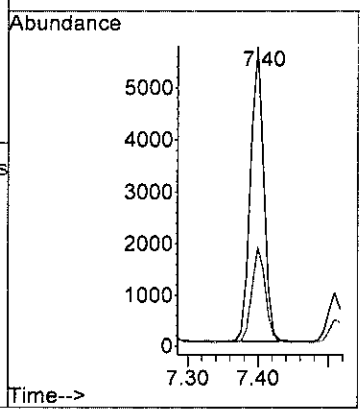


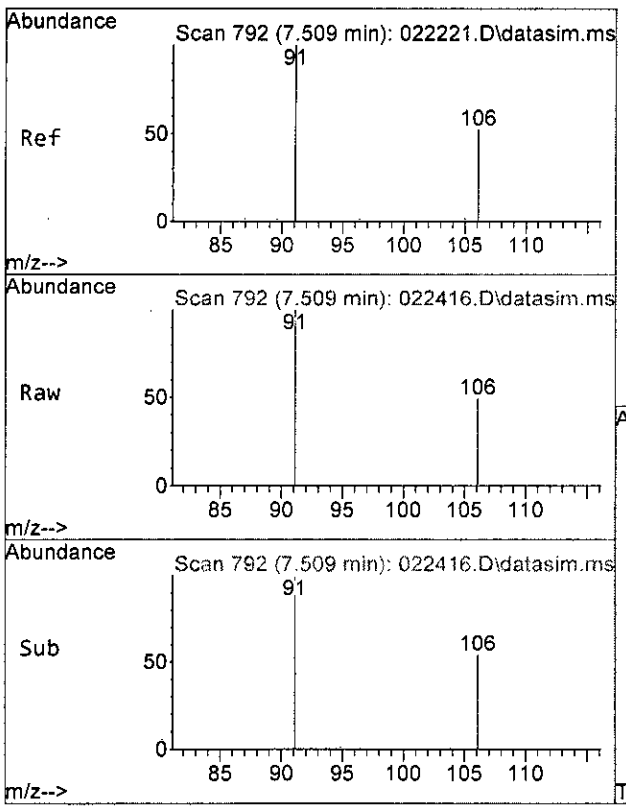


#49
Ethylbenzene
Concen: 0.219 ppb
RT: 7.40 min Scan# 778
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion: 91 Resp: 7582

Ion	Ratio	Lower	Upper
91	100		
106	32.8	1.4	61.4

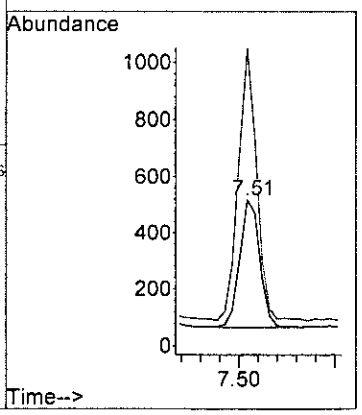


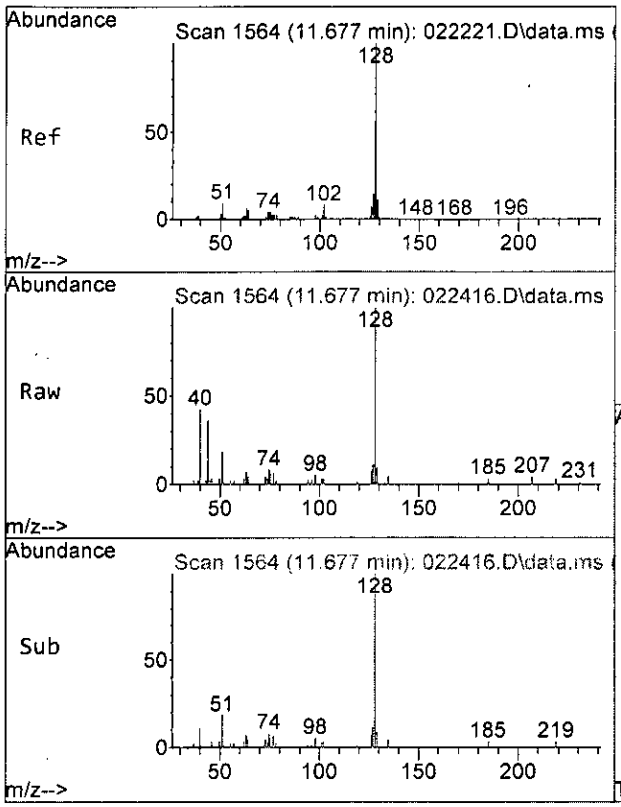


#51
m,p-Xylene
Concen: 0.024 ppb
RT: 7.51 min Scan# 792
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion:106 Resp: 657

Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.6	229.6

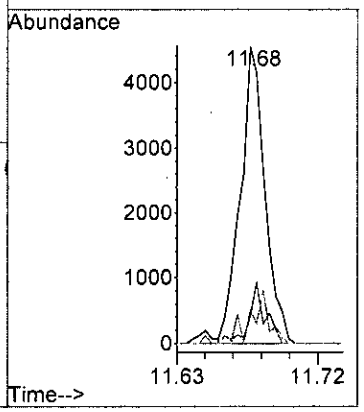




#75
Naphthalene
Concen: 0.164 ppb
RT: 11.68 min Scan# 1564
Delta R.T. -0.000 min
Lab File: 022416.D
Acq: 24 Feb 2023 11:05 am

Tgt Ion:128 Resp: 5380

Ion	Ratio	Lower	Upper
128	100		
129	9.2	0.0	40.5
127	11.2	0.0	43.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	265498	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	211634	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	127199	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	76633	10.373	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%				
30) 1,2-Dichloroethane-d4	4.35	102	14831	9.034	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 90.30%				
35) Toluene-d8	5.98	98	255517	10.225	ppb		0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 102.20%				
57) 4-Bromofluorobenzene	8.38	95	96407	10.462	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 104.60%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.23	50	7274	N.D.			
6] Vinyl chloride	1.30	62	243	0.015	ppb	#	37
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.78	101	325	N.D.			
10) 2-Propanol	2.40	45	1032	No Calib			
11) Acetone	2.26	58	1309	N.D.			
12] 1,1-Dichloroethene	2.19	96	248	0.031	ppb		87
13) Hexane	3.05	57	1212	0.109	ppb	#	46
14) Methylene chloride	2.60	84	3992	0.539	ppb		84
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	2208	0.306	ppb		90
18) Diisopropyl ether (DIPE)	3.24	45	213	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	3.45	87	54	N.D.			
21) 2,2-Dichloropropane	3.62	77	251	Below Cal			53
22] cis-1,2-Dichloroethene	3.67	96	33668	4.386	ppb	#	79
23) Chloroform	3.94	83	2728	0.217	ppb		68
24) 2-Butanone (MEK)	3.71	43	538	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	4.41	62	294	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	4.22	75	125	N.D.			
29) Carbon tetrachloride	4.16	117	114	N.D.			
31] Benzene	4.38	78	618	0.022	ppb		84
32] Trichloroethene	4.93	95	115412	14.477	ppb		98
33) 1,2-Dichloropropane	5.15	63	160	N.D.			
34) Bromodichloromethane	5.44	83	68	N.D.			
36) Dibromomethane	5.23	93	108	N.D.			

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

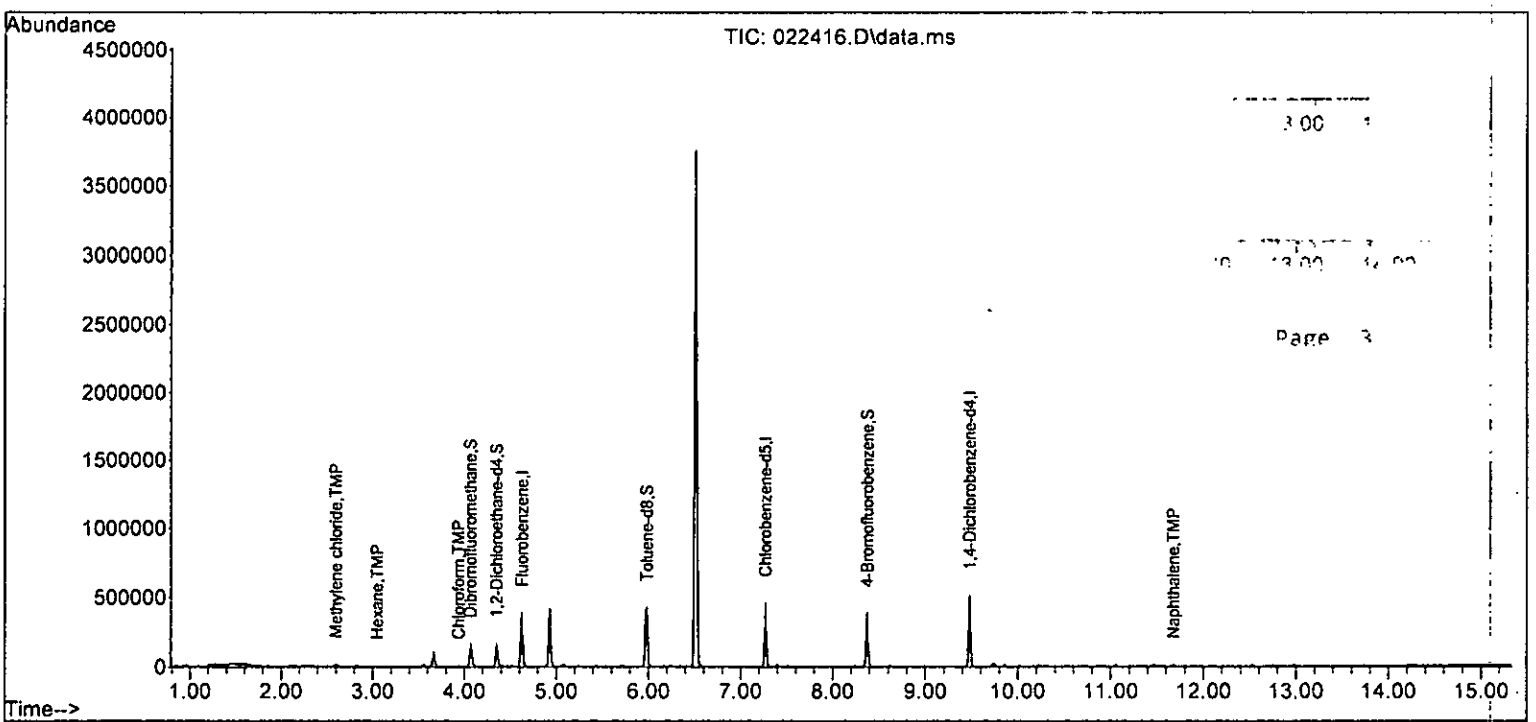
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.98	85	86	N.D.		
38) cis-1,3-Dichloropropene	5.74	75	62	N.D.		
40] Toluene	6.03	92	230	0.013	ppb	92
41) trans-1,3-Dichloropropene	6.25	75	384	N.D.		
42) 1,1,2-Trichloroethane	6.39	83	201	N.D.		
43) 2-Hexanone	6.75	43	613	N.D.		
44) 1,3-Dichloropropane	6.64	76	99	N.D.		
45] Tetrachloroethene	6.51	164	841807	98.781	ppb	98
46) Dibromochloromethane	6.83	129	158	N.D.		
47) 1,2-Dibromoethane (EDB)	6.85	107	84	N.D.		
48) Chlorobenzene	7.30	112	104	N.D.		
49] Ethylbenzene	7.40	91	7582	0.219	ppb	97
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.51	106	657	0.024	ppb	92
52) o-Xylene	7.88	106	88	N.D.		
53) Styrene	7.91	104	166	N.D.		
54) Isopropylbenzene	8.23	105	1688	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.62	91	2651	N.D.		
59) Bromobenzene	8.52	156	190	N.D.		
60) 1,3,5-Trimethylbenzene	8.80	105	713	N.D.		
61) 1,1,2,2-Tetrachloroethane	8.48	83	52	Below Cal #		24
62) 1,2,3-Trichloropropane	8.56	75	205	N.D.		
63) 2-Chlorotoluene	8.70	91	133	N.D.		
64) 4-Chlorotoluene	8.81	91	443	N.D.		
65) tert-Butylbenzene	9.10	119	69	N.D.		
66) 1,2,4-Trimethylbenzene	8.99	105	1093	N.D.		
67) sec-Butylbenzene	9.31	105	667	N.D.		
68) p-Isopropyltoluene	9.46	119	710	N.D.		
69) 1,3-Dichlorobenzene	9.42	146	197	N.D.		
70) 1,4-Dichlorobenzene	9.50	146	267	N.D.		
71) 1,2-Dichlorobenzene	9.87	146	353	N.D.		
72) 1,2-Dibromo-3-chloropr...	10.85	75	51	N.D.		
73) 1,2,4-Trichlorobenzene	11.44	180	450	N.D.		
74) Hexachlorobutadiene	11.62	225	67	N.D.		
75) Naphthalene	11.68	128	5380	0.164	ppb	95
76) 1,2,3-Trichlorobenzene	11.91	180	198	N.D.		

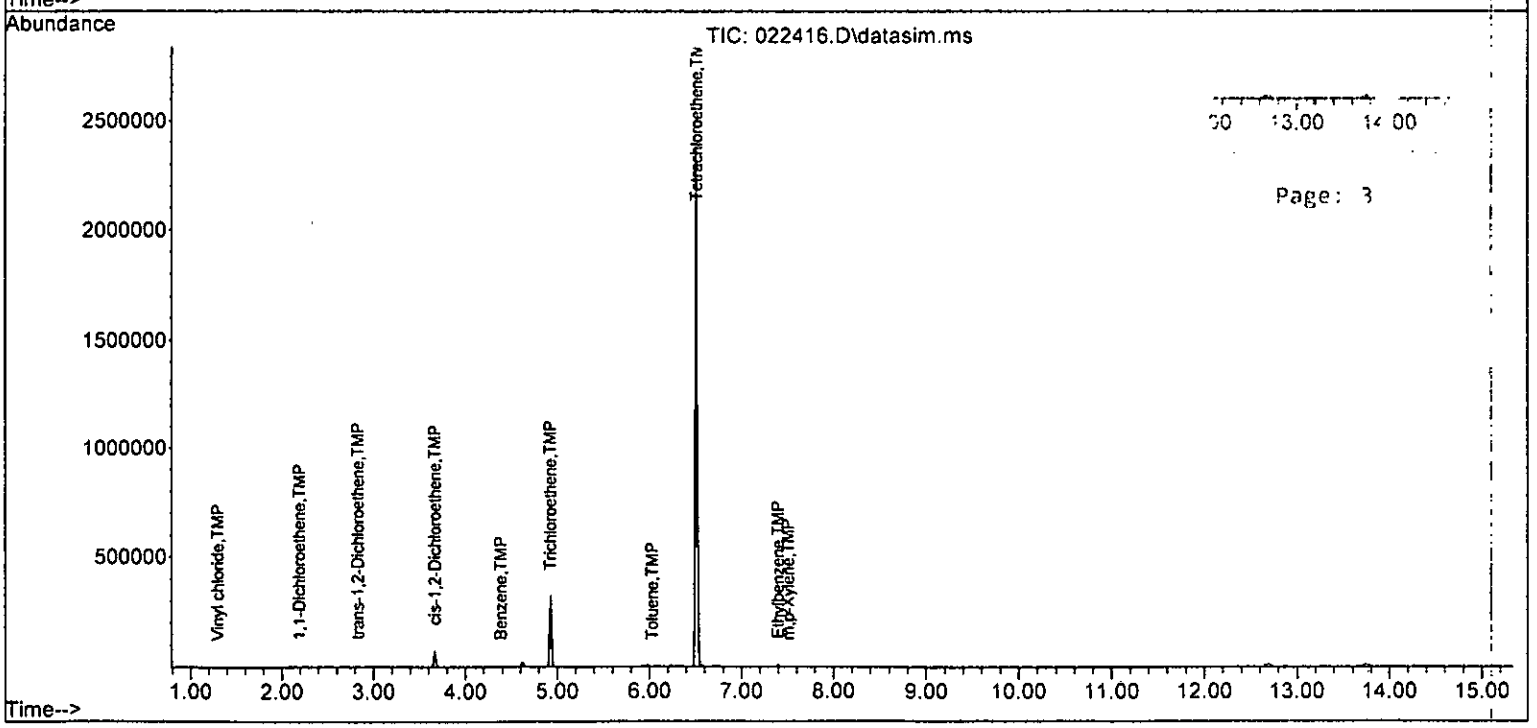
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022416.D
Acq On : 24 Feb 2023 11:05 am
Operator : LM
Sample : 302300-06
Misc : water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:34:36 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

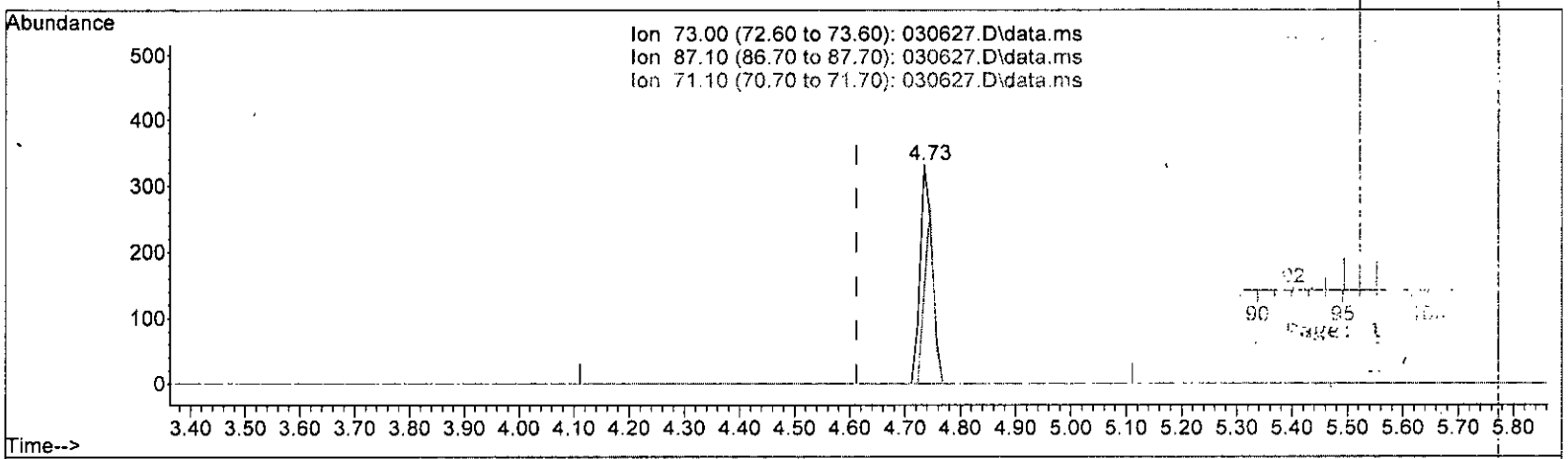


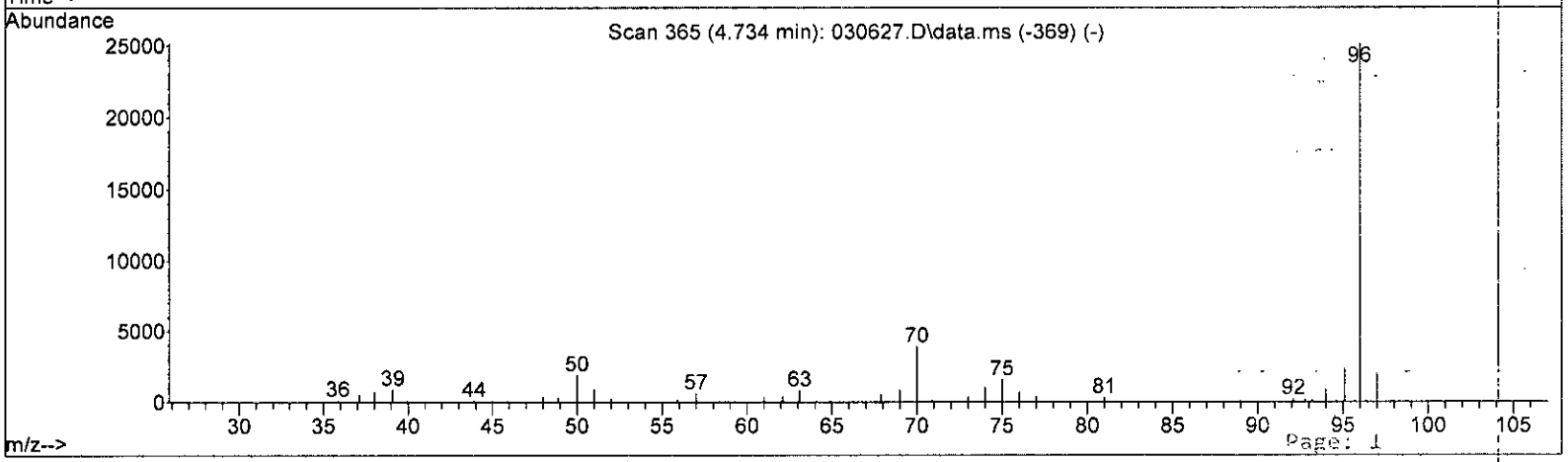


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030627.D\data.ms

(25) t-Amyl methyl ether (TAME) (TMP)

4.734min (+ 0.123) 0.201 ppb

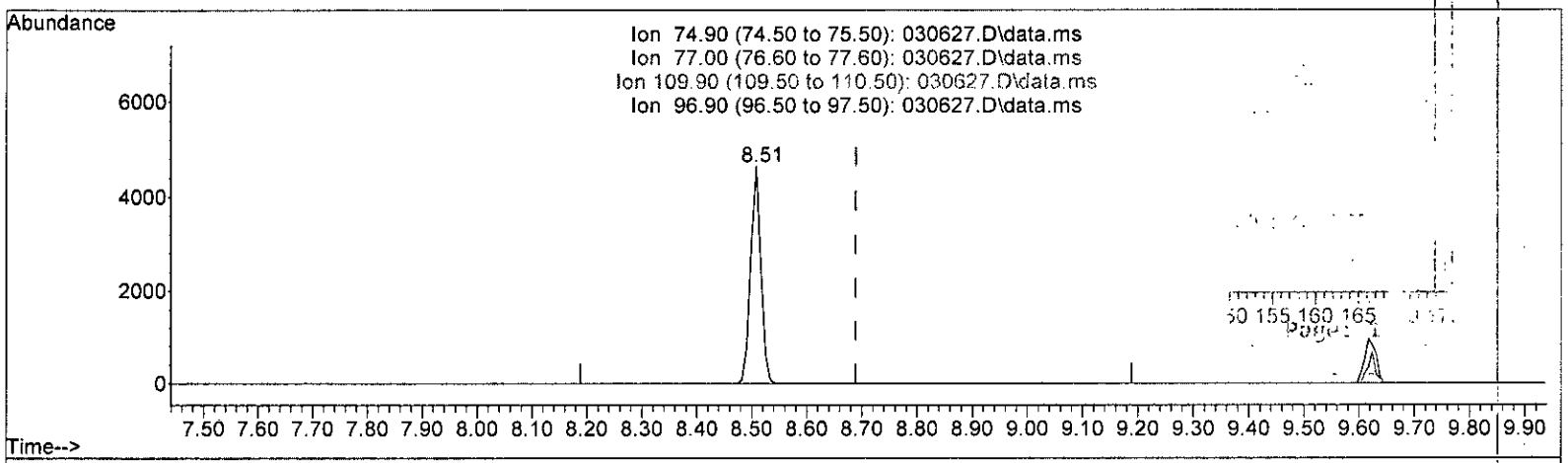
response 501

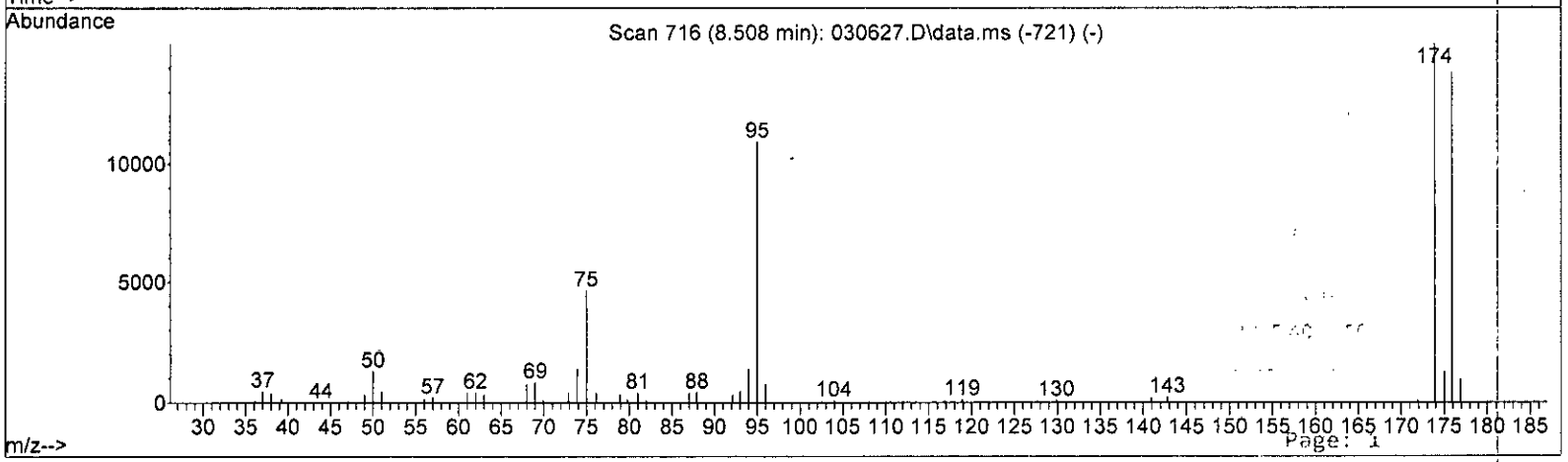
Ion	Exp%	Act%
73.00	100.00	100.00
87.10	32.40	0.00#
71.10	11.40	41.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030627.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.222 ppb
response 5999

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

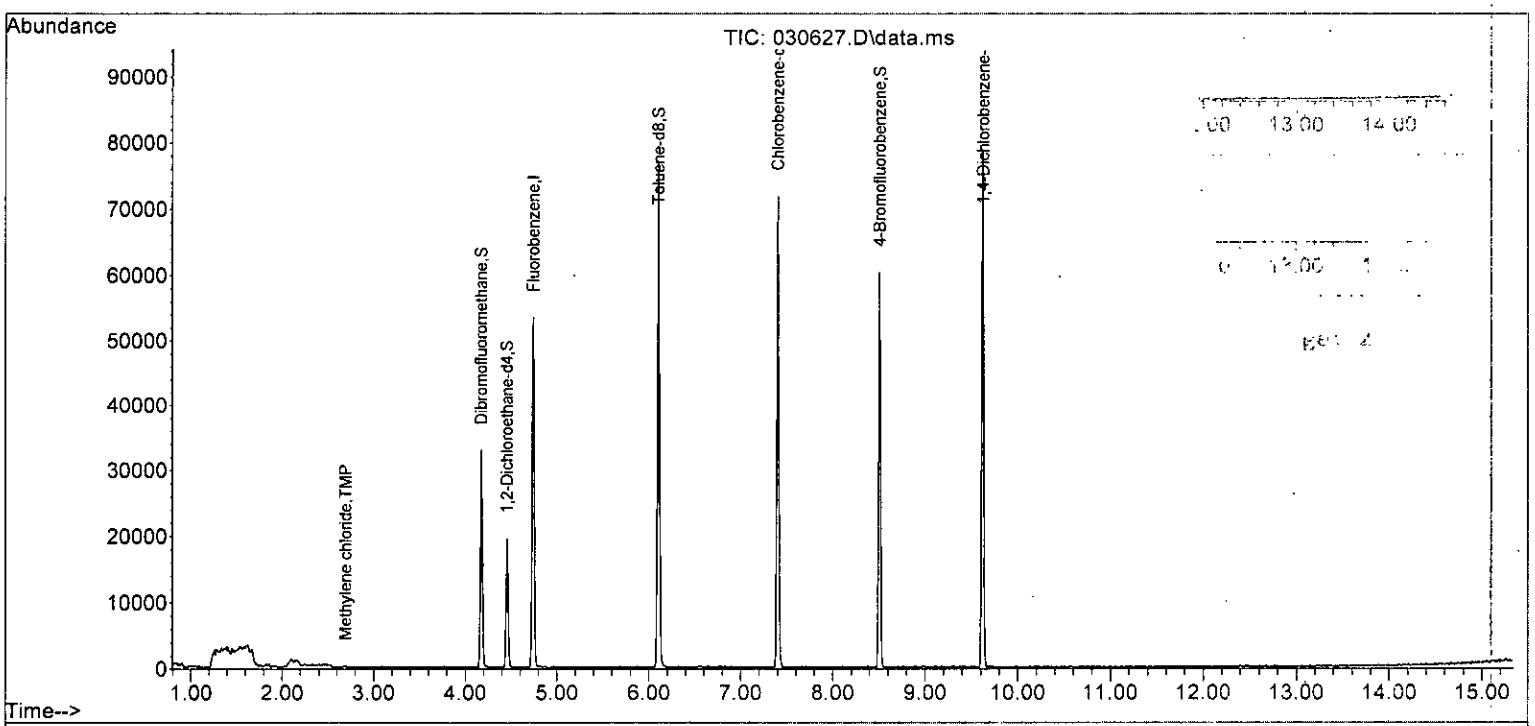
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	48182	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	43154	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22769	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15249	10.136	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.45	102	2769	9.270	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 92.70%			
35) Toluene-d8	6.10	98	46314	10.323	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	15111	10.764	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.60%			
Target Compounds						Qvalue
7) Bromomethane	1.60	94	408	Below Cal	#	46
14) Methylene chloride	2.69	84	138	0.386	ppb #	57
45] Tetrachloroethene	6.65	164	65	0.027	ppb	95

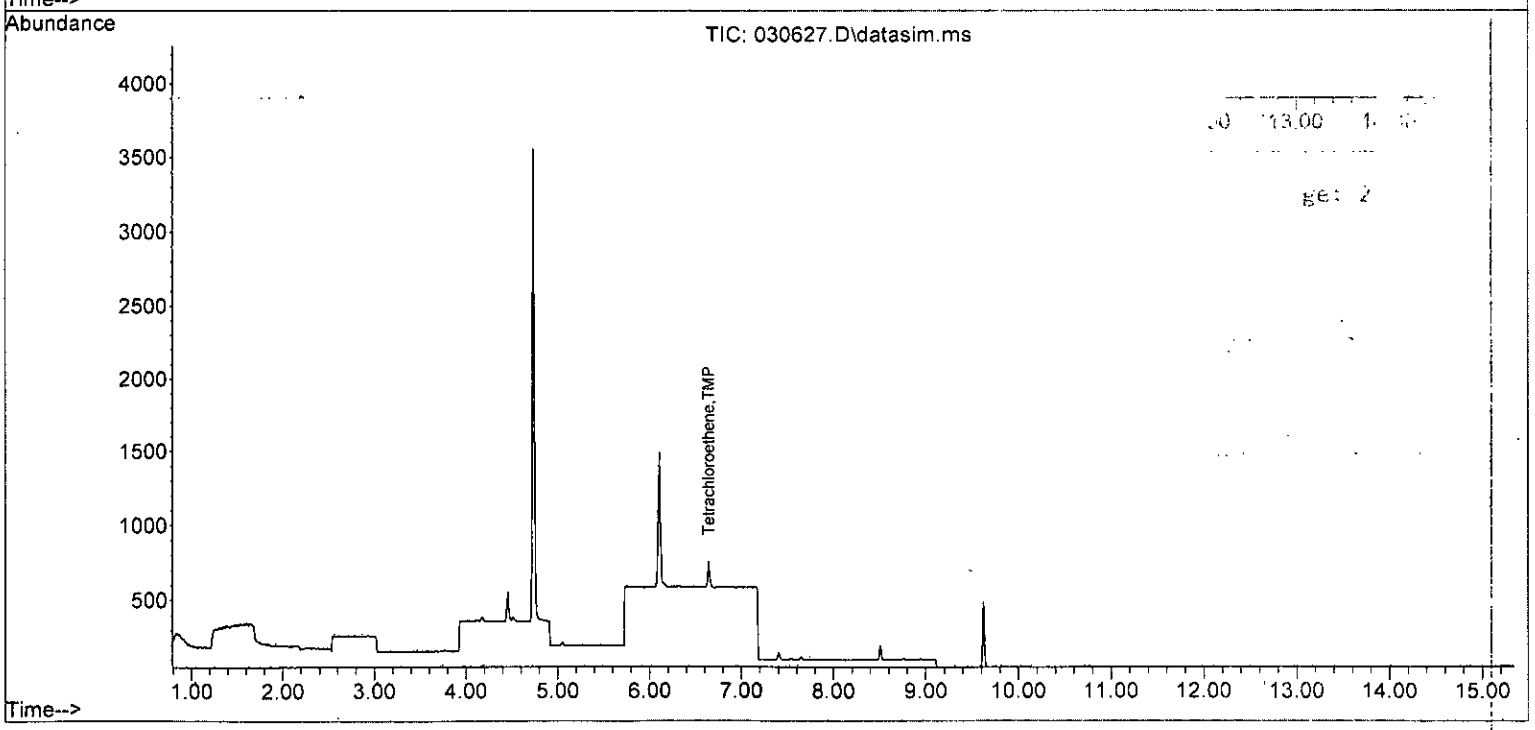
(#) = qualifier out of range (m) = manual integration (+) = signals summed

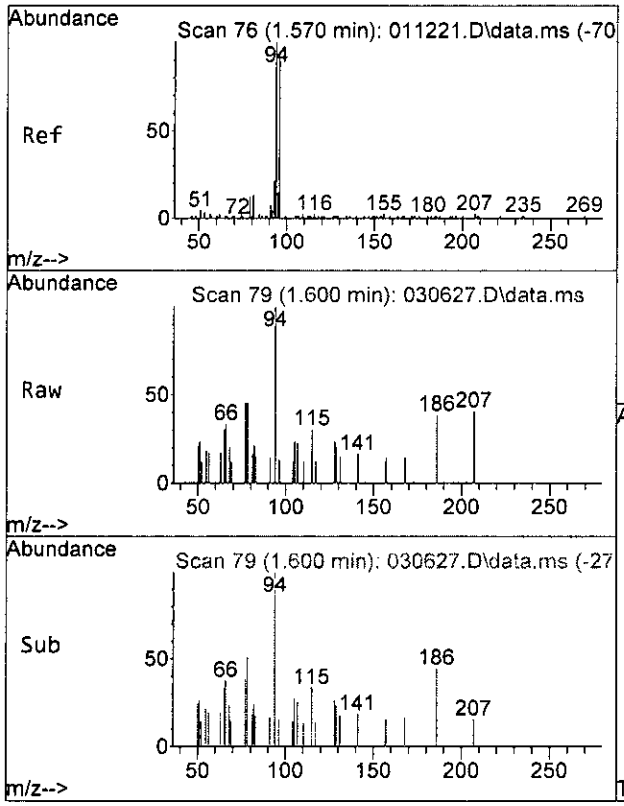
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



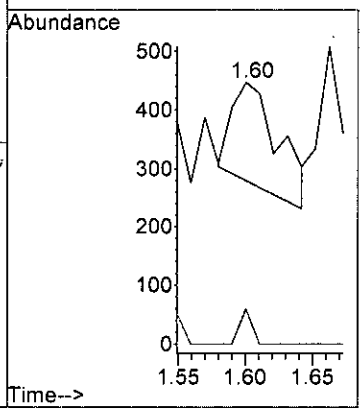


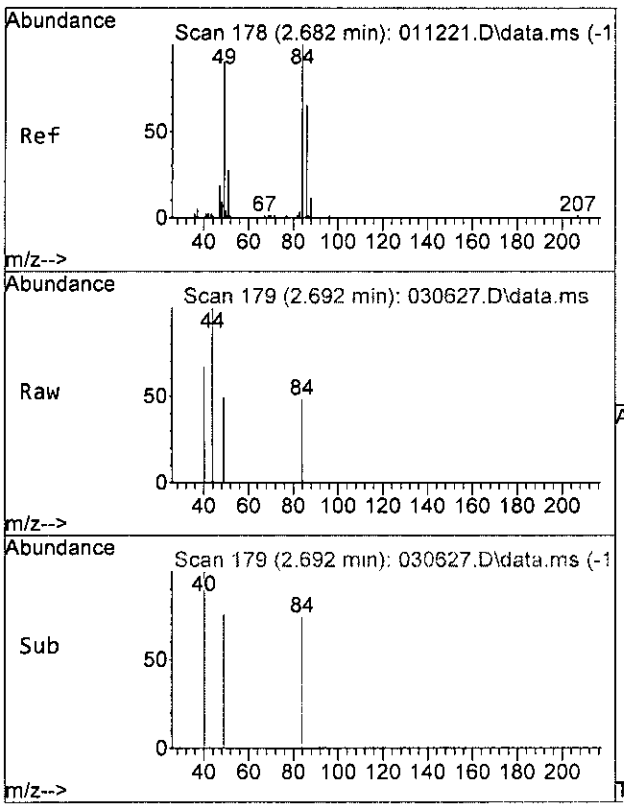


#7
Bromomethane
Concen: Below Cal
RT: 1.60 min Scan# 79
Delta R.T. 0.030 min
Lab File: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion: 94 Resp: 408

Ion	Ratio	Lower	Upper
94	100		
96	42.0	64.3	124.3#

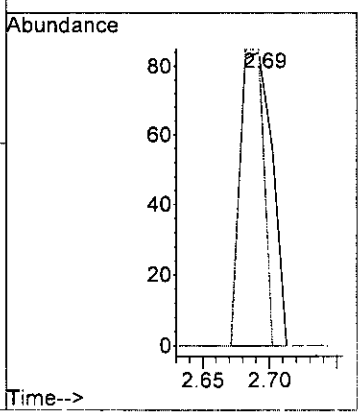


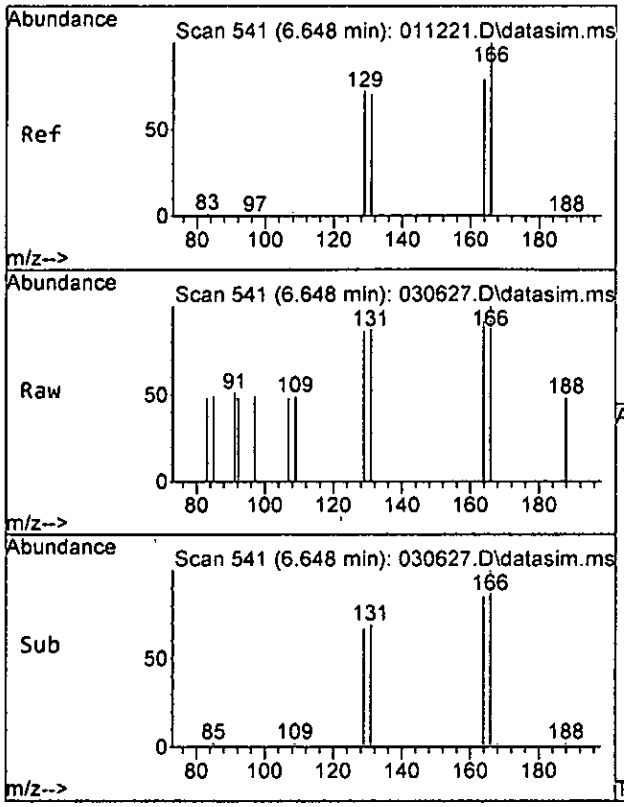


#14
Methylene chloride
Concen: 0.386 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion: 84 Resp: 138

Ion	Ratio	Lower	Upper
84	100		
86	0.0	35.3	95.3#
49	101.2	57.8	117.8

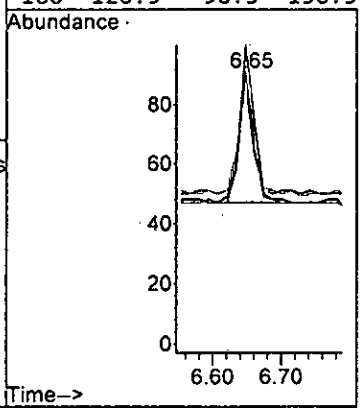




#45
Tetrachloroethene
Concen: 0.027 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab file: 030627.D
Acq: 06 Mar 2023 05:58 pm

Tgt Ion:164 Resp: 65

Ion	Ratio	Lower	Upper
164	100		
129	81.8	59.5	119.5
131	86.4	58.6	118.6
166	120.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	48182	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	43154	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22769	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15249	10.136	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.40%			
30) 1,2-Dichloroethane-d4	4.45	102	2769	9.270	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 92.70%			
35) Toluene-d8	6.10	98	46314	10.323	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	15111	10.764	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	649	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.60	94	408	Below Cal	#	46
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	138	0.386	ppb #	57
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D. d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

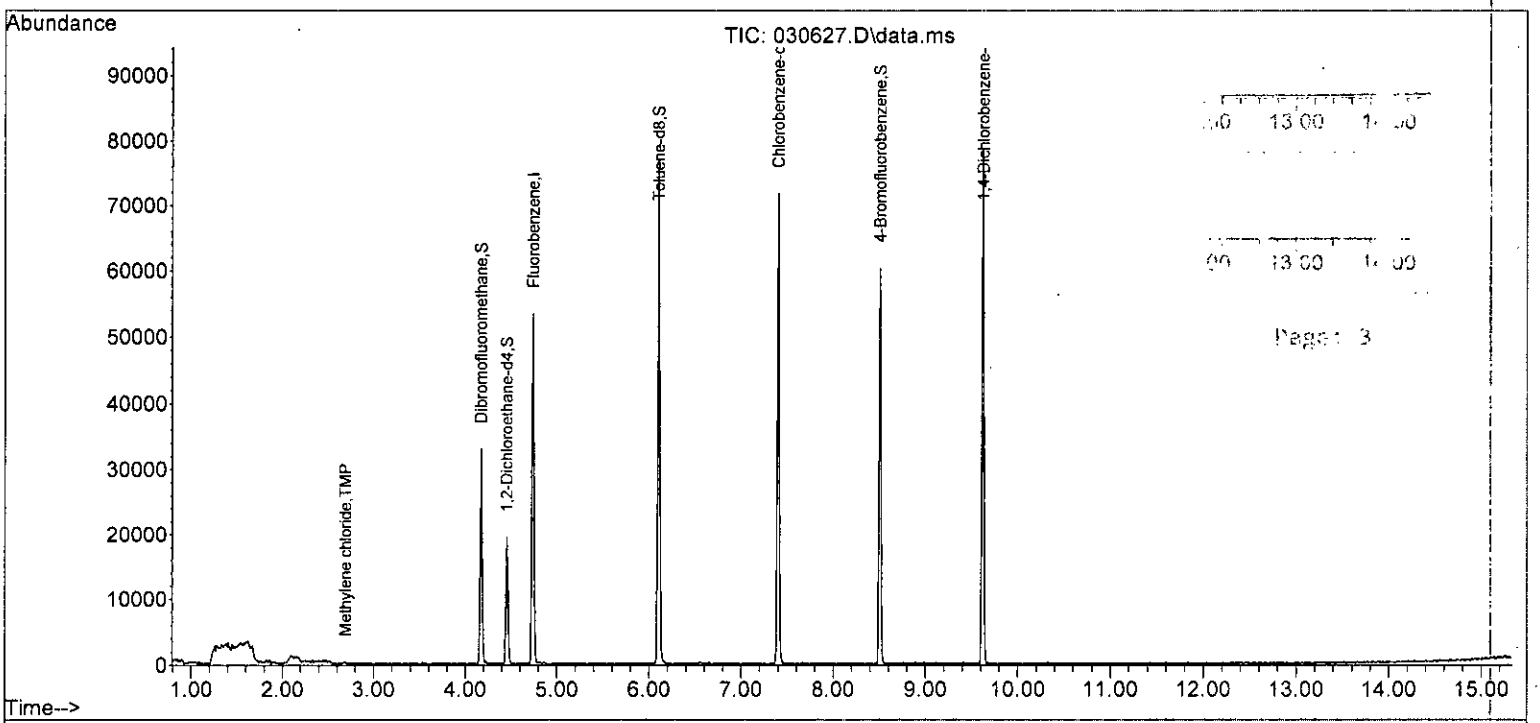
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	0.00		0	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	65	0.027	ppb	95
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.40	91	78	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51) m,p-Xylene	0.00		0	N.D.		
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.		
67) sec-Butylbenzene	0.00		0	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

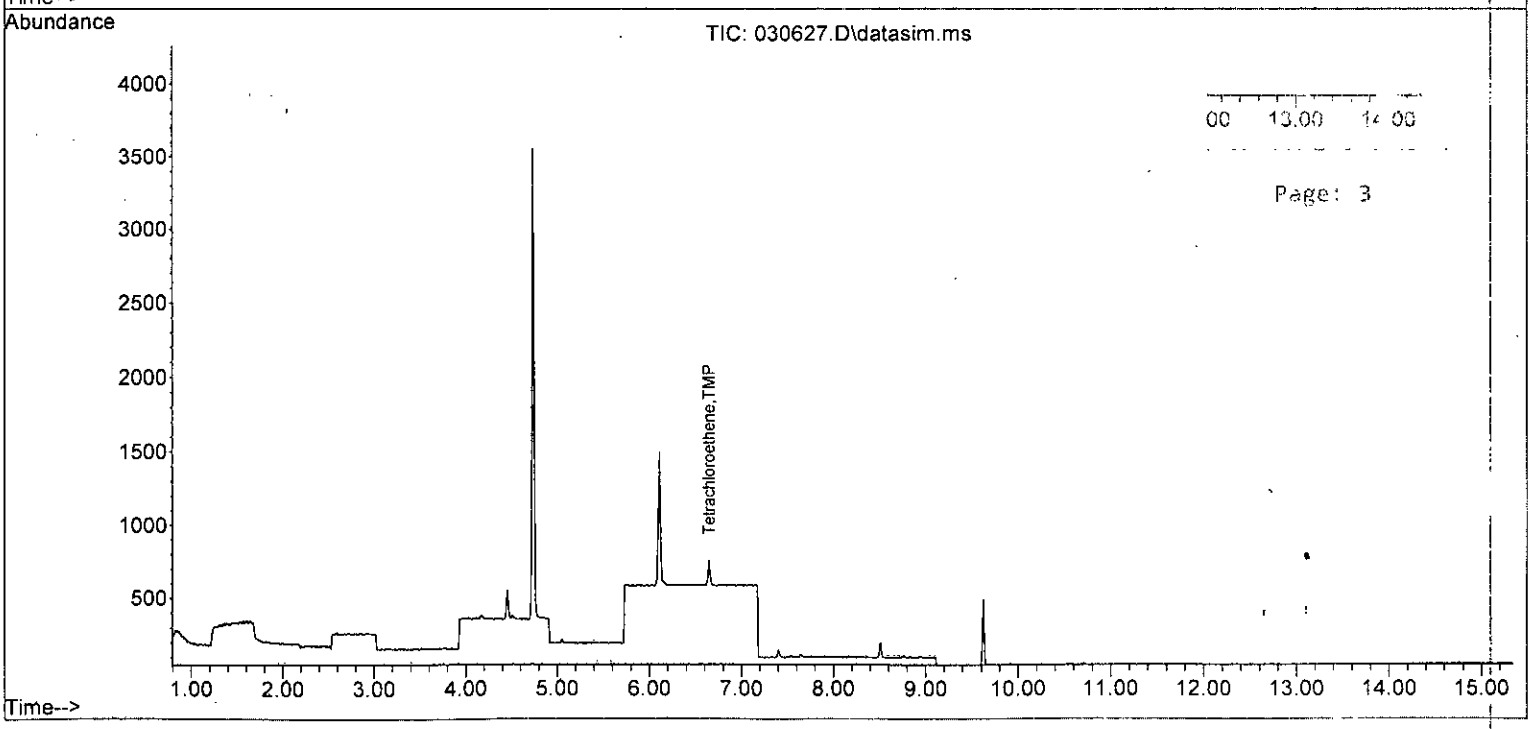
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030627.D
Acq On : 06 Mar 2023 05:58 pm
Operator : lm
Sample : 302300-07 rr
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

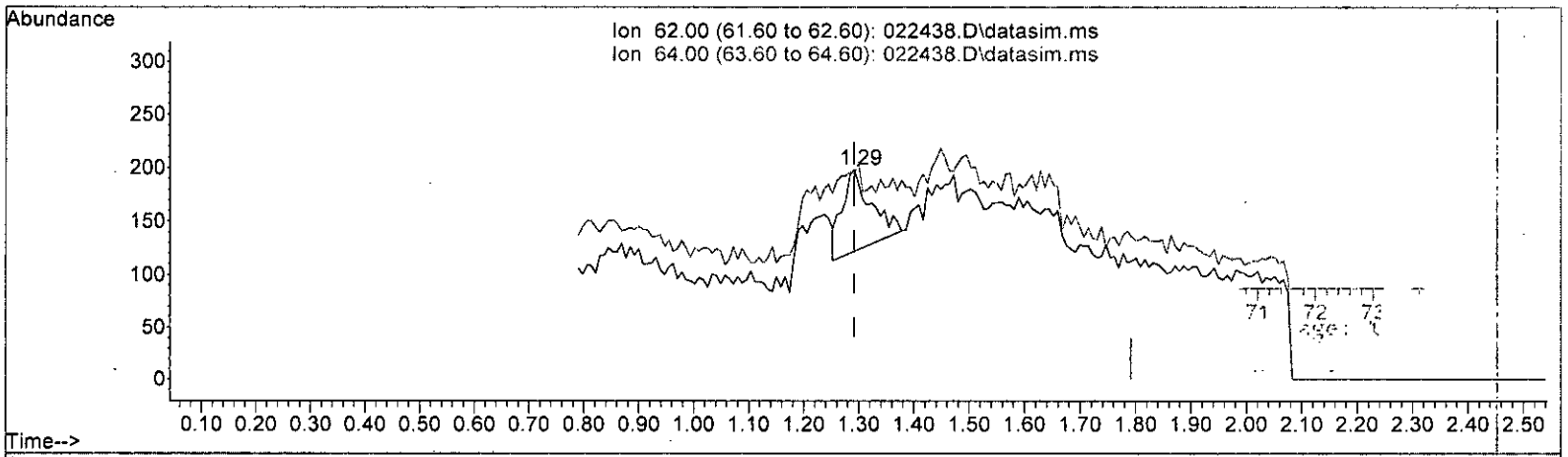


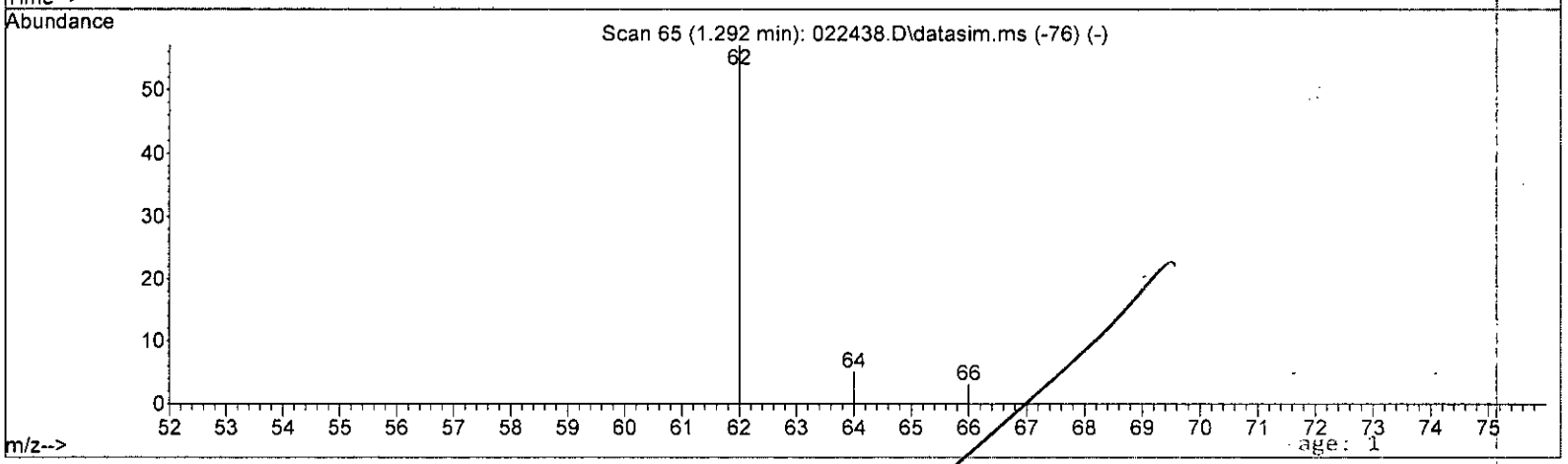


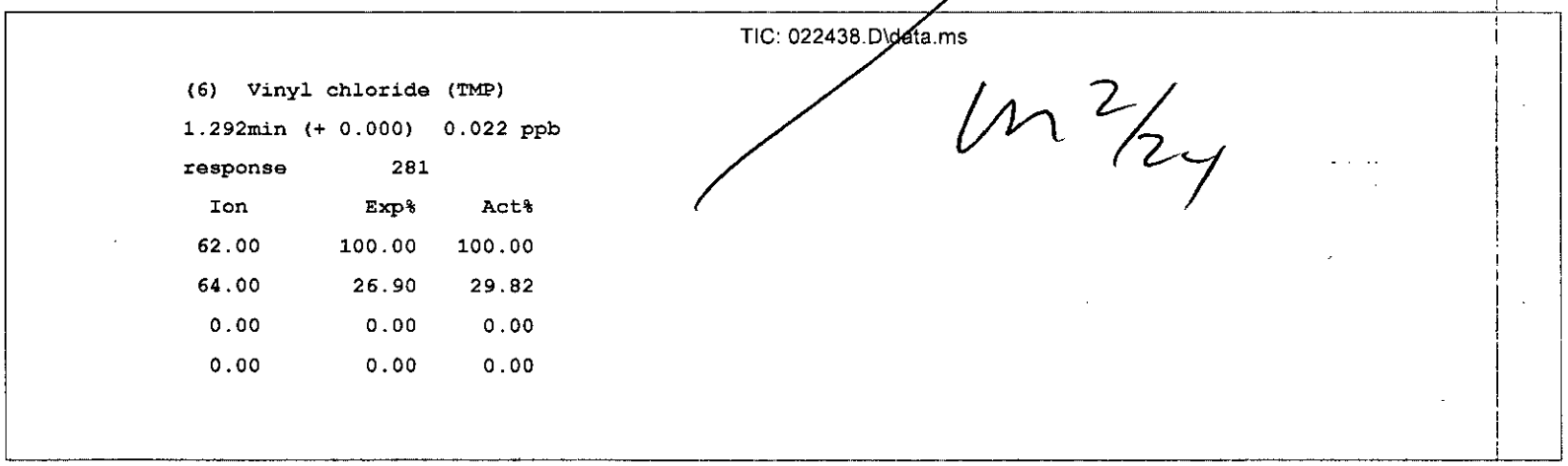
Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M







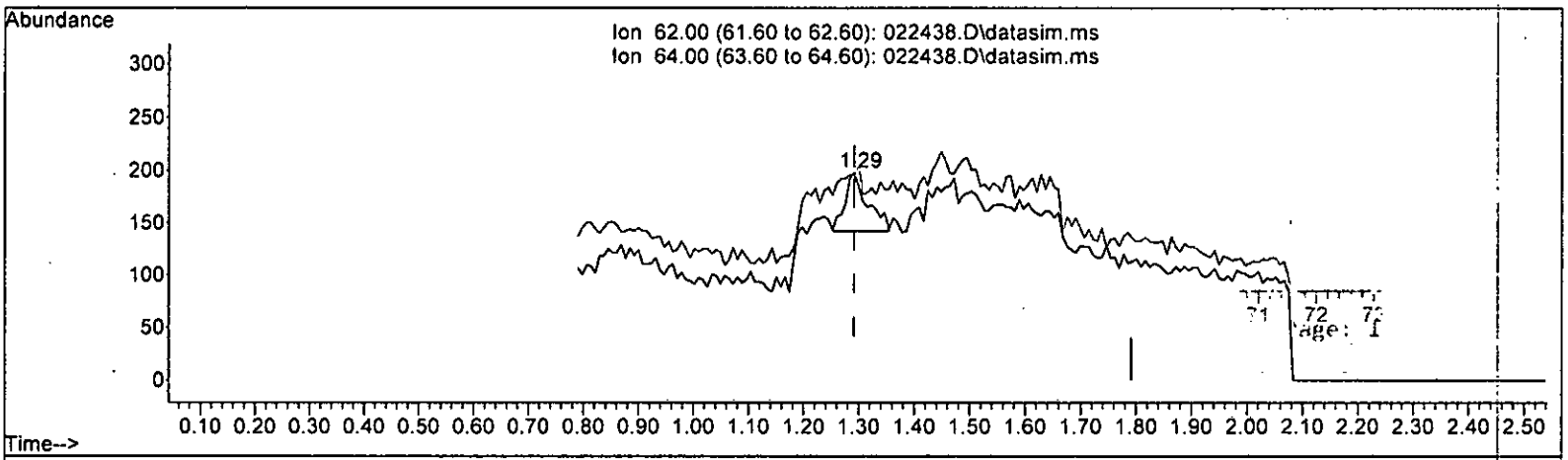
(6) Vinyl chloride (TMP)
1.292min (+ 0.000) 0.022 ppb
response 281

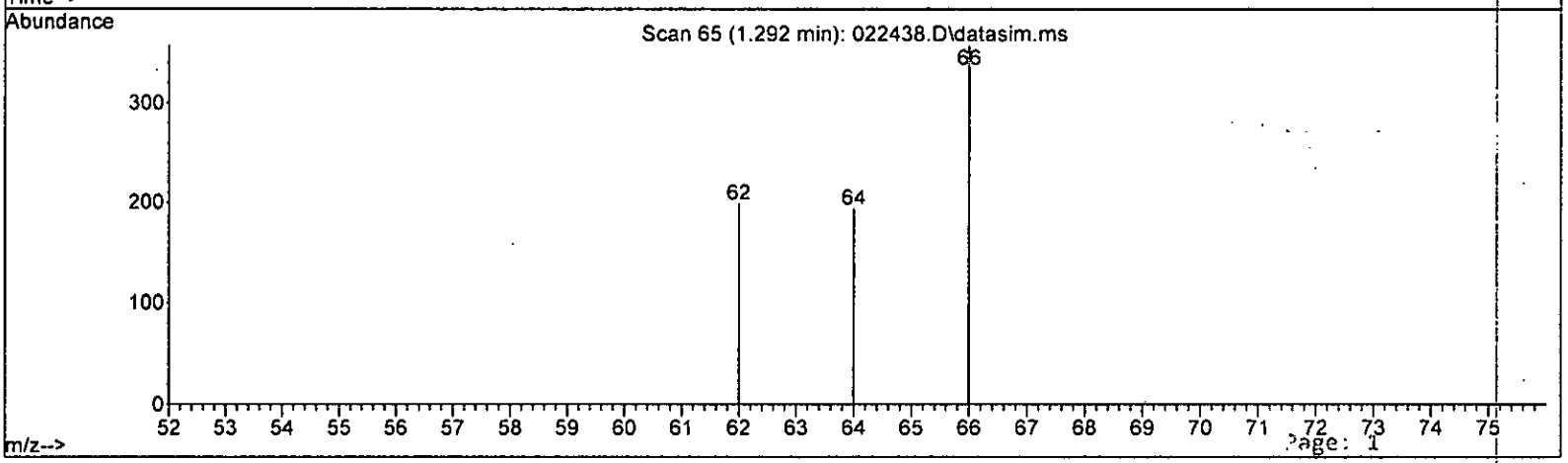
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	29.82
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022438.D\data.ms

(6) Vinyl chloride (TMP)

1.292min (+ 0.000) 0.013 ppb m

response 158

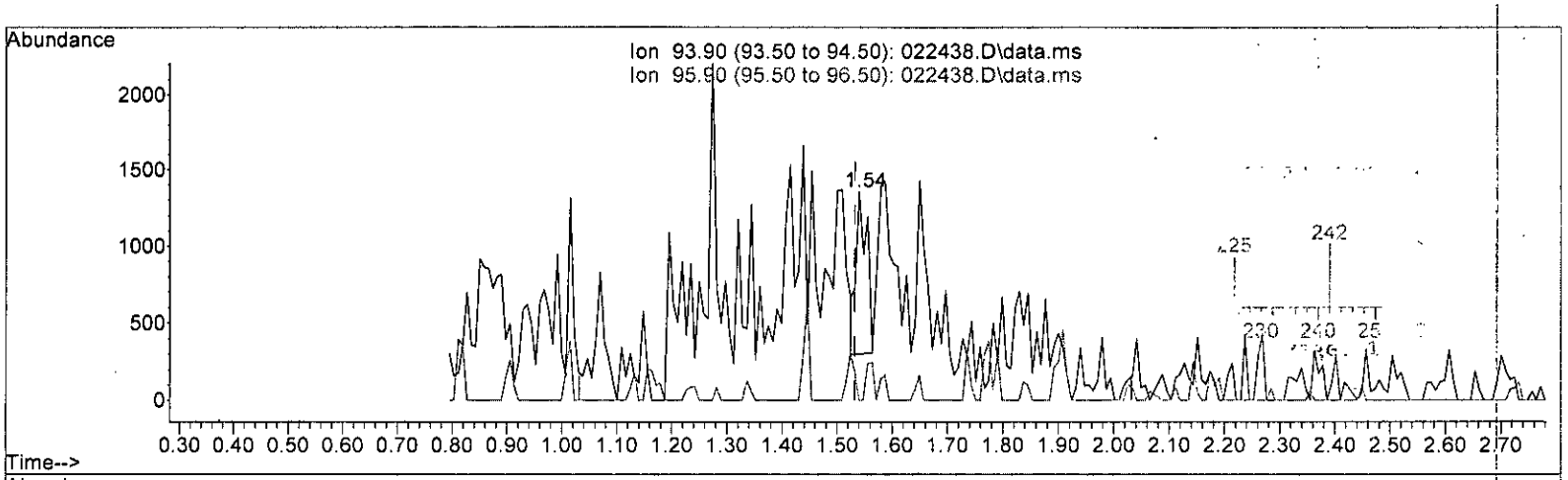
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	97.47#
0.00	0.00	0.00
0.00	0.00	0.00

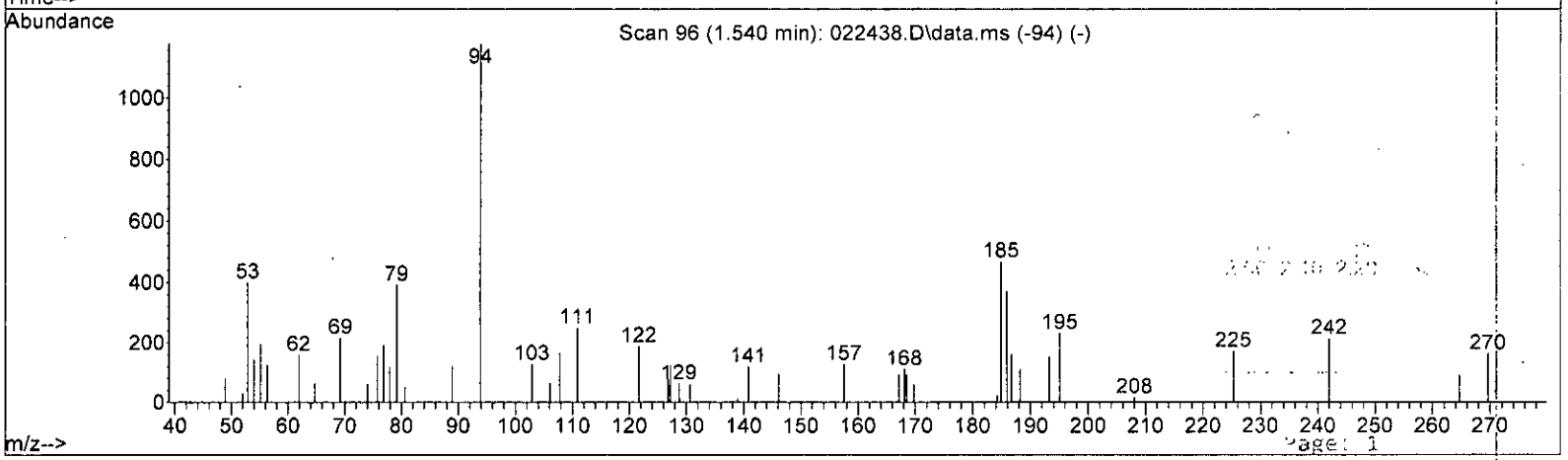
m2/24

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022438.D\data.ms

(7) Bromomethane (TMP)

1.540min (+ 0.008) 0.190 ppb

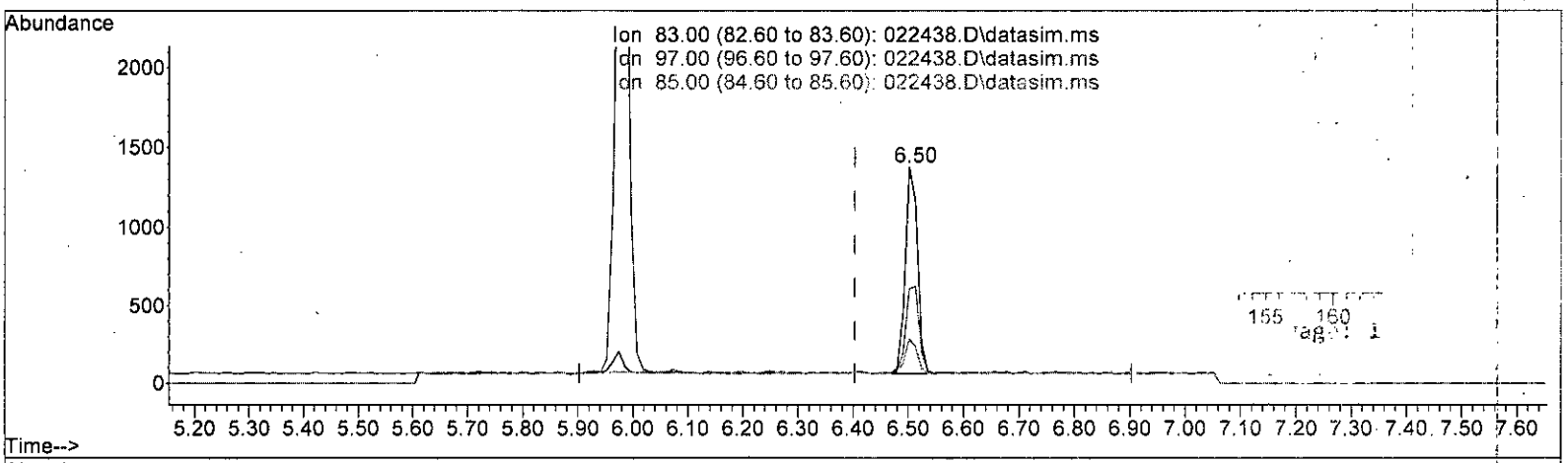
response 1417

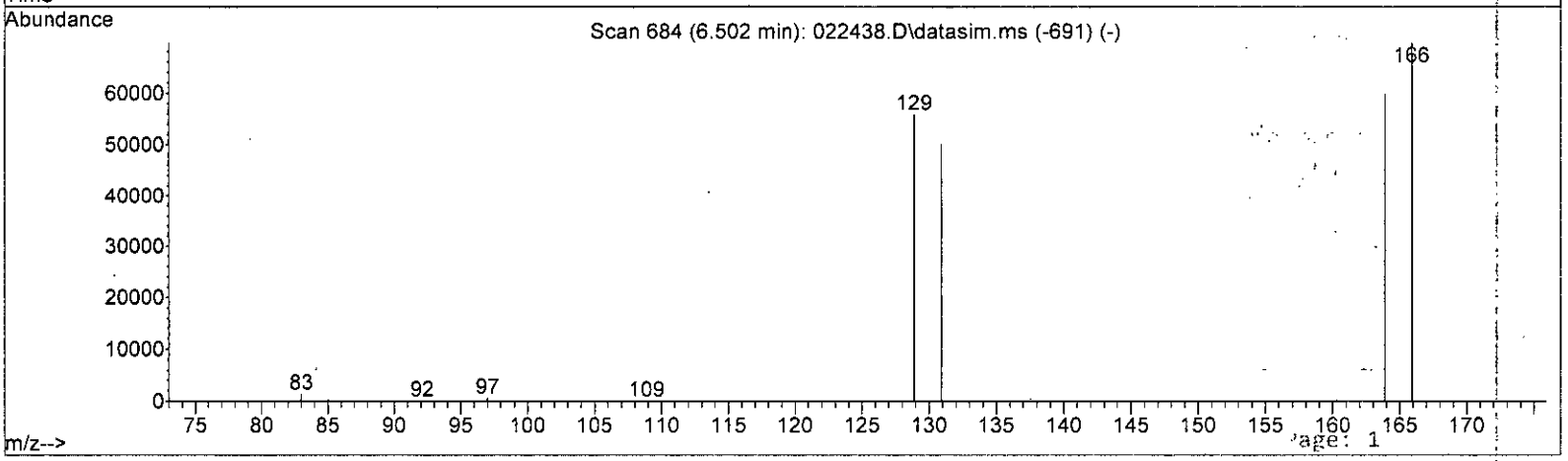
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022438.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)
6.502min (+ 0.099) 0.462 ppb
response 2017

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	118.00	41.28#
85.00	64.80	17.14#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

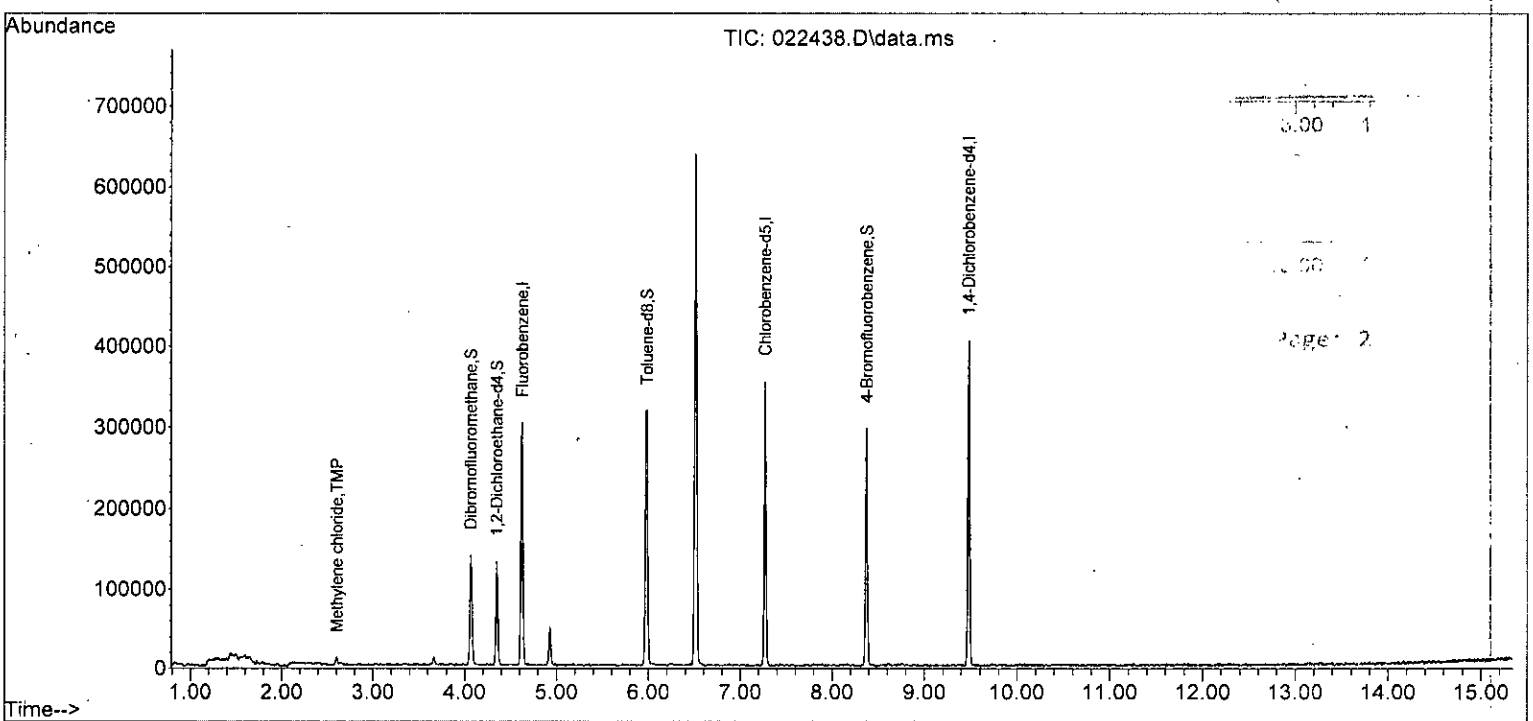
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	208489	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	166427	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	99617	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	62025	10.691	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.90%				
30) 1,2-Dichloroethane-d4	4.35	102	12542	9.729	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.30%				
35) Toluene-d8	5.98	98	195132	9.944	ppb		0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.40%				
57) 4-Bromofluorobenzene	8.38	95	67229	9.316	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 93.20%				
Target Compounds							Qvalue
6] Vinyl chloride	1.29	62	158m	0.013	ppb		
12] 1,1-Dichloroethene	2.18	96	182	0.029	ppb		91
14) Methylene chloride	2.61	84	2535	0.436	ppb	#	70
17] trans-1,2-Dichloroethene	2.82	96	82	Below Cal			85
21) 2,2-Dichloropropane	3.67	77	227	Below Cal			53
22] cis-1,2-Dichloroethene	3.66	96	3100	0.503	ppb		90
26] 1,2-Dichloroethane (EDC)	4.41	62	203	Below Cal			93
32] Trichloroethene	4.93	95	12772	2.028	ppb		94
45] Tetrachloroethene	6.51	164	142780	21.305	ppb		98
51] m,p-Xylene	7.51	106	114	Below Cal			92
61) 1,1,2,2-Tetrachloroethane	8.72	83	73	Below Cal		#	24

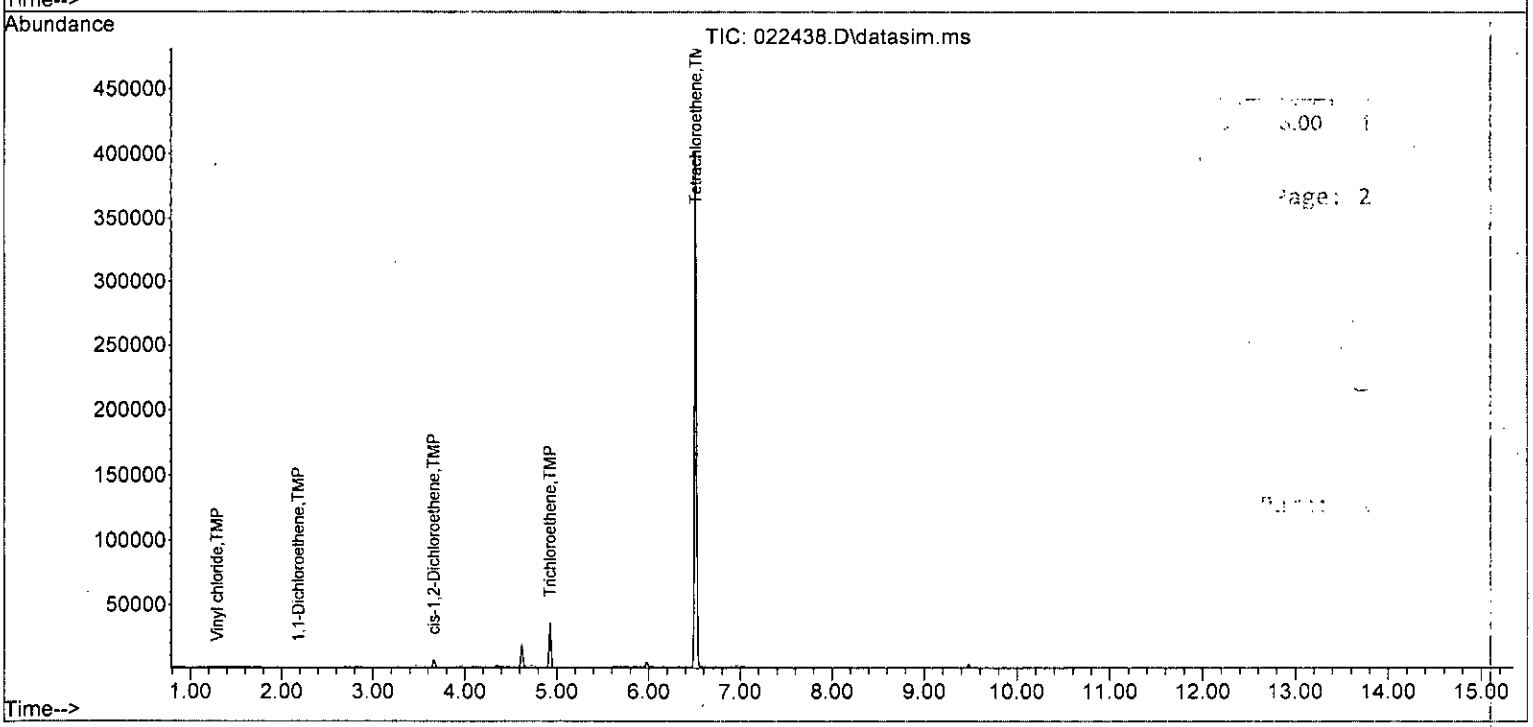
(#) = qualifier out of range (m) = manual integration (+) = signals summed

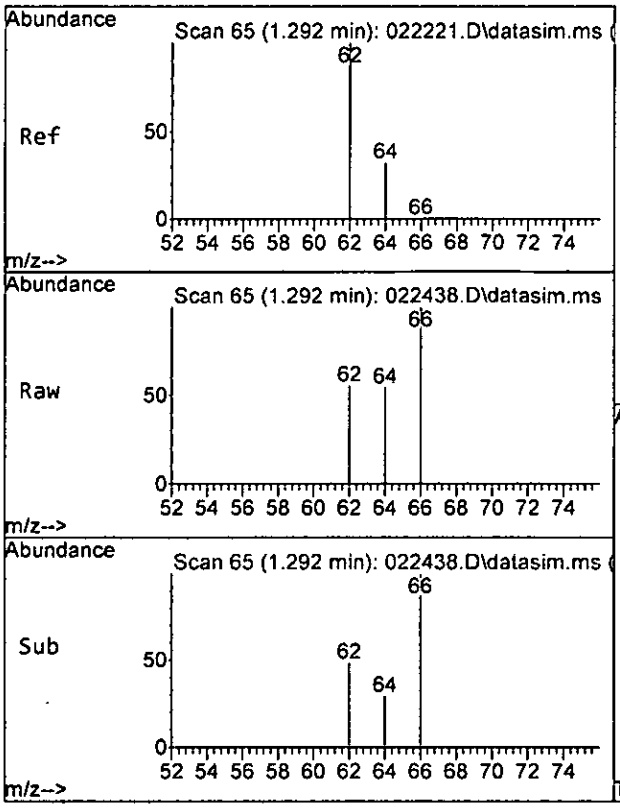
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



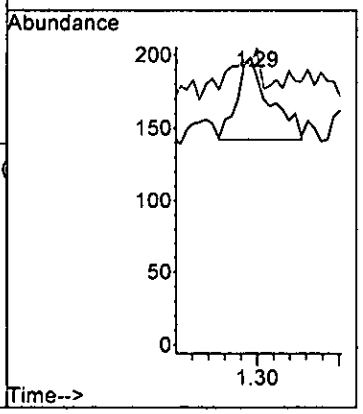


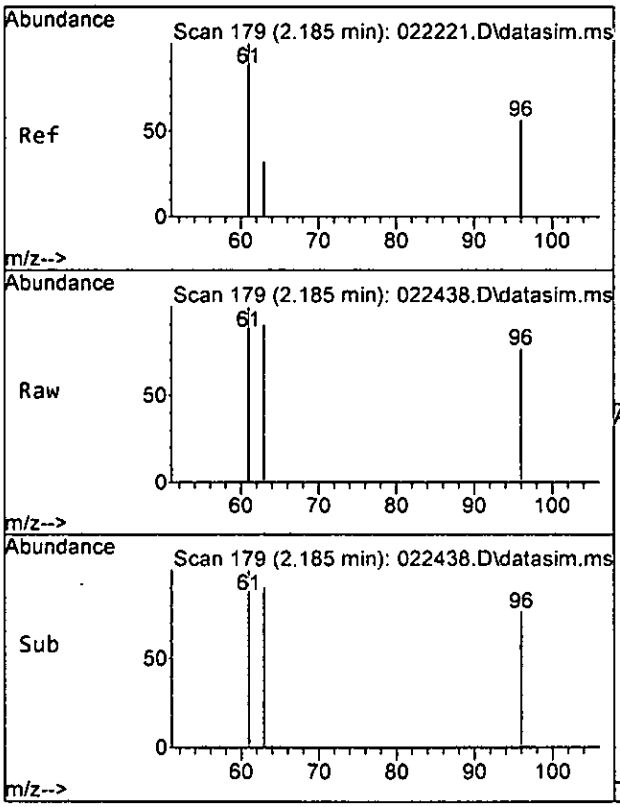


#6
Vinyl chloride
Concen: 0.013 ppb m
RT: 1.29 min Scan# 65
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 62 Resp: 158

Ion	Ratio	Lower	Upper
62	100		
64	97.5	0.0	56.9#

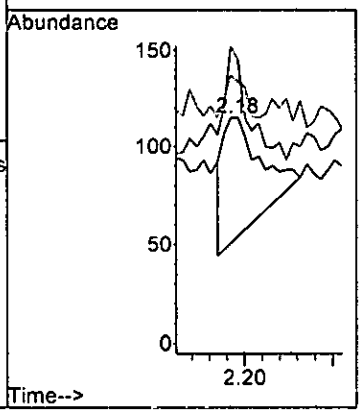


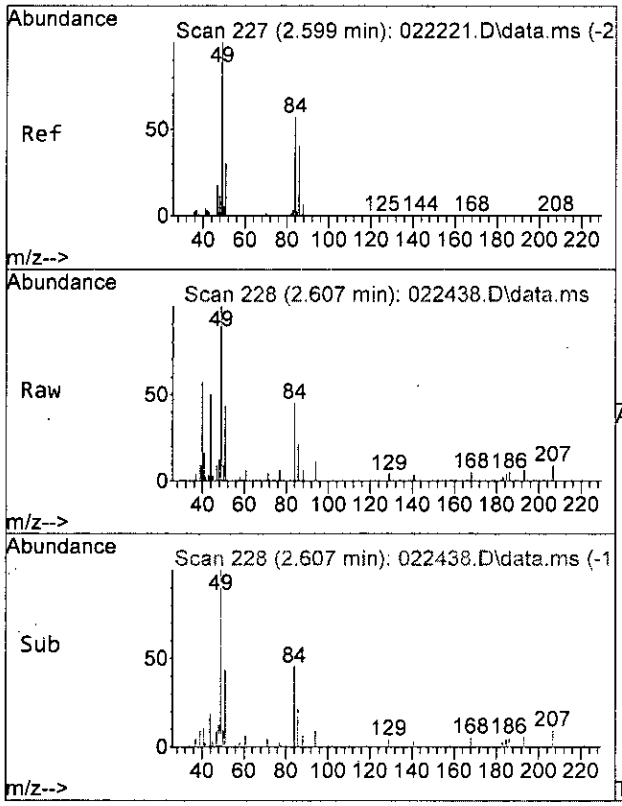


#12
1,1-Dichloroethene
Concen: 0.029 ppb
RT: 2.18 min Scan# 179
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 96 Resp: 182

Ion	Ratio	Lower	Upper
96	100		
61	167.7	145.6	205.6
63	71.0	27.4	87.4

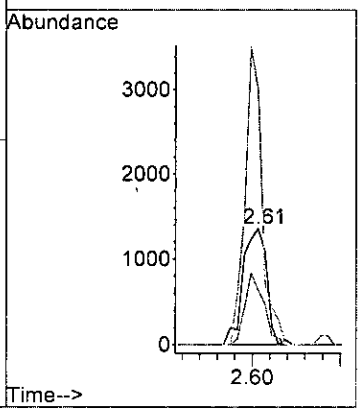


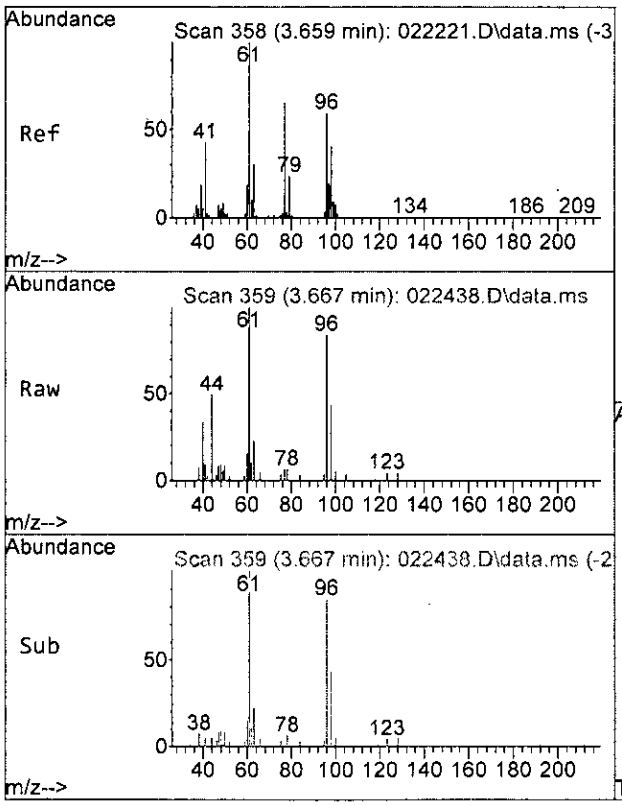


#14
Methylene chloride
Concen: 0.436 ppb
RT: 2.61 min Scan# 228
Delta R.T. 0.008 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 84 Resp: 2535

Ion	Ratio	Lower	Upper
84	100		
86	46.8	40.3	100.3
49	220.8	147.3	207.3#

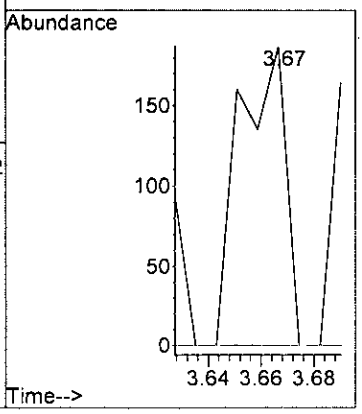


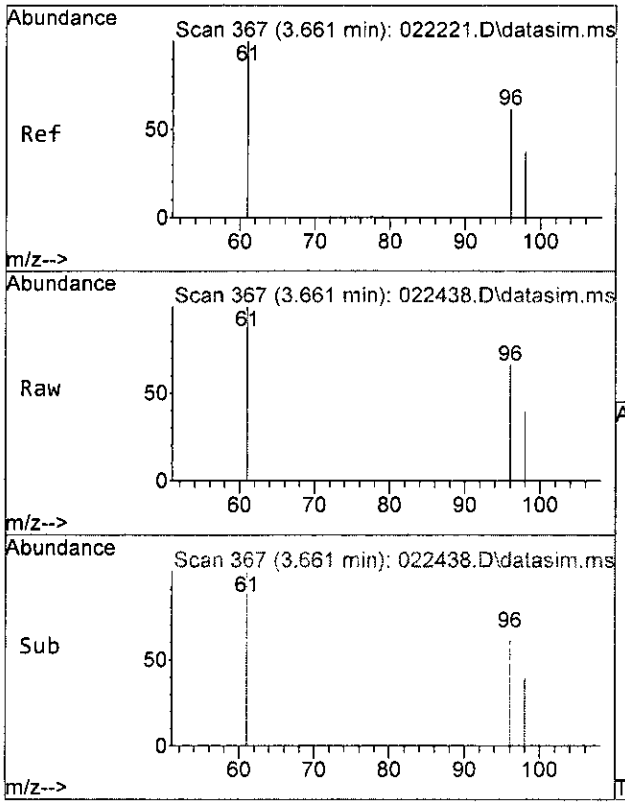


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.67 min Scan# 359
Delta R.T. 0.008 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 77 Resp: 227

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

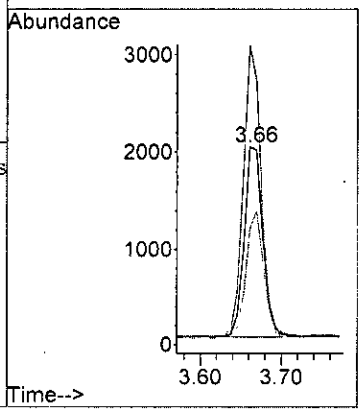


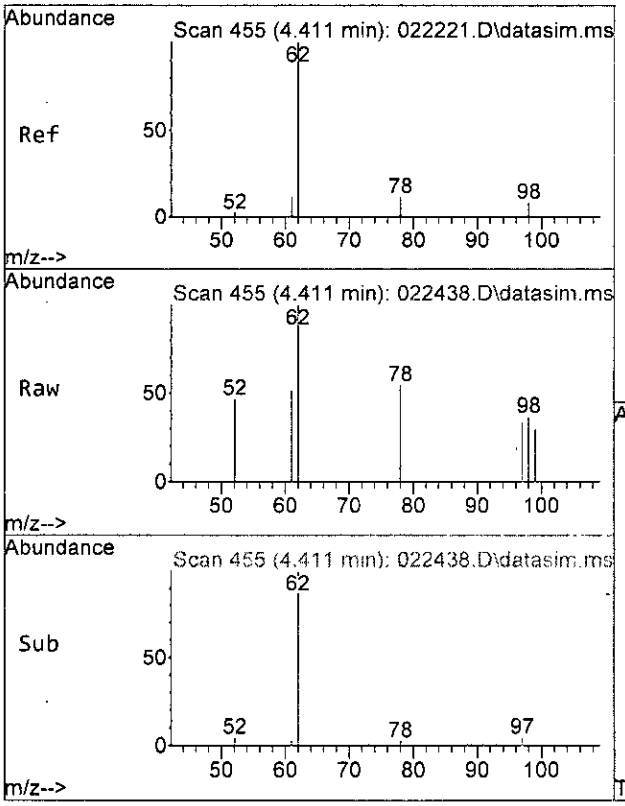


#22
cis-1,2-Dichloroethene
Concen: 0.503 ppb
RT: 3.66 min Scan# 367
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 96 Resp: 3100

Ion	Ratio	Lower	Upper
96	100		
61	152.4	139.8	199.8
98	57.9	30.7	90.7

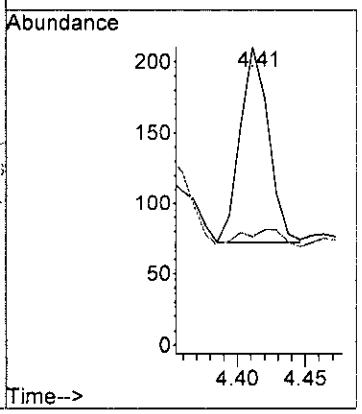


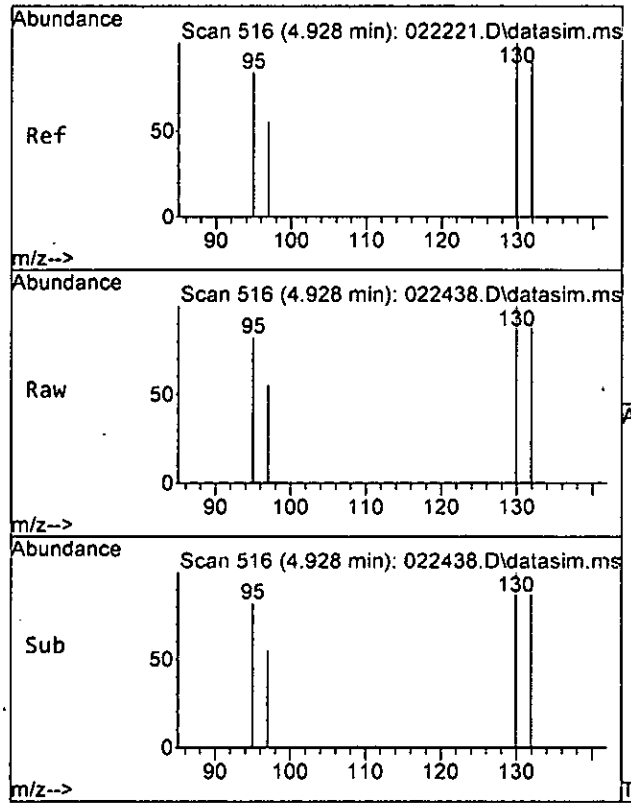


#26
1,2-Dichloroethane (EDC)
Concen: Below Cal
RT: 4.41 min Scan# 455
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 62 Resp: 203

Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	37.6

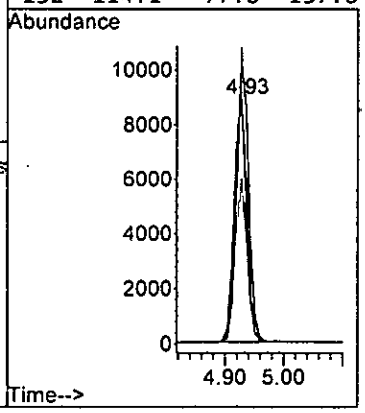


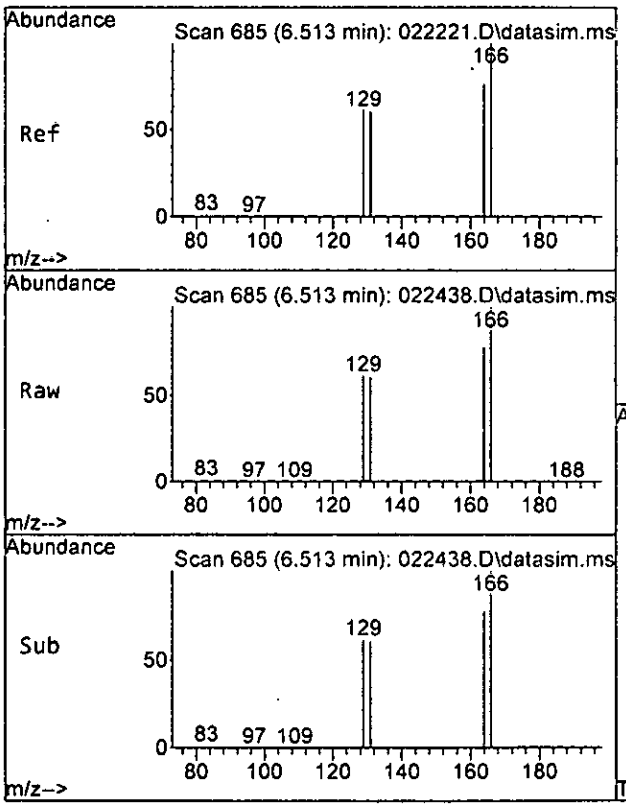


#32
Trichloroethene
Concen: 2.028 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion: 95 Resp: 12772

Ion	Ratio	Lower	Upper
95	100		
97	66.9	36.5	96.5
130	121.6	83.1	143.1
132	114.1	77.8	137.8

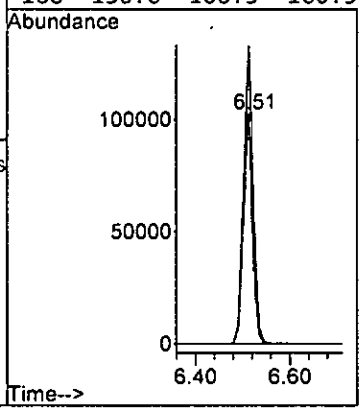


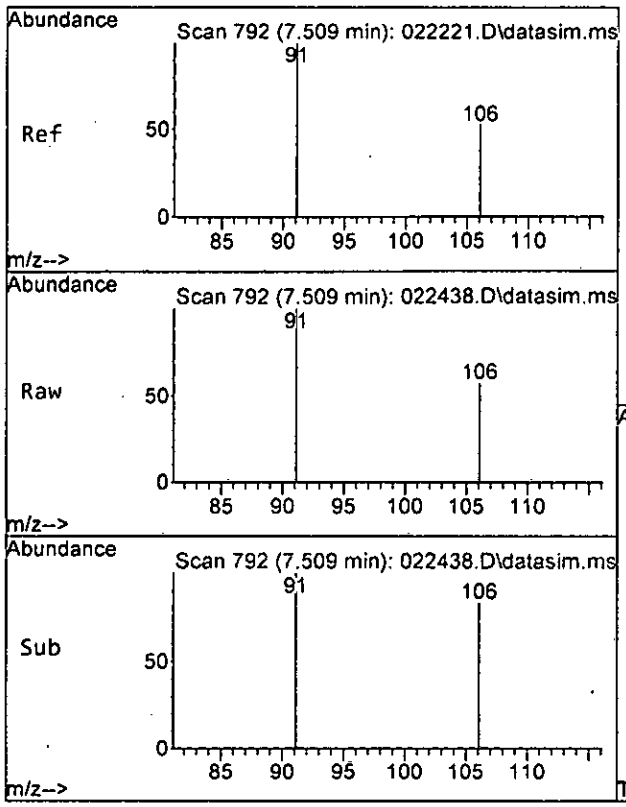


#45
Tetrachloroethene
Concen: 21.305 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion:164 Resp: 142780

Ion	Ratio	Lower	Upper
164	100		
129	79.1	52.8	112.8
131	78.6	52.4	112.4
166	130.6	100.5	160.5

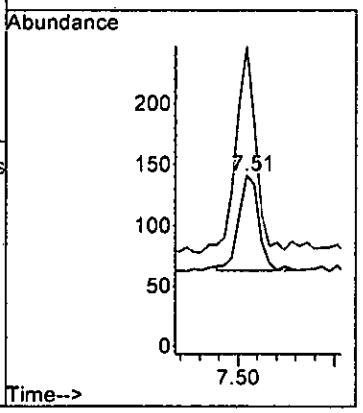




#51
m,p-Xylene
Concen: Below Cal
RT: 7.51 min Scan# 792
Delta R.T. 0.000 min
Lab File: 022438.D
Acq: 24 Feb 2023 07:40 pm

Tgt Ion:106 Resp: 114

Ion	Ratio	Lower	Upper
106	100		
91	211.5	169.6	229.6



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	208489	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	166427	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	99617	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	62025	10.691	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.90%			
30) 1,2-Dichloroethane-d4	4.35	102	12542	9.729	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 97.30%			
35) Toluene-d8	5.98	98	195132	9.944	ppb	0.01
Spiked Amount 10.000	Range 84 - 115		Recovery = 99.40%			
57) 4-Bromofluorobenzene	8.38	95	67229	9.316	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 93.20%			
Target Compounds						Qvalue
2) Ethanol	1.86	45	128	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	0.00		0	N.D.		
6] Vinyl chloride	1.29	62	158m	0.013	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.42	45	741	No Calib		
11) Acetone	2.28	58	222	N.D.		
12] 1,1-Dichloroethene	2.18	96	182	0.029	ppb	91
13) Hexane	3.09	57	62	N.D.		
14) Methylene chloride	2.61	84	2535	0.436	ppb #	70
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.82	96	82	Below Cal		85
18) Diisopropyl ether (DIPE)	3.25	45	342	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.67	77	227	Below Cal		53
22] cis-1,2-Dichloroethene	3.66	96	3100	0.503	ppb	90
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.68	43	159	N.D.		
25) t-Amyl methyl ether (T...	4.57	73	64	N.D.		
26] 1,2-Dichloroethane (EDC)	4.41	62	203	Below Cal		93
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	4.31	117	102	N.D.		
31) Benzene	4.39	78	135	N.D.		
32] Trichloroethene	4.93	95	12772	2.028	ppb	94
33) 1,2-Dichloropropane	5.12	63	94	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

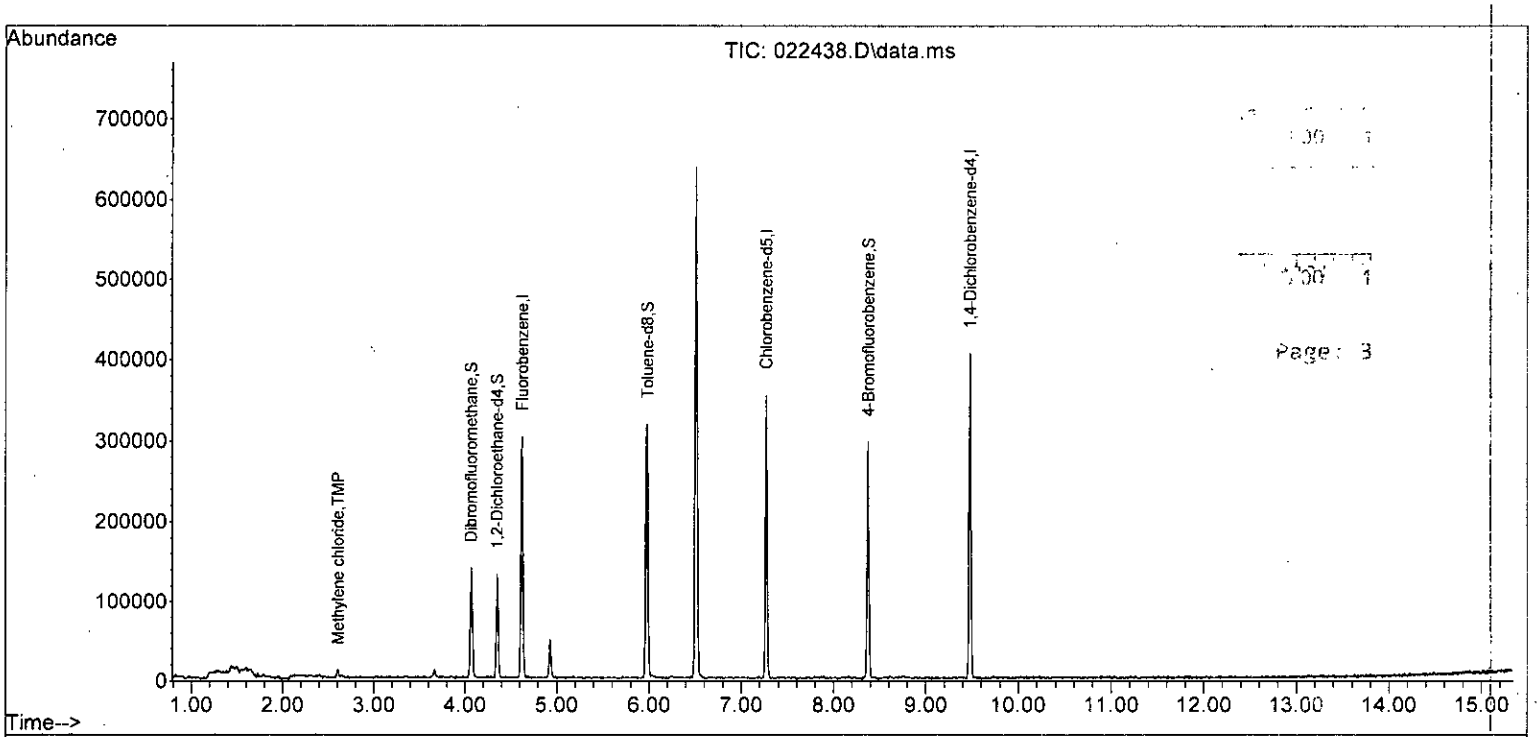
Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

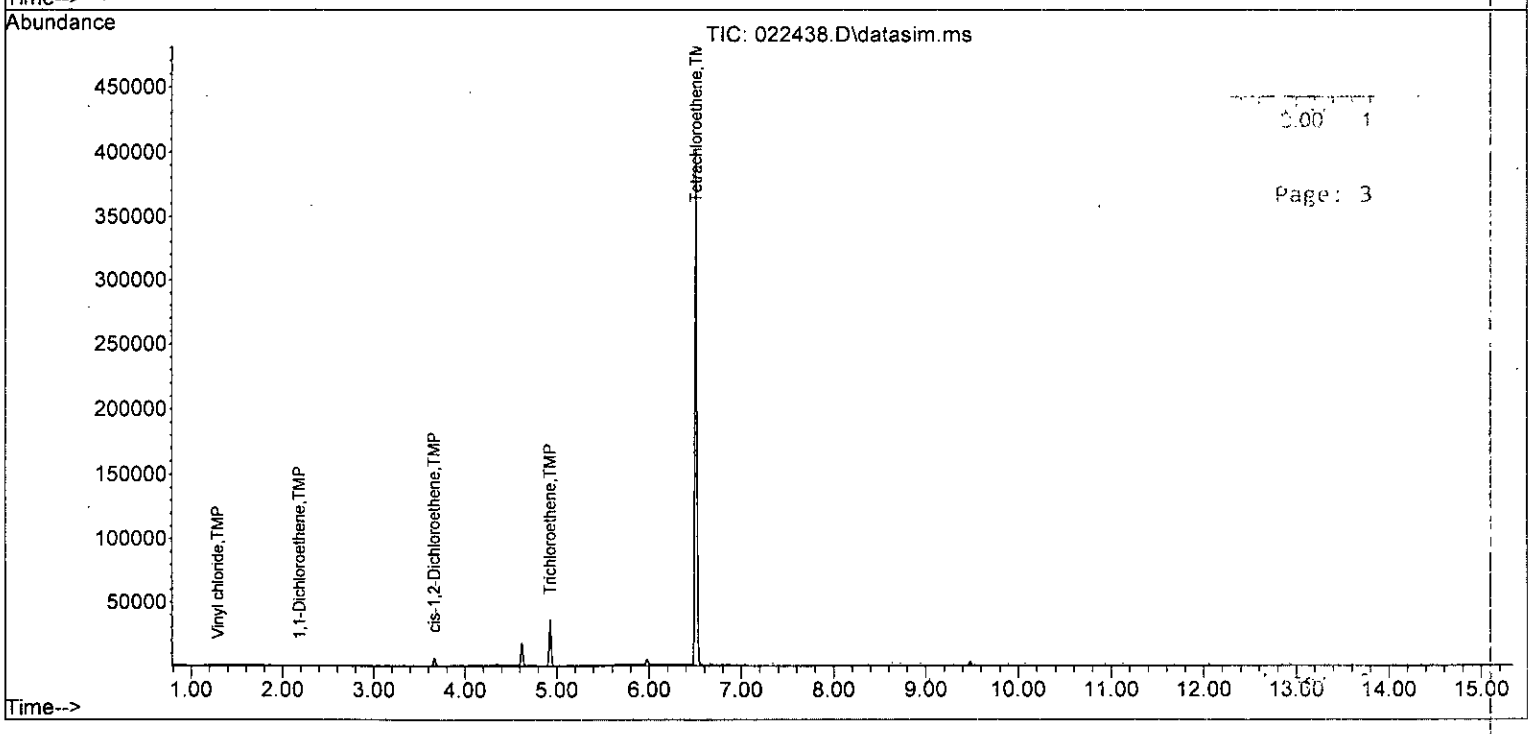
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	5.77	75	152	N.D.	
40) Toluene	6.03	92	108	N.D.	
41) trans-1,3-Dichloropropene	6.25	75	289	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D. d	
43) 2-Hexanone	6.66	43	607	N.D.	
44) 1,3-Dichloropropane	6.49	76	419	N.D.	
45] Tetrachloroethene	6.51	164	142780	21.305 ppb	98
46) Dibromochloromethane	6.68	129	173	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	7.30	112	73	N.D.	
49) Ethylbenzene	7.40	91	234	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.51	106	114	Below Cal	92
52) o-Xylene	7.88	106	52	N.D.	
53) Styrene	7.90	104	279	N.D.	
54) Isopropylbenzene	8.23	105	211	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.61	91	188	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.80	105	241	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.72	83	73	Below Cal #	24
62) 1,2,3-Trichloropropane	8.57	75	95	N.D.	
63) 2-Chlorotoluene	8.71	91	179	N.D.	
64) 4-Chlorotoluene	8.79	91	428	N.D.	
65) tert-Butylbenzene	9.15	119	62	N.D.	
66) 1,2,4-Trimethylbenzene	9.13	105	180	N.D.	
67) sec-Butylbenzene	9.31	105	152	N.D.	
68) p-Isopropyltoluene	9.46	119	113	N.D.	
69) 1,3-Dichlorobenzene	9.41	146	289	N.D.	
70) 1,4-Dichlorobenzene	9.51	146	75	N.D.	
71) 1,2-Dichlorobenzene	9.85	146	159	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.61	75	70	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	395	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.78	128	63	N.D.	
76) 1,2,3-Trichlorobenzene	11.92	180	112	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-24-23\
Data File : 022438.D
Acq On : 24 Feb 2023 07:40 pm
Operator : LM
Sample : 302300-08 1/100
Misc : water
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 27 10:36:54 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

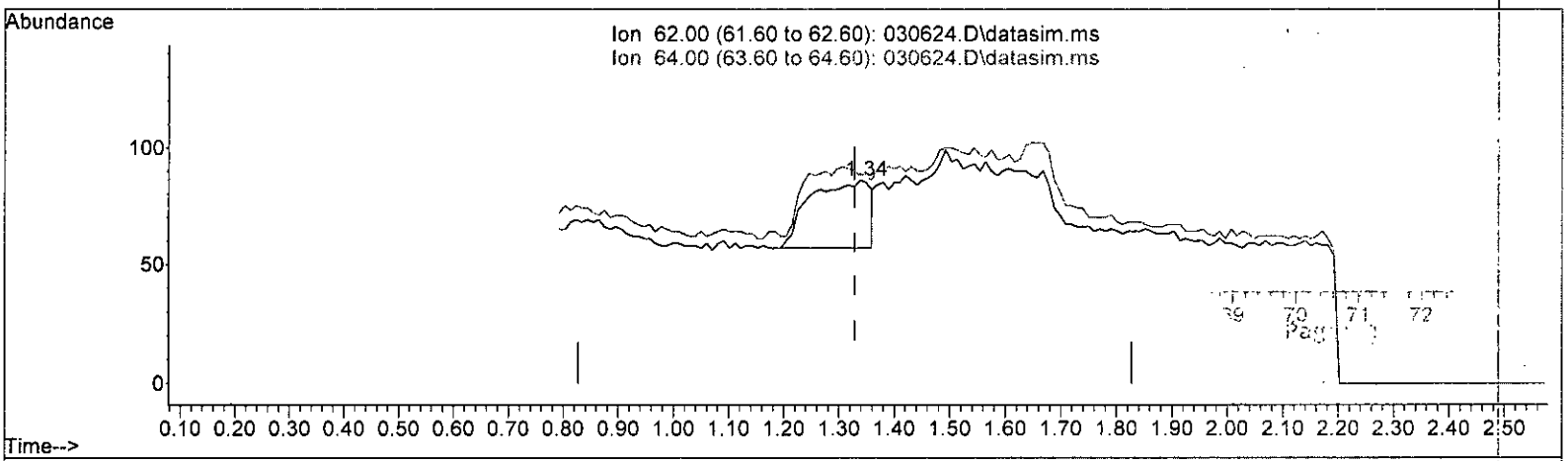


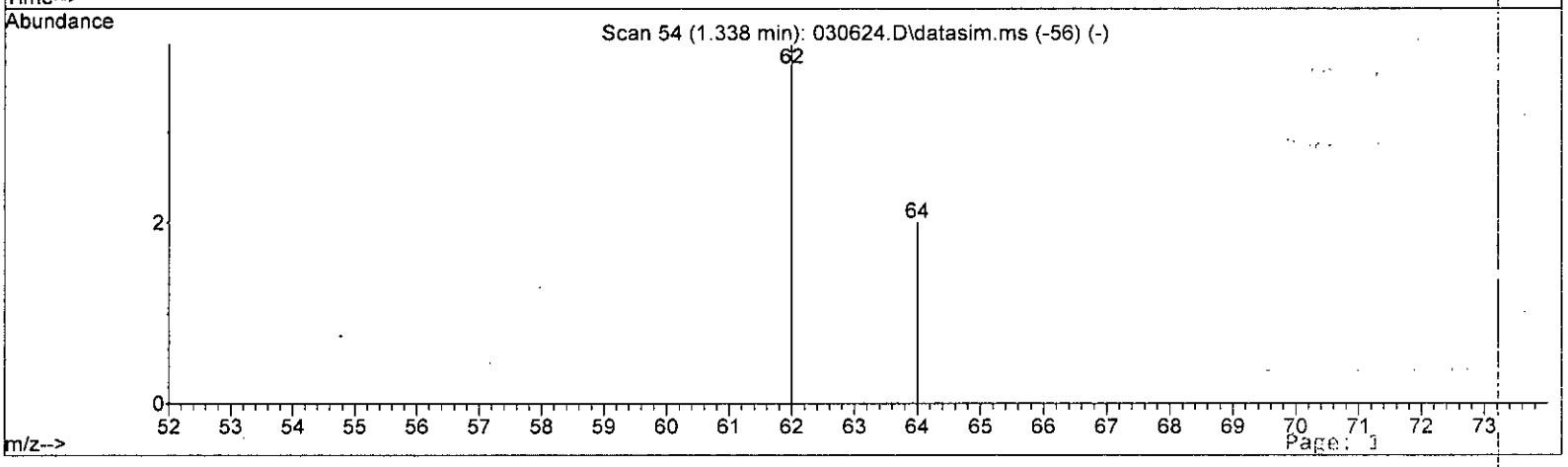


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030624.D\data.ms

(6) Vinyl chloride (TMP)

1.338min (+ 0.010) 0.089 ppb

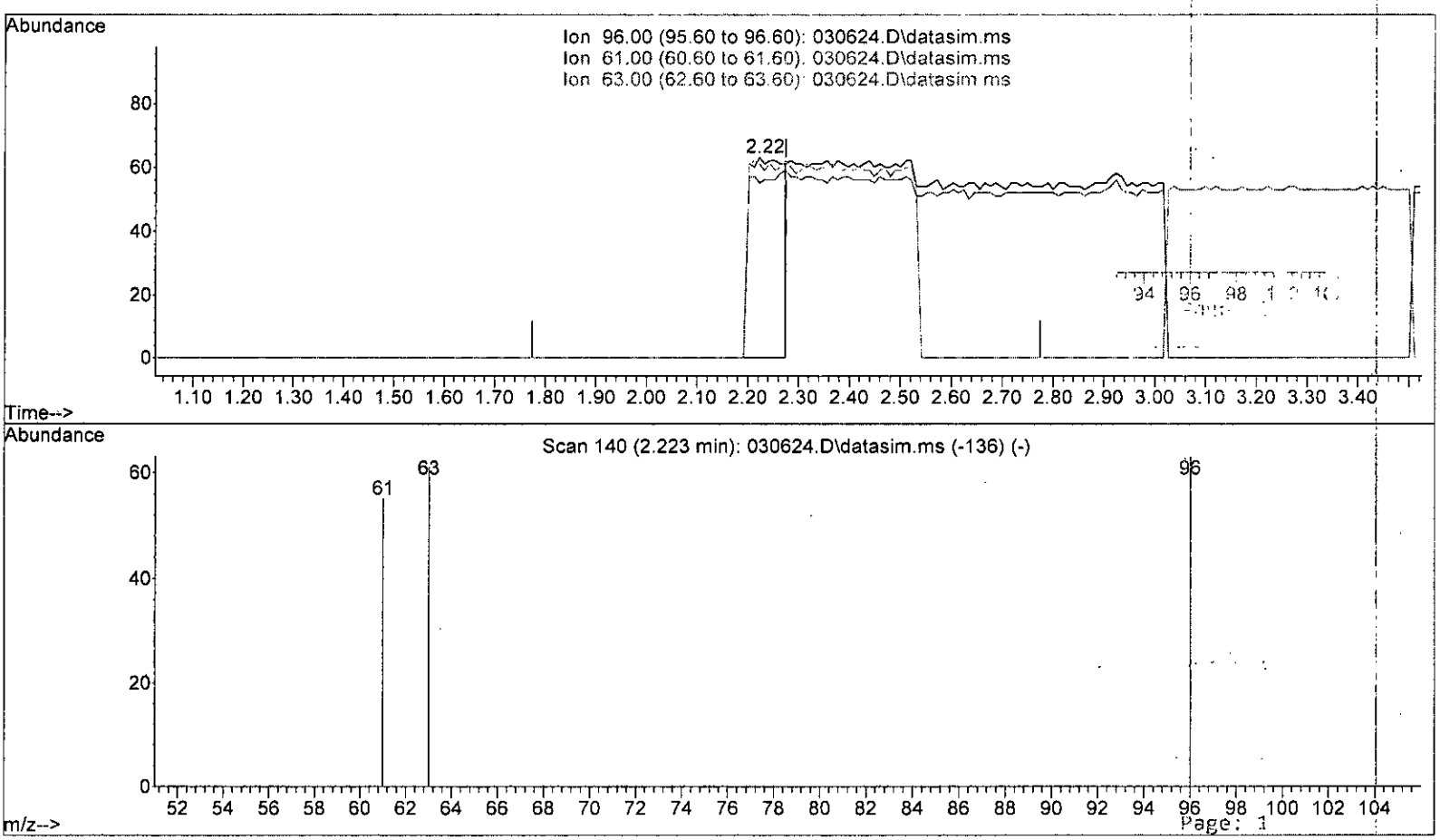
response 216

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	82.76#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030624.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.223min (-0.052) 0.146 ppb

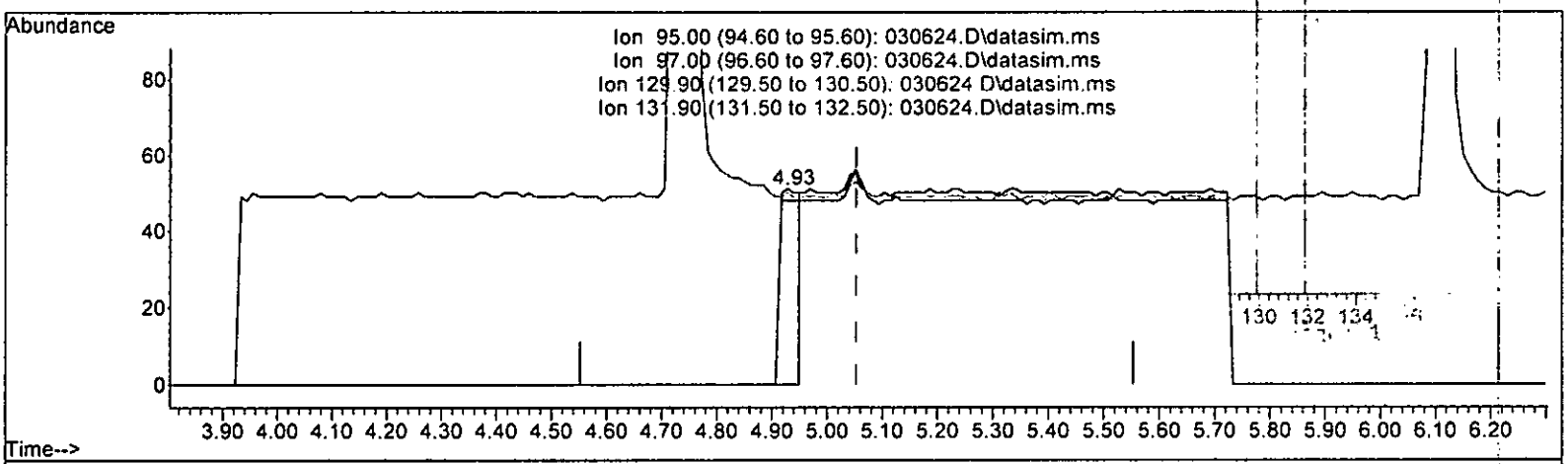
response 303

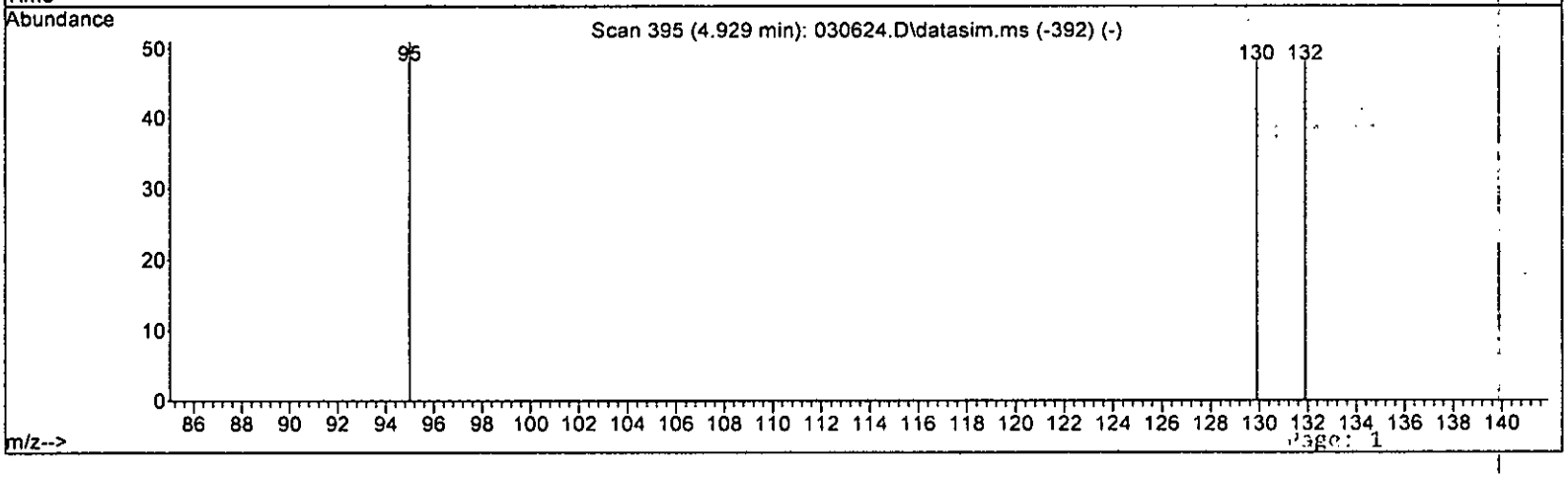
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	87.30
63.00	36.10	96.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030624.D\data.ms

(32) Trichloroethene (TMP)

4.929min (-0.124) 0.076 ppb

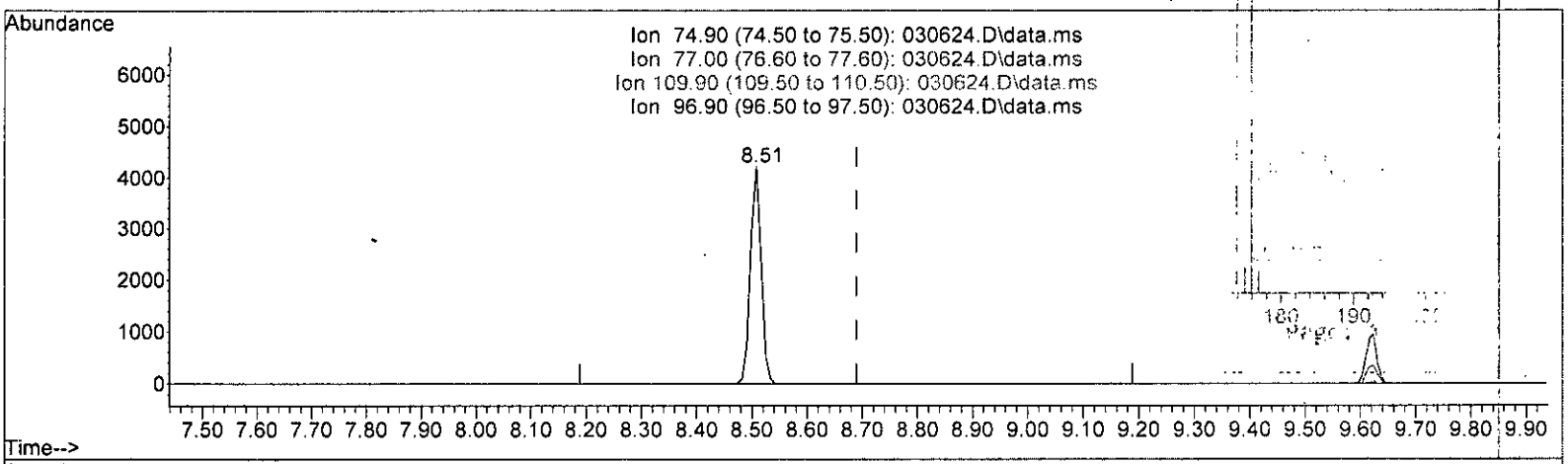
response 129

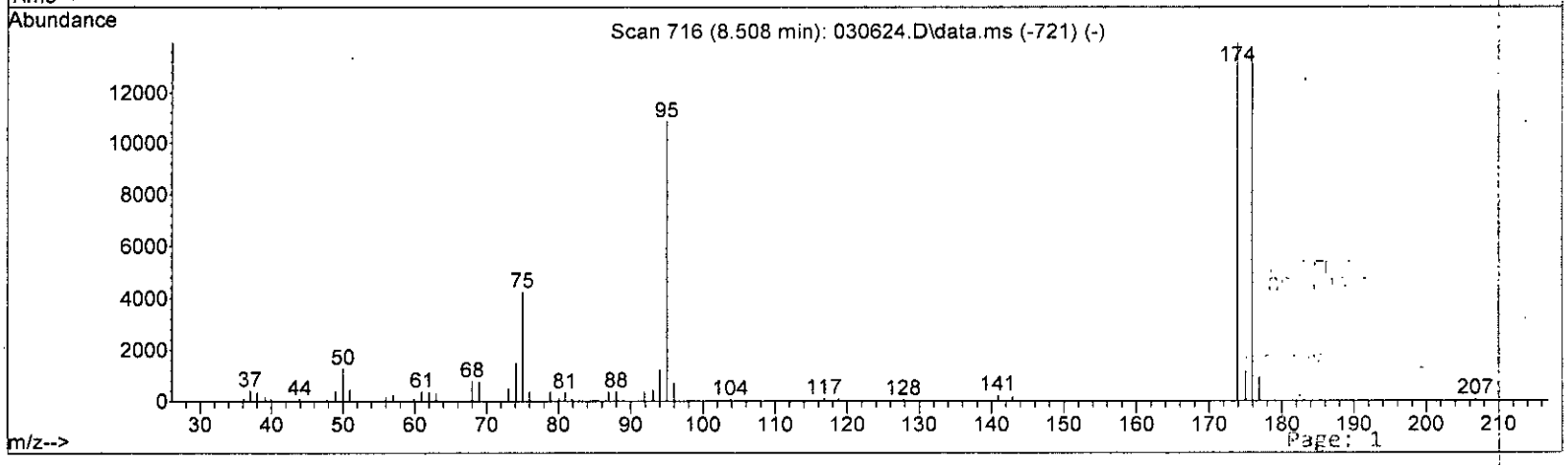
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	1.96#
129.90	158.20	94.12#
131.90	155.20	94.12#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030624.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 7.035 ppb

response 5725

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

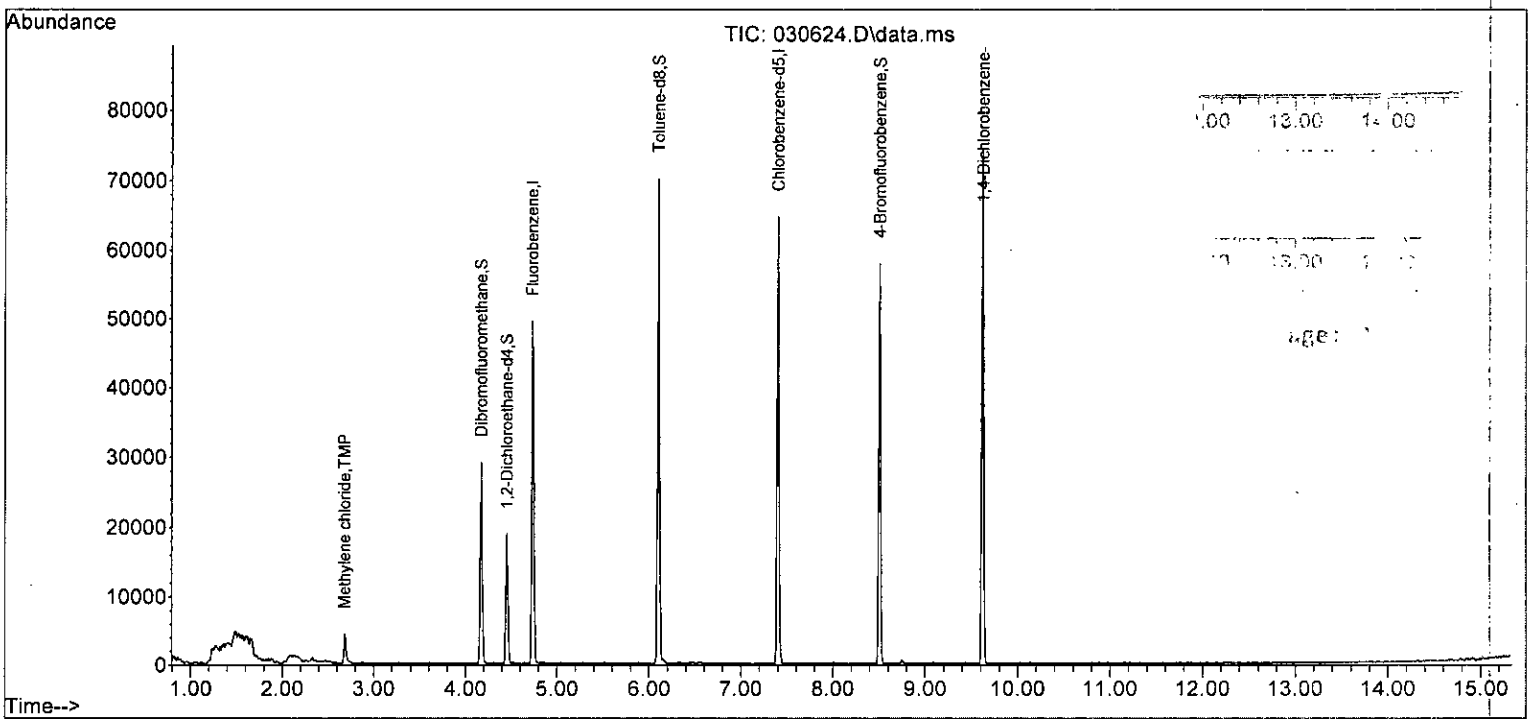
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	47024	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	40932	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22305	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	13894	9.463	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.60%			
30) 1,2-Dichloroethane-d4	4.45	102	2801	9.608	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.10%			
35) Toluene-d8	6.10	98	42308	9.663	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 96.60%			
57) 4-Bromofluorobenzene	8.51	95	14521	10.559	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.60%			
Target Compounds						Qvalue
8] Chloroethane	1.65	64	123	0.218	ppb #	1
14) Methylene chloride	2.68	84	2224	2.222	ppb	86
40] Toluene	6.16	92	29	Below Cal	#	67
45] Tetrachloroethene	6.65	164	81	0.038	ppb	98
49] Ethylbenzene	7.54	91	25	Below Cal		93
51] m,p-Xylene	7.65	106	23	Below Cal		100

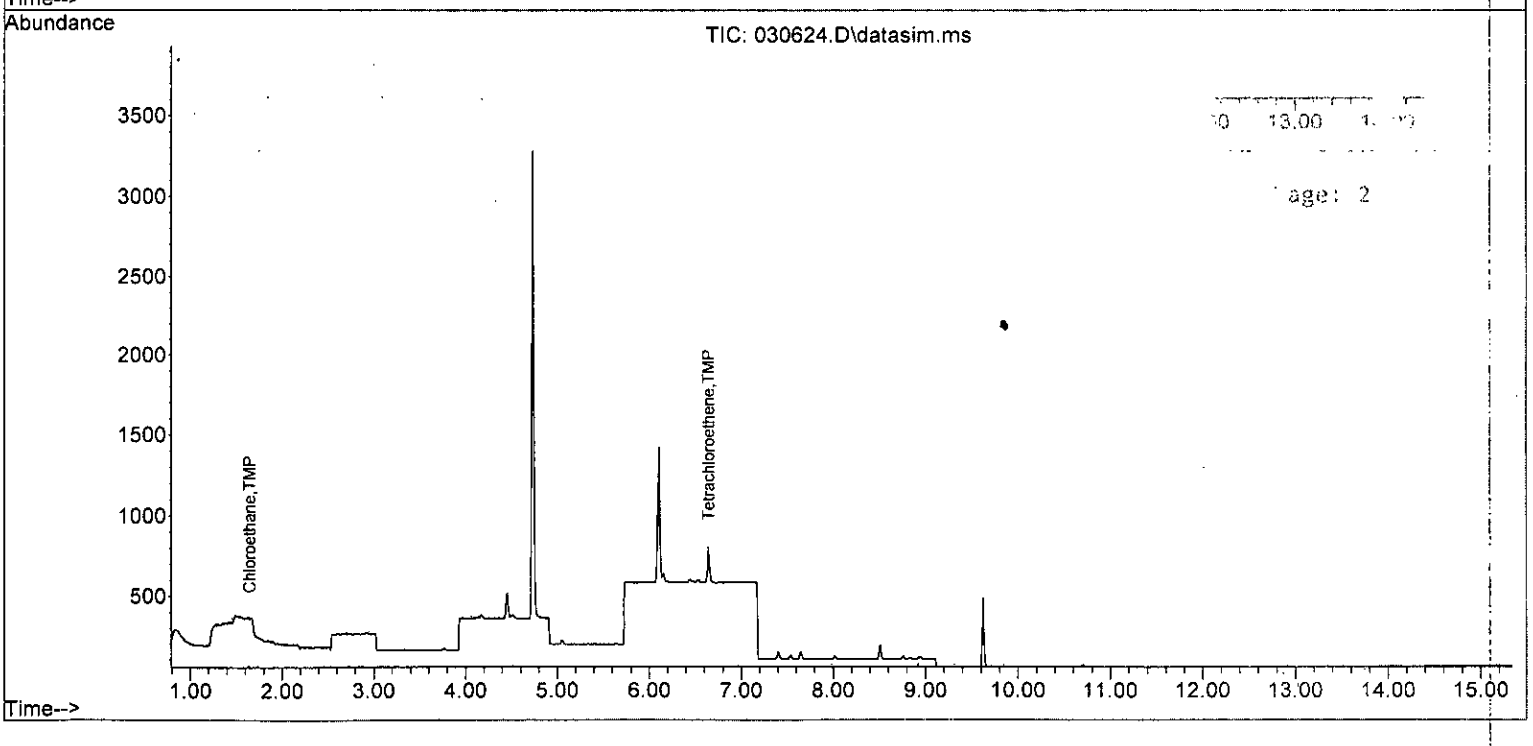
(#) = qualifier out of range (m) = manual integration (+) = signals summed

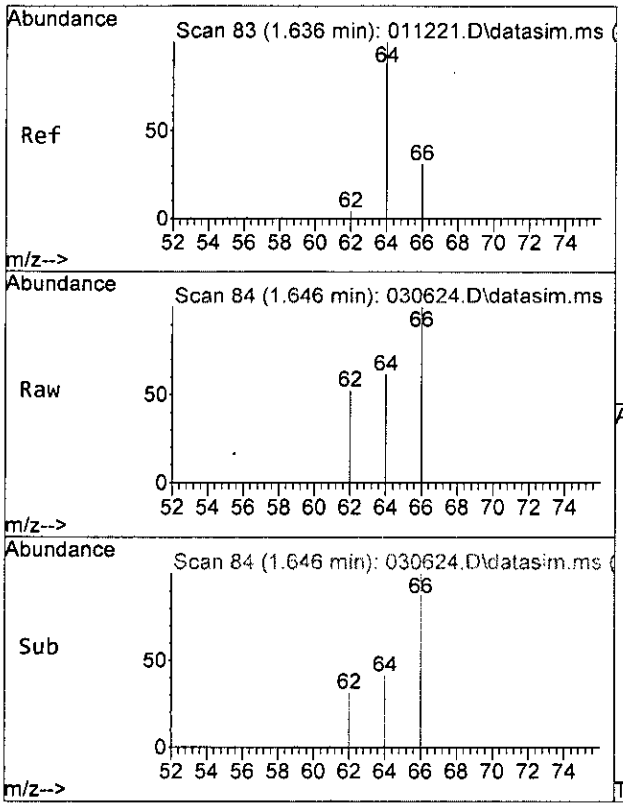
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



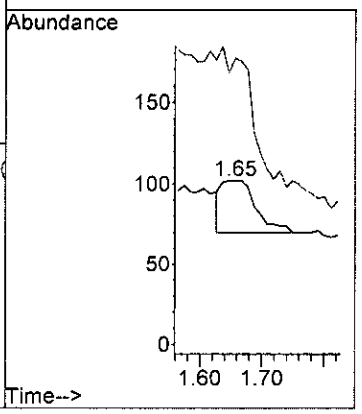


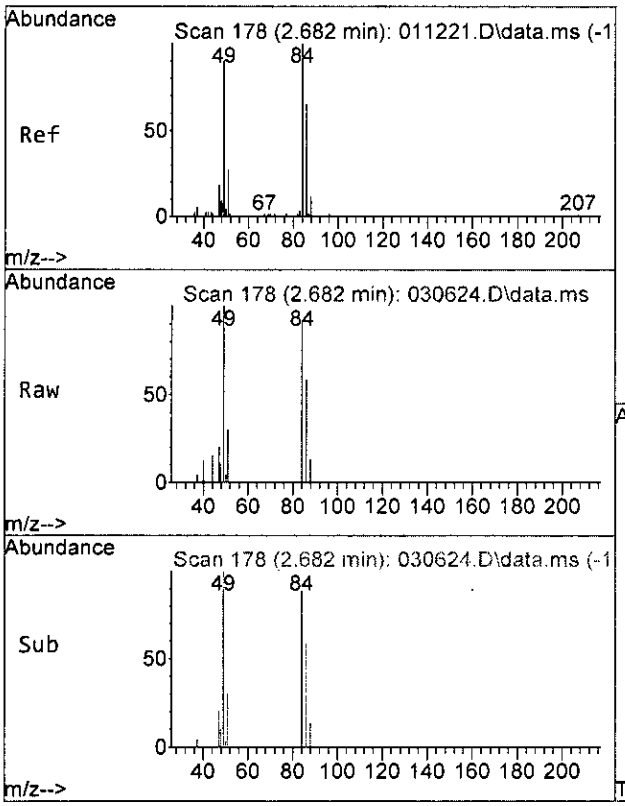


#8
Chloroethane
Concen: 0.218 ppb
RT: 1.65 min Scan# 84
Delta R.T. -0.011 min
Lab File: 030624.D
Acq: 06 Mar 2023 04:48 pm

Tgt Ion: 64 Resp: 123

Ion	Ratio	Lower	Upper
64	100		
66	212.5	5.3	65.3#

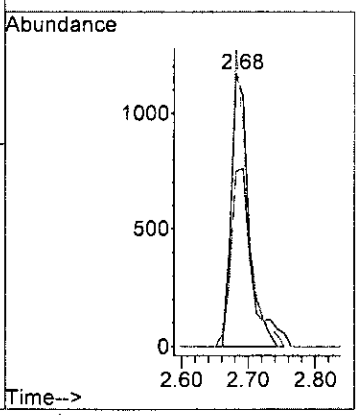


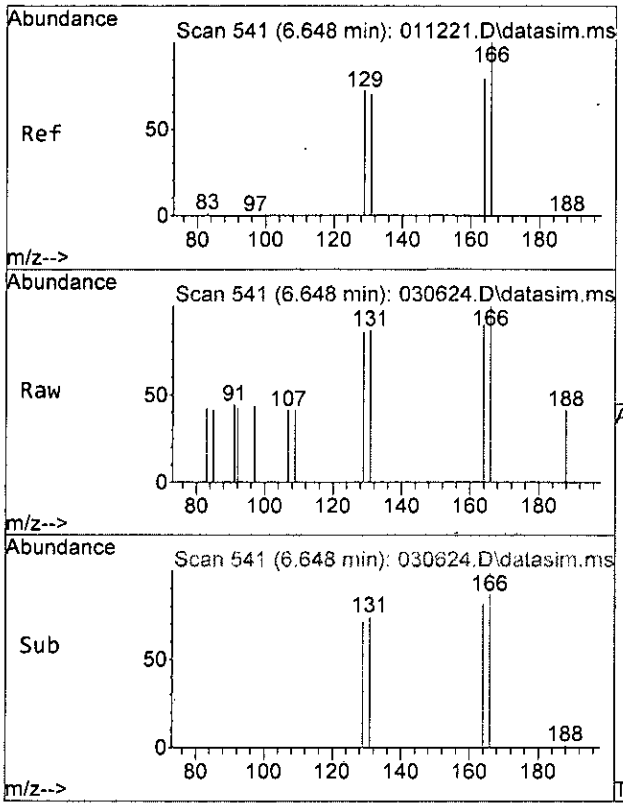


#14
Methylene chloride
Concen: 2.222 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.011 min
Lab File: 030624.D
Acq: 06 Mar 2023 04:48 pm

Tgt Ion: 84 Resp: 2224

Ion	Ratio	Lower	Upper
84	100		
86	63.8	35.3	95.3
49	109.2	57.8	117.8

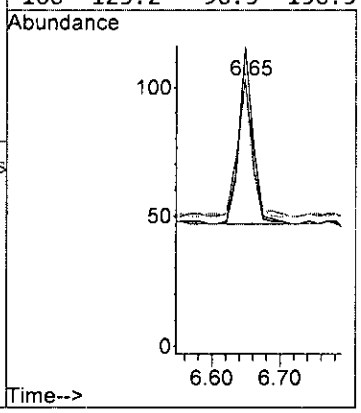




#45
Tetrachloroethene
Concen: 0.038 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030624.D
Acq: 06 Mar 2023 04:48 pm

Tgt Ion:164 Resp: 81

Ion	Ratio	Lower	Upper
164	100		
129	87.5	59.5	119.5
131	89.3	58.6	118.6
166	123.2	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	47024	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	40932	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22305	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	13894	9.463	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.60%				
30) 1,2-Dichloroethane-d4	4.45	102	2801	9.608	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.10%				
35) Toluene-d8	6.10	98	42308	9.663	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 96.60%				
57) 4-Bromofluorobenzene	8.51	95	14521	10.559	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.60%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	536	N.D.			
6) Vinyl chloride	0.00		0	N.D.	d		
7) Bromomethane	0.00		0	N.D.			
8] Chloroethane	1.65	64	123	0.218	ppb	#	1
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	112	N.D.			
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.68	84	2224	2.222	ppb		86
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	0.00		0	N.D.			
32) Trichloroethene	0.00		0	N.D.	d		
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

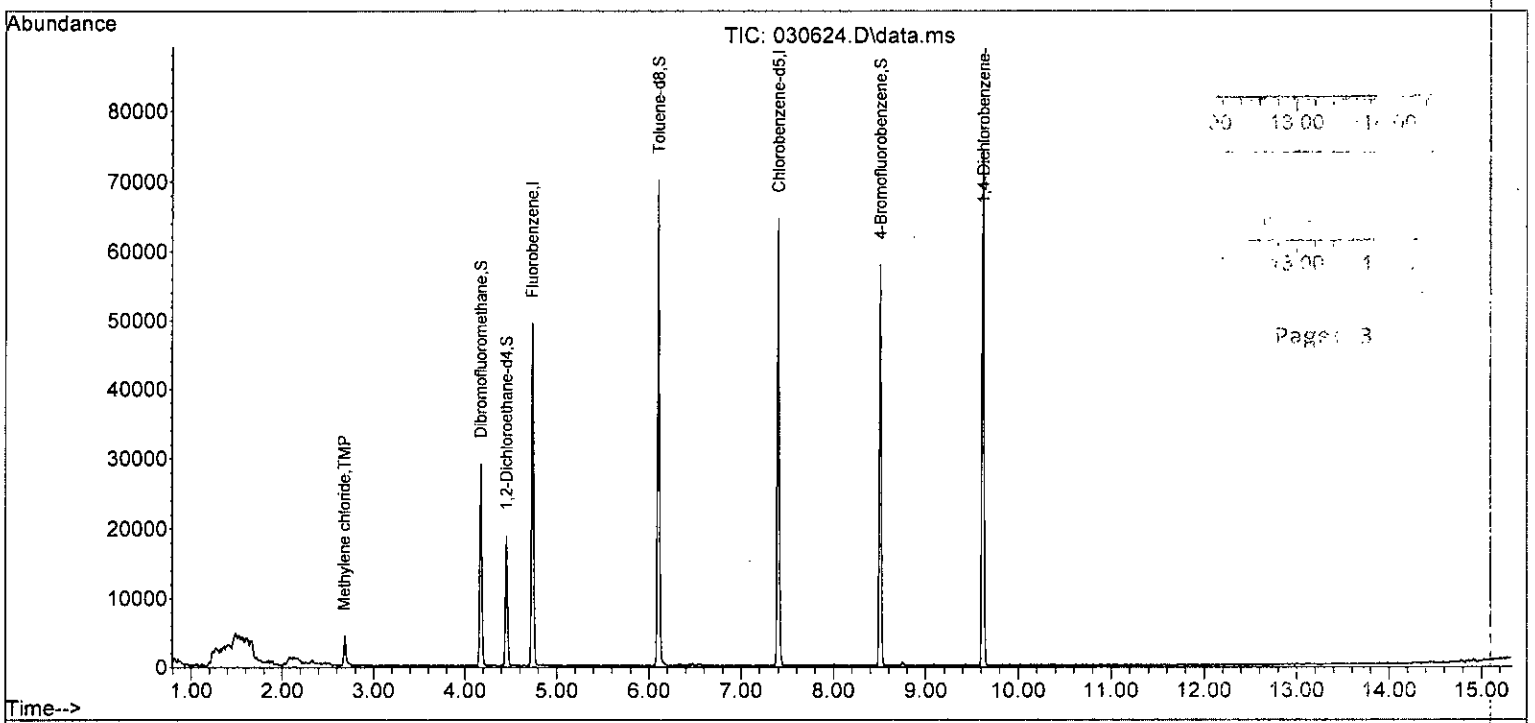
Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

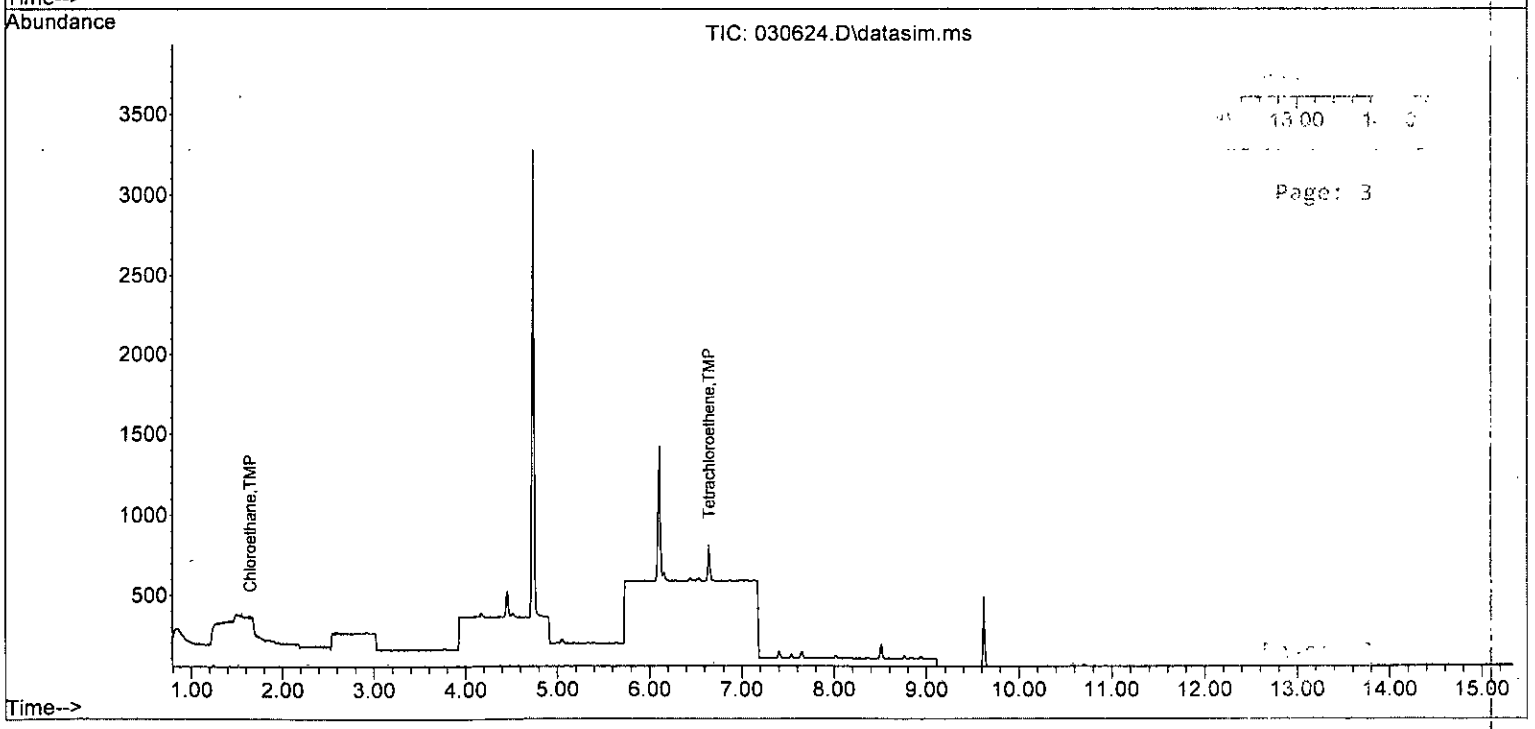
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	29	Below Cal #	67
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	31	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	81	0.038 ppb	98
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	25	Below Cal	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.65	106	23	Below Cal	100
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030624.D
Acq On : 06 Mar 2023 04:48 pm
Operator : lm
Sample : 302300-09 rr
Misc : water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





F&B Project 302321

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

302321

SAMPLE CHAIN OF CUSTODY

02/22/23

Page # 1 of 1

Report To JENNIFER MARSALLA

Company ANCHOR QEA

Address 1201 3RD AVE, #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATAATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) SBS	
PROJECT NAME & ADDRESS: CARSON CLEANERS	PO # 212280-01.01
NOTES:	INVOICE TO LABDATAATTACH@ANCHORQEA.COM

TURNAROUND TIME: (Standard) RUSH ____ Rush charges authorized by: ____

SAMPLE DISPOSAL: (Default: Clean following final report delivery) Hold (Fee may apply): ____

SAMPLE INFORMATION										ANALYSIS REQUESTED						
	Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium		Notes
CC-	AA-01-20230222	01	37224	06608	(IA) / SG	2-22-23	30.0	0730	6.0	1600			X				AMBIENT (OUTDOOR) AIR 8 HOUR TWA
CC-	IA-01-2023 0222	02	21484	08183	(IA) / SG	↓	30.0	0735	5.0	1540			X				INDOOR AIR 8 HOUR TWA
CC-	IA-02-2023 0222	03	37203	07851	(IA) / SG		30.0	0800	7.0	1610			X				↓
CC-	IA-03-2023 0222	04	35339	08350	(IA) / SG		28.5	0740	5.0	1540			X				
CC-	IA-04-2023 0222	05	40709	07847	(IA) / SG		29.0	0900	5.0	1700			X				INDOOR AIR 8 HOUR TWA
CC-	SS-01-2023 0222	06	2436	243	IA / (SG)		30.0	1034	3.0	1040			X				SUB-SLAB GRAB
CC-	SS-02-2023 0222	07	3672	02	IA / (SG)	↓	28.5	1332 ~~1330~~	3.0	1342			X				↓
CC-	SS-03-2023 0222	08	3258	73	IA / (SG)	2-22-23	29.0	0950	3.0	0956			X				SUB-SLAB GRAB

08B

per JM 2/23/23 AE - 3/2/23 AE

DW

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN STMETZ	STEPHEN STMETZ	ANCHOR QEA	2-22-23	1725
Received by:	VIV HA	FBI	2-22-23	1825
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
5500 4th Avenue South
Seattle, WA 98108
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COCTO-15.DOC

Samples received at 18 °C

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 302321 CLIENT Anchor INITIALS/ DATE: 2/23 TB

If custody seals are present on cooler, are they intact? ☒ NA ☐ YES ☐ NO

Cooler/Sample temperature 18 °C

Were samples received on ice/cold packs? ☐ YES ☒ NO

How did samples arrive?
- ☐ Over the Counter
- ☒ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☒ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☒ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☒ Yes	☐ No	# of Containers	☒ Yes	☐ No
Date Sampled	☒ Yes	☐ No	Relinquished	☒ Yes	☐ No
Time Sampled	☐ Yes	☐ No	Requested analysis	☒ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☒ YES ☐ NO

Were appropriate sample containers used? ☒ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☒ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☒ NA ☐ YES ☐ NO

Air Samples: Were any additional canisters received? ☐ NA ☒ YES ☐ NO

If Yes, number of unused 1L canisters 1

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

TO-15 EXTRACTION WORKSHEET (AIR)

HT_____

Project #: 302321 | Date Received: 2/22/23

Client: Anchor | Date Extracted: 2/27/23

QC Batch ID: 03-0356 | Date Analyzed: _____

Samples checked against COC kr | GCMS ☒7 ☐8, Seq. Date _____

Sample Type:
- ☐ Soil Gas
- ☒ Indoor Air
- ☐ Other_____

Due Date: 3/6

Requested Analytes:
- ☐ TO-15 Full List (sDF=3.3)
- ☐ cVOCs (sDF=10)
- ☐ APH (sDF=39)
- ☐
- ☐ BTEX (sDF=33)
- ☐ Naphthalene (sDF=3.3)
- ☐ EDB,EDC,Hex,MTBE (sDF=10)
- ☒ Other PCE+Daughters

sDF = Acceptable Dilution Factor For Soil Gas
iDF = Acceptable Dilution Factor For Indoor Air

Reporting Units:
- ☒ µg/m3
- ☐ Other_____
- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Screen Samples First

Sample ID	Canister ID	Initial Vacuum (P_i)	Final Vacuum (P_f)	Initial Dilution Factor	Volume Injected (cc)	Final Dilution Factor	Observations
01	37224				250	F.S	
02	31484				↓	↑	
03	37203						
04	35339						
05	40709				↓		
kr	02/27/23						
Initials							

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	NA			
Other							
Internal Standard(s)/ Surrogate(s)	✓	50 cc	50 ppbv	TO-15 IS/Surr Mix	68-140A	k	2/27
Other							

Project Leader Initials:_____

NOTES:_____

Calculated by kr 03/02/23 Reviewed by YA 03/02/23

TO-15 EXTRACTION WORKSHEET (AIR)

HT_____

Project #: 302321 | Date Received: 2/22/23

Client: Anchor | Date Extracted: 2/27/23

QC Batch ID: 03-6356 | Date Analyzed: /

Samples checked against COC k | GCMS ☒7 ☐8, Seq. Date /

Sample Type:
- ☒ Soil Gas
- ☐ Indoor Air
- ☐ Other_____

Due Date: 3/6

Requested Analytes:
- ☐ TO-15 Full List (sDF=3.3)
- ☐ cVOCs (sDF=10)
- ☐ APH (sDF=39)
- ☐
- ☐ BTEX (sDF=33)
- ☐ Naphthalene (sDF=3.3)
- ☐ EDB,EDC,Hex,MTBE (sDF=10)
- ☒ Other PCE+Daughters

sDF = Acceptable Dilution Factor For Soil Gas
iDF = Acceptable Dilution Factor For Indoor Air

Reporting Units:
- ☒ µg/m3
- ☐ Other_____
- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☒ Screen Samples First

Sample ID	Canister ID	Initial Vacuum (P_i)	Final Vacuum (P_f)	Initial Dilution Factor	Volume Injected (cc)	Final Dilution Factor	Observations
06	2436	13.94	20.45	1.47	75	1/4.9	
07	3258	13.69	20.22	1.48	75	1/4.9	
08	3672	13.08	20.46	1.49	50	1/7.5	
k	2/27/23						
Initials							

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	NA			
Other							
Internal Standard(s)/ Surrogate(s)	✓	50 cc	50 ppbv	TO-15 IS/Surr Mix	68-140A	k	02/27
Other							

Project Leader Initials:_____

NOTES: -07 noted upon arrival with valve was not closed - k 2/27

Calculated by k 3/02/23 Reviewed by YA 03/02/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 02-27-23 11:45 Technician: Bat

QA Batch: **O3-0356**

Matrix
- ☐ Soil
- ☐ Water
- ☐ Product
- ☐ Wipe
- ☑ Other Air

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other

Solvent Lot #

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☐ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other TO15/APH/GX

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Clean Up (Circle): Silica	FL Filter	Cu H_2SO_4	Observations
MB										
LCS(TO15)										
LCS(APH)										
LCS(GX)										
302352-02										
302352-02Dup										
IB 02/27/23										
Initials										

Samples in Batch

302321-01	302321-05	302339-01	302352-01
-02	-06	-02	-02
-03	-07	302343-01	-03
-04	-08	302356-01	-04

Date/Initials

Matrix Spikes: 25 cc ~~µL~~ of 25 ppbv ~~ppm~~ of TO15 CCV/LCS Lot # 68-128A 02/27/23 IB
Amount / Concentration / Analytes and Solvent

Matrix Spikes: 150 cc ~~µL~~ of 112.5 µg/m³ ~~ppm~~ of APH LCS Lot # 68-133B
Amount / Concentration / Analytes and Solvent

MS Surrogates: 20 cc ~~µL~~ of 1500 ppbv ~~ppm~~ of GX CCV/LCS Lot # 68-129B
Amount / Concentration / Analytes and Solvent

Internal Standards: 50 cc ~~µL~~ of 50 ppbv ~~ppm~~ of TO15 IS/SURR/BFB Lot # 68-140A
Amount / Concentration / Analytes and Solvent

Notes:

EPA TO-15
MDLs

Reported MDL Data and Calculations

Converted from Reported Air MDLs ppb

Analysis:	TO-15	Standard(s) spiked:	
Matrix:	Air	Volume spiked:	
Instrument ID:	GCMS #7	Date(s) Extracted:	3/22/2021, 03/30/21,
Reporting Units:	ug/m3	Date(s) Analyzed:	3/24/2021, 03/30/21,
		Date Calculated:	3/24/21, 04/01/21, 0
		Calculation Analyst:	BAT, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Propene	0.4304	0.8608	2.1520	0.1436	0.2838	0.1721	165
Dichlorodifluoromethane	0.2791	0.5581	1.3953	0.0931	0.5316	0.4945	108
Chloromethane	0.0643	0.1287	0.3217	0.0215	0.2424	0.2065	117
F-114	0.1664	0.3329	0.8322	0.0555	0.7113	0.6991	102
Vinyl chloride	0.0242	0.0484	0.1211	0.0081	0.0572	0.0511	112
1,3-Butadiene	0.0239	0.0478	0.1195	0.0080	0.0512	0.0442	116
Butane	2.1383	4.2766	10.6914	0.7132	4.7542	4.7542	100
Bromomethane	3.8203	7.6405	19.1014	1.2743	8.9606	7.7661	115
Chloroethane	0.0776	0.1552	0.3881	0.0259	0.2599	0.2638	99
Vinyl Bromide	0.1004	0.2007	0.5018	0.0335	0.3921	0.4375	90
Ethanol	4.2256	8.4511	21.1278	1.4095	4.3394	3.7685	115
Acrolein	0.0494	0.0987	0.2468	0.0165	0.1166	0.1146	102
Pentane	3.1981	6.3962	15.9904	1.0667	5.4183	5.9018	92
Trichlorofluoromethane	0.1954	0.3908	0.9770	0.0652	0.5899	0.5618	105
Acetone	1.8530	3.7061	9.2652	0.6181	5.0716	4.7509	107
2-Propanol	2.0247	4.0494	10.1235	0.6754	4.7622	4.9162	97
1,1-Dichloroethene	0.0568	0.1136	0.2840	0.0189	0.1056	0.0793	133
trans-1,2-Dichloroethene	0.0347	0.0693	0.1733	0.0116	0.0902	0.0793	114
Methylene chloride	3.1799	6.3599	15.8997	1.0607	7.5608	6.9472	109
t-Butyl alcohol (TBA)	3.2671	6.5343	16.3357	1.0898	5.9940	6.0630	99
3-Chloropropene	2.4590	4.9180	12.2951	0.8202	6.1177	6.2601	98
CFC-113	0.3043	0.6085	1.5213	0.1015	0.7606	0.7664	99
Carbon disulfide	3.6241	7.2482	18.1206	1.2088	6.4956	6.2282	104
Methyl t-butyl ether (...	3.7340	7.4680	18.6700	1.2455	6.8231	7.2106	95
Vinyl acetate	3.5615	7.1230	17.8075	1.1880	6.4933	7.0421	92
1,1-Dichloroethane	0.0219	0.0439	0.1097	0.0073	0.0885	0.0809	109
cis-1,2-Dichloroethene	0.0362	0.0724	0.1809	0.0121	0.0877	0.0793	111
Hexane	3.3258	6.6517	16.6292	1.1094	6.4027	7.0495	91
Chloroform	0.0366	0.0733	0.1832	0.0122	0.1056	0.0977	108
Ethyl acetate	3.2257	6.4514	16.1285	1.0759	7.4096	7.2074	103
Tetrahydrofuran	0.1553	0.3106	0.7764	0.0518	0.2739	0.2949	93
2-Butanone (MEK)	3.0782	6.1565	15.3912	1.0268	5.6921	5.8986	97
1,2-Dichloroethane (EDC)	0.0331	0.0661	0.1654	0.0110	0.0870	0.0809	108
1,1,1-Trichloroethane	0.0417	0.0834	0.2085	0.0139	0.1214	0.1091	111
Carbon tetrachloride	0.0659	0.1318	0.3296	0.0220	0.1431	0.1258	114
Benzene	0.0289	0.0579	0.1447	0.0097	0.0747	0.0639	117
Cyclohexane	3.1077	6.2153	15.5383	1.0366	6.3955	6.8843	93
1,2-Dichloropropane	0.0804	0.1609	0.4022	0.0268	0.4829	0.4621	105
1,4-Dioxane	0.0795	0.1590	0.3974	0.0265	0.3383	0.3604	94
2,2,4-Trimethylpentane	2.6817	5.3634	13.4086	0.8945	9.1600	9.3440	98
Methyl Methacrylate	2.5467	5.0933	12.7334	0.8495	8.6679	8.1898	106
Heptane	2.0853	4.1706	10.4265	0.6956	8.1054	8.1971	99
Bromodichloromethane	0.0363	0.0726	0.1816	0.0121	0.1550	0.1340	116
Trichloroethene	0.0515	0.1030	0.2574	0.0172	0.1223	0.1075	114
cis-1,3-Dichloropropene	0.2049	0.4097	1.0244	0.0683	0.5180	0.4539	114
4-Methyl-2-pentanone	2.2479	4.4958	11.2395	0.7498	8.5541	8.1930	104
trans-1,3-Dichloropropene	0.0619	0.1238	0.3095	0.0206	0.4726	0.4539	104
Toluene	0.0794	0.1589	0.3972	0.0265	0.3825	0.3769	102
1,1,2-Trichloroethane	0.0287	0.0573	0.1433	0.0096	0.1214	0.1091	111
2-Hexanone	2.1976	4.3952	10.9880	0.7330	8.5259	8.1930	104
Tetrachloroethene	0.1446	0.2891	0.7229	0.0482	0.7910	0.6782	117
Dibromochloromethane	0.0528	0.1055	0.2638	0.0176	0.1991	0.1704	117
1,2-Dibromoethane (EDB)	0.0519	0.1037	0.2594	0.0173	0.1671	0.1537	109
Chlorobenzene	0.1180	0.2361	0.5902	0.0394	0.4627	0.4604	101
Ethylbenzene	0.1285	0.2570	0.6425	0.0429	0.3582	0.4342	83
1,1,2,2-Tetrachloroethane	0.0479	0.0957	0.2394	0.0160	0.1485	0.1373	108
Nonane	3.6205	7.2410	18.1025	1.2076	9.6995	10.4916	92
Isopropylbenzene	5.2598	10.5196	26.2991	1.7544	10.3796	9.8315	106
2-Chlorotoluene	4.8967	9.7934	24.4836	1.6333	10.6760	10.3550	103
Propylbenzene	4.3113	8.6226	21.5564	1.4381	9.8432	9.8315	100
4-Ethyltoluene	4.5322	9.0645	22.6612	1.5118	9.3866	9.8315	95
m,p-Xylene	0.2558	0.5115	1.2788	0.0853	0.6969	0.8685	80
o-Xylene	0.1536	0.3073	0.7682	0.0512	0.3479	0.4342	80
Styrene	0.1516	0.3033	0.7582	0.0506	0.3328	0.4260	78
Bromoform	0.5132	1.0265	2.5661	0.1712	0.9768	1.0337	95
Benzyl chloride	0.0310	0.0619	0.1549	0.0103	0.0951	0.1035	92
1,3,5-Trimethylbenzene	3.8218	7.6435	19.1088	1.2748	9.7332	9.8315	99
1,2,4-Trimethylbenzene	3.6101	7.2201	18.0504	1.2042	9.0732	9.8315	92
1,3-Dichlorobenzene	0.1088	0.2175	0.5438	0.0363	0.5764	0.6012	96
1,4-Dichlorobenzene	0.1267	0.2534	0.6335	0.0423	0.5373	0.6012	89
1,2-Dichlorobenzene	0.1154	0.2308	0.5769	0.0385	0.5779	0.6012	96
1,2,4-Trichlorobenzene	0.5098	1.0196	2.5491	0.1701	0.7662	0.7421	103
Naphthalene	0.0931	0.1863	0.4657	0.0311	0.0976	0.1048	93
Hexachlorobutadiene	0.1081	0.2162	0.5405	0.0361	0.3146	0.2133	148
IA Napthalene	0.0271	0.0543	0.1357	0.0091	0.1212	0.1048	116
Gasoline Range Organics	29.6568	59.3135	148.2838	9.8922	332.9713	328.0000	102

EPA TO-15
Sequence Tables

Sequence Name: D:\GCMS7\GCMS7_Data\01-27-23.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\01-27-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line		Sample Name/Misc Info		
1)	Sample 1	012701a	TO15DC	prime std
2)	Sample 2	012702	TO15DC	rinse
3)	Sample 3	012703	TO15DC	rinse
4)	Sample 4	012704	TO15DC	BFB 68-113a
5)	Sample 5	012705	TO15DC	25 ppbv std prime
6)	Sample 6	012706	TO15DC	25 ppbv scv prime
7)	Sample 7	012707	TO15DC	1.0 ppbv std prime
8)	Sample 8	012708	TO15DC	0.1 ppbv std prime
9)	Sample 9	012709	TO15DC	0.05 ppbv std prime
10)	Sample 10	012710	TO15DC	0.02 ppbv std prime
11)	Sample 11	012711	SRINSE	rinse, short
12)	Sample 12	012712	SRINSE	rinse, short
13)	Sample 13	012713	SRINSE	rinse, short
14)	Sample 14	012714	TO15DC	rinse
15)	Sample 15	012715	TO15DC	rinse
16)	Sample 16	012716	TO15DC	rinse
17)	Sample 17	012717	TO15DC	0.01 ppbv TO15 68-108-e
18)	Sample 18	012718	TO15DC	0.01 ppbv TO15 68-108-e
19)	Sample 19	012719	TO15DC	0.02 ppbv TO15 68-108-e
20)	Sample 20	012720	TO15DC	0.05 ppbv TO15 68-108-d
21)	Sample 21	012721	TO15DC	0.1 ppbv TO15 68-108-c
22)	Sample 22	012722	TO15DC	0.2 ppbv TO15 68-108-5
23)	Sample 23	012723	TO15DC	0.5 ppbv TO15 68-108-f
24)	Sample 24	012724	TO15DC	1.0 ppbv TO15 68-108-f
25)	Sample 25	012725	TO15DC	2.5 ppbv TO15 68-108-a
26)	Sample 26	012726	TO15DC	4.0 ppbv TO15 68-108-a
27)	Sample 27	012727	TO15DC	5.0 ppbv TO15 68-108-a
28)	Sample 28	012728	TO15DC	8.0 ppbv TO15 68-108-a
29)	Sample 29	012729	TO15DC	10 ppbv TO15 68-108-a
30)	Sample 30	012730	TO15DC	15 ppbv TO15 68-108-a
31)	Sample 31	012731	TO15DC	rinse
32)	Sample 32	012732	TO15DC	rinse
33)	Sample 33	012733	TO15DC	2.5 ppbv TO15 scv 68-60 -a
34)	Sample 34	012734	TO15DC	rinse
35)	Sample 36	012735	TO15DC	rinse

Injection Log

Data Directory: R:\Proc_GCMS7\01-27-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 012721.D	TO15DC.M			
0.1 ppbv TO15 68-1...	T5	21	1.000	28 Jan 2002 ::5 a
2) 012701a.D	TO15DC.M			
prime std	cal line	1	1.000	27 Jan 2023 6:03 pm
3) 012702.D	TO15DC.M			
rinse	T1	2	1.000	27 Jan 2023 6:39 pm
4) 012703.D	TO15DC.M			
rinse	T1	3	1.000	27 Jan 2023 7:23 pm
5) 012704.D	TO15DC.M			
BFB 68-113a	T1	4	1.000	27 Jan 2023 7:57 pm
6) 012705.D	TO15DC.M			
25 ppbv std prime	T1	5	1.000	27 Jan 2023 8:31 pm
7) 012706.D	TO15DC.M			
25 ppbv scv prime	T7	6	1.000	27 Jan 2023 9:04 pm
8) 012707.D	TO15DC.M			
1.0 ppbv std prime	T6	7	1.000	27 Jan 2023 9:38 pm
9) 012708.D	TO15DC.M			
0.1 ppbv std prime	T5	8	1.000	27 Jan 2023 10:16 pm
10) 012709.D	TO15DC.M			
0.05 ppbv std prime	T4	9	1.000	27 Jan 2023 10:52 pm
11) 012710.D	TO15DC.M			
0.02 ppbv std prime	T3	10	1.000	27 Jan 2023 11:29 pm
12) 012711.D	SRINSE.M			
rinse, short	T1	11	1.000	28 Jan 2023 12:08 am
13) 012712.D	SRINSE.M			
rinse, short	T1	12	1.000	28 Jan 2023 12:44 am
14) 012713.D	SRINSE.M			
rinse, short	T1	13	1.000	28 Jan 2023 1:20 am
15) 012714.D	TO15DC.M			
rinse	T1	14	1.000	28 Jan 2023 2:02 am
16) 012715.D	TO15DC.M			
rinse	T1	15	1.000	28 Jan 2023 2:45 am
17) 012716.D	TO15DC.M			
rinse	T1	16	1.000	28 Jan 2023 3:29 am
18) 012717.D	TO15DC.M			
0.01 ppbv TO15 68-..	T3	17	1.000	28 Jan 2023 4:06 am
19) 012718.D	TO15DC.M			
0.01 ppbv TO15 68-..	T3	18	1.000	28 Jan 2023 4:44 am
20) 012719.D	TO15DC.M			
0.02 ppbv TO15 68-..	T3	19	1.000	28 Jan 2023 5:27 am
21) 012720.D	TO15DC.M			

0.05 ppbv TO15 68-..	T4		20	1.000	28 Jan 2023	6:11 am
22) 012721.D		TO15DC.M				
0.1 ppbv TO15 68-1..	T5		21	1.000	28 Jan 2023	6:55 am
23) 012722.D		TO15DC.M				
0.2 ppbv TO15 68-1..	T6		22	1.000	28 Jan 2023	7:28 am
24) 012723.D		TO15DC.M				
0.5 ppbv TO15 68-1..	T6		23	1.000	28 Jan 2023	8:06 am
25) 012724.D		TO15DC.M				
1.0 ppbv TO15 68-1..	T6		24	1.000	28 Jan 2023	8:49 am
26) 012725.D		TO15DC.M				
2.5 ppbv TO15 68-1..	cal line		25	1.000	28 Jan 2023	9:23 am
27) 012726.D		TO15DC.M				
4.0 ppbv TO15 68-1..	cal line		26	1.000	28 Jan 2023	9:57 am
28) 012727.D		TO15DC.M				
5.0 ppbv TO15 68-1..	cal line		27	1.000	28 Jan 2023	10:31 am
29) 012728.D		TO15DC.M				
8.0 ppbv TO15 68-1..	cal line		28	1.000	28 Jan 2023	11:06 am
30) 012729.D		TO15DC.M				
10 ppbv TO15 68-10..	cal line		29	1.000	28 Jan 2023	11:42 am
31) 012730.D		TO15DC.M				
15 ppbv TO15 68-10..	cal line		30	1.000	28 Jan 2023	12:21 pm
32) 012731.D		TO15DC.M				
rinse	T1		31	1.000	28 Jan 2023	1:04 pm
33) 012732.D		TO15DC.M				
rinse	T1		32	1.000	28 Jan 2023	1:48 pm
34) 012733.D		TO15DC.M				
2.5 ppbv TO15 scv ..	T7		33	1.000	28 Jan 2023	2:22 pm
35) 012734.D		TO15DC.M				
rinse	T1		34	1.000	28 Jan 2023	3:05 pm
36) 012735.D		TO15DC.M				
rinse	T1		36	1.000	28 Jan 2023	3:49 pm

Sequence Name: D:\GCMS7\GCMS7_Data\02-27-23.s
Comment:
Operator: bat
Data Path: D:\GCMS7\GCMS7_DATA\02-27-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

MD 2/28/23

Line		Sample Name/Misc Info		
1)	Sample 1	022701	TO15DC	rinse
2)	Sample 2	022702	TO15DC	rinse
3)	Sample 3	022703	TO15DC	BFB 68-140a
4)	Sample 4	022704	TO15DC	03-0356 lcs/ 2.5 ppbv 68-128a
5)	Sample 5	022705	TO15DC	5 ppbv APH 68-115a
6)	Sample 6	022706	TO15DC	03-0356 lcs/ 67 ug/ml 68-133b
7)	Sample 7	022707	TO15DC	03-0356 lcs/ 80 ppbv 68-129b
8)	Sample 8	022708	SRINSE	rinse, short
9)	Sample 9	022709	SRINSE	rinse, short
10)	Sample 10	022710	TO15DC	rinse
11)	Sample 11	022711	TO15DC	rinse
12)	Sample 12	022712	TO15DC	03-0356 MB
13)	Sample 13	022713	TO15DC	302339-01
14)	Sample 14	022714	TO15DC	302339-02
15)	Sample 15	022715	TO15DC	rinse
16)	Sample 16	022716	TO15DC	302321-01
17)	Sample 17	022717	TO15DC	302321-02
18)	Sample 18	022718	TO15DC	302321-03
19)	Sample 19	022719	TO15DC	302321-04
20)	Sample 20	022720	TO15DC	302321-05
21)	Sample 21	022721	TO15DC	302321-06 1/4.9
22)	Sample 22	022722	TO15DC	302321-07 1/4.9
23)	Sample 23	022723	TO15DC	302321-08 1/7.5
24)	Sample 24	022724	TO15DC	rinse
25)	Sample 25	022725	TO15DC	302352-02 dup 1/5.1
26)	Sample 26	022726	TO15DC	302352-02 1/5.1
27)	Sample 27	022727	TO15DC	302352-04 1/5.4
28)	Sample 28	022728	TO15DC	302352-03 1/8.0
29)	Sample 29	022729	TO15DC	302352-01 1/8.4
30)	Sample 30	022730	TO15DC	rinse
31)	Sample 31	022731	TO15DC	302343-01 1/8.6
32)	Sample 32	022732	TO15DC	rinse
33)	Sample 33	022733	TO15DC	302356-01 1/15
34)	Sample 34	022734	TO15DC	rinse

Injection Log

Data Directory: D:\Proc_GCMS7\02-27-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022701.D rinse	TO15DC.M TL rinse	1	1.000	27 Feb 2023 10:59 am
2) 022702.D rinse	TO15DC.M T1	2	1.000	27 Feb 2023 11:41 am
3) 022703.D BFB 68-140a	TO15DC.M T1	3	1.000	27 Feb 2023 12:15 pm
4) 022704.D 03-0356 lcs/ 2.5 p..	TO15DC.M Cal line	4	1.000	27 Feb 2023 12:50 pm
5) 022705.D 5 ppbv APH 68-115a	TO15DC.M line 4	5	1.000	27 Feb 2023 1:24 pm
6) 022706.D 03-0356 lcs/ 67 ug..	TO15DC.M line 3	6	1.000	27 Feb 2023 2:03 pm
7) 022707.D 03-0356 lcs/ 80 pp..	TO15DC.M line 3	7	1.000	27 Feb 2023 2:37 pm
8) 022708.D rinse, short	SRINSE.M T1	8	1.000	27 Feb 2023 3:16 pm
9) 022709.D rinse, short	SRINSE.M T1	9	1.000	27 Feb 2023 3:52 pm
10) 022710.D rinse	TO15DC.M T1	10	1.000	27 Feb 2023 4:34 pm
11) 022711.D rinse	TO15DC.M T1	11	1.000	27 Feb 2023 5:18 pm
12) 022712.D 03-0356 MB	TO15DC.M T1	12	1.000	27 Feb 2023 6:02 pm
13) 022713.D 302339-01	TO15DC.M T2	13	1.000	27 Feb 2023 7:12 pm
14) 022714.D 302339-02	TO15DC.M T3	14	1.000	27 Feb 2023 8:01 pm
15) 022715.D rinse	TO15DC.M T1	15	1.000	27 Feb 2023 8:44 pm
16) 022716.D 302321-01	TO15DC.M T4	16	1.000	27 Feb 2023 9:30 pm
17) 022717.D 302321-02	TO15DC.M T5	17	1.000	27 Feb 2023 10:17 pm
18) 022718.D 302321-03	TO15DC.M T6	18	1.000	27 Feb 2023 11:06 pm
19) 022719.D 302321-04	TO15DC.M T7	19	1.000	27 Feb 2023 11:53 pm
20) 022720.D 302321-05	TO15DC.M T8	20	1.000	28 Feb 2023 12:40 am
21) 022721.D	TO15DC.M			

302321-06 1/4.9	T9		21	1.000	28 Feb 2023	1:16	am
22) 022722.D		TO15DC.M					
302321-07 1/4.9	T10		22	1.000	28 Feb 2023	1:51	am
23) 022723.D		TO15DC.M					
302321-08 1/7.5	T11		23	1.000	28 Feb 2023	2:25	am
24) 022724.D		TO15DC.M					
rinse	T1		24	1.000	28 Feb 2023	3:08	am
25) 022725.D		TO15DC.M					
302352-02 dup 1/5.1	T12		25	1.000	28 Feb 2023	3:43	am
26) 022726.D		TO15DC.M					
302352-02 1/5.1	T12		26	1.000	28 Feb 2023	4:18	am
27) 022727.D		TO15DC.M					
302352-04 1/5.4	T13		27	1.000	28 Feb 2023	4:53	am
28) 022728.D		TO15DC.M					
302352-03 1/8.0	T14		28	1.000	28 Feb 2023	5:27	am
29) 022729.D		TO15DC.M					
302352-01 1/8.4	T15		29	1.000	28 Feb 2023	6:01	am
30) 022730.D		TO15DC.M					
rinse	T1		30	1.000	28 Feb 2023	6:45	am
31) 022731.D		TO15DC.M					
302343-01 1/8.6	T16		31	1.000	28 Feb 2023	7:19	am
32) 022732.D		TO15DC.M					
rinse	T1		32	1.000	28 Feb 2023	8:03	am
33) 022733.D		TO15DC.M					
302356-01 1/15	S4		33	1.000	28 Feb 2023	8:37	am
34) 022734.D		TO15DC.M					
rinse	T1		34	1.000	28 Feb 2023	9:20	am

EPA TO-15
Checklists

T015

GC/MS ICAL Checklist

Instrument: GC/MS 7 Sequence Date: 01-27-23 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓ Bat	01-30-23
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: 0.05 ppbv level/std. Removed from ICAL due prep error

Attach this sheet to raw data package.

YA 01/31/23
Supervisor Initials and Date

TO-15/TO-17
Daily Checklist

Instrument: GC/MS 7 Sequence Date: 2-27-23 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 24 hour shift	✓ K	03-01-23
Internal Standards within limits 60%-140% of the CCV	✓	
Surrogate recoveries within limits (TO-15 only)	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Tune Analyzed and Passed	✓	
Continuing Calibration Analyzed, Evaluated and Passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 03/02/23
Supervisor Initials and Date

EPA TO-15
Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : D:\Proc_GCMS7\01-27-23\012704.D
Tune Time : 27 Jan 2023 7:57 pm

Daily Calibration File : D:\Proc_GCMS7\01-27-23\012733.D

File	Sample	Surrogate Recovery %	Internal Standard Responses		
	(BFB)		73141	314636	269095
012717.D	0.01 ppbv	89	81837	353355	292036
012718.D	0.01 ppbv	86	82525	358216	291686
012719.D	0.02 ppbv	86	83542	360604	300413
012720.D	0.05 ppbv	91	81439	353233	291987
012721.D	0.1 ppbv T	88	80043	353942	291665
012722.D	0.2 ppbv T	90	82000	351693	292615
012723.D	0.5 ppbv T	93	79545	348334	294274
012724.D	1.0 ppbv T	95	78395	343290	289330
012725.D	2.5 ppbv T	104	74972	331977	288023
012726.D	4.0 ppbv T	100	75269	325560	284919
012727.D	5.0 ppbv T	104	72740	326783	279502
012728.D	8.0 ppbv T	105	73295	324365	283133
012729.D	10 ppbv TO	104	72631	329146	289682
012730.D	15 ppbv TO	105	74129	315955	285096
012733.D	2.5 ppbv T	104	73141	314636	269095

(fails) - fails 24hr time check * - fails criteria

Created: Mon Jan 30 11:22:49 2023 GCMS7

GC/MS QA-QC Check Report

TO15
page 1 of 4
R 3/01/4

Tune File : D:\Proc_GCMS7\02-27-23\022703.D
Tune Time : 27 Feb 2023 12:15 pm

Daily Calibration File : D:\Proc_GCMS7\02-27-23\022704.D

			(BFB)		
			69512	288796	262099
File	Sample	Surrogate Recovery %	Internal Standard Responses		
022710.D	rinse	89	69697	278572	255909
022711.D	rinse	92	67053	262087	238225
022712.D	03-0356 MB	90	65990	262986	235550
022713.D	302339-01	90	62319	230059	232162
022714.D	302339-02	91	61944	233170	226413
022715.D	rinse	89	62268	247668	225276
022716.D	302321-01	88	61093	239732	223506
022717.D	302321-02	92	68676	262702	250144
022718.D	302321-03	92	66929	256560	251199
022719.D	302321-04	93	66160	262332	252329
022720.D	302321-05	92	67002	260818	246857
022721.D	302321-06	94	66074	267339	238740
022722.D	302321-07	91	67595	268099	242542
022723.D	302321-08	103	67576	279386	248991
022724.D	rinse	93	67626	275338	248859
022725.D	302352-02	94	67448	274165	242904
022726.D	302352-02	95	65657	272201	247597
022727.D	302352-04	90	70024	277355	248078
022728.D	302352-03	93	66613	274100	252514

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KP
3/01/23

022729.D	302352-01	94	68468	278273	251626
022730.D	rinse	93	69419	281471	251738
022731.D	302343-01	96	68247	274391	251835
022732.D	rinse	90	69890	276963	253198
022733.D	302356-01	95	64949	280149	234554
022734.D	rinse	89	67843	273469	250114

(fails) - fails 24hr time check * - fails criteria

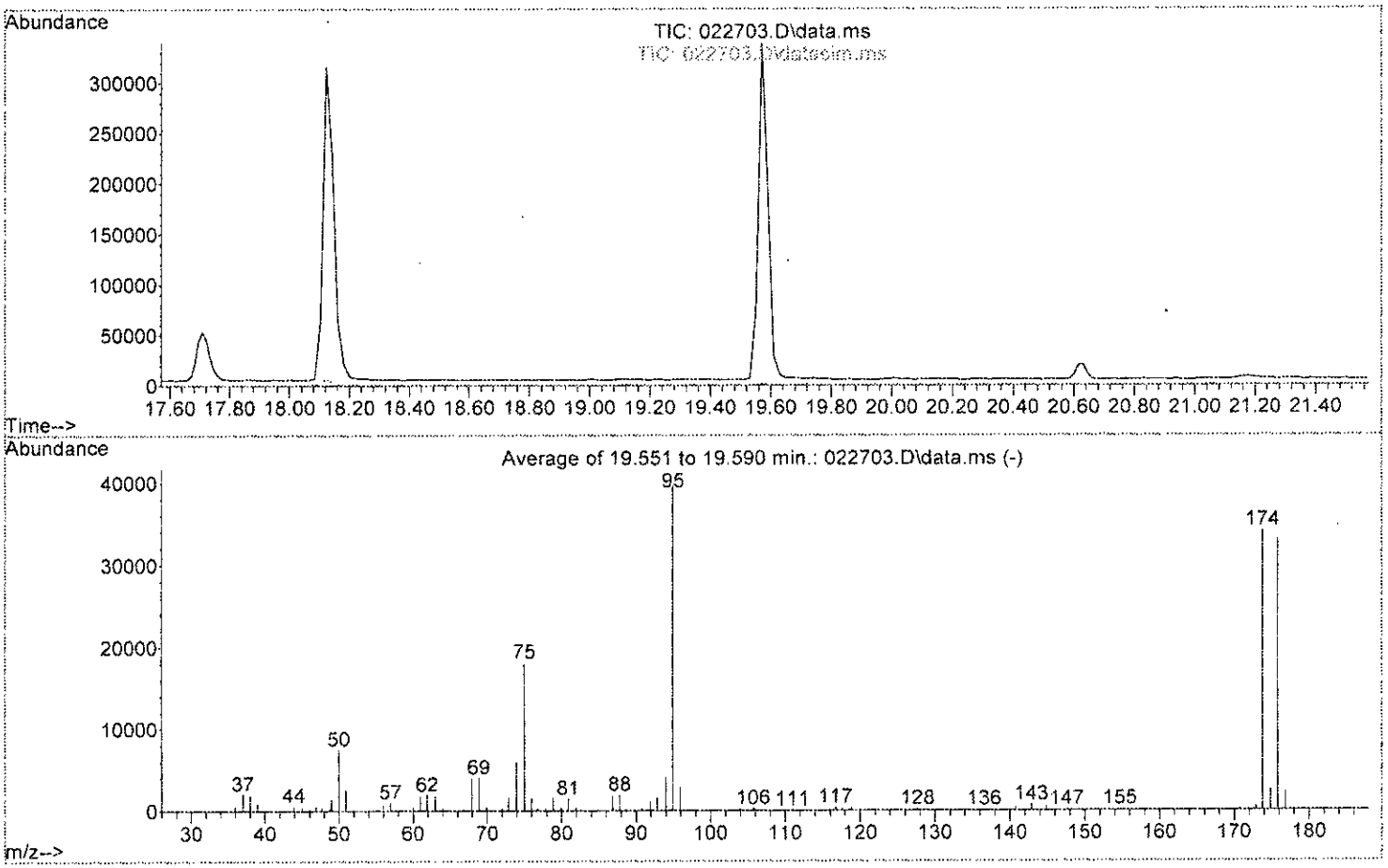
Created: Wed Mar 01 20:46:56 2023 GCMS7

EPA TO-15
Tune Summaries

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022703.D
Acq On : 27 Feb 2023 12:15 pm
Operator : bat
Sample : BFB 68-140a
Misc : T1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\0127TO15ss7.M
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023



AutoFind: Scans 792, 793, 794; Background Corrected with Scan 788

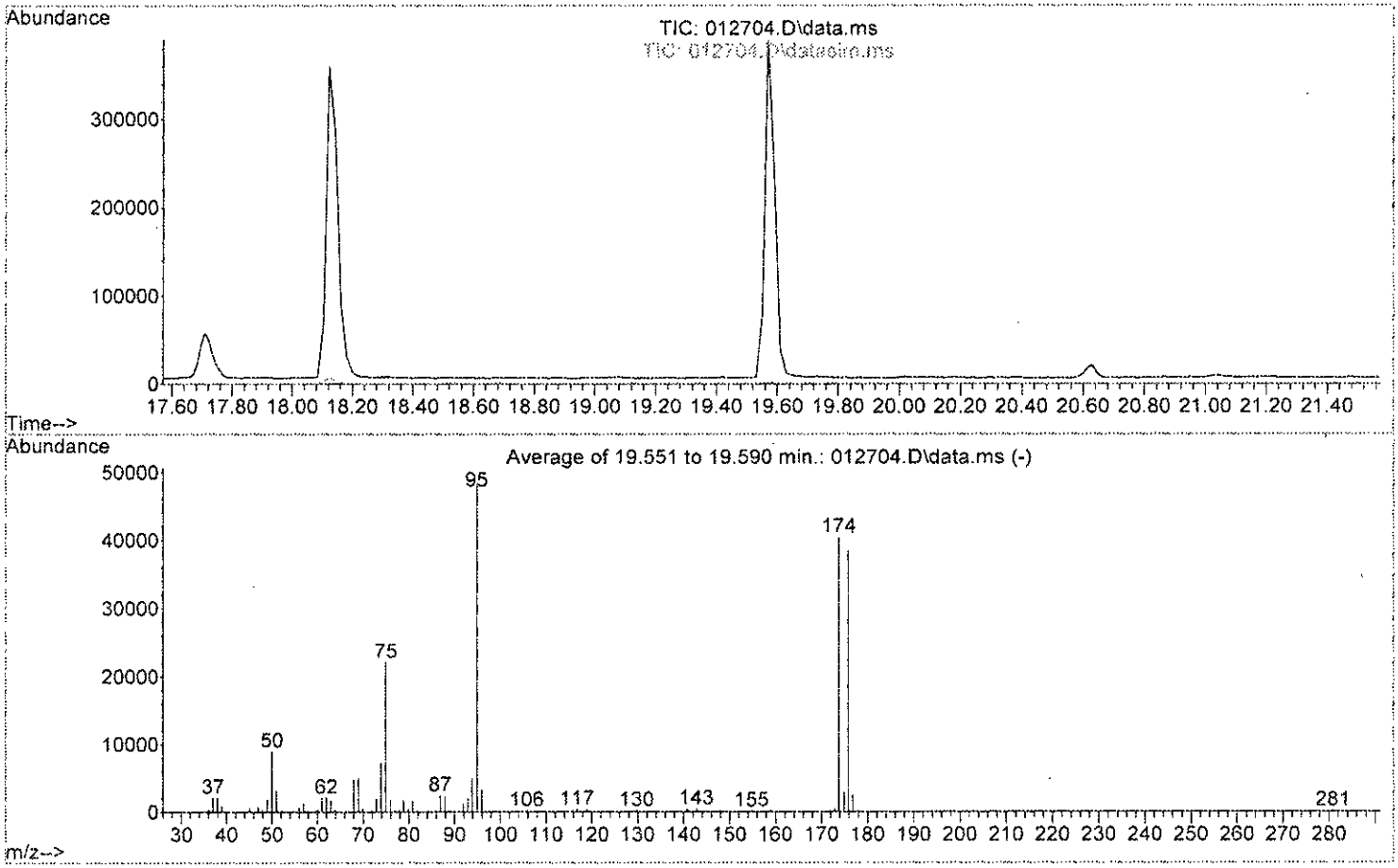
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.7	7425	PASS
75	95	30	66	45.7	18133	PASS
95	95	100	100	100.0	39651	PASS
96	95	5	9	7.1	2819	PASS
173	174	0.00	2	1.2	393	PASS
174	95	50	120	86.0	34097	PASS
175	174	4	9	7.1	2412	PASS
176	174	93	101	96.8	33002	PASS
177	176	5	9	6.5	2144	PASS

BFB

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012704.D
Acq On : 27 Jan 2023 7:57 pm
Operator : bat
Sample : BFB 68-113a
Misc : T1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : D:\GCMS7 Methods\0127TO15ss7.M
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023



AutoFind: Scans 792, 793, 794; Background Corrected with Scan 788

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.7	8986	PASS
75	95	30	66	45.9	22124	PASS
95	95	100	100	100.0	48167	PASS
96	95	5	9	6.6	3168	PASS
173	174	0.00	2	0.9	350	PASS
174	95	50	120	84.0	40462	PASS
175	174	4	9	7.2	2904	PASS
176	174	93	101	95.5	38624	PASS
177	176	5	9	6.4	2478	PASS

EPA TO-15
Initial Calibrations

Response Factor Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 0127TO15ss7.M
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023
Response Via : Initial Calibration

Calibration Files
0.01=012718.D 0.02=012719.D 0.05=012720.D 0.1 =012721.D 0.2 =012722.D 0.5 =012723.D 1 =012724.D 2.5 =012725.D 4 =012726.D 5 =012727.D
8 =012728.D 10 =012729.D 15 =012730.D

	Compound	0.01	0.02	0.05	0.1	0.2	0.5	1	2.5	4	5	8	10	15	Avg	%RSD
1)	I Bromochloromethane	----------						ISTD								
2)	TMP Propene				1.465	1.647	1.298	1.289	1.251	1.165	1.219	1.168	1.207	1.153	1.286	12.17
3)	TMP Dichlorodifluo...				4.265	4.514	4.146	4.126	4.211	3.960	4.120	3.852	3.910	3.710	4.081	5.66
4)	TMP Chloromethane				1.730	1.834	1.774	1.752	1.624	1.534	1.628	1.657	1.673	1.550	1.676	5.78
5)	TMP F-114				4.039	4.860	4.735	4.465	4.303	4.015	4.008	3.845	3.860	3.556	4.169	9.94
6)	TMP Vinyl chloride		1.640		1.638	1.883	1.829	1.821	1.780	1.698	1.725	1.626	1.639	1.553	1.712	6.08
7)	TMP 1,3-Butadiene		1.011		1.016	1.132	1.124	1.143	1.125	1.064	1.088	1.055	1.074	1.028	1.078	4.46
8)	TMP Butane							1.782	2.273	2.181	2.126	2.097	2.016	2.048	1.882	2.051	7.73
9)	TMP Bromomethane				1.415	2.172	1.736	1.743	1.779	1.612	1.720	1.610	1.589	1.585	1.696	11.70
10)	TMP Chloroethane				0.611	0.670	0.688	0.674	0.665	0.618	0.632	0.604	0.610	0.570	0.634	6.02
11)	TMP Vinyl bromide		1.484		1.455	1.699	1.679	1.727	1.710	1.557	1.617	1.530	1.548	1.458	1.588	6.51
12)	TMP Ethanol							0.715	0.591	0.535	0.453	0.529	0.465	0.538	0.476	0.538	15.81
13)	TMP Acrolein		0.539		0.503	0.490	0.475	0.499	0.565	0.542	0.553	0.536	0.543	0.524	0.525	5.41
14)	TMP Pentane							2.621	2.243	2.542	2.291	2.430	2.287	2.252	2.054	2.340	7.78
15)	TMP Trichlorofluor...				3.830	4.840	4.921	5.089	4.812	4.434	4.479	4.214	4.105	3.953	4.468	9.78
16)	TMP Acetone							0.995	0.891	0.684	0.669	0.674	0.656	0.653	0.626	0.731	18.41
17)	TMP 2-Propanol							2.834	3.078	2.958	2.721	2.876	2.759	2.678	2.687	2.824	5.01
18)	TMP 1,1-Dichloroet...		1.538		1.528	1.704	1.630	1.602	1.593	1.486	1.497	1.420	1.420	1.339	1.523	6.96
19)	TMP trans-1,2-Dich...		1.257		1.489	1.695	1.610	1.599	1.588	1.496	1.513	1.435	1.443	1.365	1.499	8.25
20)	TMP Methylene chlo...							1.443	1.618	1.552	1.444	1.413	1.349	1.415	1.297	1.441	7.14
21)	TMP t-Butyl alcoho...							2.279	2.587	2.456	2.299	2.379	2.315	2.367	2.227	2.364	4.82
22)	TMP 3-Chloropropene						1.922	1.972	2.035	1.932	1.891	1.970	1.854	1.874	1.802	1.917	3.68
23)	TMP CFC-113		2.358		3.651	3.944	3.849	3.664	3.598	3.399	3.299	3.195	3.257	2.982	3.382	13.22
24)	TMP Carbon disulfide							5.382	5.338	5.177	4.818	4.903	4.642	4.596	4.336	4.899	7.66
25)	TMP Methyl t-butyl...						3.619	3.078	3.360	3.277	3.106	3.155	2.985	3.055	2.930	3.174	6.75
26)	TMP Vinyl acetate							3.548	3.358	3.443	3.656	3.693	3.511	3.580	3.466	3.532	3.15
27)	TMP 1,1-Dichloroet...		3.256		3.141	3.579	3.417	3.334	3.365	3.147	3.177	3.009	3.011	2.823	3.205	6.69
28)	TMP cis-1,2-Dichlo...		1.724		1.582	1.810	1.706	1.686	1.683	1.581	1.601	1.530	1.537	1.456	1.627	6.37
29)	TMP Hexane							2.072	2.078	2.091	1.998	2.071	2.025	2.053	1.968	2.044	2.13
30)	TMP Chloroform	4.059	3.800		3.663	4.220	4.047	3.951	3.931	3.658	3.680	3.478	3.473	3.245	3.767	7.61
31)	TMP Ethyl acetate							3.609	3.580	3.640	3.496	3.580	3.494	3.581	3.120	3.512	4.74
32)	TMP Tetrahydrofuran				1.884	1.837	1.646	1.677	2.037	1.932	1.923	1.869	1.917	1.863	1.858	6.32
33)	TMP 2-Butanone (MEK)				0.264	0.446	0.568	0.561	0.579	0.636	0.594	0.583	0.603	0.545	0.538	20.16
34)	TMP 1,2-Dichloroet...	2.545	2.286		2.210	2.638	2.514	2.454	2.452	2.294	2.374	2.241	2.249	2.118	2.365	6.62
35)	TMP 1,1,1-Trichlor...		3.178		3.083	3.570	3.412	3.332	3.271	3.052	3.100	2.951	2.942	2.782	3.152	7.29
36)	TMP Carbon tetrach...		3.346		3.306	3.612	3.490	3.447	3.518	3.226	3.307	3.130	3.145	2.965	3.318	5.82
37)	TMP Benzene		6.979		5.325	5.753	5.410	5.348	5.372	5.003	5.056	4.827	4.868	4.607	5.322	12.00

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38)	TMP	Cyclohexane					1.398	1.290	1.352	1.281	1.292	1.258	1.266	1.215	1.294	4.39
39)	I	1,4-Difluorobenzene	----------ISTD----------													
40)	TMP	1,2-Dichloropr...	0.586	0.532		0.553	0.617	0.598	0.586	0.574	0.543	0.530	0.517	0.507	0.514	0.555	6.59
41)	TMP	1,4-Dioxane		0.220		0.219	0.274	0.240	0.238	0.242	0.232	0.227	0.221	0.219	0.223	0.232	7.01
42)	TMP	2,2,4-Trimethy...						1.743	1.656	1.679	1.633	1.593	1.561	1.547	1.568	1.623	4.18
43)	TMP	Methyl methacr...						0.431	0.447	0.463	0.464	0.462	0.447	0.447	0.458	0.452	2.49
44)	TMP	Heptane						0.601	0.691	0.690	0.677	0.660	0.649	0.653	0.668	0.661	4.35
45)	TMP	Bromodichlorom...	0.960	0.910		0.872	1.012	0.957	0.944	0.939	0.897	0.871	0.842	0.823	0.826	0.905	6.59
46)	TMP	Trichloroethene	0.673	0.606		0.566	0.661	0.611	0.605	0.586	0.557	0.544	0.523	0.510	0.510	0.579	9.39
47)	TMP	cis-1,3-Dichlo...				0.559	0.598	0.700	0.681	0.664	0.634	0.612	0.610	0.607	0.622	0.629	6.74
48)	TMP	4-Methyl-2-pen...						0.046	0.039	0.044	0.041	0.044	0.041	0.041	0.044	0.043	5.58
49)	TMP	trans-1,3-Dich...		0.727		0.551	0.624	0.590	0.594	0.584	0.573	0.564	0.563	0.559	0.578	0.592	8.31
50)	TMP	Toluene		0.775		0.724	0.840	0.764	0.743	0.753	0.708	0.704	0.690	0.684	0.692	0.734	6.41
51)	TMP	1,1,2-Trichlor...	0.592	0.585		0.505	0.615	0.567	0.565	0.546	0.536	0.522	0.501	0.494	0.494	0.543	7.61
52)	TMP	2-Hexanone						0.702	0.678	0.789	0.789	0.769	0.776	0.761	0.779	0.755	5.56
53)	TMP	Tetrachloroethene				0.477	0.566	0.519	0.503	0.486	0.461	0.446	0.428	0.420	0.422	0.473	9.99
54)	TMP	Dibromochlorom...	0.974	0.926		0.883	0.994	0.938	0.931	0.947	0.914	0.879	0.858	0.851	0.851	0.912	5.27
55)	TMP	1,2-Dibromoeth...	0.910	0.885		0.805	0.948	0.872	0.862	0.822	0.785	0.772	0.747	0.731	0.738	0.823	8.74
56)	I	Chlorobenzene-d5	----------ISTD----------														
57)	TMP	Chlorobenzene				1.069	1.494	1.236	1.210	1.162	1.103	1.101	1.060	1.041	1.033	1.151	12.10
58)	TMP	Ethylbenzene	2.808	2.169		1.715	2.053	1.886	1.919	1.913	1.847	1.864	1.794	1.771	1.746	1.957	15.18
59)	TMP	1,1,2,2-Tetrac...	1.879	1.643		1.534	1.894	1.624	1.613	1.527	1.442	1.433	1.357	1.324	1.271	1.545	12.89
60)	TMP	Nonane						0.831	0.875	1.040	1.064	1.087	1.091	1.075	1.070	1.017	10.11
61)	TMP	Isopropylbenzene				1.695	2.117	1.830	1.969	1.916	1.861	1.870	1.838	1.807	1.774	1.868	6.16
62)	TMP	2-Chlorotoluene						0.440	0.462	0.480	0.469	0.480	0.465	0.459	0.455	0.464	2.81
63)	TMP	Propylbenzene				2.703	3.482	3.098	3.299	3.640	3.642	3.681	3.611	3.592	3.509	3.426	9.10
64)	TMP	4-Ethyltoluene						1.370	1.377	1.614	1.692	1.729	1.723	1.736	1.772	1.627	10.00
65)	TMP	m,p-Xylene		0.677		0.545	0.663	0.615	0.634	0.671	0.655	0.663	0.647	0.642	0.635	0.641	5.68
66)	TMP	o-Xylene		0.677		0.545	0.678	0.626	0.645	0.661	0.649	0.650	0.633	0.623	0.607	0.636	5.86
67)	TMP	Styrene				0.787	0.786	0.770	0.788	0.883	0.845	0.872	0.890	0.888	0.894	0.840	6.15
68)	TMP	Bromoform				1.126	1.234	1.045	1.064	1.093	1.033	1.070	1.006	0.984	0.965	1.062	7.32
69)	S	4-Bromofluorob...	0.596	0.598	0.627	0.610	0.623	0.643	0.661	0.688	0.696	0.717	0.728	0.723	0.729	0.665	7.74
70)	TMP	Benzyl chloride	0.967	0.884		0.862	1.087	1.024	1.074	1.107	1.152	1.188	1.212	1.215	1.223	1.083	11.67
71)	TMP	1,3,5-Trimethy...				1.381	1.536	1.410	1.527	1.634	1.627	1.633	1.591	1.547	1.500	1.539	5.81
72)	TMP	1,2,4-Trimethy...				0.995	1.236	1.113	1.201	1.386	1.423	1.465	1.493	1.497	1.519	1.333	13.82
73)	TMP	1,3-Dichlorobe...				0.733	1.092	0.958	1.027	1.044	1.056	1.074	1.072	1.052	1.070	1.018	10.48
74)	TMP	1,4-Dichlorobe...		0.789		0.765	0.989	0.918	0.952	0.954	0.969	0.990	0.995	0.977	0.945	0.931	8.55
75)	TMP	1,2-Dichlorobe...		0.875		0.832	1.164	1.028	1.091	1.080	1.086	1.098	1.086	1.060	1.044	1.040	9.51
76)	TMP	1,2,4-Trichlor...				0.336	0.390	0.373	0.438	0.520	0.622	0.697	0.818	0.847	0.905	0.595	35.87
77)	TMP	Naphthalene		0.846		0.568	0.860	0.627	0.628	0.688	0.911	1.049	1.328	1.461	1.669	0.967	38.31
78)	TMP	Hexachlorobuta...		1.025		0.944	1.436	1.057	1.021	1.002	0.980	0.996	0.954	0.935	0.930	1.025	13.86

(#) = Out of Range

Calibration Status Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 0127TO15ss7.M
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.01	-1	10	D:\Proc_GCMS7\01-27-23\012718.D
2	0.02	0	10	D:\Proc_GCMS7\01-27-23\012719.D
3	0.05	Update calibration info does not match current calibration		
4	0.1	0	10	D:\Proc_GCMS7\01-27-23\012721.D
5	0.2	0	10	D:\Proc_GCMS7\01-27-23\012722.D
6	0.5	1	10	D:\Proc_GCMS7\01-27-23\012723.D
7	1	1	10	D:\Proc_GCMS7\01-27-23\012724.D
8	2.5	3	10	D:\Proc_GCMS7\01-27-23\012725.D
9	4	4	10	D:\Proc_GCMS7\01-27-23\012726.D
10	5	5	10	D:\Proc_GCMS7\01-27-23\012727.D
11	8	8	10	D:\Proc_GCMS7\01-27-23\012728.D
12	10	10	10	D:\Proc_GCMS7\01-27-23\012729.D
13	15	15	10	D:\Proc_GCMS7\01-27-23\012730.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.01	Jan 30 11:10 2023	Jan 30 10:31 2023	28 Jan 2023 4:44 am
2	0.02	Jan 30 11:10 2023	Jan 30 11:06 2023	28 Jan 2023 5:27 am
3	0.05	4 0.1 Jan 30 11:10 2023	Jan 30 10:40 2023	28 Jan 2023 6:55 am
5	0.2	Jan 30 11:10 2023	Jan 30 10:43 2023	28 Jan 2023 7:28 am
6	0.5	Jan 30 11:10 2023	Jan 30 10:46 2023	28 Jan 2023 8:06 am
7	1	Jan 30 11:10 2023	Jan 30 10:48 2023	28 Jan 2023 8:49 am
8	2.5	Jan 30 11:10 2023	Jan 30 10:50 2023	28 Jan 2023 9:23 am
9	4	Jan 30 11:10 2023	Jan 30 10:52 2023	28 Jan 2023 9:57 am
10	5	Jan 30 11:10 2023	Jan 30 10:53 2023	28 Jan 2023 10:31 am
11	8	Jan 30 11:10 2023	Jan 30 10:55 2023	28 Jan 2023 11:06 am
12	10	Jan 30 11:10 2023	Jan 30 10:56 2023	28 Jan 2023 11:42 am
13	15	Jan 30 11:10 2023	Jan 30 10:57 2023	28 Jan 2023 12:21 pm

Compound List Report GCMS7

Method Path : D:\GCMS7 Methods\
Method File : 0127TO15ss7.M
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023
Response Via : Initial Calibration

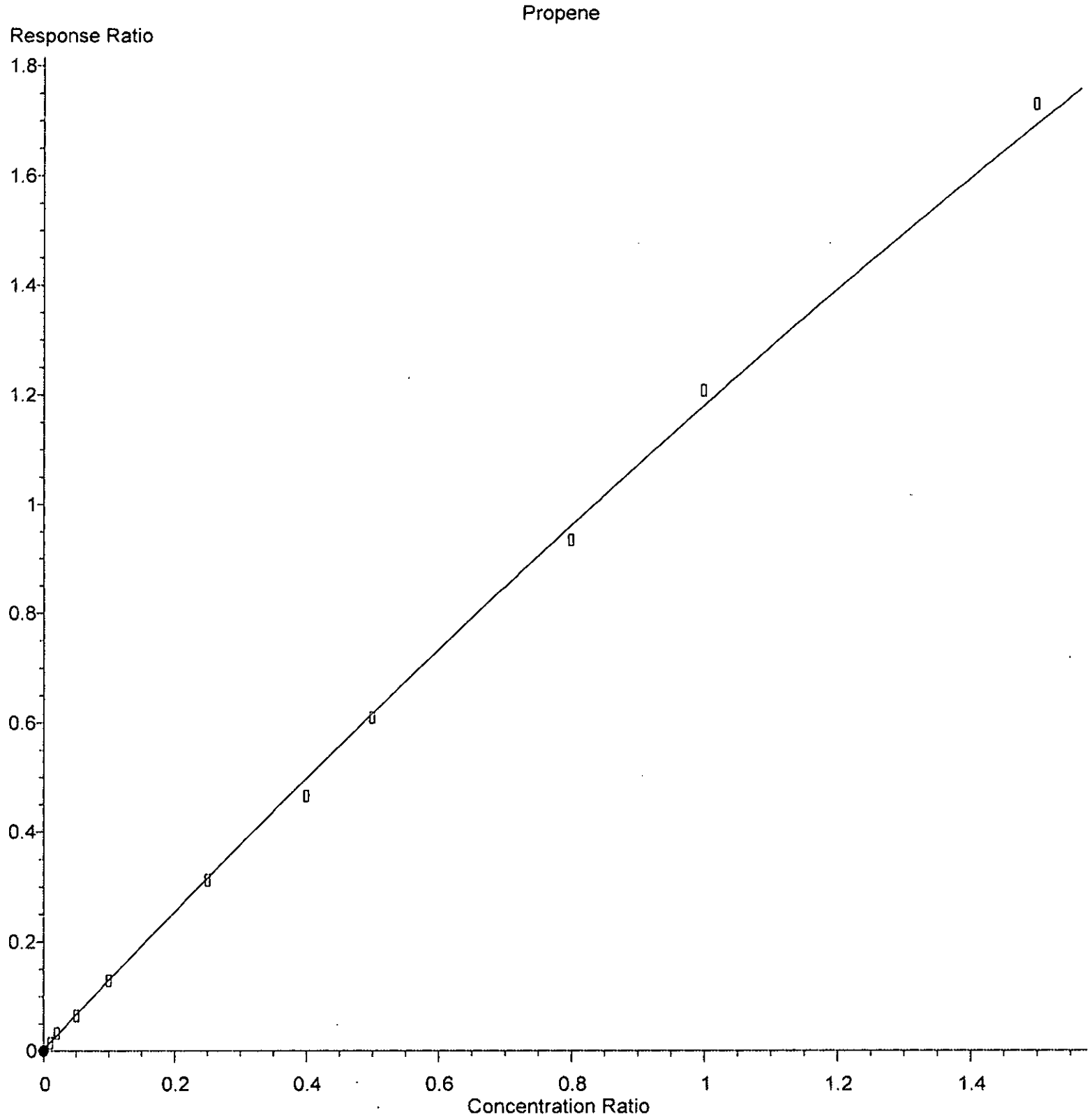
Total Cpnds : 78

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Bromochloromethane	128	9.86	1.000	A	2	A	B
2	T	Propene	41	3.41	0.345	Q	2	A	B
3	T	Dichlorodifluoromethane	85	3.48	0.353	A	1	A	B
4	T	Chloromethane	-50	3.69	0.374	A	1	A	B
5	T	F-114	85	3.84	0.390	A	2	A	B
6	T	Vinyl chloride	-62	4.05	0.410	A	1	A	B
7	T	1,3-Butadiene	-54	4.17	0.422	A	3	A	B
8	T	Butane	43	4.28	0.434	A	1	A	B
9	T	Bromomethane	94	4.60	0.466	A	1	A	B
10	T	Chloroethane	-64	4.80	0.487	A	1	A	B
11	T	Vinyl bromide	-106	5.28	0.535	A	1	A	B
12	T	Ethanol	45	4.92	0.498	Q	1	A	B
13	T	Acrolein	-56	5.38	0.545	A	1	A	B
14	T	Pentane	43	6.22	0.631	A	2	A	B
15	T	Trichlorofluoromethane	101	5.80	0.588	A	1	A	B
16	T	Acetone	58	5.53	0.560	A	1	A	B
17	T	2-Propanol	45	5.76	0.584	A	2	A	B
18	T	1,1-Dichloroethene	-96	6.60	0.669	A	2	A	B
19	T	trans-1,2-Dichloroethene	-96	8.07	0.818	A	2	A	B
20	T	Methylene chloride	84	6.78	0.687	A	2	A	B
21	T	t-Butyl alcohol (TBA)	59	6.54	0.663	A	1	A	B
22	T	3-Chloropropene	41	6.91	0.700	A	1	A	B
23	T	CFC-113	101	7.12	0.722	A	2	A	B
24	T	Carbon disulfide	76	7.22	0.732	A	2	A	B
25	T	Methyl t-butyl ether (MTBE)	73	8.41	0.852	A	1	A	B
26	T	Vinyl acetate	43	8.51	0.863	A	1	A	B
27	T	1,1-Dichloroethane	-63	8.33	0.845	A	2	A	B
28	T	cis-1,2-Dichloroethene	-96	9.60	0.973	A	2	A	B
29	T	Hexane	57	9.99	1.013	A	2	A	B
30	T	Chloroform	-83	10.07	1.020	A	1	A	B
31	T	Ethyl acetate	43	9.90	1.004	A	1	A	B
32	T	Tetrahydrofuran	42	10.73	1.087	A	1	A	B
33	T	2-Butanone (MEK)	72	8.88	0.900	A	3	A	B
34	T	1,2-Dichloroethane (EDC)	-62	11.32	1.148	A	1	A	B
35	T	1,1,1-Trichloroethane	-97	11.80	1.197	A	2	A	B
36	T	Carbon tetrachloride	-117	12.84	1.301	A	1	A	B
37	T	Benzene	-78	12.59	1.276	A	1	A	B
38	T	Cyclohexane	84	13.05	1.322	A	2	A	B
39	I	1,4-Difluorobenzene	114	13.12	1.000	A	2	A	B
40	T	1,2-Dichloropropane	-63	13.79	1.051	A	1	A	B
41	T	1,4-Dioxane	-88	14.06	1.072	A	1	A	B
42	T	2,2,4-Trimethylpentane	57	14.20	1.083	A	2	A	B
43	T	Methyl methacrylate	41	14.35	1.094	A	2	A	B
44	T	Heptane	43	14.52	1.107	A	3	A	B
45	T	Bromodichloromethane	-83	14.04	1.070	A	2	A	B
46	T	Trichloroethene	-95	14.11	1.076	A	3	A	B
47	T	cis-1,3-Dichloropropene	75	15.18	1.157	A	2	A	B
48	T	4-Methyl-2-pentanone	100	15.22	1.160	A	3	A	B
49	T	trans-1,3-Dichloropropene	-75	15.78	1.203	A	2	A	B
50	T	Toluene	-92	16.31	1.243	A	1	A	B
51	T	1,1,2-Trichloroethane	-83	15.99	1.219	A	2	A	B
52	T	2-Hexanone	43	16.55	1.262	A	3	A	B
53	T	Tetrachloroethene	-164	17.51	1.335	A	3	A	B
54	T	Dibromochloromethane	-129	16.75	1.277	A	2	A	B
55	T	1,2-Dibromoethane (EDB)	-107	17.03	1.299	A	2	A	B

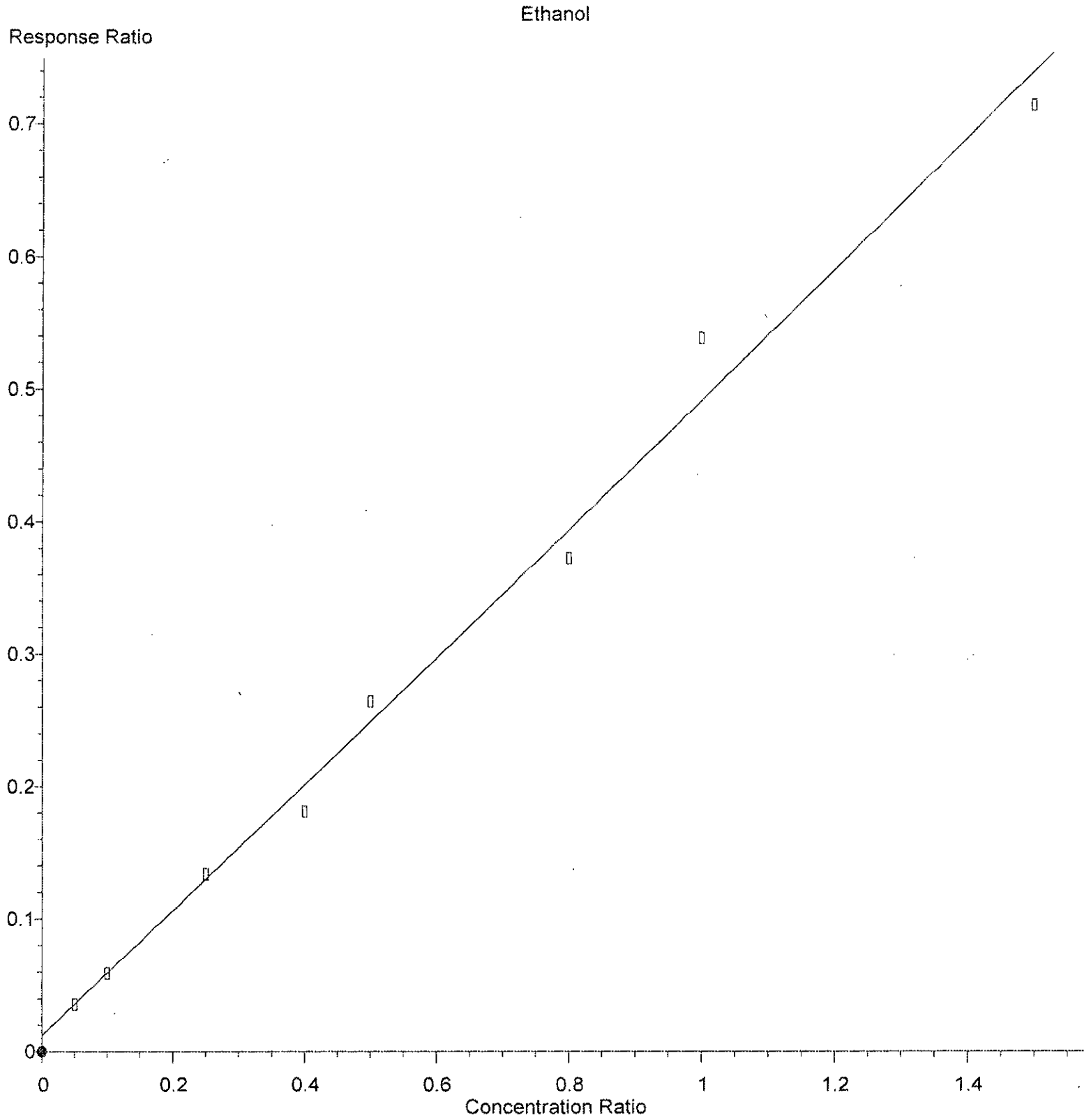
56	I		Chlorobenzene-d5	117	18.12	1.000	A	2	A	B
57		T	Chlorobenzene	112	18.16	1.002	A	2	A	B
58		T	Ethylbenzene	-91	18.52	1.022	A	1	A	B
59		T	1,1,2,2-Tetrachloroethane	-83	19.11	1.054	A	2	A	B
60		T	Nonane	43	19.30	1.065	A	3	A	B
61		T	Isopropylbenzene	105	19.69	1.086	A	1	A	B
62		T	2-Chlorotoluene	126	20.16	1.113	A	1	A	B
63		T	Propylbenzene	91	20.16	1.113	A	1	A	B
64		T	4-Ethyltoluene	105	20.31	1.121	A	1	A	B
65		T	m,p-Xylene	-106	18.70	1.032	A	1	A	B
66		T	o-Xylene	-106	19.15	1.056	A	1	A	B
67		T	Styrene	104	19.04	1.051	A	1	A	B
68		T	Bromoform	173	18.79	1.037	A	2	A	B
69	S		4-Bromofluorobenzene	95	19.57	1.080	A	2	A	B
70		T	Benzyl chloride	-91	20.93	1.155	A	1	A	B
71		T	1,3,5-Trimethylbenzene	105	20.38	1.125	A	1	A	B
72		T	1,2,4-Trimethylbenzene	105	20.79	1.147	A	1	A	B
73		T	1,3-Dichlorobenzene	-146	20.97	1.157	A	2	A	B
74		T	1,4-Dichlorobenzene	-146	21.03	1.160	A	2	A	B
75		T	1,2-Dichlorobenzene	-146	21.41	1.181	A	2	A	B
76		T	1,2,4-Trichlorobenzene	180	23.64	1.305	Q	2	A	B
77		T	Naphthalene	-128	23.84	1.316	Q	2	A	B
78		T	Hexachlorobutadiene	-225	24.41	1.347	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

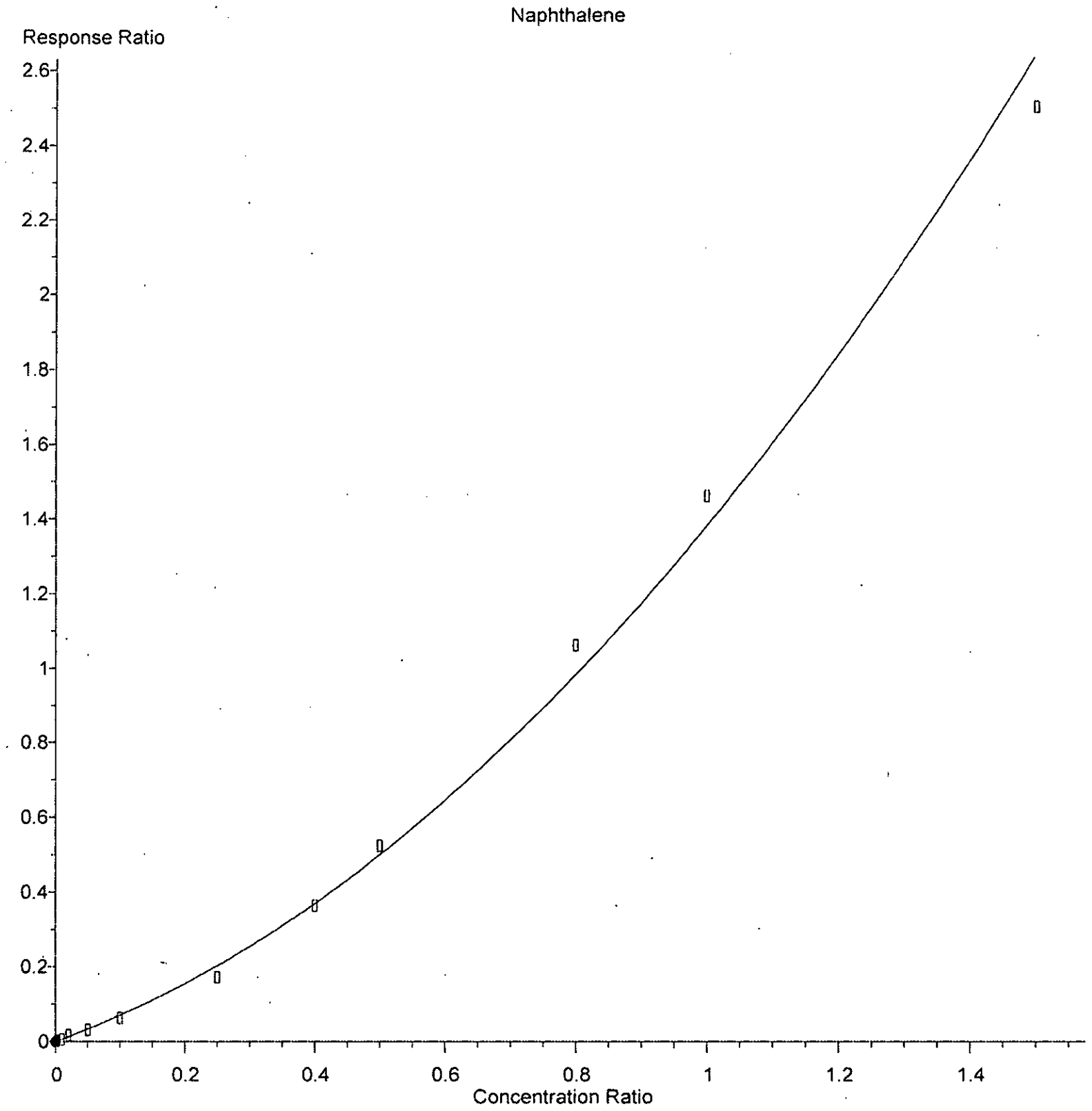
0127TO15ss7.M Mon Jan 30 13:49:56 2023



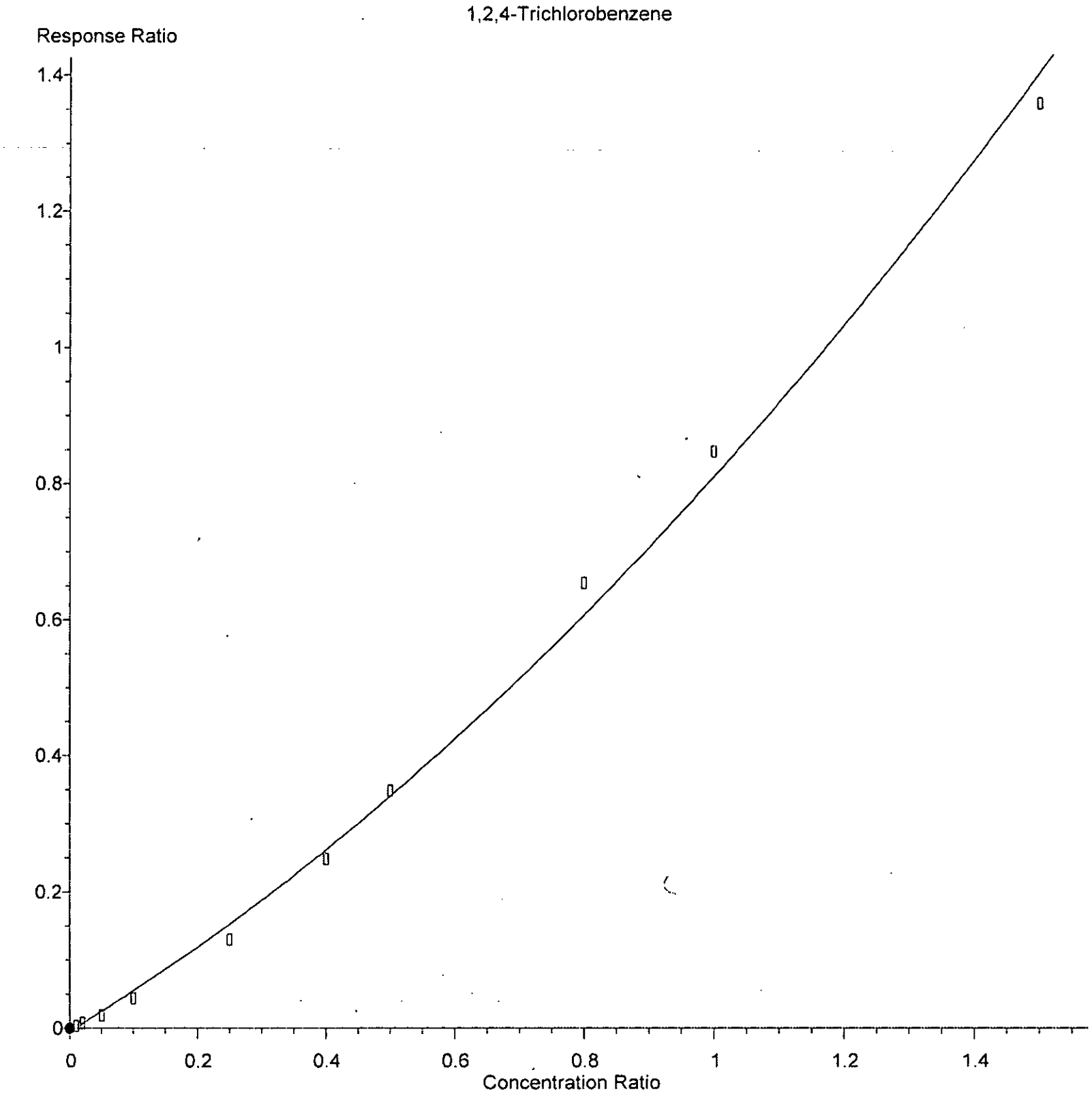
R = -1.007e-001 A*A + 1.277e+000 A + 2.925e-003
Coef of Det (r^2) = 0.993289 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\0127TO15ss7.M
Calibration Table Last Updated: Mon Jan 30 12:31:56 2023



R = 1.164e-002 A*A + 4.671e-001 A + 1.234e-002
Coef of Det (r^2) = 0.993634 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\0127TO15ss7.M
Calibration Table Last Updated: Mon Jan 30 12:31:56 2023



R = 7.648e-001 A*A + 6.166e-001 A + 4.486e-004
Coef of Det (r^2) = 0.990350 Curve Fit: Quadratic w(1/a^2)
Method Name: D:\GCMS7 Methods\0127TO15ss7.M
Calibration Table Last Updated: Mon Jan 30 12:31:56 2023

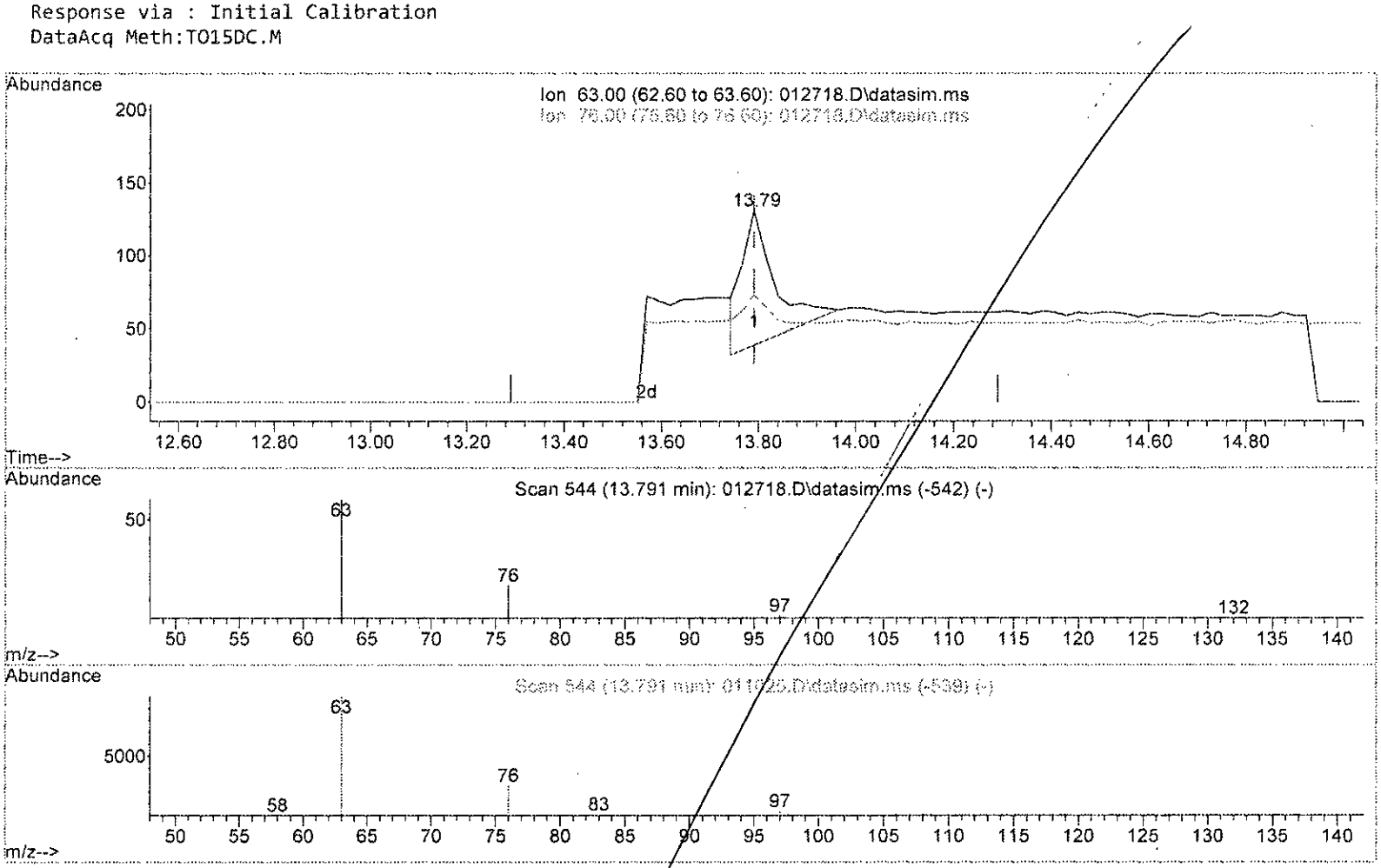


R = 2.492e-001 A*A + 5.646e-001 A - 4.465e-003
Coef of Det (r^2) = 0.996235 Curve Fit: Quadratic w(1/a)
Method Name: D:\GCMS7 Methods\0127TO15ss7.M
Calibration Table Last Updated: Mon Jan 30 12:31:56 2023

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012718.D\data.ms

(40) 1,2-Dichloropropane (TMP)
13.791min (+ 0.000) 0.022 ppbv
response 433

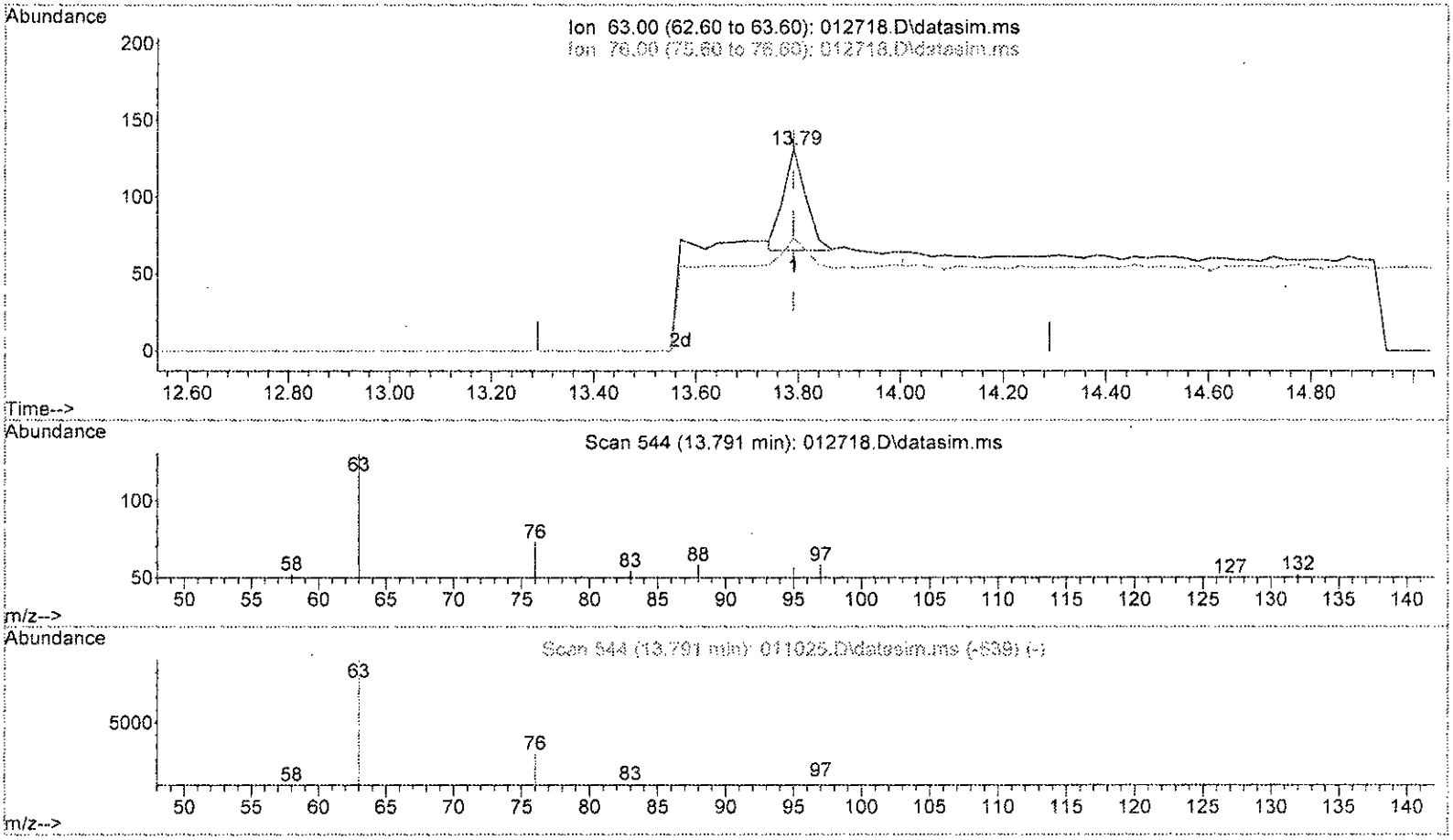
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.47
0.00	0.00	0.00
0.00	0.00	0.00

W 1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012718.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (+ 0.000) 0.010 ppbv m

response 202

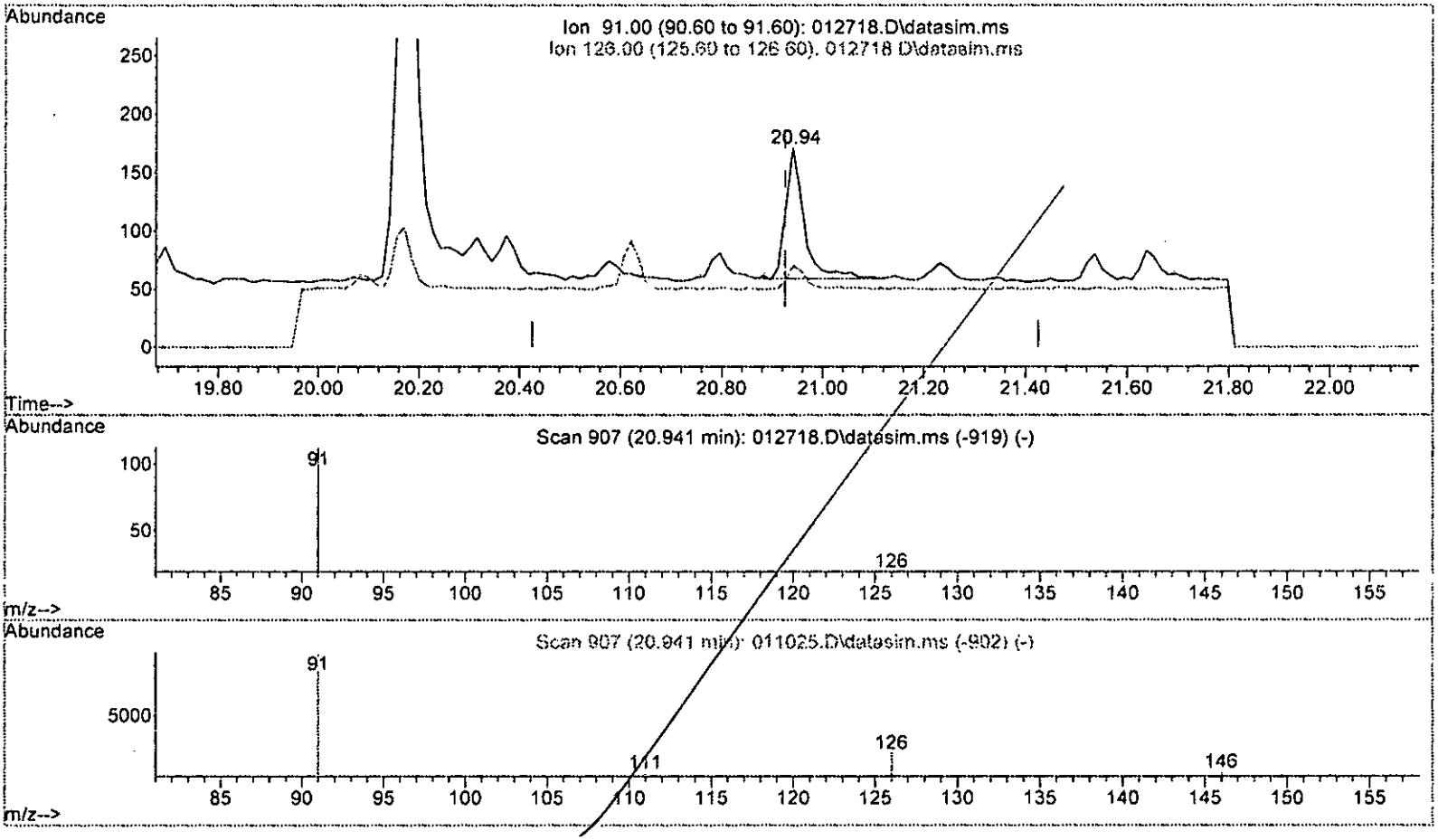
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	55.73#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012718.D\data.ms

(70) Benzyl chloride (TMP)
20.941min (+ 0.015) 0.009 ppbv
response 282

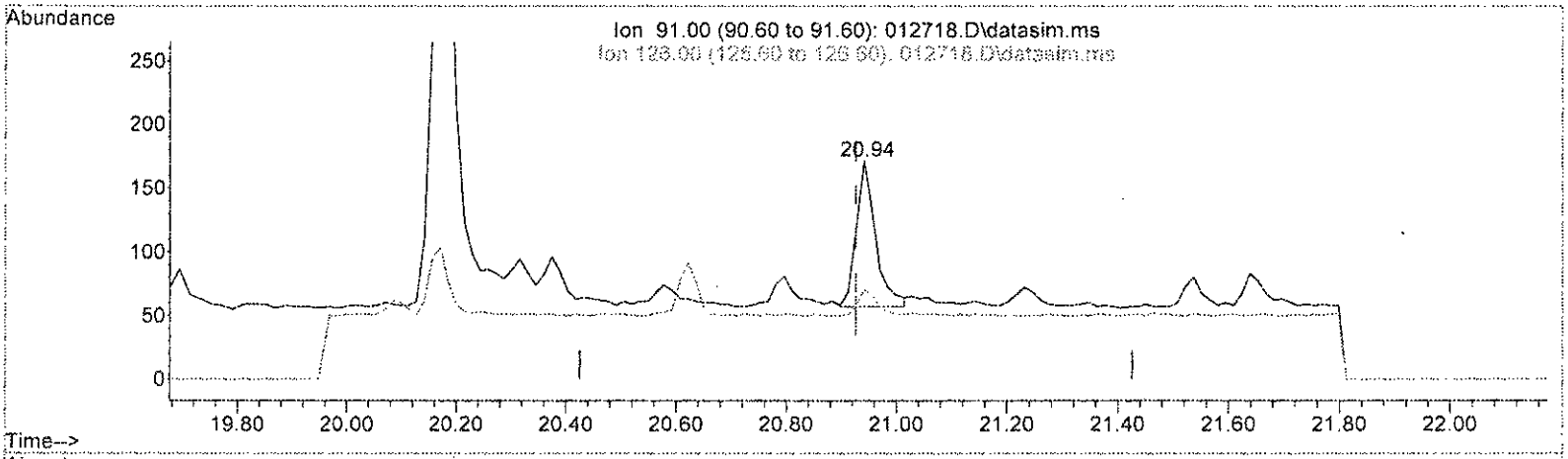
Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	17.86
0.00	0.00	0.00
0.00	0.00	0.00

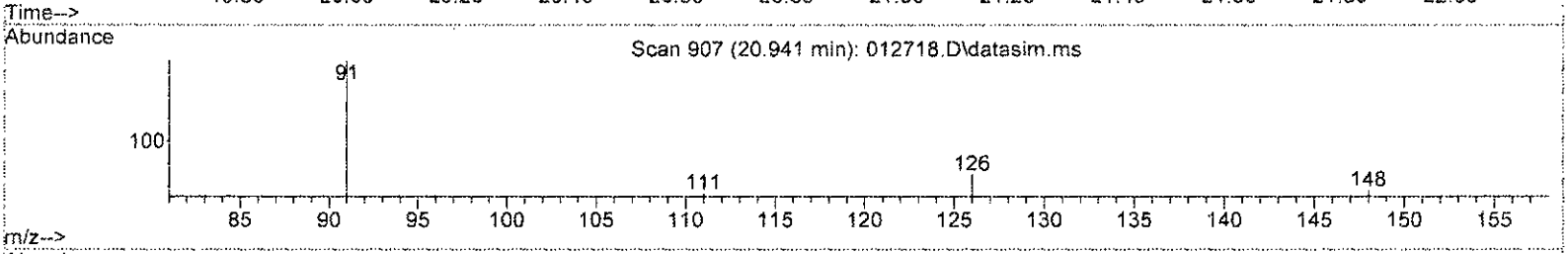
1/30/23

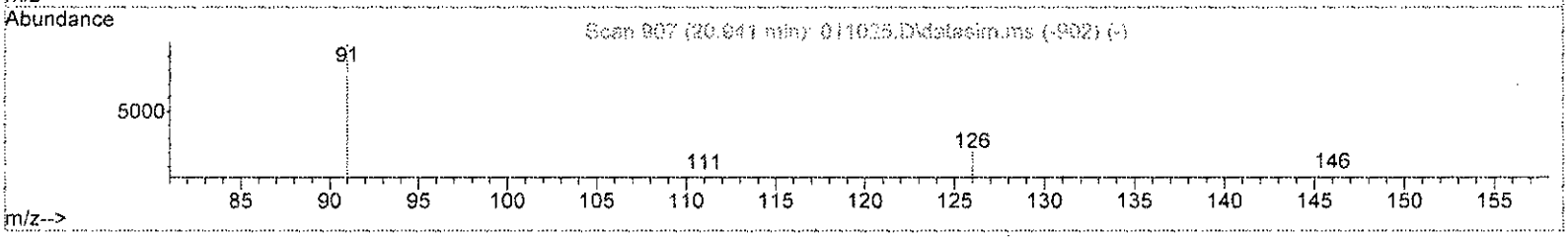
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012718.D\data.ms

(70) Benzyl chloride (TMP)

20.941min (+ 0.015) 0.009 ppbv m

response 279

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	40.94
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	82525	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	358216	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	291686	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	173796	8.966	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.70%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D. d		
3) Dichlorodifluoromethane	0.00		0	N.D.		
4) Chloromethane	0.00		0	N.D. d		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D. d		
7) 1,3-Butadiene	0.00		0	N.D. d		
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D. d		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D. d		
12) Ethanol	0.00		0	N.D. d		
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D. d		
16) Acetone	0.00		0	N.D.		
17) 2-Propanol	0.00		0	N.D. d		
18) 1,1-Dichloroethene	0.00		0	N.D. d		
19) trans-1,2-Dichloroethene	0.00		0	N.D. d		
20) Methylene chloride	0.00		0	N.D. d		
21) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
22) 3-Chloropropene	0.00		0	N.D. d		
23) CFC-113	0.00		0	N.D. d		
24) Carbon disulfide	0.00		0	N.D. d		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D. d		
27) 1,1-Dichloroethane	0.00		0	N.D. d		
28) cis-1,2-Dichloroethene	0.00		0	N.D. d		
29) Hexane	0.00		0	N.D.		
30] Chloroform	10.07	83	335	0.011	ppbv	98
31) Ethyl acetate	0.00		0	N.D. d		
32) Tetrahydrofuran	0.00		0	N.D. d		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34] 1,2-Dichloroethane (EDC)	11.32	62	210	0.011	ppbv	99
35) 1,1,1-Trichloroethane	0.00		0	N.D. d		
36) Carbon tetrachloride	0.00		0	N.D. d		
37) Benzene	0.00		0	N.D. d		
38) Cyclohexane	0.00		0	N.D. d		
40] 1,2-Dichloropropane	13.79	63	202m	0.010	ppbv	

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

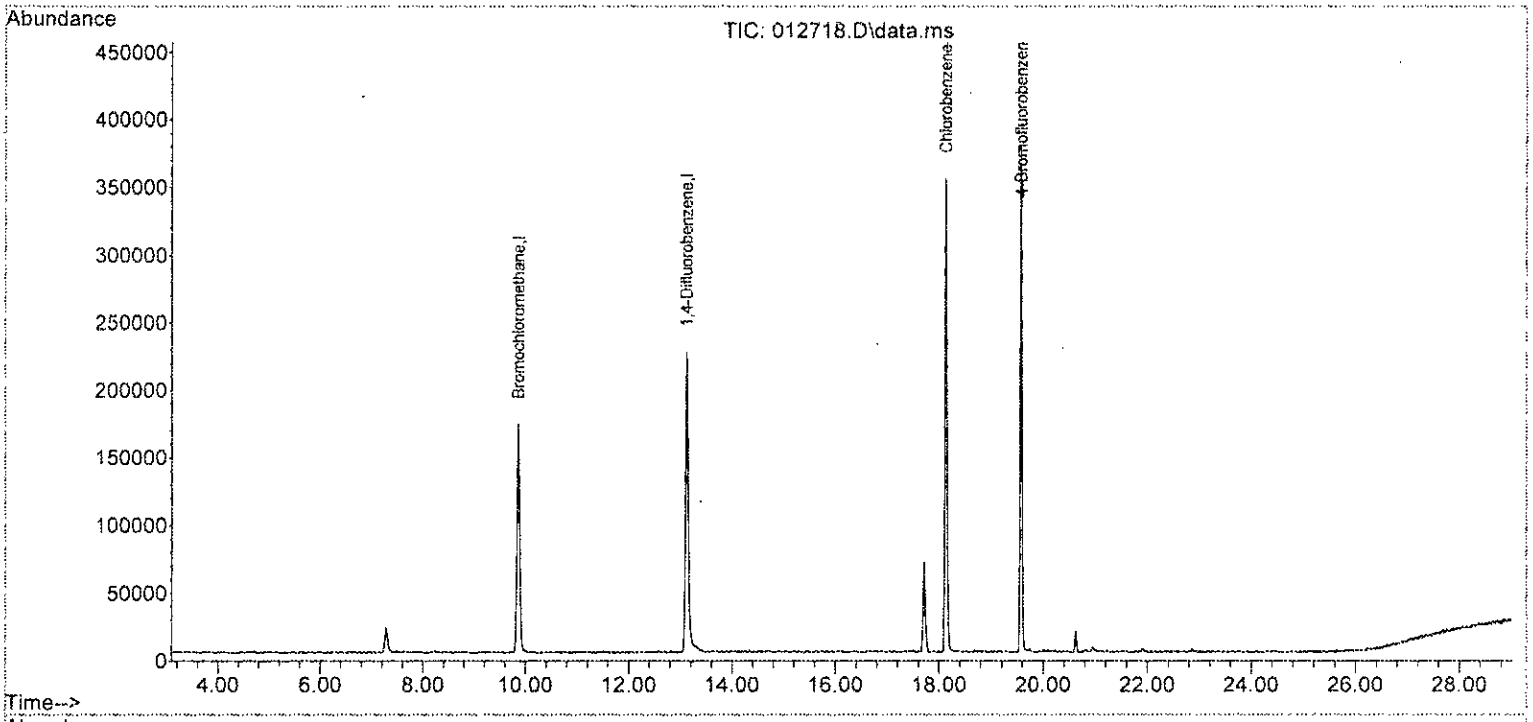
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	d	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45] Bromodichloromethane	14.04	83	344	0.011	ppbv	99
46] Trichloroethene	14.11	95	241	0.012	ppbv	83
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51] 1,1,2-Trichloroethane	15.99	83	212	0.011	ppbv	92
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54] Dibromochloromethane	16.75	129	369	0.011	ppbv	96
55] 1,2-Dibromoethane (EDB)	17.03	107	326	0.011	ppbv	95
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.52	91	819	0.014	ppbv	98
59] 1,1,2,2-Tetrachloroethane	19.13	83	548	0.012	ppbv	96
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.94	91	279m	0.009	ppbv	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.	d	

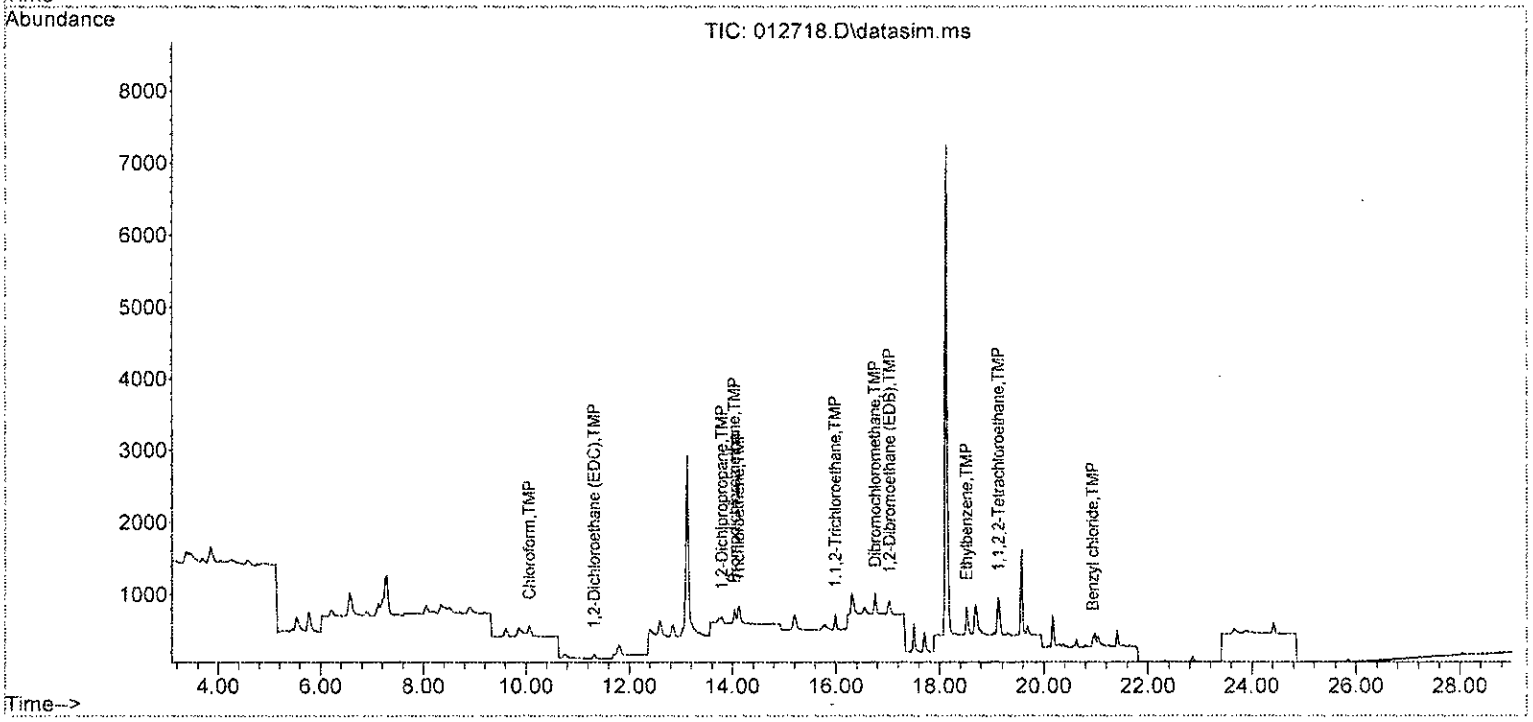
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.69#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.84#
6	TMP	Vinyl chloride	-1.000	0.000	0.0	0	-4.05#
7	TMP	1,3-Butadiene	-1.000	0.000	0.0	0	-4.17#
8	TMP	Butane	-1.000	0.000	0.0	0	-4.28#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.80#
11	TMP	Vinyl bromide	-1.000	0.000	0.0	0	-5.28#
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.92#
13	TMP	Acrolein	-1.000	0.000	0.0	0	-5.38#
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.22#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.80#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.53#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.76#
18	TMP	1,1-Dichloroethene	-1.000	0.000	0.0	0	-6.60#
19	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-8.07#
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.78#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.54#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.91#
23	TMP	CFC-113	-1.000	0.000	0.0	0	-7.12#
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.41#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.51#
27	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-8.33#
28	TMP	cis-1,2-Dichloroethene	-1.000	0.000	0.0	0	-9.60#
29	TMP	Hexane	-1.000	0.000	0.0	0	-9.99#
30	TMP	Chloroform	0.010	0.011	-10.0	100	0.00
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.90#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.73#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.88#
34	TMP	1,2-Dichloroethane (EDC)	0.010	0.011	-10.0	100	0.00
35	TMP	1,1,1-Trichloroethane	-1.000	0.000	0.0	0	-11.80#
36	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-12.84#
37	TMP	Benzene	-1.000	0.000	0.0	0	-12.59#
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.05#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.010	0.010	0.0	96	0.00
41	TMP	1,4-Dioxane	-1.000	0.000	0.0	0	-14.06#
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.20#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.52#
45	TMP	Bromodichloromethane	0.010	0.011	-10.0	100	0.00
46	TMP	Trichloroethene	0.010	0.012	-20.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.18#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.22#
49	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.78#
50	TMP	Toluene	-1.000	0.000	0.0	0	-16.31#
51	TMP	1,1,2-Trichloroethane	0.010	0.011	-10.0	100	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.55#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.51#
54	TMP	Dibromochloromethane	0.010	0.011	-10.0	106	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.010	0.011	-10.0	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.16#
58	TMP	Ethylbenzene	0.010	0.014	-40.0#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.010	0.012	-20.0	100	0.02
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.69#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.16#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.16#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.31#
65	TMP	m,p-Xylene	-1.000	0.000	0.0	0	-18.70#
66	TMP	o-Xylene	-1.000	0.000	0.0	0	-19.15#
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.04#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.79#
69	S	4-Bromofluorobenzene	10.000	8.966	10.3	100	0.00
70	TMP	Benzyl chloride	0.010	0.009	10.0	99	0.01
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.38#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.79#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.97#
74	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-21.03#
75	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-21.41#
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	-1.000	0.000	0.0	0	-23.84#
78	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-24.41#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.081	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.676	0.000#	100.0#	0#	-3.69#
5	TMP	F-114	4.169	0.000	100.0#	0#	-3.84#
6	TMP	Vinyl chloride	1.712	0.000#	100.0#	0#	-4.05#
7	TMP	1,3-Butadiene	1.078	0.000	100.0#	0#	-4.17#
8	TMP	Butane	2.051	0.000	100.0#	0#	-4.28#
9	TMP	Bromomethane	1.696	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.634	0.000#	100.0#	0#	-4.80#
11	TMP	Vinyl bromide	1.588	0.000	100.0#	0#	-5.28#
12	TMP	Ethanol	0.538	0.000	100.0#	0#	-4.92#
13	TMP	Acrolein	0.525	0.000	100.0#	0#	-5.38#
14	TMP	Pentane	2.340	0.000#	100.0#	0#	-6.22#
15	TMP	Trichlorofluoromethane	4.468	0.000#	100.0#	0#	-5.80#
16	TMP	Acetone	0.731	0.000#	100.0#	0#	-5.53#
17	TMP	2-Propanol	2.824	0.000	100.0#	0#	-5.76#
18	TMP	1,1-Dichloroethene	1.523	0.000#	100.0#	0#	-6.60#
19	TMP	trans-1,2-Dichloroethene	1.499	0.000	100.0#	0#	-8.07#
20	TMP	Methylene chloride	1.441	0.000#	100.0#	0#	-6.78#
21	TMP	t-Butyl alcohol (TBA)	2.364	0.000	100.0#	0#	-6.54#
22	TMP	3-Chloropropene	1.917	0.000	100.0#	0#	-6.91#
23	TMP	CFC-113	3.382	0.000	100.0#	0#	-7.12#
24	TMP	Carbon disulfide	4.899	0.000	100.0#	0#	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	3.174	0.000#	100.0#	0#	-8.41#
26	TMP	Vinyl acetate	3.532	0.000#	100.0#	0#	-8.51#
27	TMP	1,1-Dichloroethane	3.205	0.000#	100.0#	0#	-8.33#
28	TMP	cis-1,2-Dichloroethene	1.627	0.000#	100.0#	0#	-9.60#
29	TMP	Hexane	2.044	0.000	100.0#	0#	-9.99#
30	TMP	Chloroform	3.767	4.059	-7.8	100	0.00
31	TMP	Ethyl acetate	3.512	0.000	100.0#	0#	-9.90#
32	TMP	Tetrahydrofuran	1.858	0.000	100.0#	0#	-10.73#
33	TMP	2-Butanone (MEK)	0.538	0.000	100.0#	0#	-8.88#
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.545	-7.6	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	0.000#	100.0#	0#	-11.80#
36	TMP	Carbon tetrachloride	3.318	0.000#	100.0#	0#	-12.84#
37	TMP	Benzene	5.322	0.000#	100.0#	0#	-12.59#
38	TMP	Cyclohexane	1.294	0.000	100.0#	0#	-13.05#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.564	-1.6	96	0.00
41	TMP	1,4-Dioxane	0.232	0.000	100.0#	0#	-14.06#
42	TMP	2,2,4-Trimethylpentane	1.623	0.000	100.0#	0#	-14.20#
43	TMP	Methyl methacrylate	0.452	0.000	100.0#	0#	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012718.D
Acq On : 28 Jan 2023 4:44 am
Operator : bat
Sample : 0.01 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 12:05:56 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:04:12 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

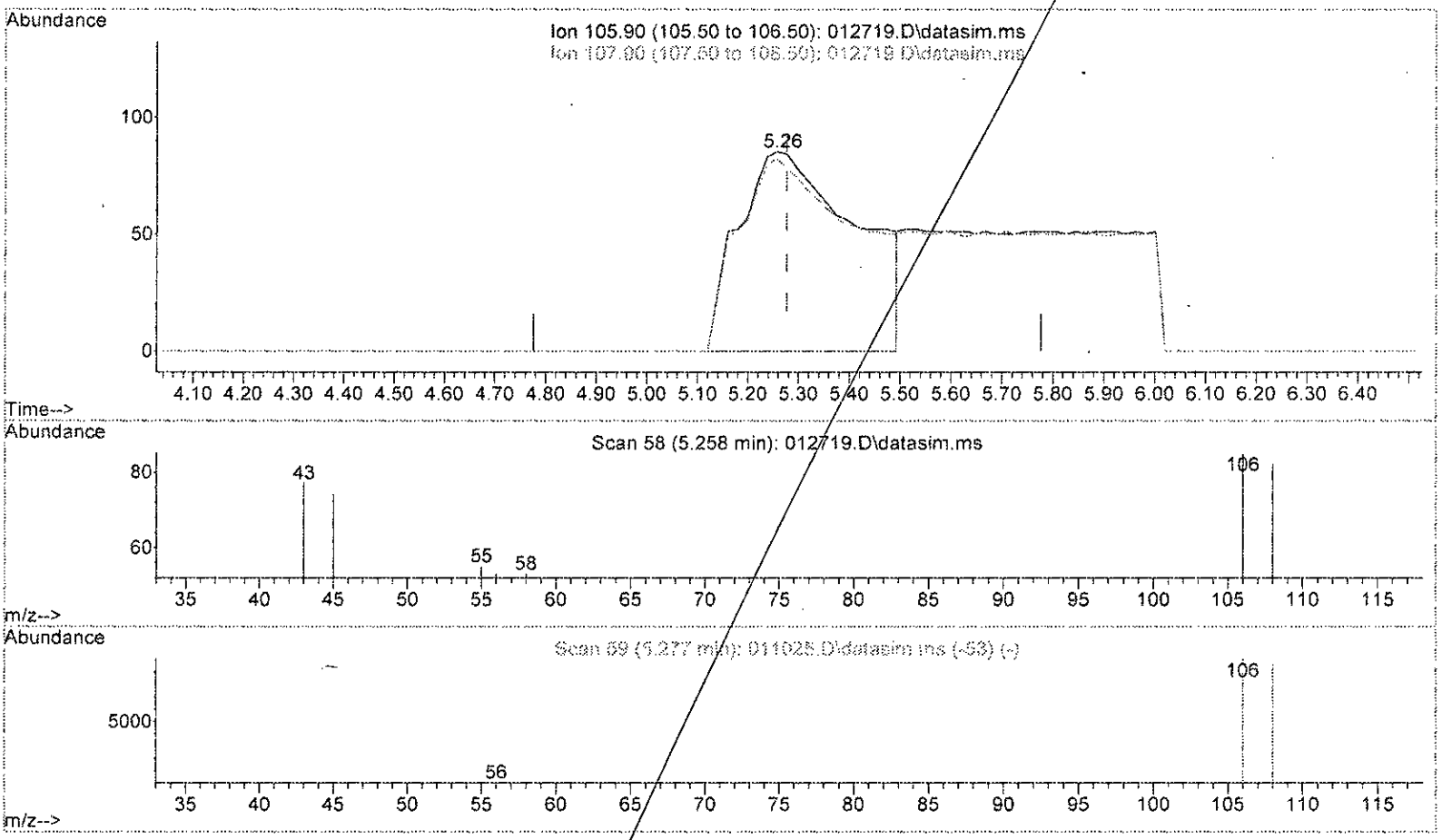
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.000	100.0#	0#	-14.52#
45	TMP	Bromodichloromethane	0.905	0.960	-6.1	100	0.00
46	TMP	Trichloroethene	0.579	0.673	-16.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.000	100.0#	0#	-15.18#
48	TMP	4-Methyl-2-pentanone	0.043	0.000	100.0#	0#	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.592	0.000	100.0#	0#	-15.78#
50	TMP	Toluene	0.734	0.000	100.0#	0#	-16.31#
51	TMP	1,1,2-Trichloroethane	0.543	0.592	-9.0	100	0.00
52	TMP	2-Hexanone	0.755	0.000#	100.0#	0#	-16.55#
53	TMP	Tetrachloroethene	0.473	0.000#	100.0#	0#	-17.51#
54	TMP	Dibromochloromethane	0.912	1.030	-12.9	106	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.910	-10.6	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	0.000#	100.0#	0#	-18.16#
58	TMP	Ethylbenzene	1.957	2.808	-43.5#	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.879	-21.6	100	0.02
60	TMP	Nonane	1.017	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.868	0.000	100.0#	0#	-19.69#
62	TMP	2-Chlorotoluene	0.464	0.000	100.0#	0#	-20.16#
63	TMP	Propylbenzene	3.426	0.000	100.0#	0#	-20.16#
64	TMP	4-Ethyltoluene	1.627	0.000	100.0#	0#	-20.31#
65	TMP	m,p-Xylene	0.641	0.000#	100.0#	0#	-18.70#
66	TMP	o-Xylene	0.636	0.000#	100.0#	0#	-19.15#
67	TMP	Styrene	0.840	0.000#	100.0#	0#	-19.04#
68	TMP	Bromoform	1.062	0.000#	100.0#	0#	-18.79#
69	S	4-Bromofluorobenzene	0.665	0.596	10.4	100	0.00
70	TMP	Benzyl chloride	1.083	0.957	11.6	99	0.01
71	TMP	1,3,5-Trimethylbenzene	1.539	0.000	100.0#	0#	-20.38#
72	TMP	1,2,4-Trimethylbenzene	1.333	0.000	100.0#	0#	-20.79#
73	TMP	1,3-Dichlorobenzene	1.018	0.000	100.0#	0#	-20.97#
74	TMP	1,4-Dichlorobenzene	0.931	0.000	100.0#	0#	-21.03#
75	TMP	1,2-Dichlorobenzene	1.040	0.000	100.0#	0#	-21.41#
76	TMP	1,2,4-Trichlorobenzene	0.595	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	0.967	0.000	100.0#	0#	-23.84#
78	TMP	Hexachlorobutadiene	1.025	0.000	100.0#	0#	-24.41#

(#) = Out of Range SPCC's out = 24 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(11) Vinyl bromide (TMP)
5.258min (-0.019) 0.112 ppbv
response 1483

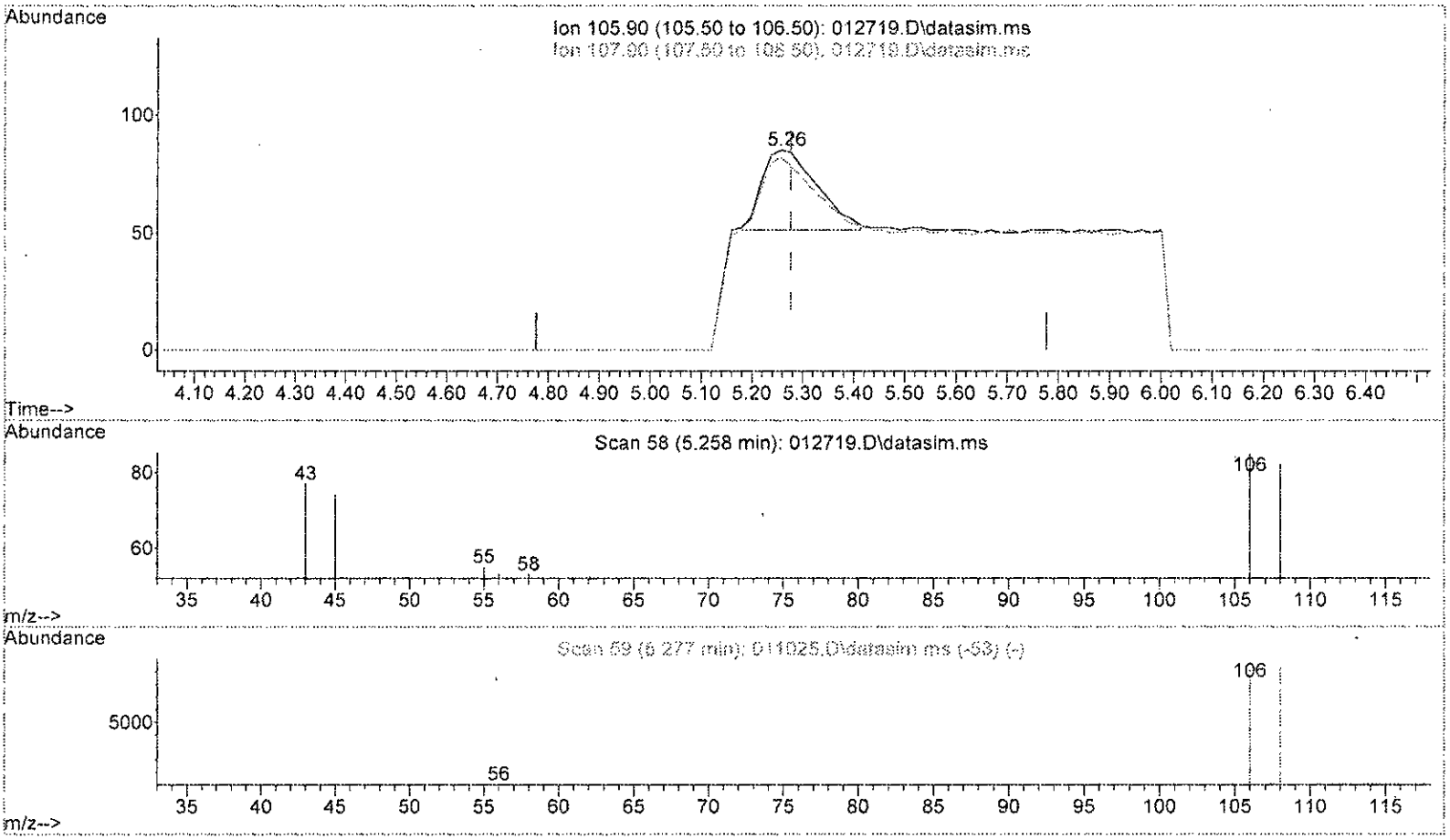
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	92.65
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 0.019 ppbv m

response 256

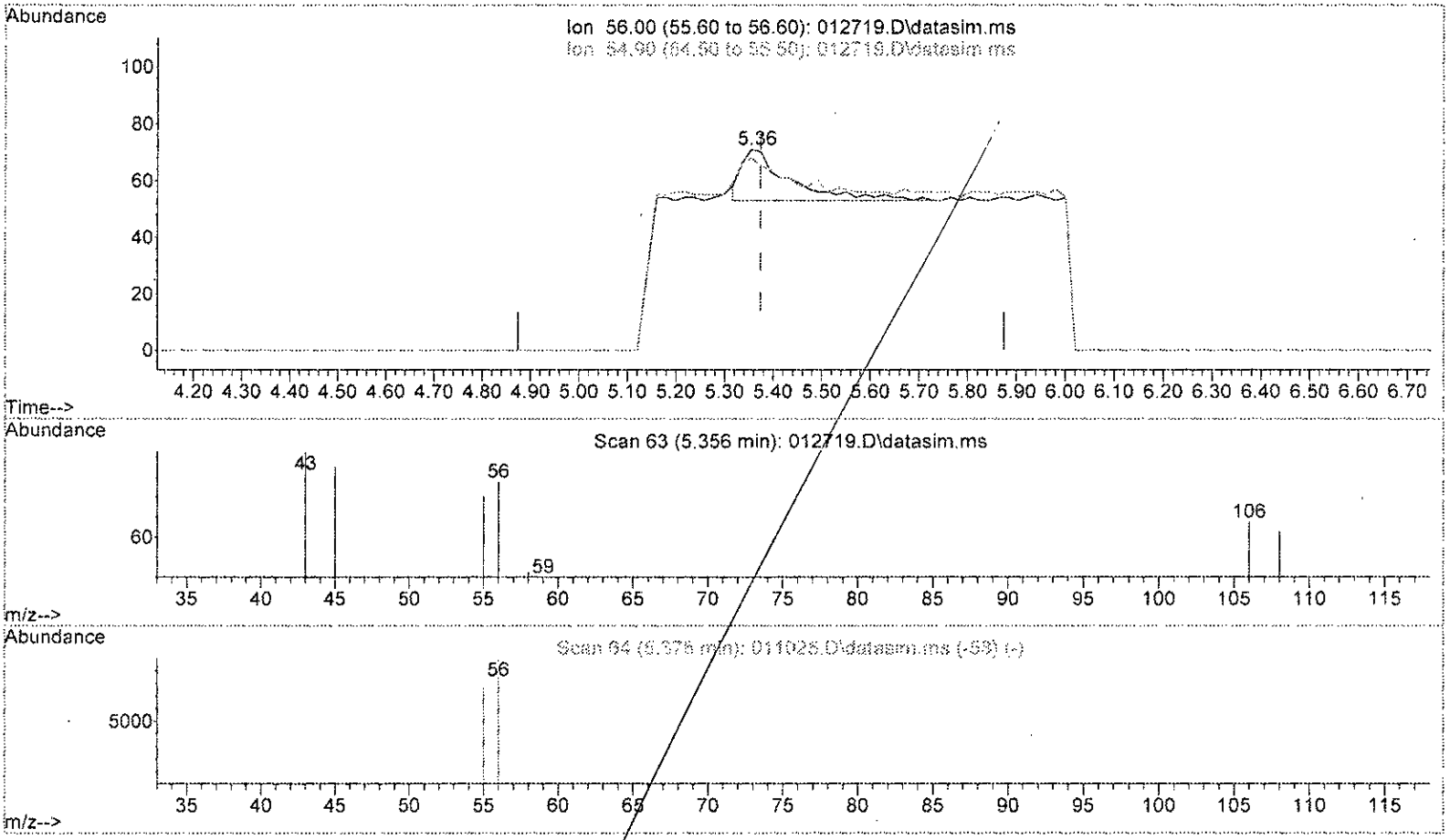
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	536.72#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 0.028 ppbv

response 122

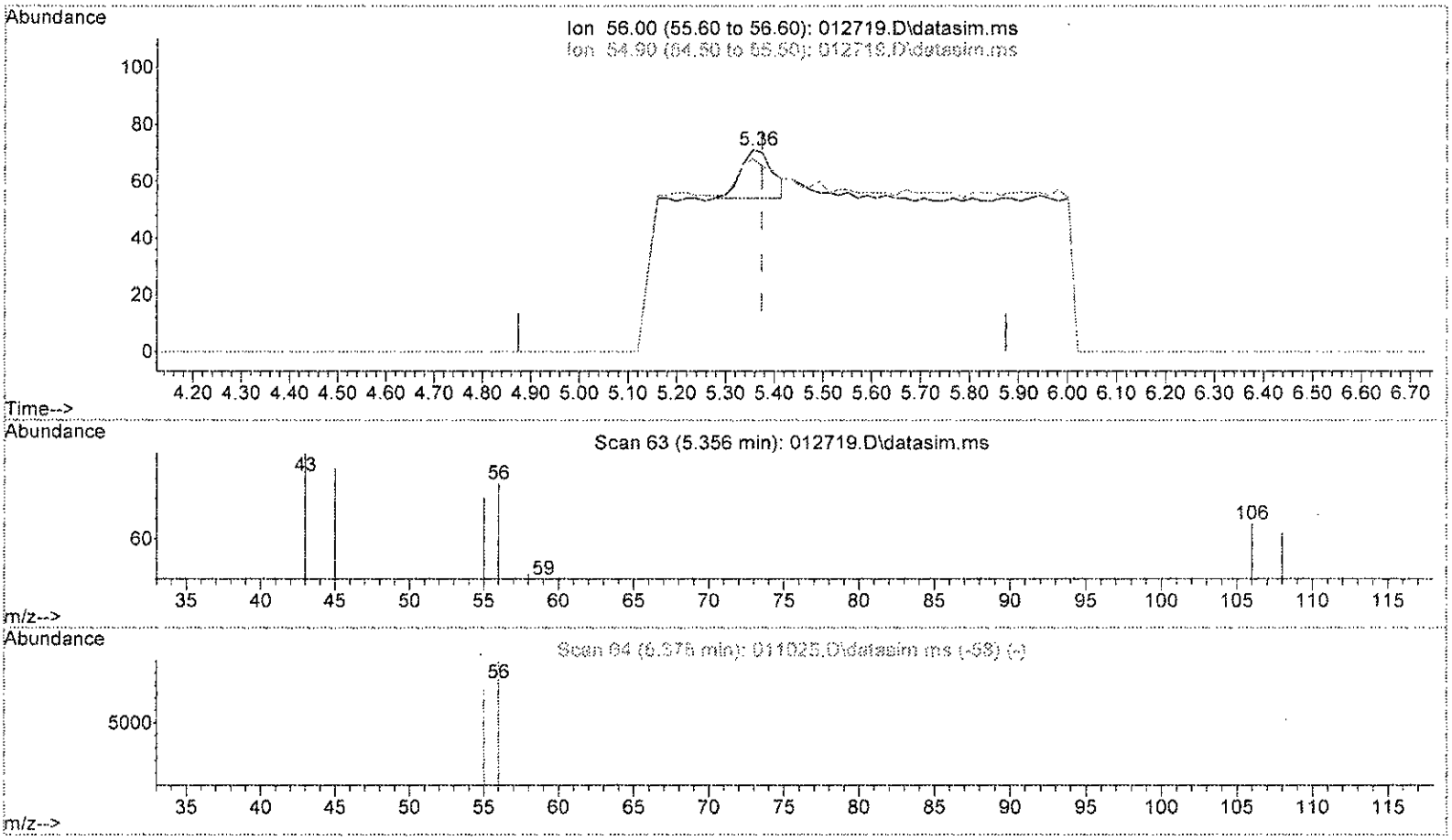
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 0.018 ppbv m

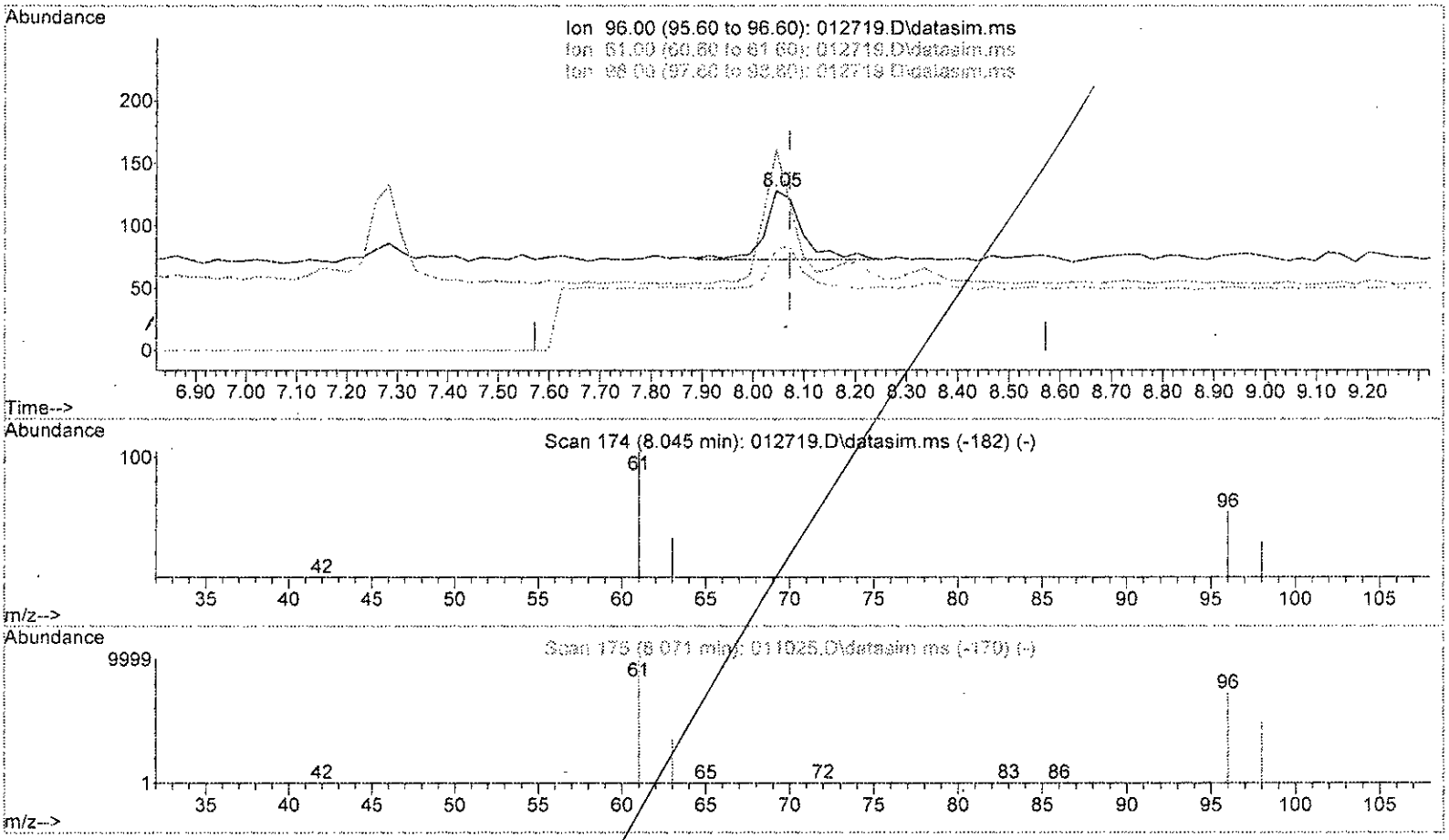
response 77

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.045min (-0.027) 0.022 ppbv

response 273

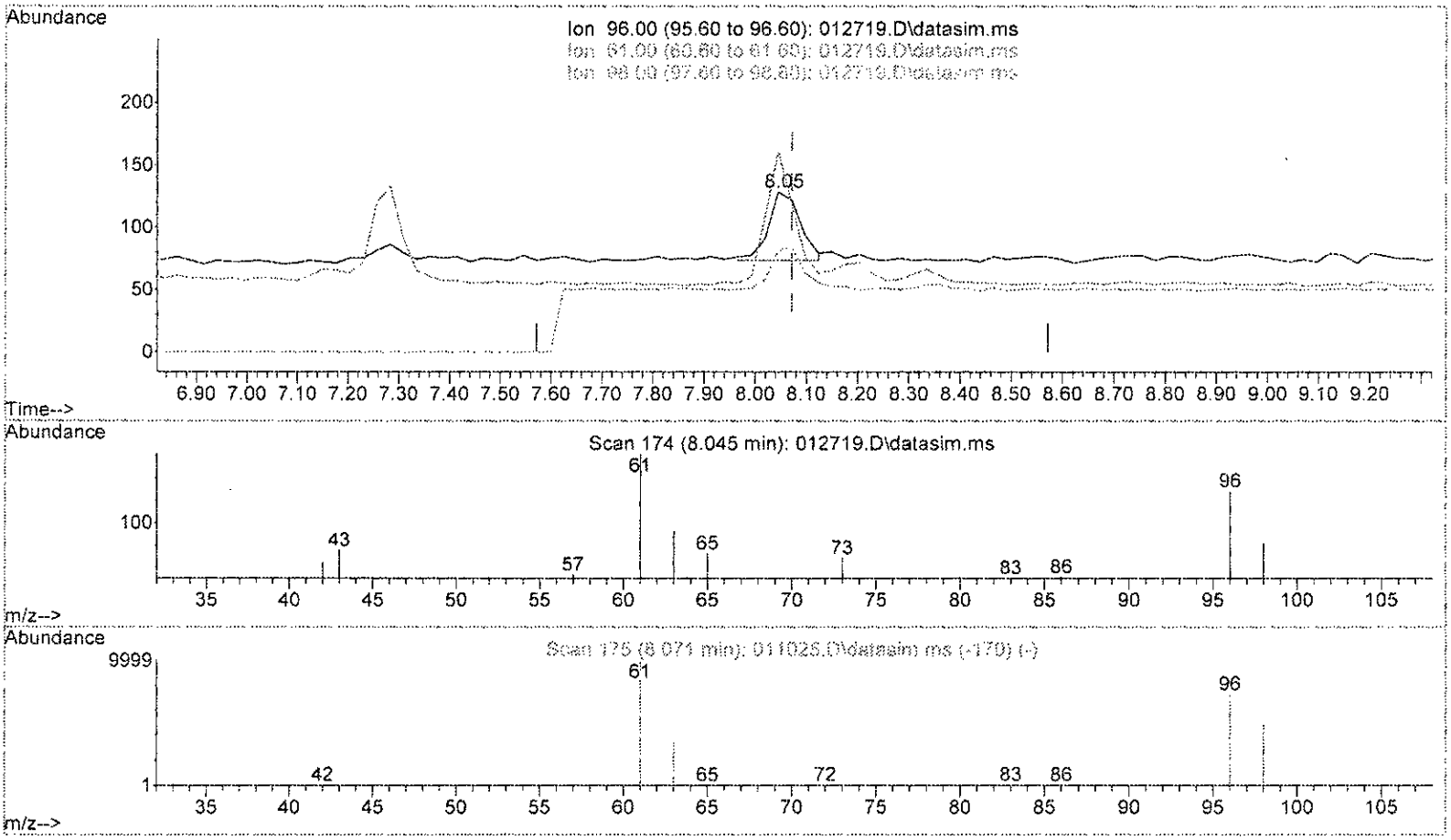
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	194.55
98.00	64.20	56.36
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.045min (-0.027) 0.019 ppbv m

response 238

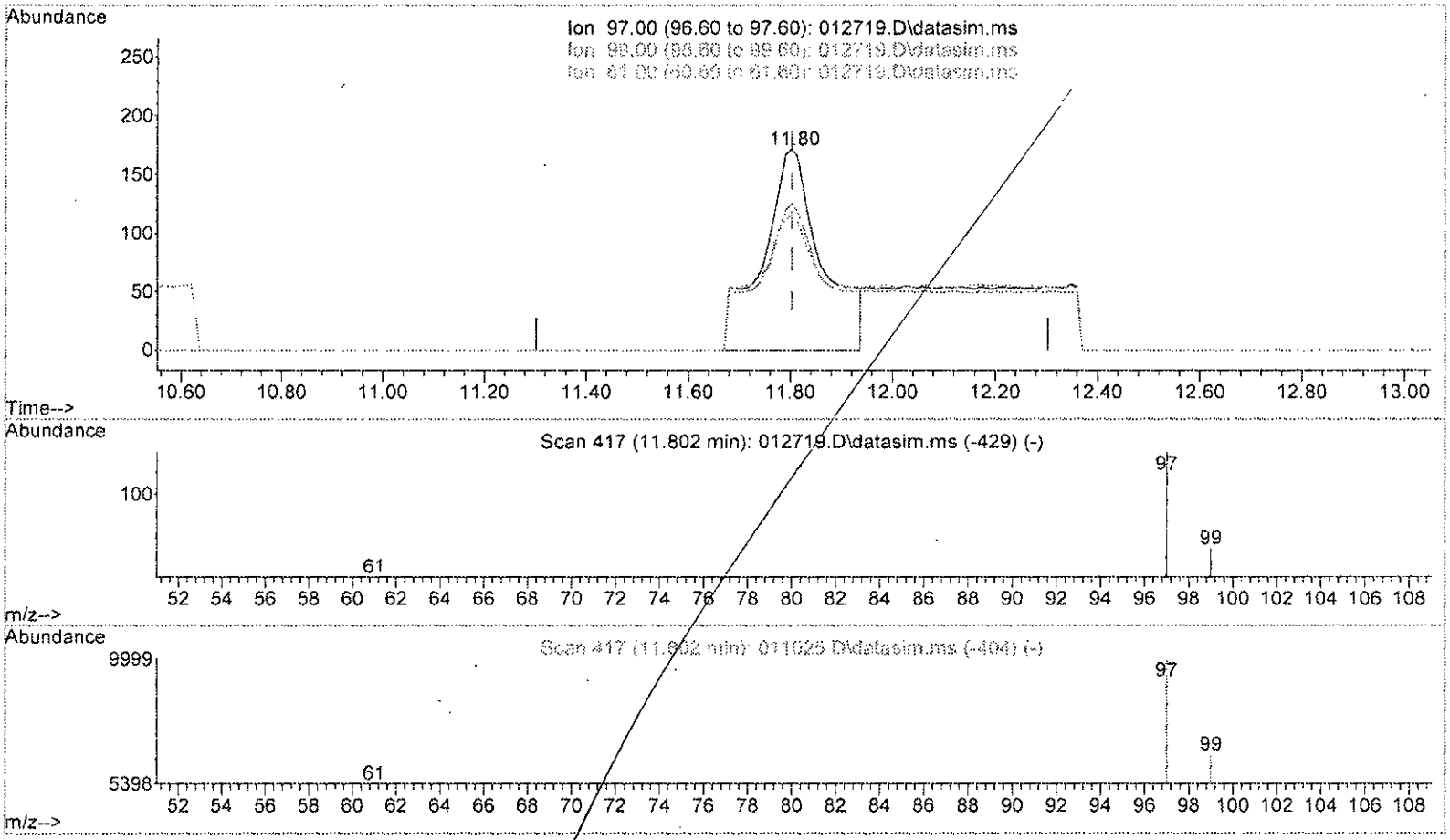
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	125.78#
98.00	64.20	63.28
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.802min (-0.001) 0.052 ppbv

response 1365

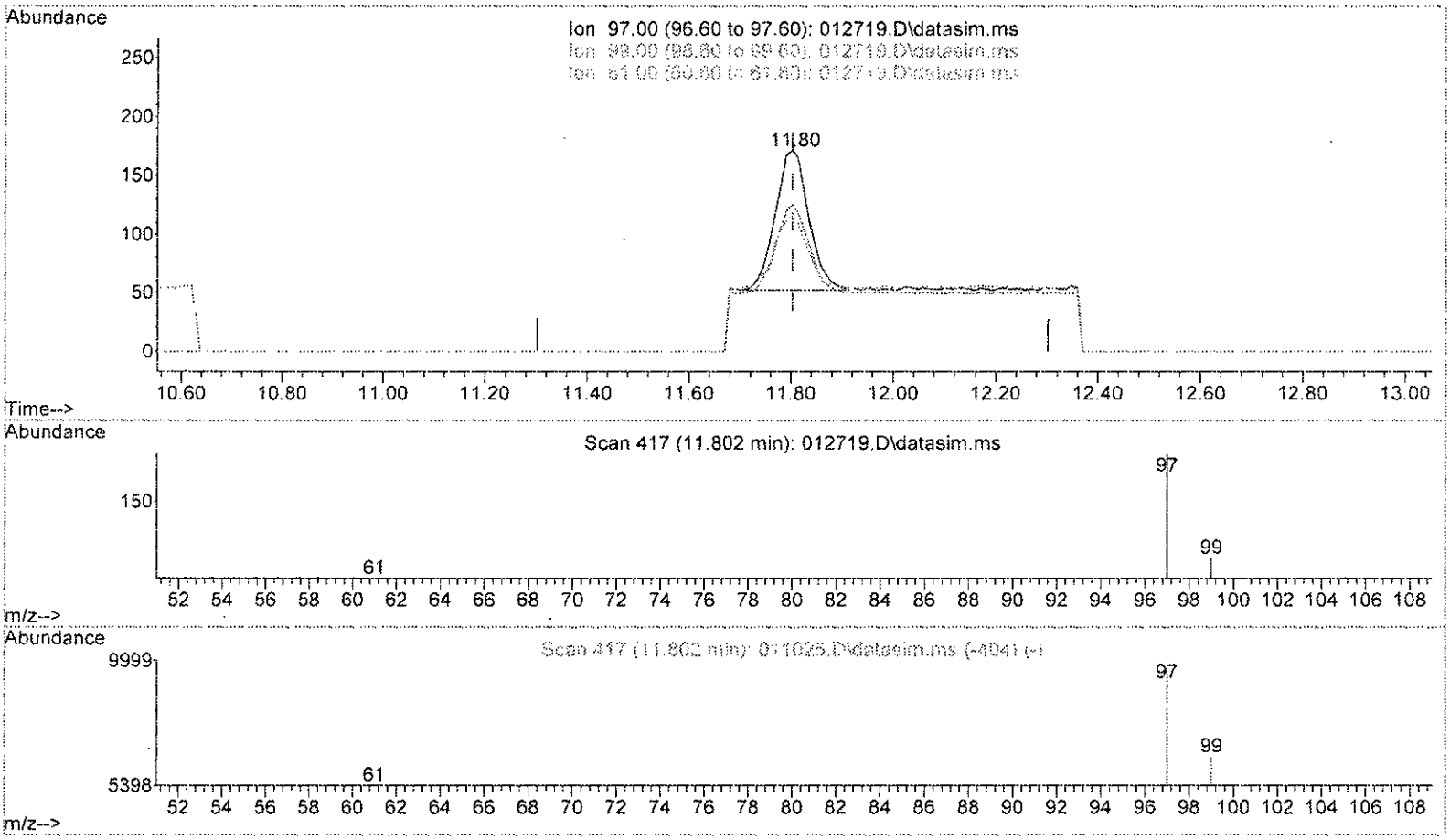
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.10
61.00	49.30	67.84
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.802min (-0.001) 0.021 ppbv m

response 543

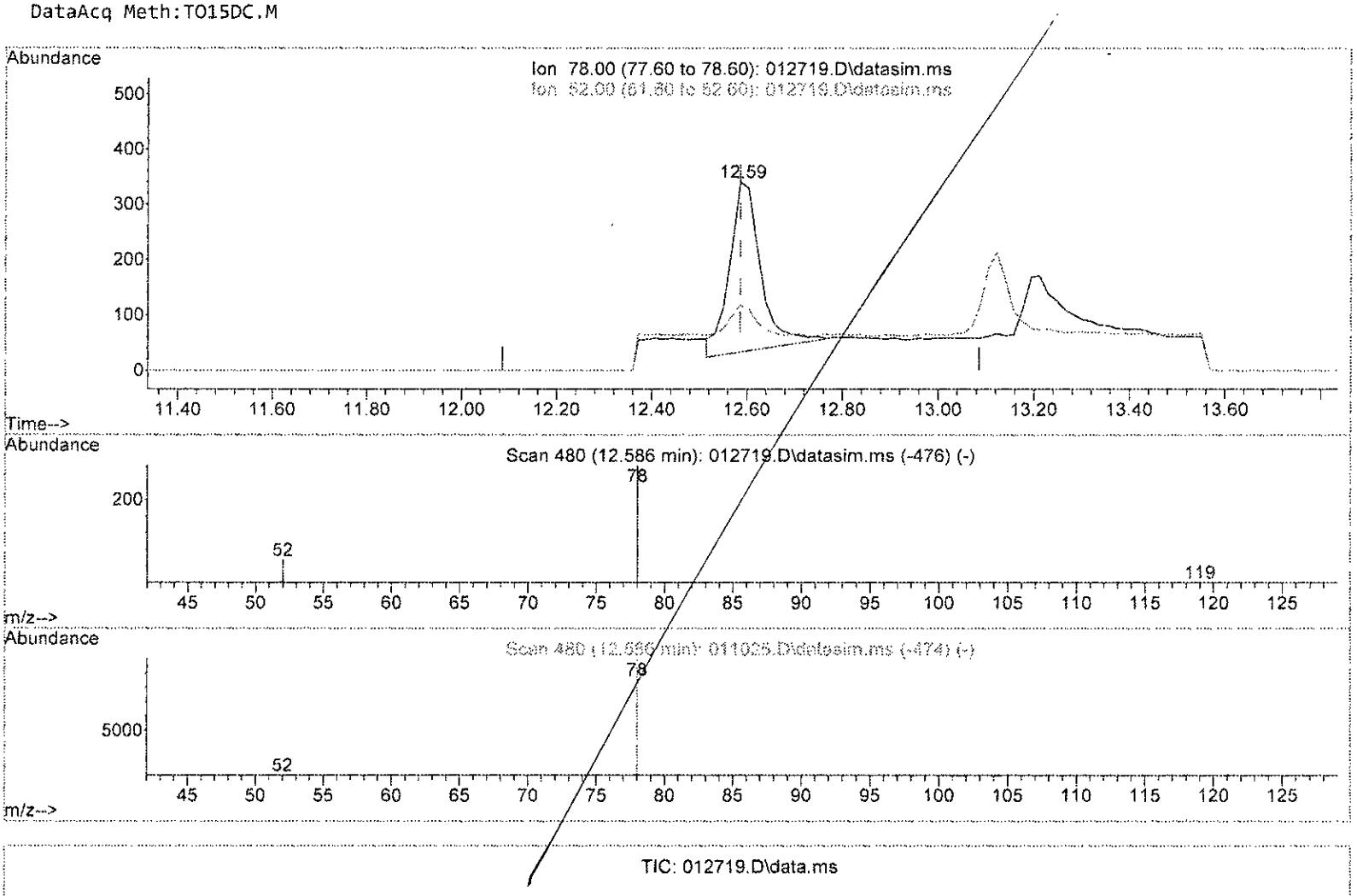
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	73.10
61.00	49.30	67.84
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(37) Benzene (TMP)

12.586min (-0.000) 0.032 ppbv

response 1401

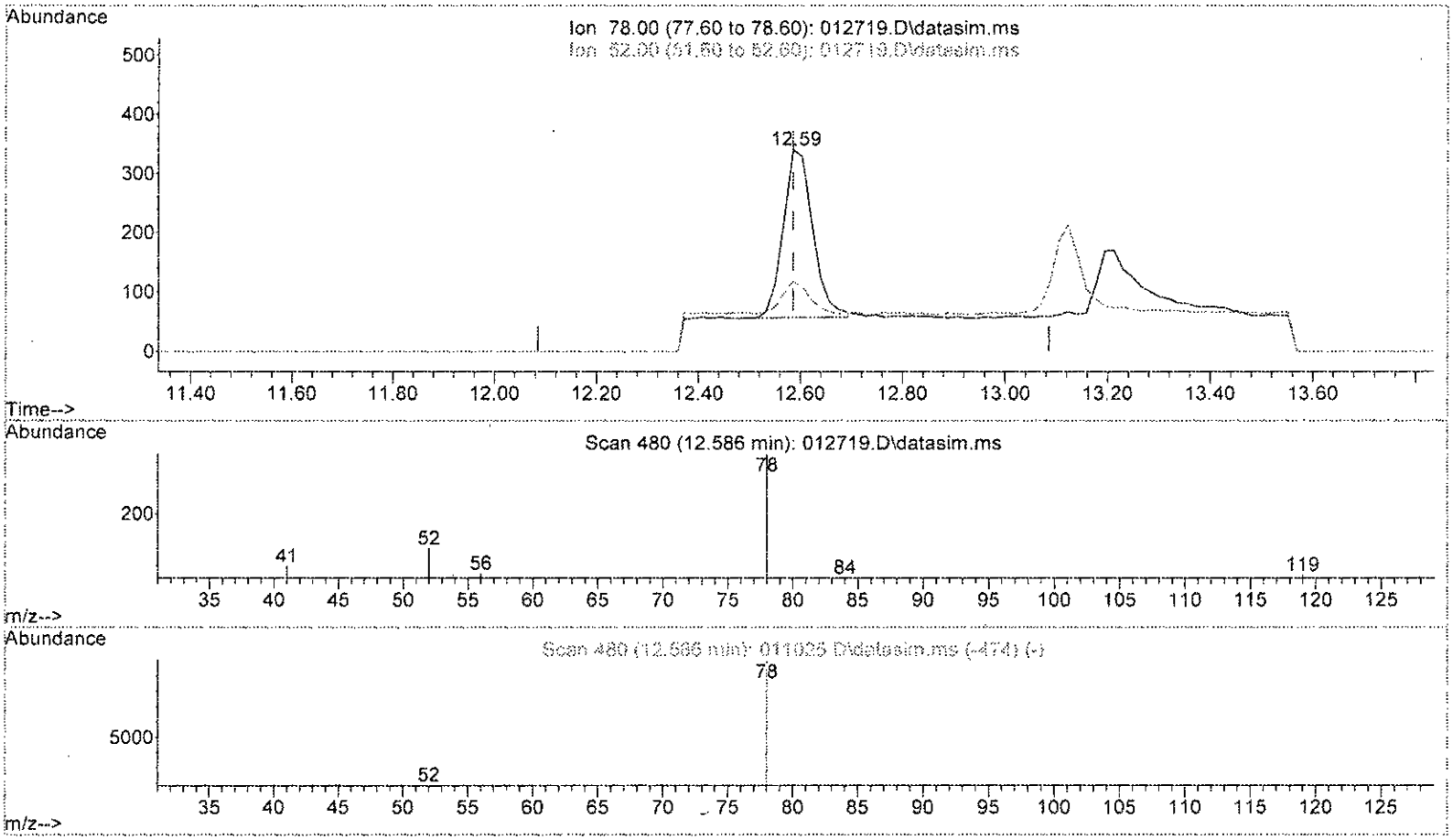
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	19.08
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(37) Benzene (TMP)

12.586min (-0.000) 0.025 ppbv m

response 1132

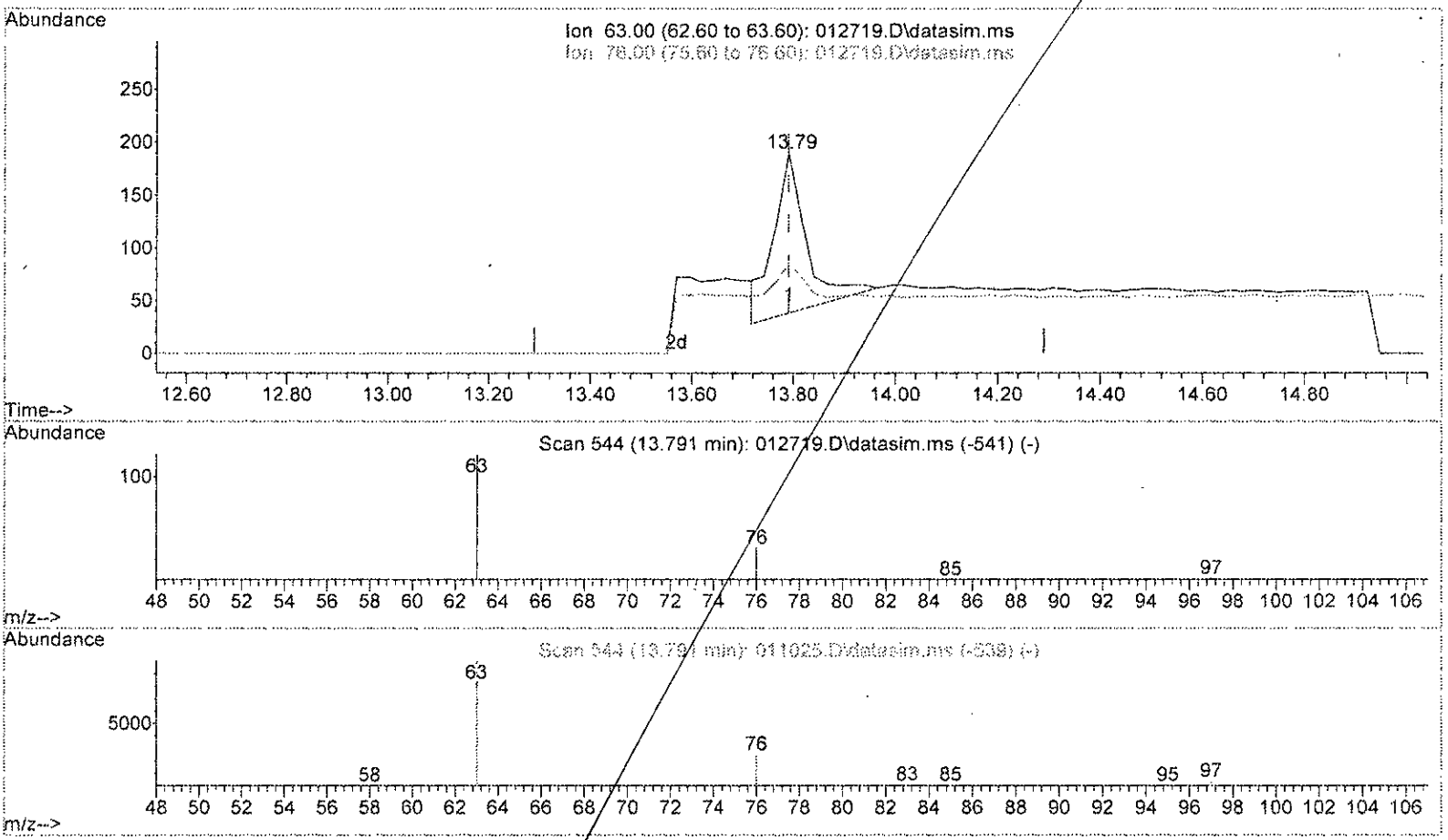
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	34.71
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

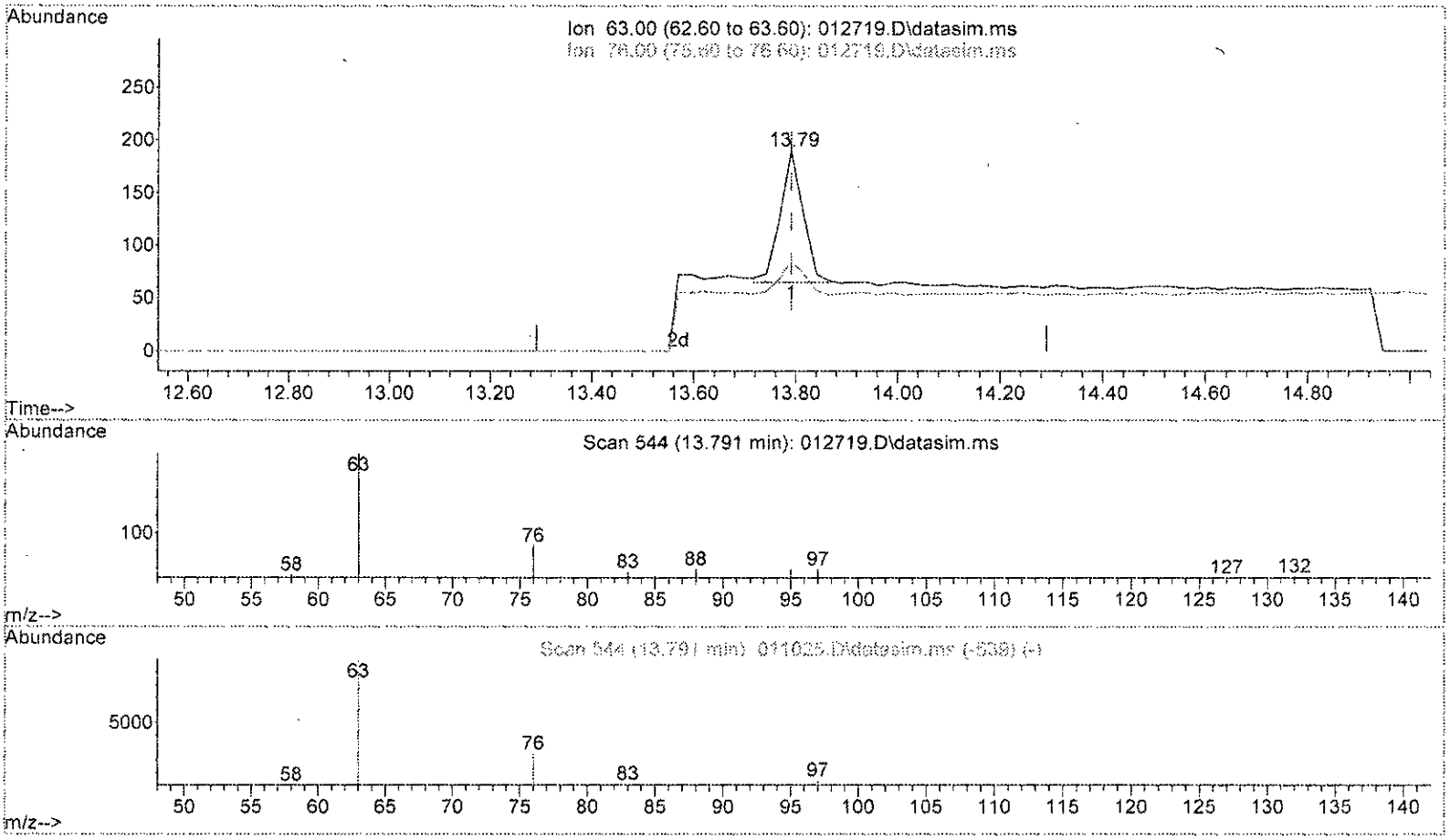
(40) 1,2-Dichloropropane (TMP)
13.791min (+ 0.000) 0.034 ppbv
response 678

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	25.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (+ 0.000) 0.019 ppbv m

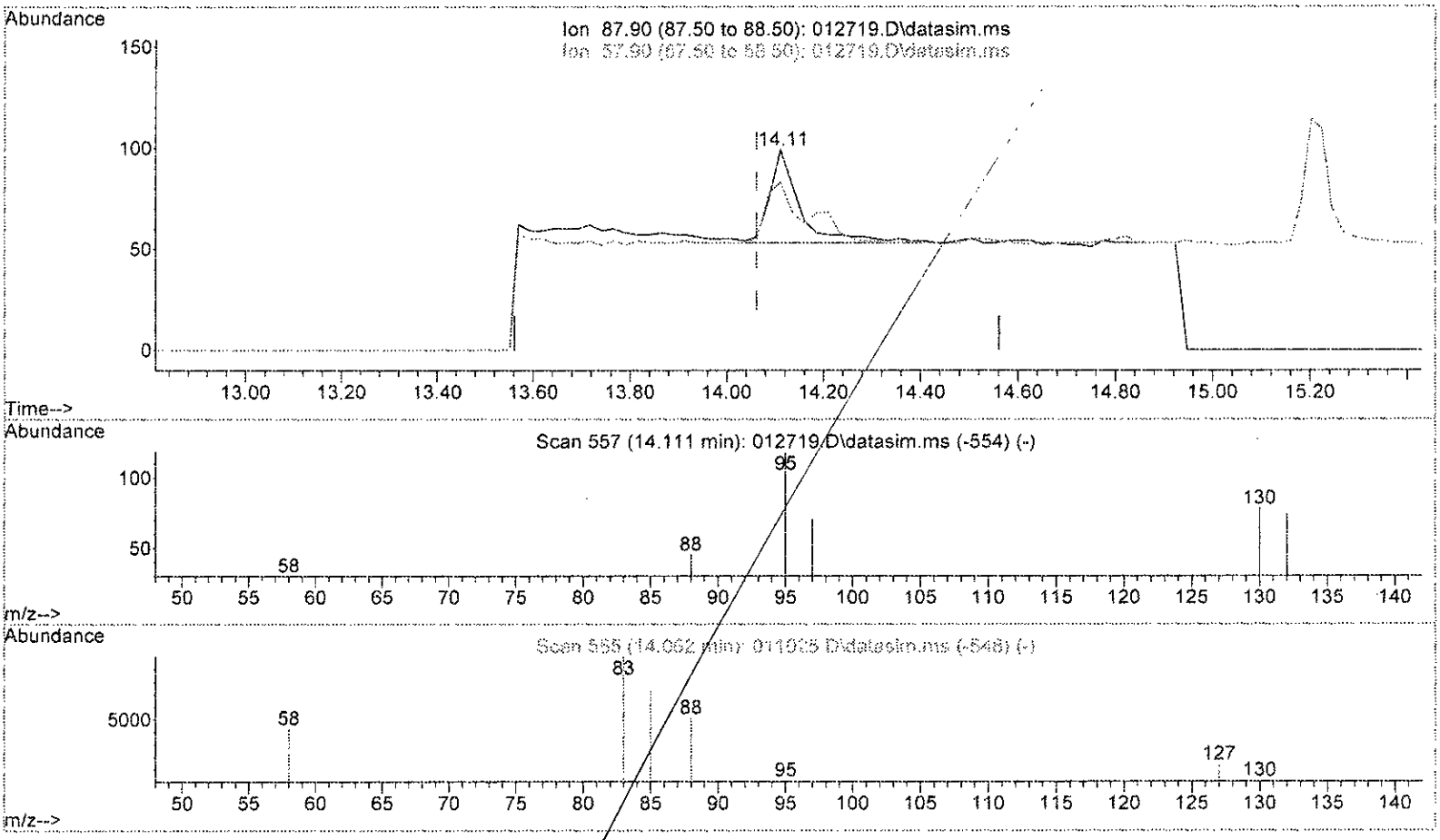
response 388

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	44.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(41) 1,4-Dioxane (TMP)

14.111min (+ 0.049) 0.024 ppbv

response 199

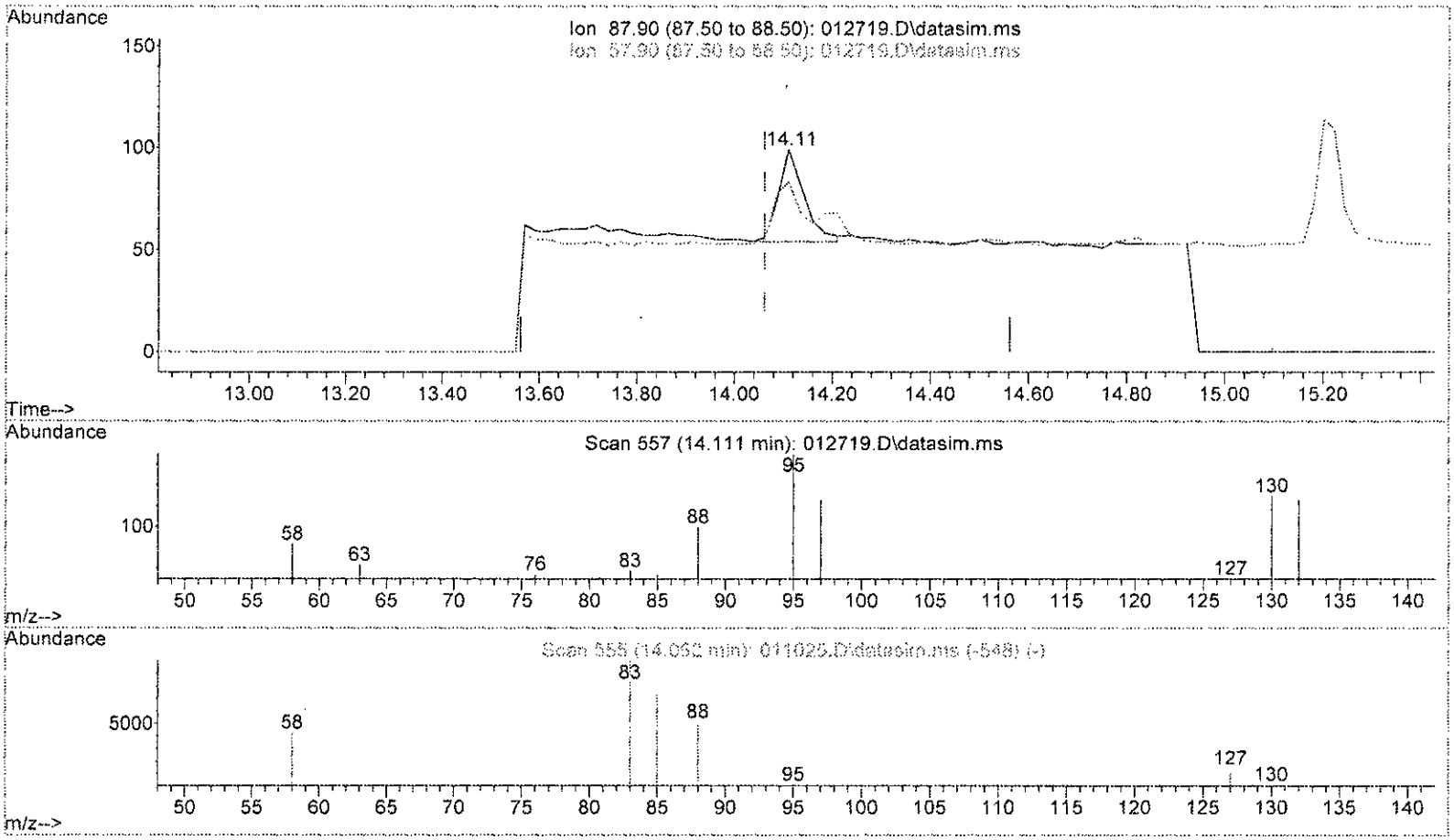
Ion	Exp%	Act%
87.90	100.00	100.00
57.90	73.40	65.22
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(41) 1,4-Dioxane (TMP)

14.111min (+ 0.049) 0.020 ppbv m

response 164

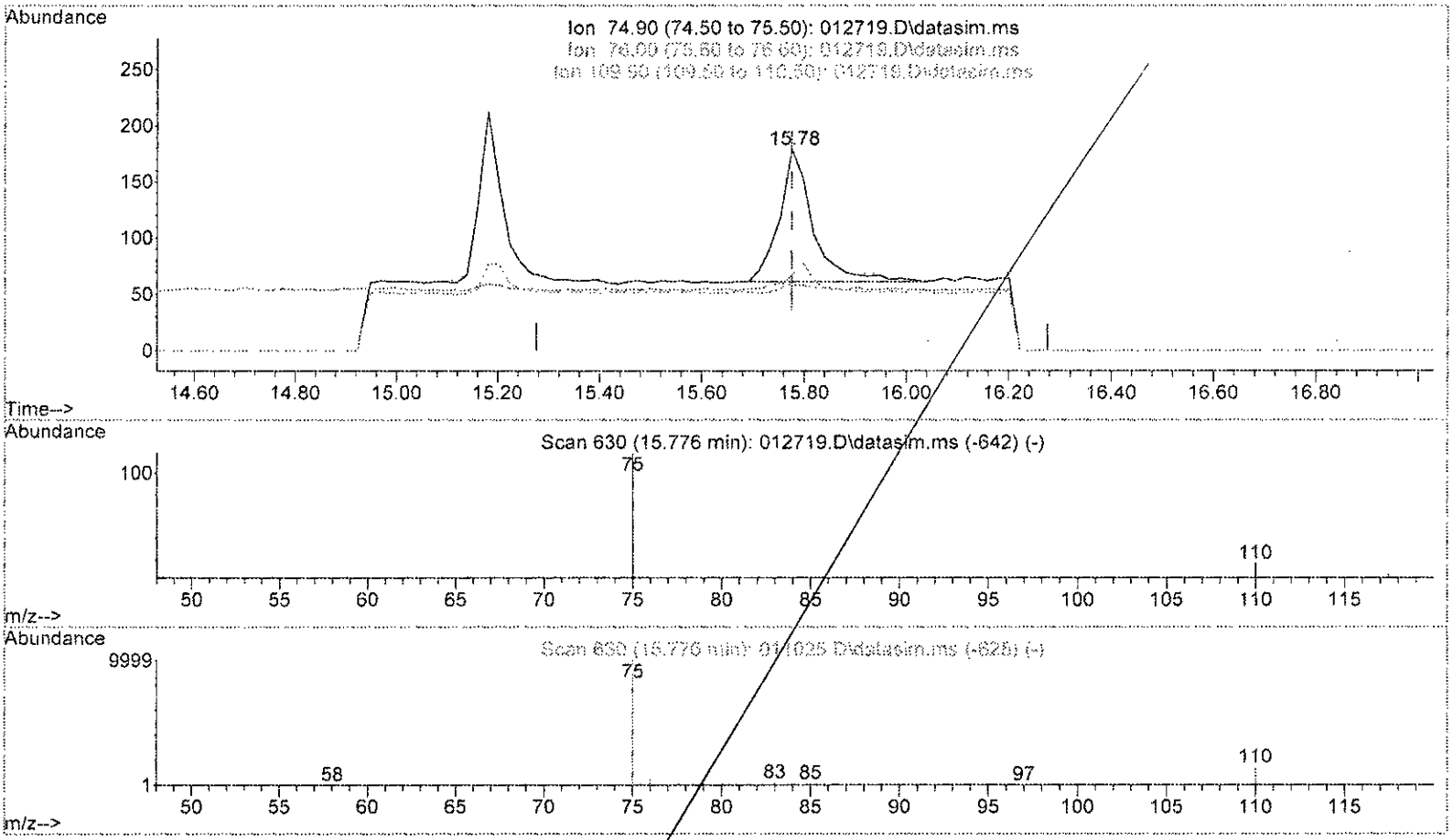
Ion	Exp%	Act%
87.90	100.00	100.00
57.90	73.40	83.84
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(49) trans-1,3-Dichloropropene (TMP)

15.776min (+ 0.000) 0.025 ppbv

response 534

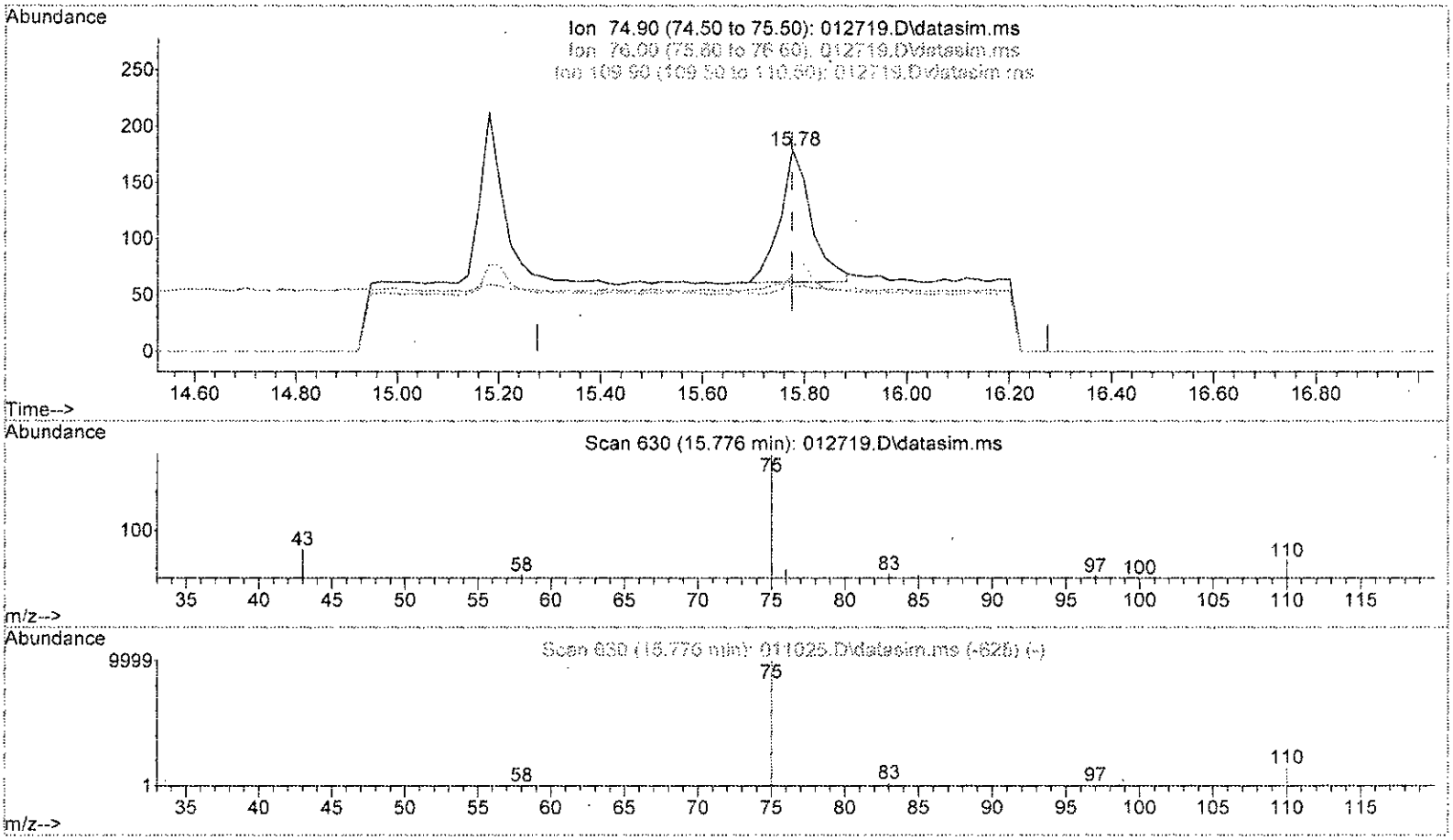
Ion	Exp%	Act%
74.90	100.00	100.00
76.00	3.50	3.39
109.90	21.10	14.41
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(49) trans-1,3-Dichloropropene (TMP)

15.776min (+ 0.000) 0.023 ppbv m

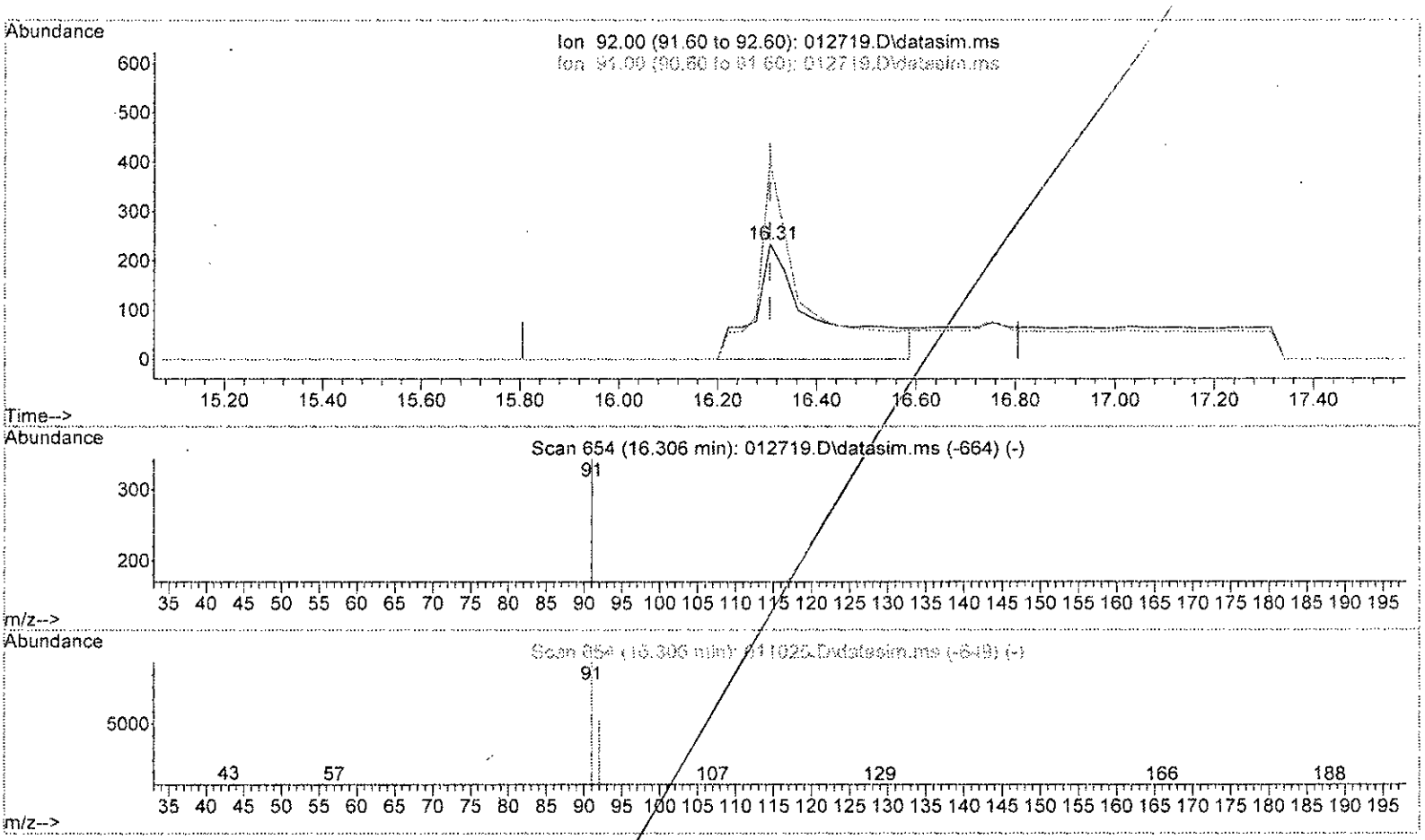
response 498

Ion	Exp%	Act%
74.90	100.00	100.00
76.00	3.50	32.40
109.90	21.10	37.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(50) Toluene (TMP)

16.306min (+ 0.000) 0.078 ppbv

response 2071

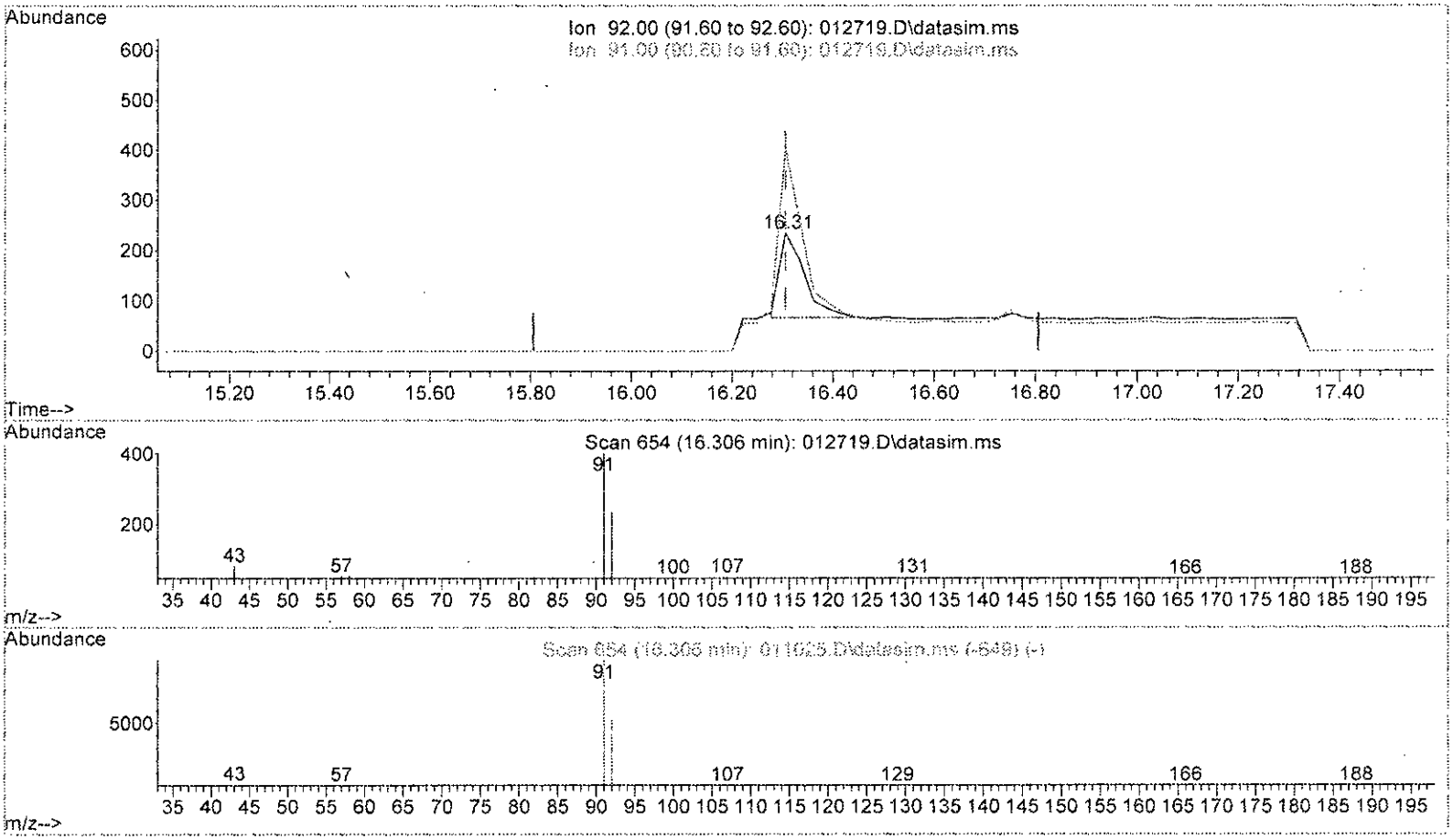
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	171.37#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(50) Toluene (TMP)
16.306min (+ 0.000) 0.021 ppbv m
response 569

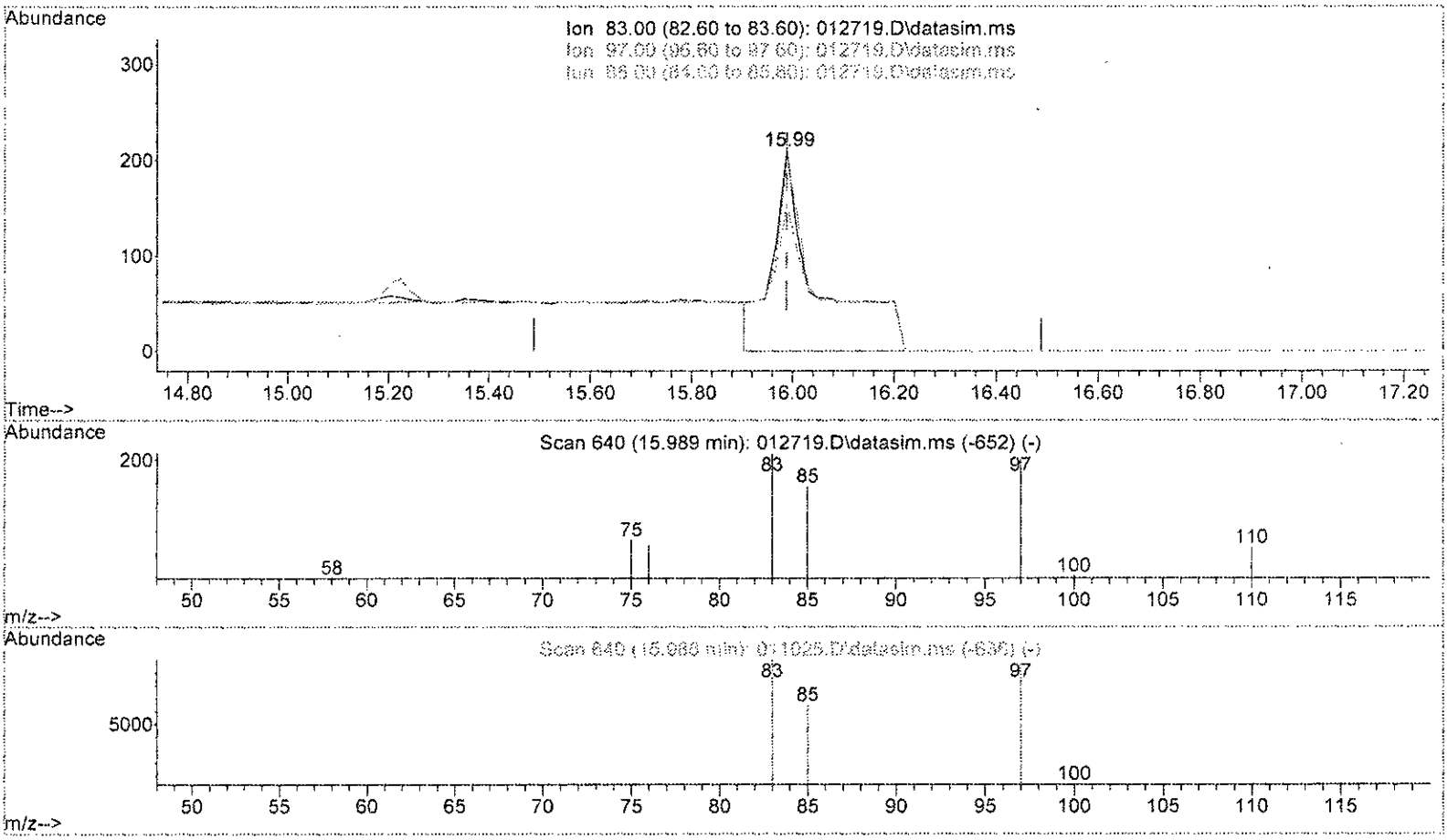
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	171.37#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 0.069 ppbv

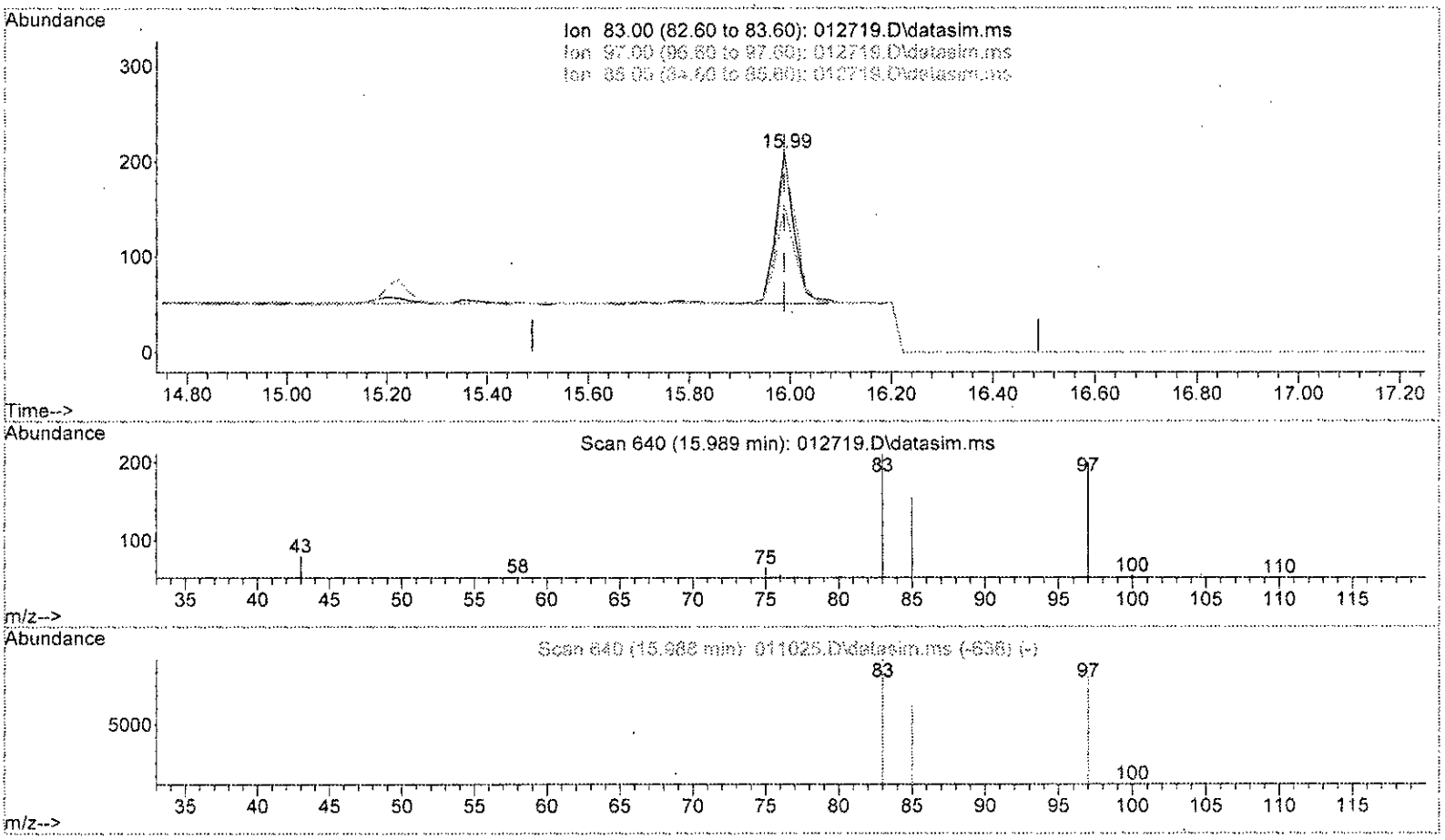
response 1344

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	94.76
85.00	60.50	73.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 0.020 ppbv m

response 400

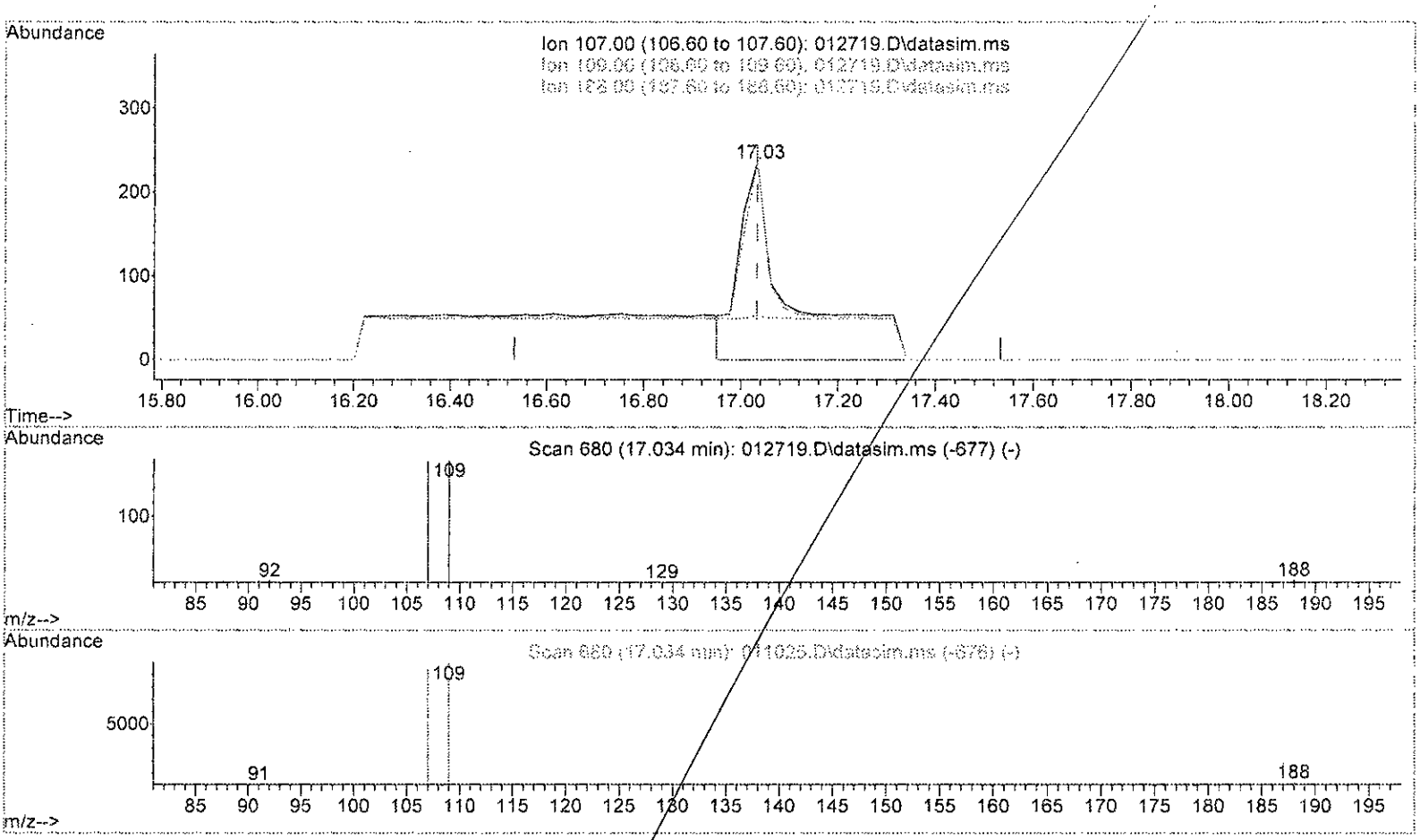
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	94.76
85.00	60.50	73.33
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.058 ppbv

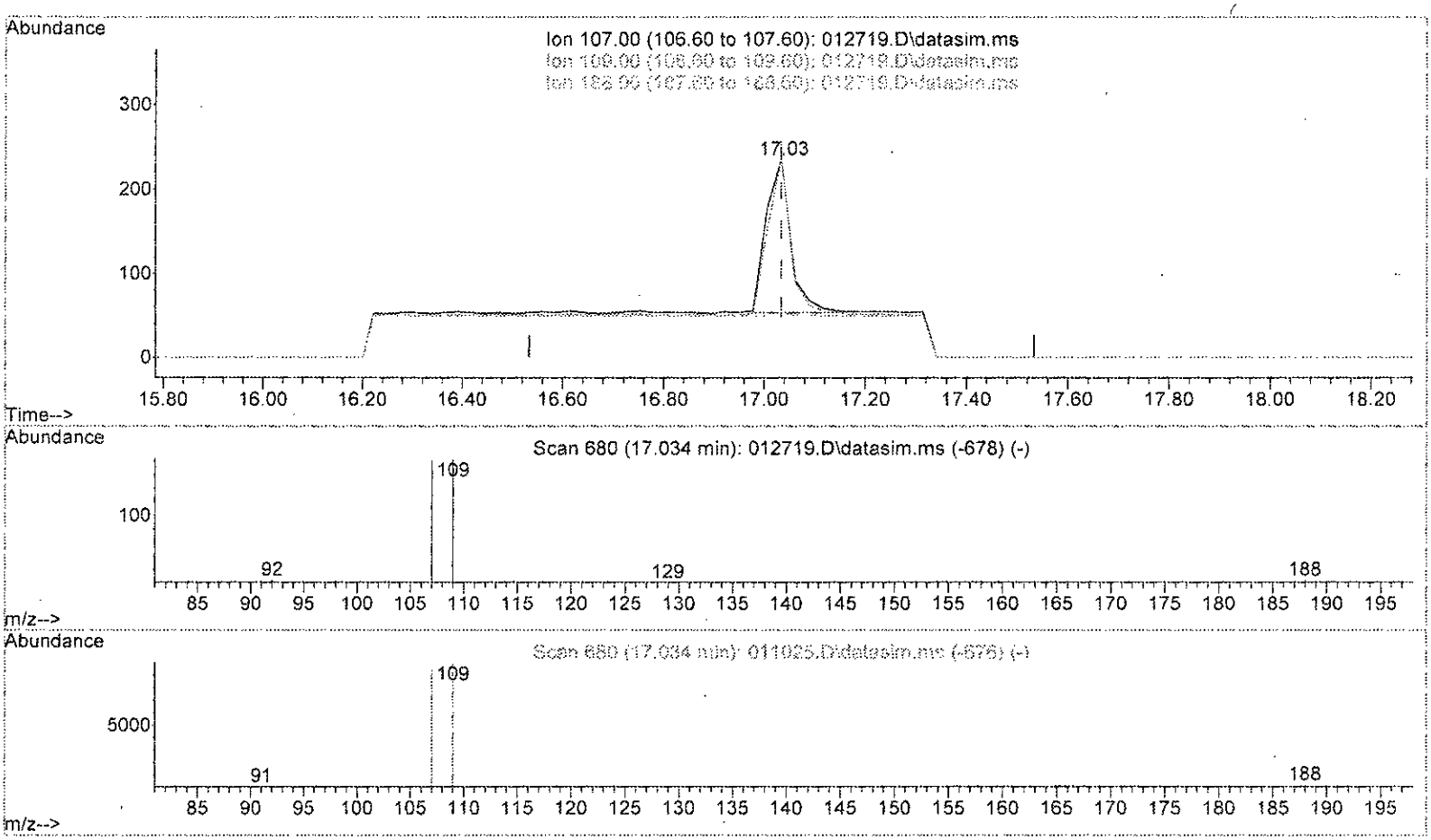
response 1717

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	100.00
188.00	2.70	22.55
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012719.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.021 ppbv m

response 613

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	100.00
188.00	2.70	22.55
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	83542	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	360604	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	300413	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	179597	8.997	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.00%		
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6] Vinyl chloride	4.05	62	274	0.019	ppbv	89
7] 1,3-Butadiene	4.17	54	169	0.019	ppbv #	84
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11] Vinyl bromide	5.26	106	256m	0.019	ppbv	
12) Ethanol	0.00		0	N.D.		
13] Acrolein	5.36	56	77m	0.018	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.60	96	257	0.020	ppbv #	1
19] trans-1,2-Dichloroethene	8.05	96	238m	0.019	ppbv	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.12	101	394	0.014	ppbv #	59
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.33	63	544	0.020	ppbv	98
28] cis-1,2-Dichloroethene	9.60	96	288	0.021	ppbv	84
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.07	83	635	0.020	ppbv	97
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.		
34] 1,2-Dichloroethane (EDC)	11.31	62	382	0.019	ppbv	97
35] 1,1,1-Trichloroethane	11.80	97	543m	0.021	ppbv	
36] Carbon tetrachloride	12.84	117	559	0.020	ppbv	99
37] Benzene	12.59	78	1132m	0.025	ppbv	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.79	63	388m	0.019	ppbv	

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

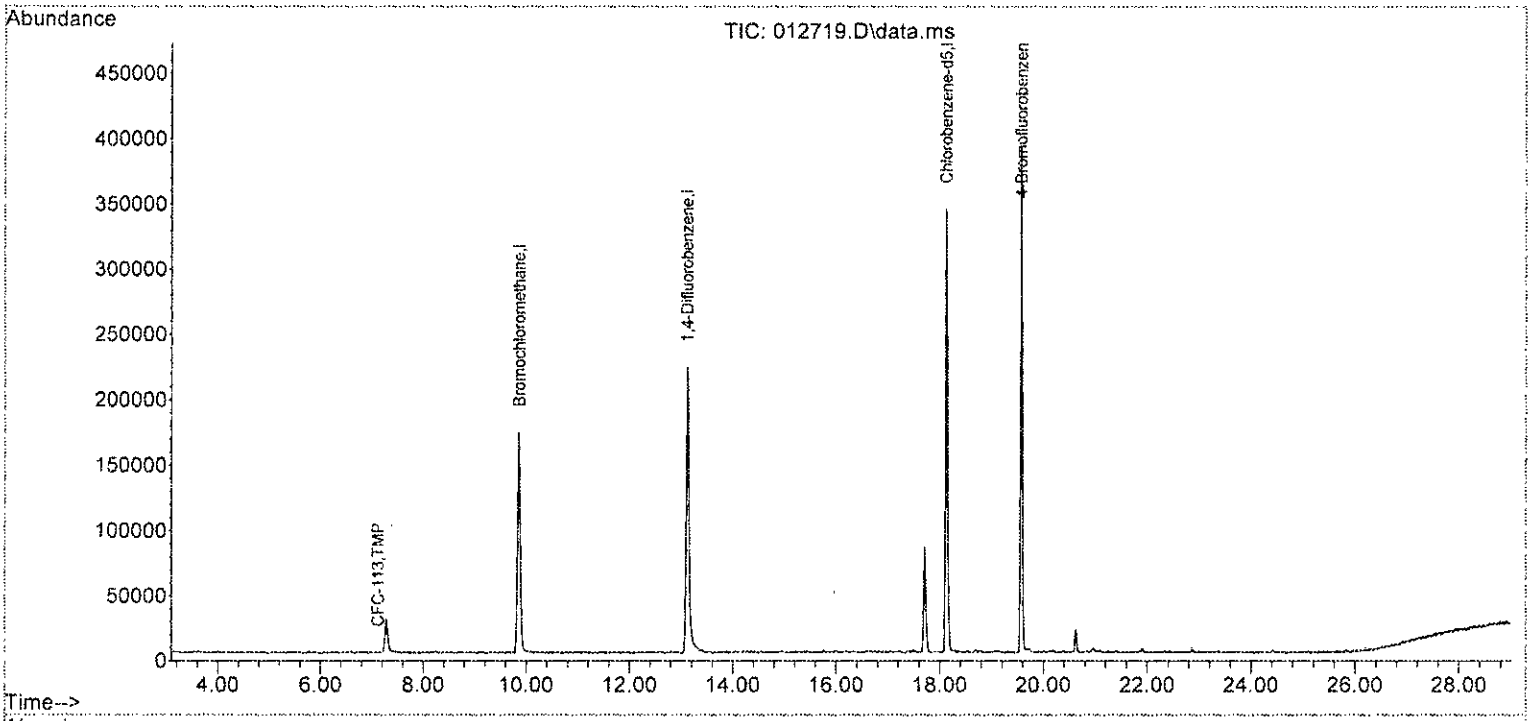
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.11	88	164m	0.020	ppbv	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45] Bromodichloromethane	14.04	83	656	0.020	ppbv	97
46] Trichloroethene	14.11	95	437	0.021	ppbv	81
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49] trans-1,3-Dichloropropene	15.78	75	498m	0.023	ppbv	
50] Toluene	16.31	92	569m	0.021	ppbv	
51] 1,1,2-Trichloroethane	15.99	83	400m	0.020	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	0.00		0	N.D.	d	
54] Dibromochloromethane	16.75	129	668	0.020	ppbv	99
55] 1,2-Dibromoethane (EDB)	17.03	107	613m	0.021	ppbv	
57) Chlorobenzene	0.00		0	N.D.	d	
58] Ethylbenzene	18.52	91	1303	0.022	ppbv	97
59] 1,1,2,2-Tetrachloroethane	19.13	83	987	0.021	ppbv	95
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	813	0.042	ppbv	93
66] o-Xylene	19.15	106	407	0.021	ppbv	90
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.	d	
70] Benzyl chloride	20.94	91	531	0.016	ppbv	97
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74] 1,4-Dichlorobenzene	21.04	146	474	0.017	ppbv	93
75] 1,2-Dichlorobenzene	21.41	146	526	0.017	ppbv	98
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77] Naphthalene	23.86	128	508	0.020	ppbv	98
78] Hexachlorobutadiene	24.42	225	616	0.020	ppbv	98

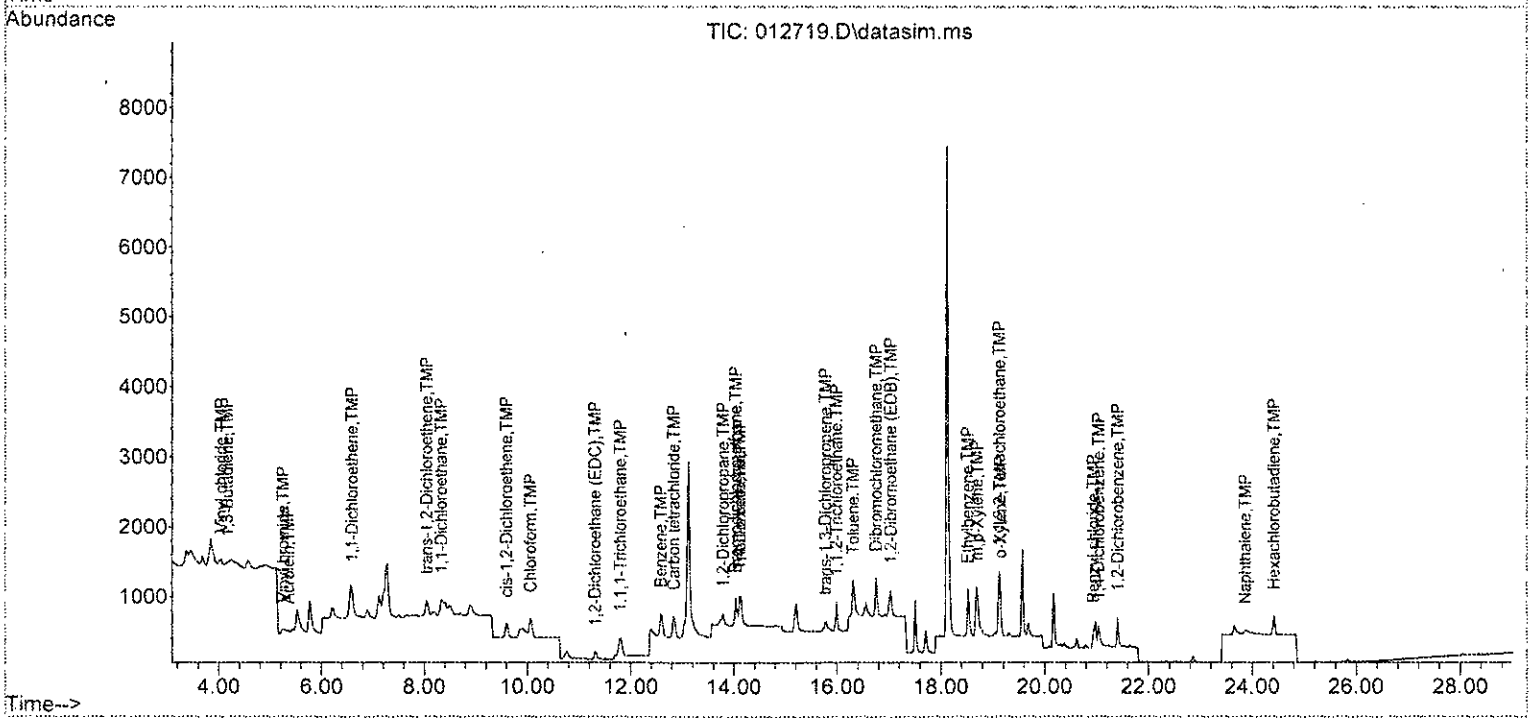
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15_68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	-1.000	0.000	0.0	0	-3.41#
3	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-3.48#
4	TMP	Chloromethane	-1.000	0.000	0.0	0	-3.69#
5	TMP	F-114	-1.000	0.000	0.0	0	-3.84#
6	TMP	Vinyl chloride	0.020	0.019	5.0	100	0.00
7	TMP	1,3-Butadiene	0.020	0.019	5.0	100	0.00
8	TMP	Butane	-1.000	0.000	0.0	0	-4.28#
9	TMP	Bromomethane	-1.000	0.000	0.0	0	-4.60#
10	TMP	Chloroethane	-1.000	0.000	0.0	0	-4.80#
11	TMP	Vinyl bromide	0.020	0.019	5.0	103	-0.02
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.92#
13	TMP	Acrolein	0.020	0.018	10.0	86	-0.02
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.22#
15	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-5.80#
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.53#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.76#
18	TMP	1,1-Dichloroethene	0.020	0.020	0.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.020	0.019	5.0	113	-0.03
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.78#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.54#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.91#
23	TMP	CFC-113	0.020	0.014	30.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.41#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.51#
27	TMP	1,1-Dichloroethane	0.020	0.020	0.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.020	0.021	-5.0	100	0.00
29	TMP	Hexane	-1.000	0.000	0.0	0	-9.99#
30	TMP	Chloroform	0.020	0.020	0.0	100	0.00
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.90#
32	TMP	Tetrahydrofuran	-1.000	0.000	0.0	0	-10.73#
33	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-8.88#
34	TMP	1,2-Dichloroethane (EDC)	0.020	0.019	5.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.020	0.021	-5.0	102	0.00
36	TMP	Carbon tetrachloride	0.020	0.020	0.0	100	0.00
37	TMP	Benzene	0.020	0.025	-25.0	97	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.05#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.020	0.019	5.0	101	0.00
41	TMP	1,4-Dioxane	0.020	0.020	0.0	103	0.05
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.20#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.52#
45	TMP	Bromodichloromethane	0.020	0.020	0.0	100	0.00
46	TMP	Trichloroethene	0.020	0.021	-5.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-15.18#
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.020	0.023	-15.0	95	0.00
50	TMP	Toluene	0.020	0.021	-5.0	102	0.00
51	TMP	1,1,2-Trichloroethane	0.020	0.020	0.0	95	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.55#
53	TMP	Tetrachloroethene	-1.000	0.000	0.0	0	-17.51#
54	TMP	Dibromochloromethane	0.020	0.020	0.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.020	0.021	-5.0	96	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-18.16#
58	TMP	Ethylbenzene	0.020	0.022	-10.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.020	0.021	-5.0	100	0.02
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-19.69#
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.16#
63	TMP	Propylbenzene	-1.000	0.000	0.0	0	-20.16#
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.31#
65	TMP	m,p-Xylene	0.040	0.042	-5.0	100	0.00
66	TMP	o-Xylene	0.020	0.021	-5.0	100	0.00
67	TMP	Styrene	-1.000	0.000	0.0	0	-19.04#
68	TMP	Bromoform	-1.000	0.000	0.0	0	-18.79#
69	S	4-Bromofluorobenzene	10.000	8.997	10.0	100	0.00
70	TMP	Benzyl chloride	0.020	0.016	20.0	100	0.01
71	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-20.38#
72	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-20.79#
73	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-20.97#
74	TMP	1,4-Dichlorobenzene	0.020	0.017	15.0	100	0.01
75	TMP	1,2-Dichlorobenzene	0.020	0.017	15.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-23.64#
77	TMP	Naphthalene	0.020	0.020	0.0	100	0.02
78	TMP	Hexachlorobutadiene	0.020	0.020	0.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response_via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	0.000	100.0#	0#	-3.41#
3	TMP	Dichlorodifluoromethane	4.081	0.000#	100.0#	0#	-3.48#
4	TMP	Chloromethane	1.676	0.000#	100.0#	0#	-3.69#
5	TMP	F-114	4.169	0.000	100.0#	0#	-3.84#
6	TMP	Vinyl chloride	1.712	1.640	4.2	100	0.00
7	TMP	1,3-Butadiene	1.078	1.011	6.2	100	0.00
8	TMP	Butane	2.051	0.000	100.0#	0#	-4.28#
9	TMP	Bromomethane	1.696	0.000#	100.0#	0#	-4.60#
10	TMP	Chloroethane	0.634	0.000#	100.0#	0#	-4.80#
11	TMP	Vinyl bromide	1.588	1.532	3.5	103	-0.02
12	TMP	Ethanol	0.538	0.000	100.0#	0#	-4.92#
13	TMP	Acrolein	0.525	0.461	12.2	86	-0.02
14	TMP	Pentane	2.340	0.000#	100.0#	0#	-6.22#
15	TMP	Trichlorofluoromethane	4.468	0.000#	100.0#	0#	-5.80#
16	TMP	Acetone	0.731	0.000#	100.0#	0#	-5.53#
17	TMP	2-Propanol	2.824	0.000	100.0#	0#	-5.76#
18	TMP	1,1-Dichloroethene	1.523	1.538	-1.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.424	5.0	113	-0.03
20	TMP	Methylene chloride	1.441	0.000#	100.0#	0#	-6.78#
21	TMP	t-Butyl alcohol (TBA)	2.364	0.000	100.0#	0#	-6.54#
22	TMP	3-Chloropropene	1.917	0.000	100.0#	0#	-6.91#
23	TMP	CFC-113	3.382	2.358	30.3#	100	0.00
24	TMP	Carbon disulfide	4.899	0.000	100.0#	0#	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	3.174	0.000#	100.0#	0#	-8.41#
26	TMP	Vinyl acetate	3.532	0.000#	100.0#	0#	-8.51#
27	TMP	1,1-Dichloroethane	3.205	3.256	-1.6	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.724	-6.0	100	0.00
29	TMP	Hexane	2.044	0.000	100.0#	0#	-9.99#
30	TMP	Chloroform	3.767	3.800	-0.9	100	0.00
31	TMP	Ethyl acetate	3.512	0.000	100.0#	0#	-9.90#
32	TMP	Tetrahydrofuran	1.858	0.000	100.0#	0#	-10.73#
33	TMP	2-Butanone (MEK)	0.538	0.000	100.0#	0#	-8.88#
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.286	3.3	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.250	-3.1	102	0.00
36	TMP	Carbon tetrachloride	3.318	3.346	-0.8	100	0.00
37	TMP	Benzene	5.322	6.775	-27.3	97	0.00
38	TMP	Cyclohexane	1.294	0.000	100.0#	0#	-13.05#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.538	3.1	101	0.00
41	TMP	1,4-Dioxane	0.232	0.227	2.2	103	0.05
42	TMP	2,2,4-Trimethylpentane	1.623	0.000	100.0#	0#	-14.20#
43	TMP	Methyl methacrylate	0.452	0.000	100.0#	0#	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012719.D
Acq On : 28 Jan 2023 5:27 am
Operator : bat
Sample : 0.02 ppbv TO15 68-108-e
Misc : T3
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:06:38 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

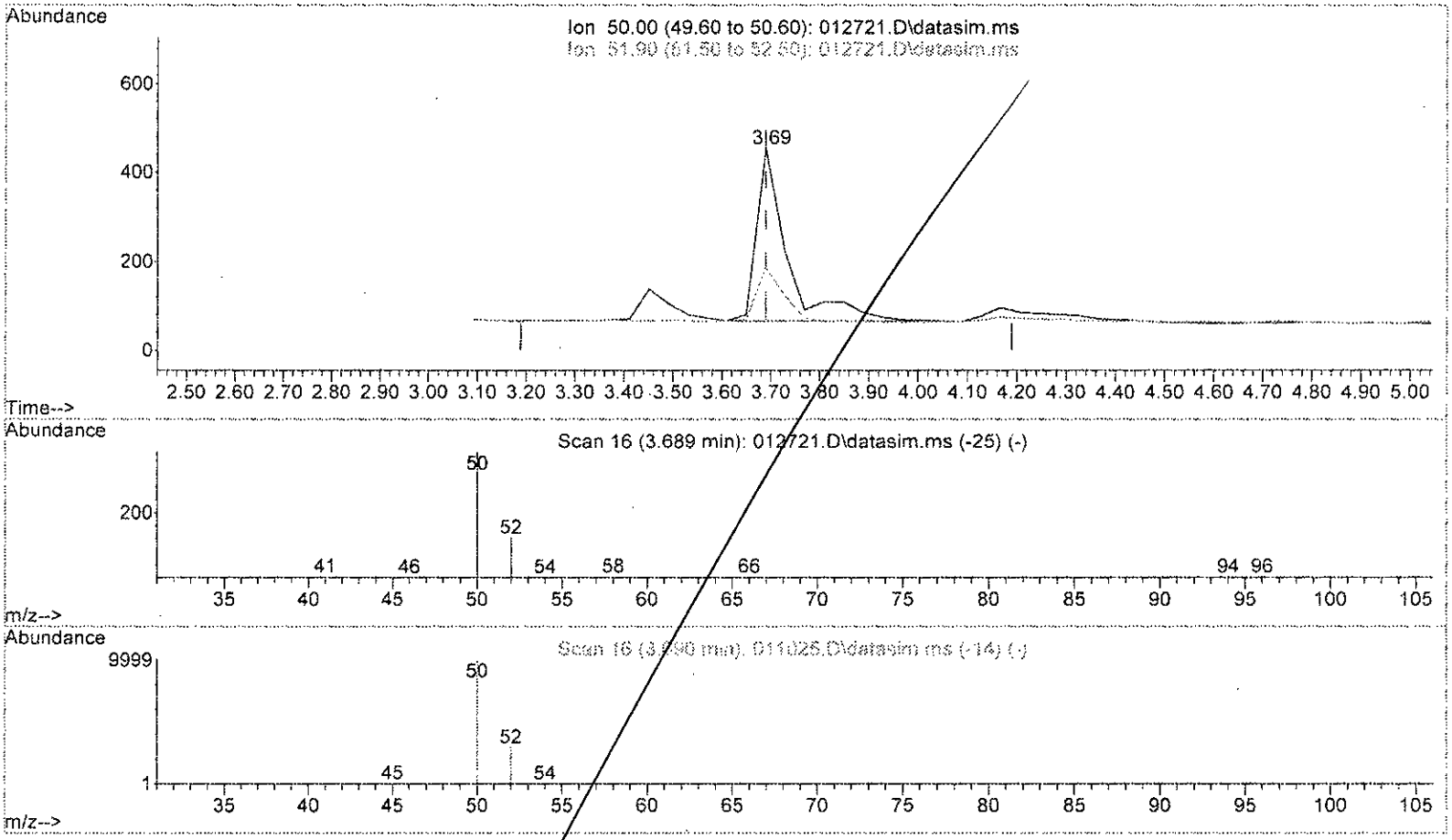
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.000	100.0#	0#	-14.52#
45	TMP	Bromodichloromethane	0.905	0.910	-0.6	100	0.00
46	TMP	Trichloroethene	0.579	0.606	-4.7	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.000	100.0#	0#	-15.18#
48	TMP	4-Methyl-2-pentanone	0.043	0.000	100.0#	0#	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.592	0.691	-16.7	95	0.00
50	TMP	Toluene	0.734	0.789	-7.5	102	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.555	-2.2	95	0.00
52	TMP	2-Hexanone	0.755	0.000#	100.0#	0#	-16.55#
53	TMP	Tetrachloroethene	0.473	0.000#	100.0#	0#	-17.51#
54	TMP	Dibromochloromethane	0.912	0.926	-1.5	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.850	-3.3	96	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	0.000#	100.0#	0#	-18.16#
58	TMP	Ethylbenzene	1.957	2.169	-10.8	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.643	-6.3	100	0.02
60	TMP	Nonane	1.017	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.868	0.000	100.0#	0#	-19.69#
62	TMP	2-Chlorotoluene	0.464	0.000	100.0#	0#	-20.16#
63	TMP	Propylbenzene	3.426	0.000	100.0#	0#	-20.16#
64	TMP	4-Ethyltoluene	1.627	0.000	100.0#	0#	-20.31#
65	TMP	m,p-Xylene	0.641	0.677	-5.6	100	0.00
66	TMP	o-Xylene	0.636	0.677	-6.4	100	0.00
67	TMP	Styrene	0.840	0.000#	100.0#	0#	-19.04#
68	TMP	Bromoform	1.062	0.000#	100.0#	0#	-18.79#
69	S	4-Bromofluorobenzene	0.665	0.598	10.1	100	0.00
70	TMP	Benzyl chloride	1.083	0.884	18.4	100	0.01
71	TMP	1,3,5-Trimethylbenzene	1.539	0.000	100.0#	0#	-20.38#
72	TMP	1,2,4-Trimethylbenzene	1.333	0.000	100.0#	0#	-20.79#
73	TMP	1,3-Dichlorobenzene	1.018	0.000	100.0#	0#	-20.97#
74	TMP	1,4-Dichlorobenzene	0.931	0.789	15.3	100	0.01
75	TMP	1,2-Dichlorobenzene	1.040	0.875	15.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.000	100.0#	0#	-23.64#
77	TMP	Naphthalene	0.967	0.846	12.5	100	0.02
78	TMP	Hexachlorobutadiene	1.025	1.025	0.0	100	0.00

(#) = Out of Range SPCC's out = 15 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(4) Chloromethane (TMP)

3.689min (-0.001) 0.124 ppbv

response 1667

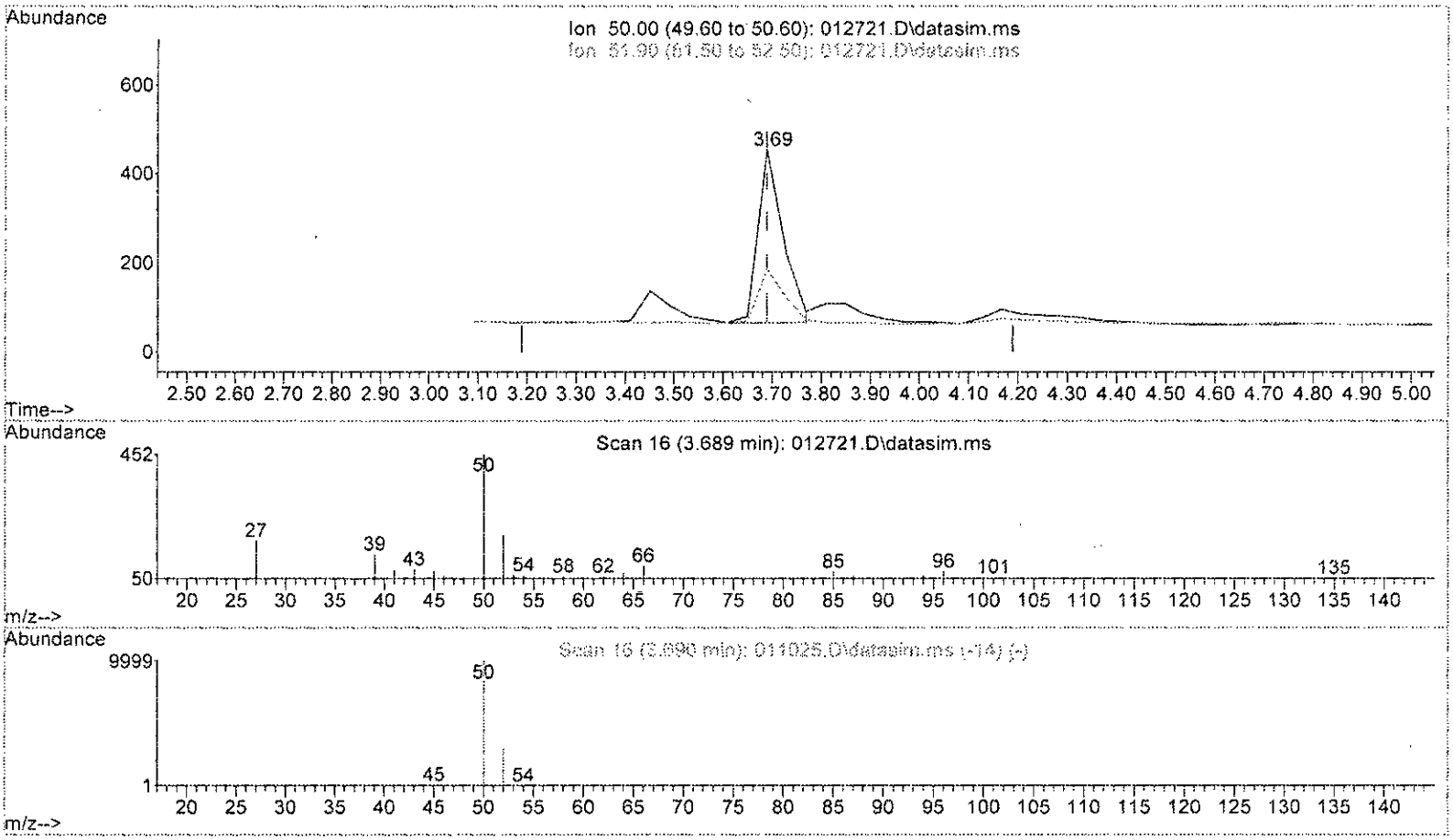
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.52
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(4) Chloromethane (TMP)

3.689min (-0.001) 0.103 ppbv m

response 1385

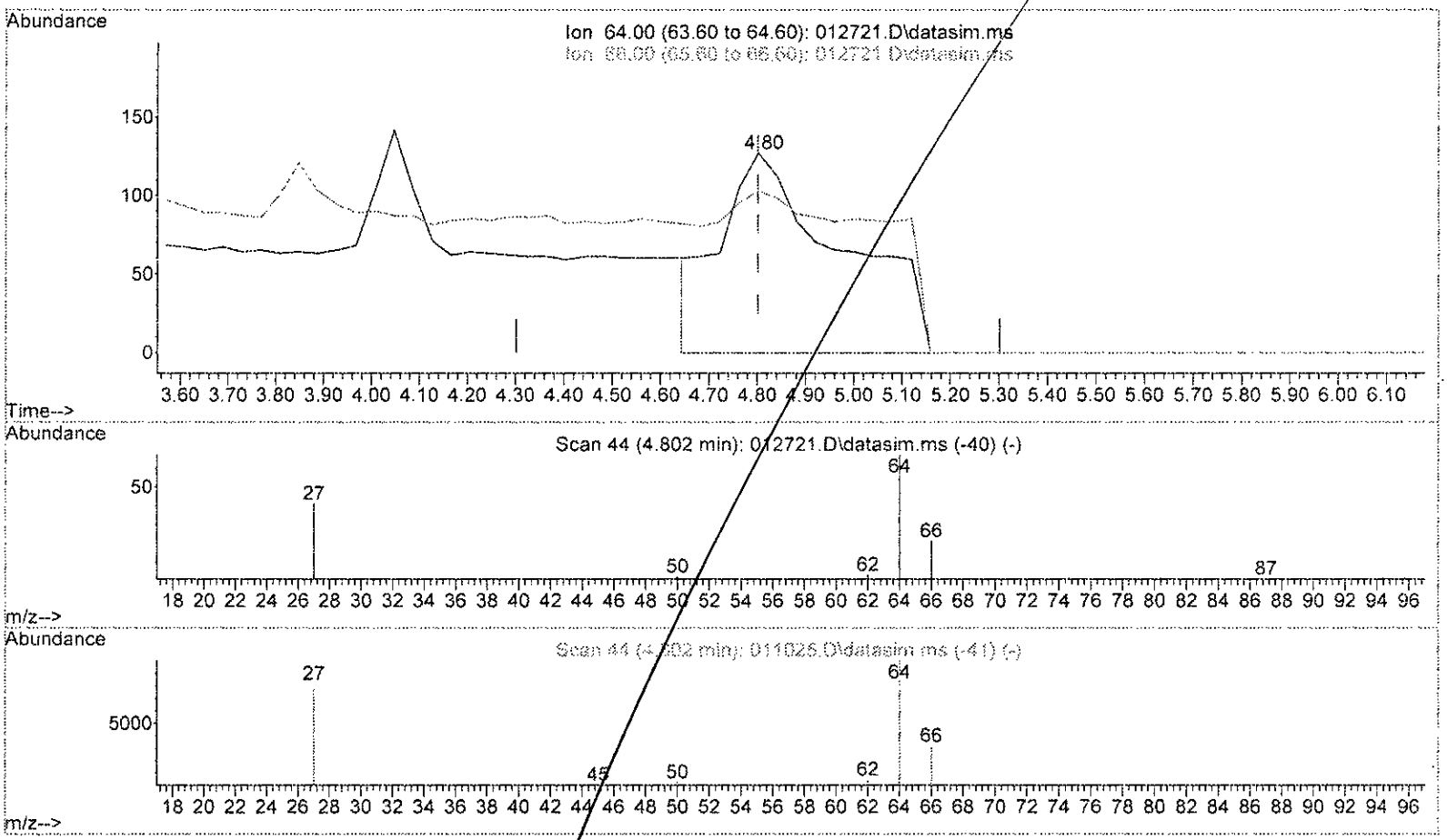
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	41.28
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.421 ppbv

response 2139

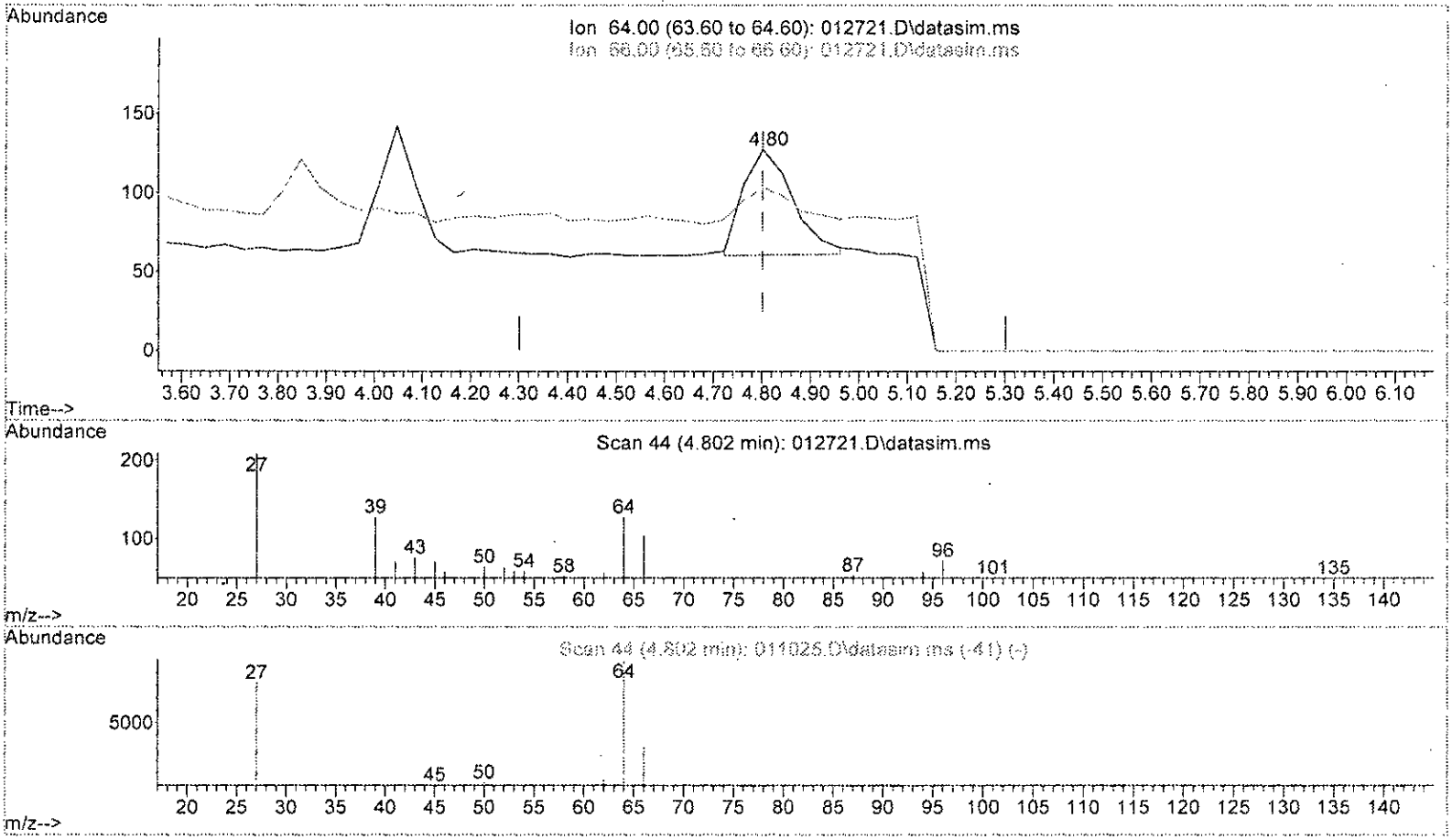
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	81.10#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : TS
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.093 ppbv m

response 474

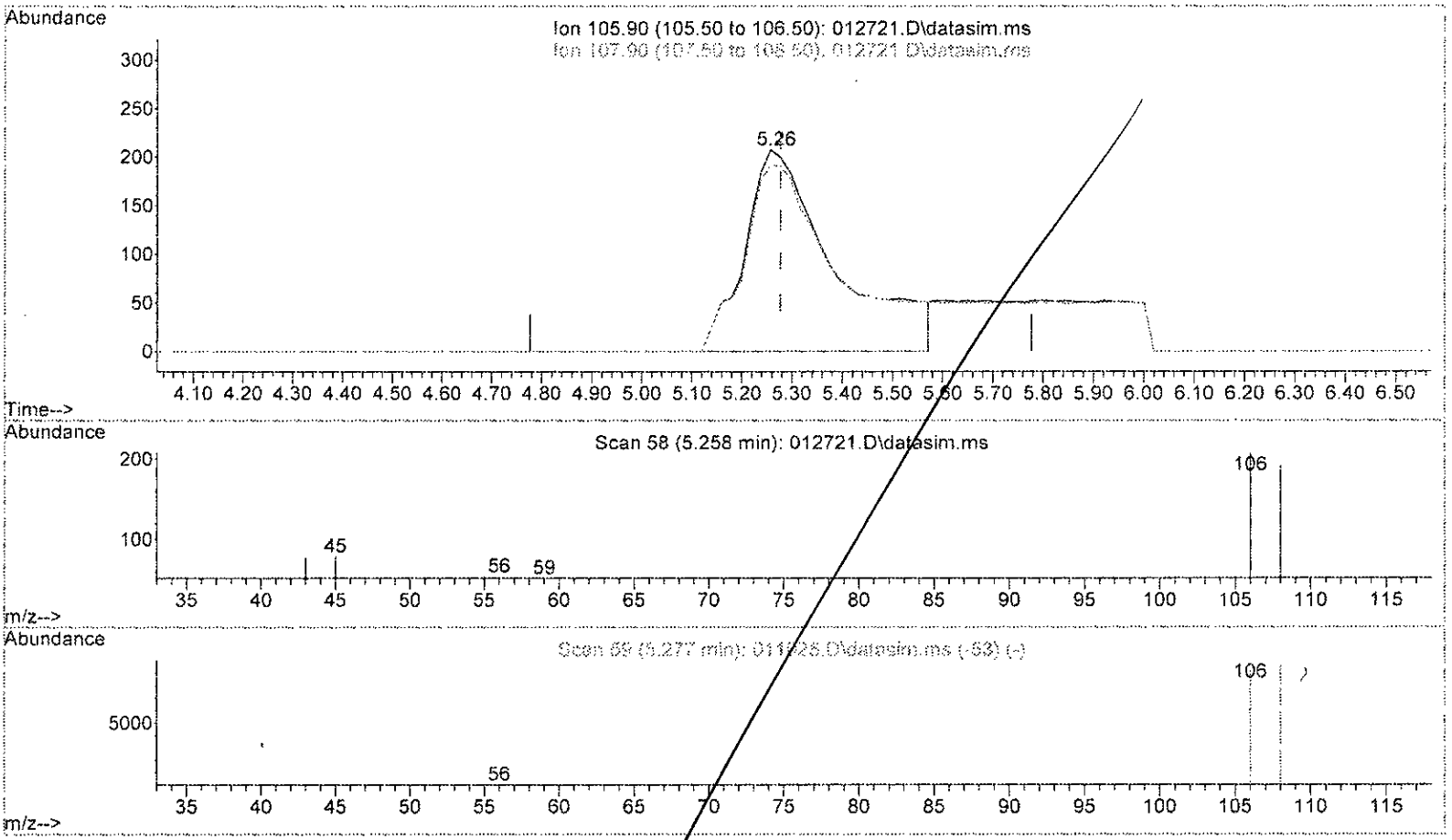
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	81.10#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 0.217 ppbv

response 2757

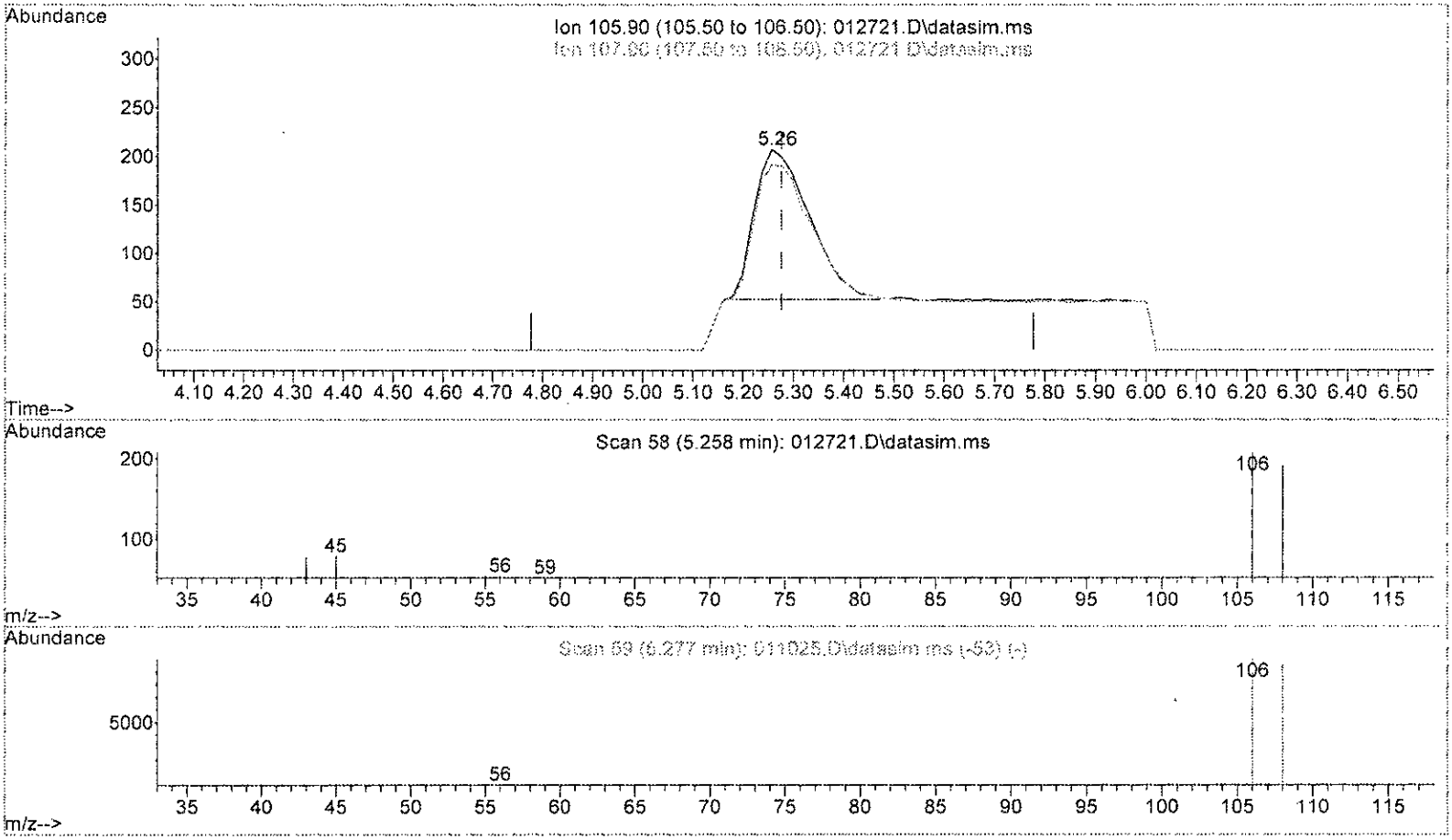
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	108.52
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 0.093 ppbv m

response 1183

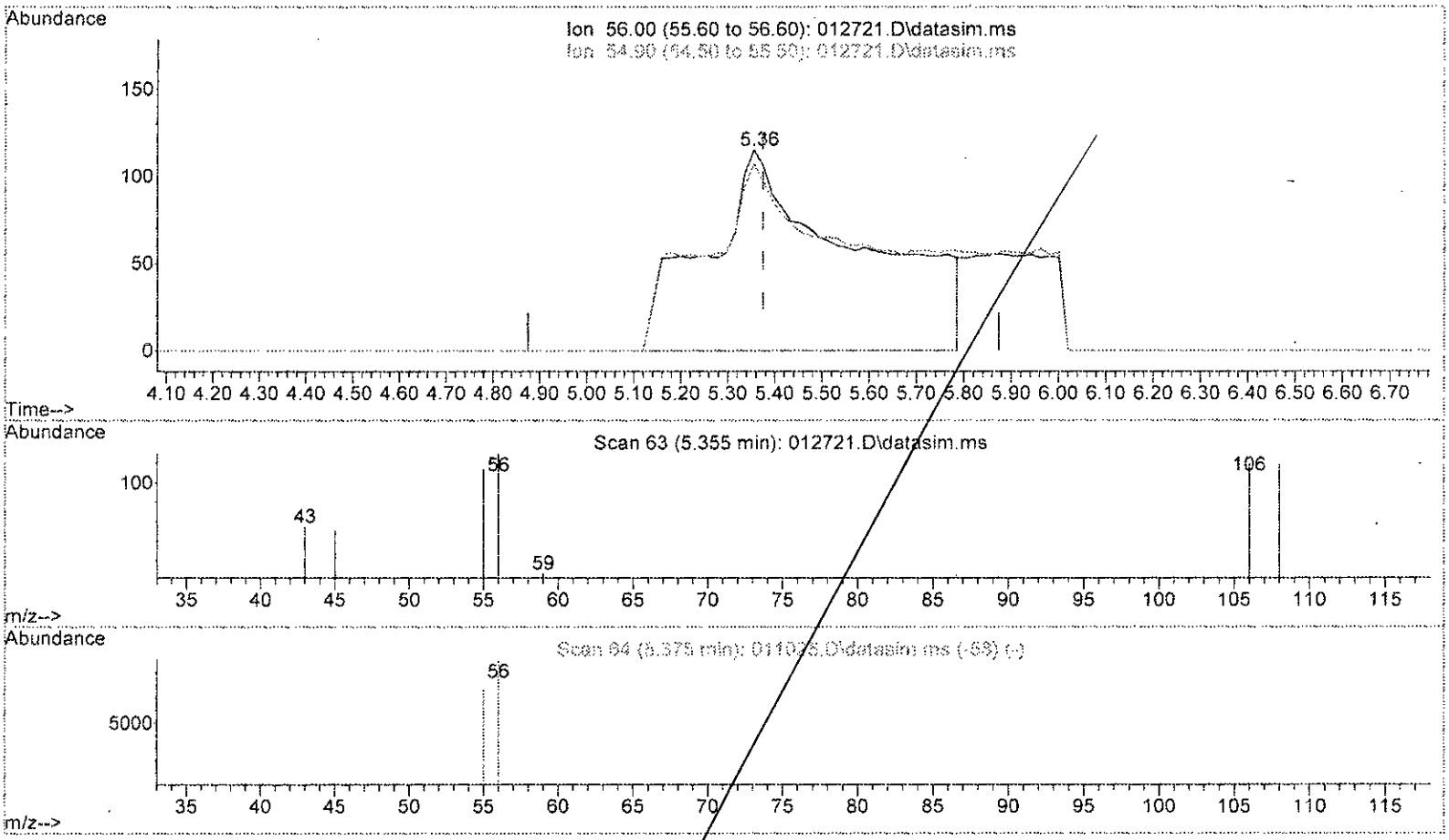
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	252.92#
0.00	0.00	0.00
0.00	0.00	0.00

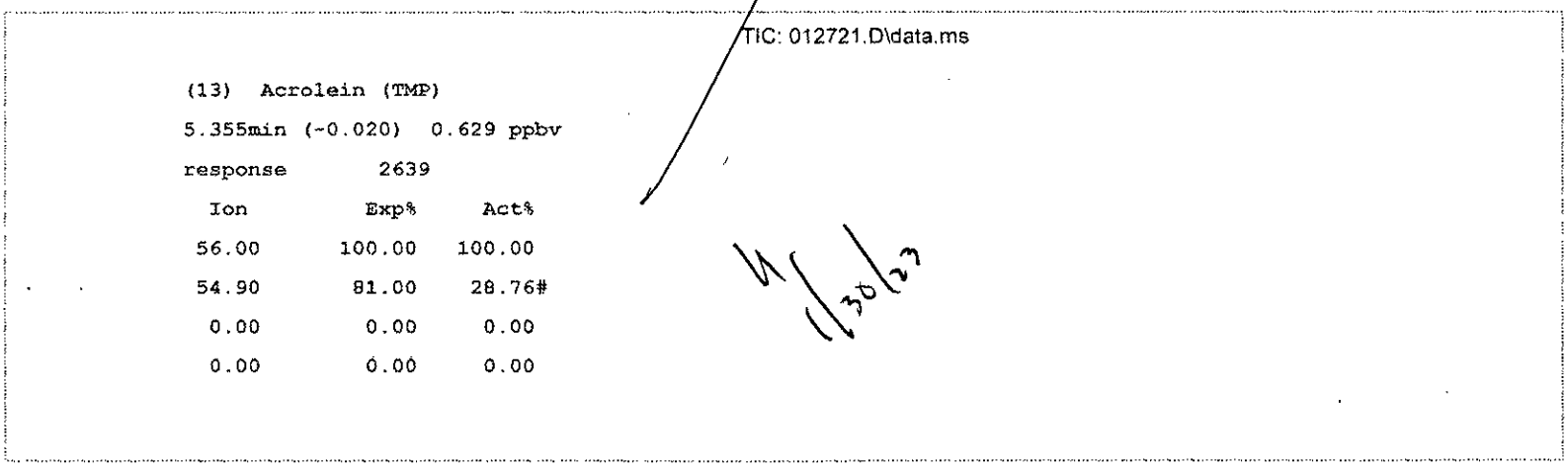
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.355min (-0.020) 0.629 ppbv

response 2639

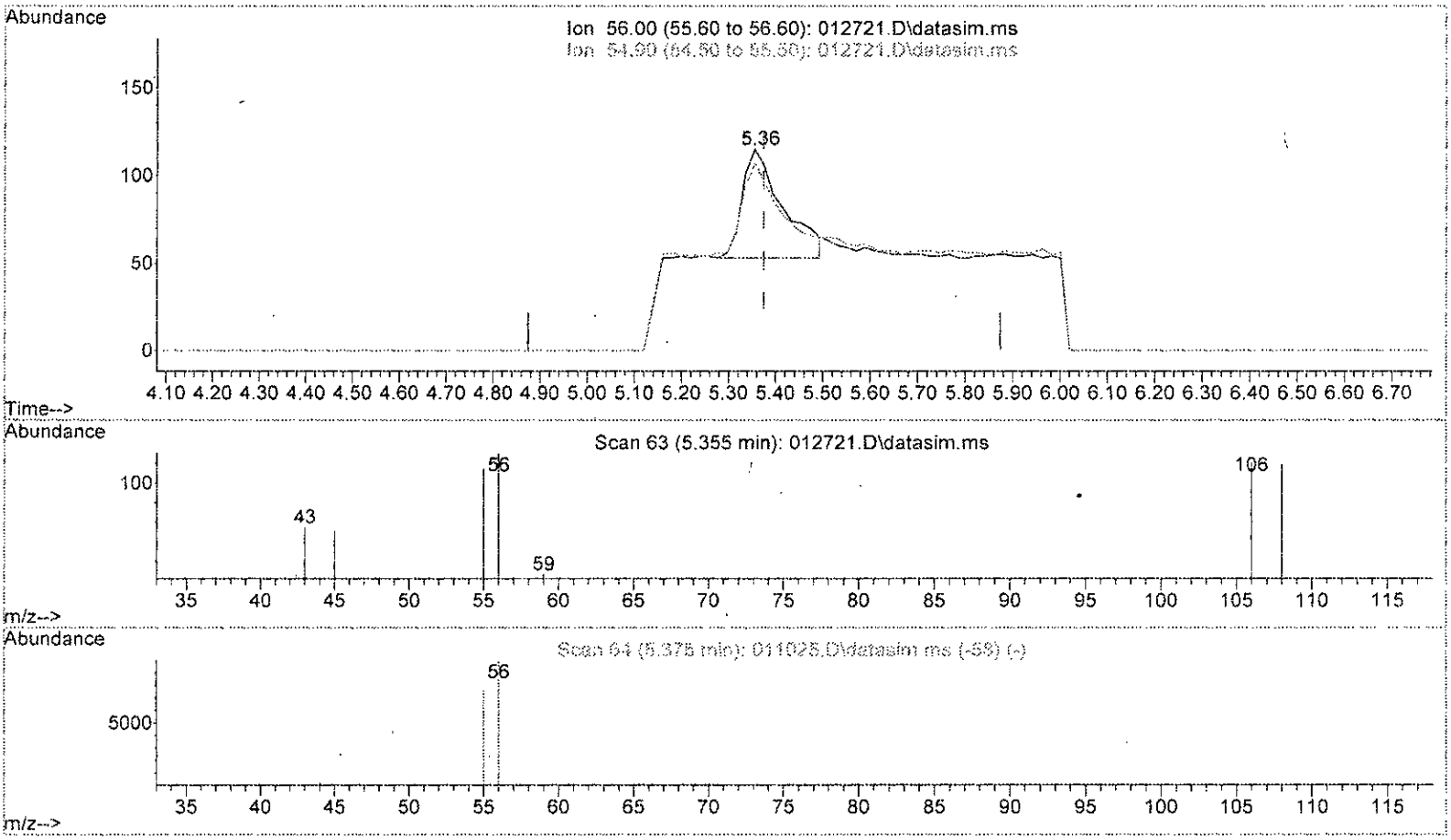
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	28.76#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 0.088 ppbv m

response 371

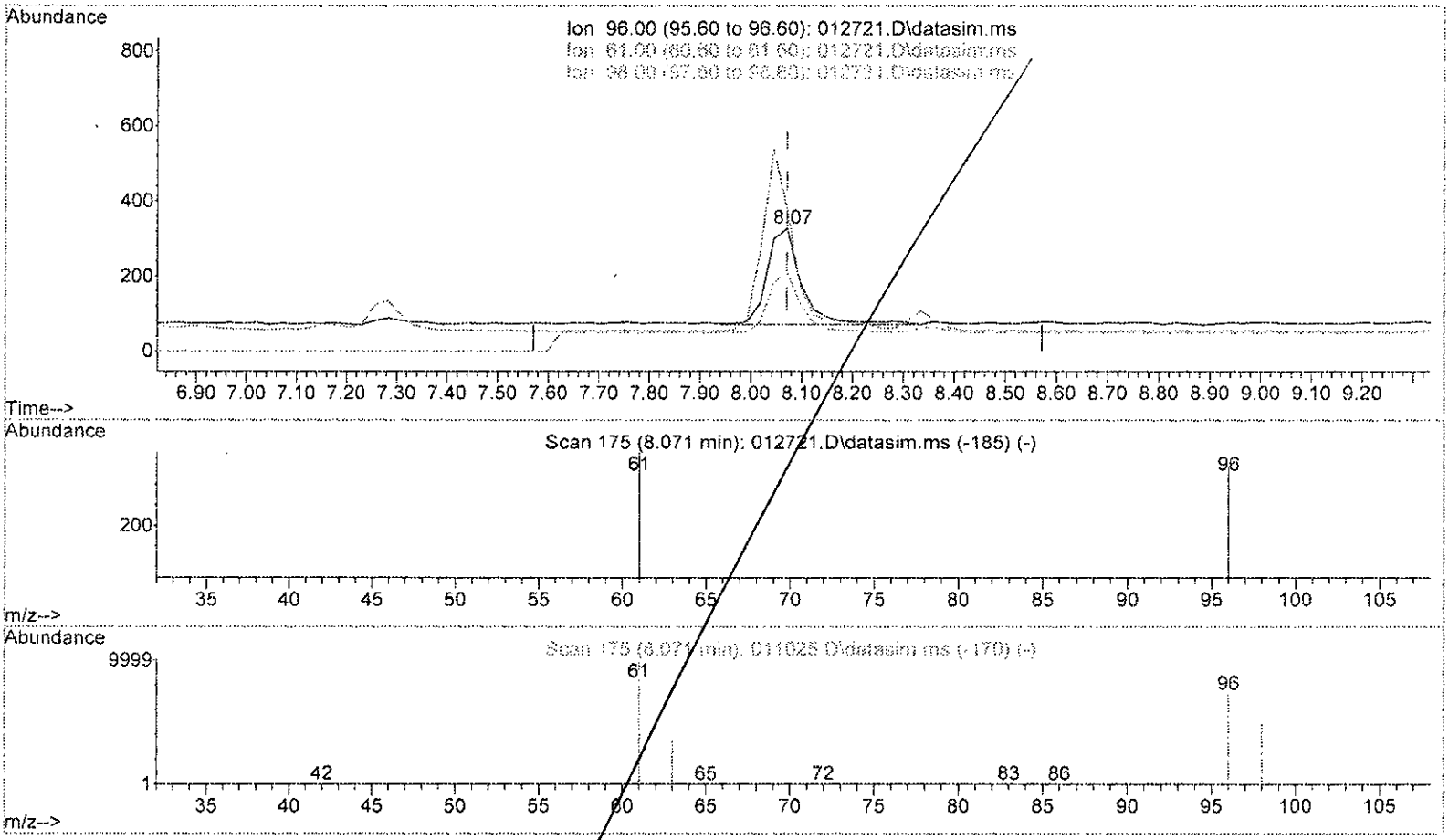
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	204.58#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.071min (-0.001) 0.099 ppbv

response 1192

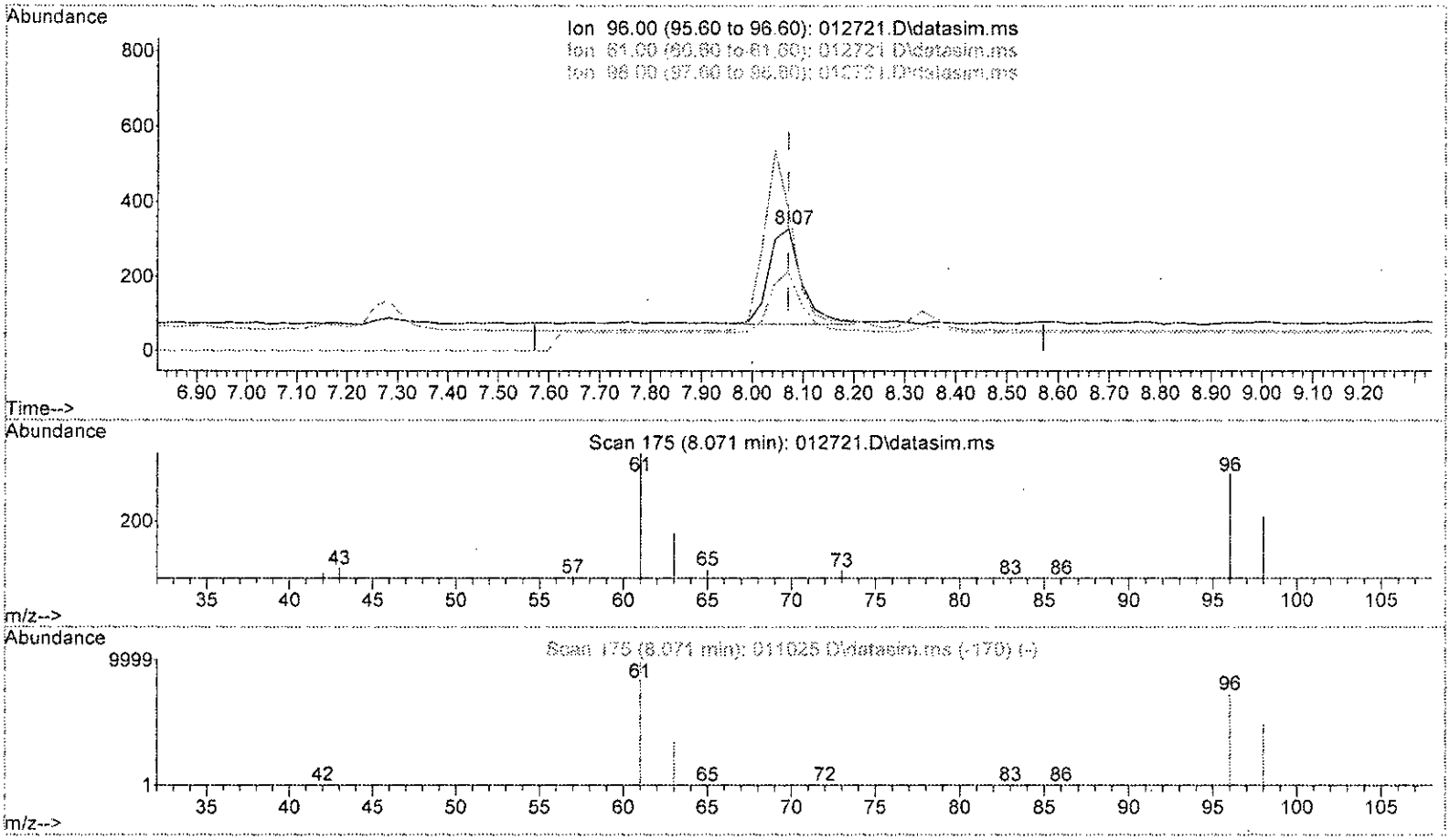
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	126.95#
98.00	64.20	63.28
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(19) trans-1,2-Dichloroethene (TMP)

8.071min (-0.001) 0.096 ppbv m

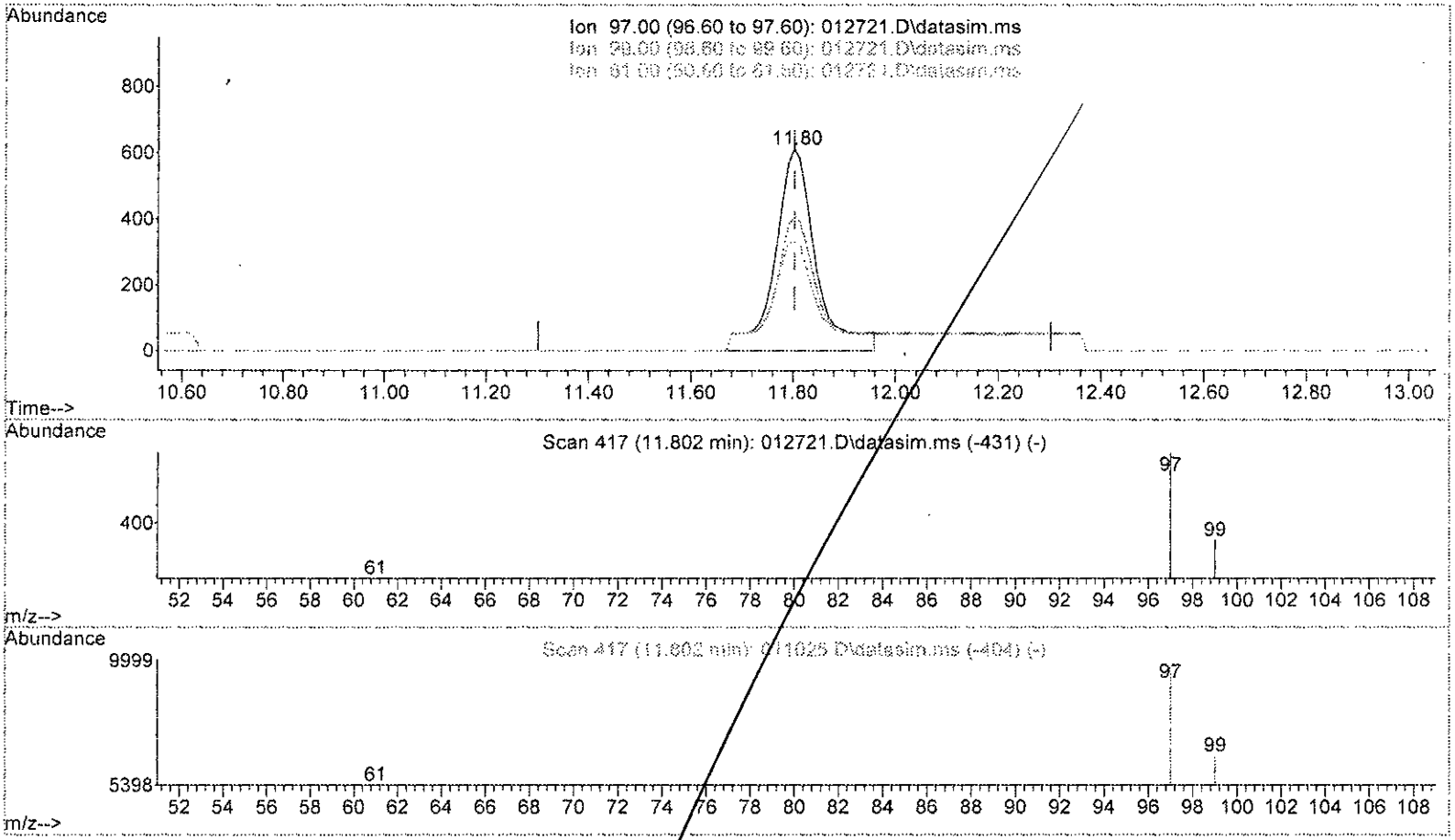
response 1150

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	177.90	115.55#
98.00	64.20	64.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.802min (-0.001) 0.133 ppbv

response 3354

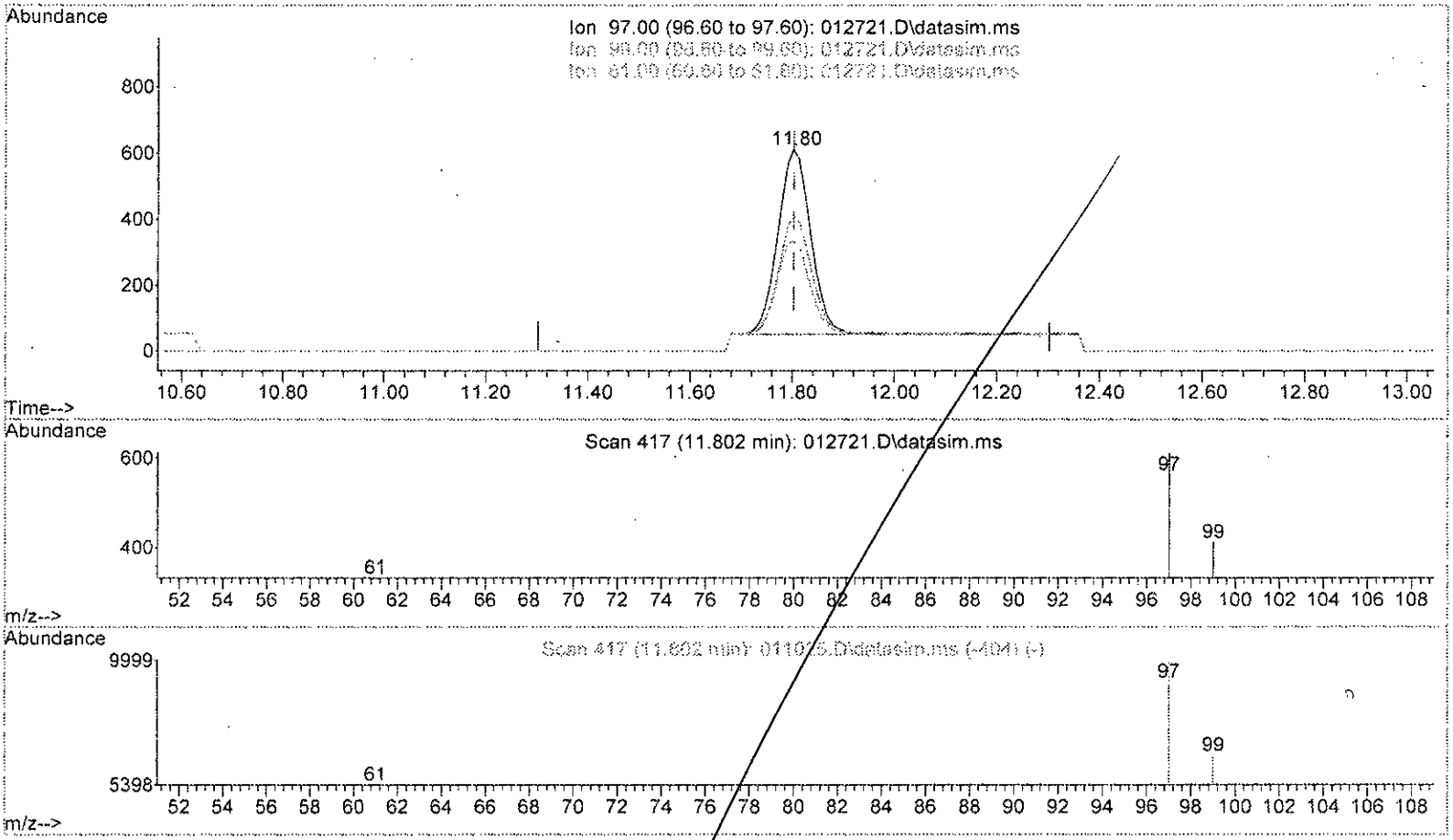
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	67.27
61.00	49.30	54.34
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

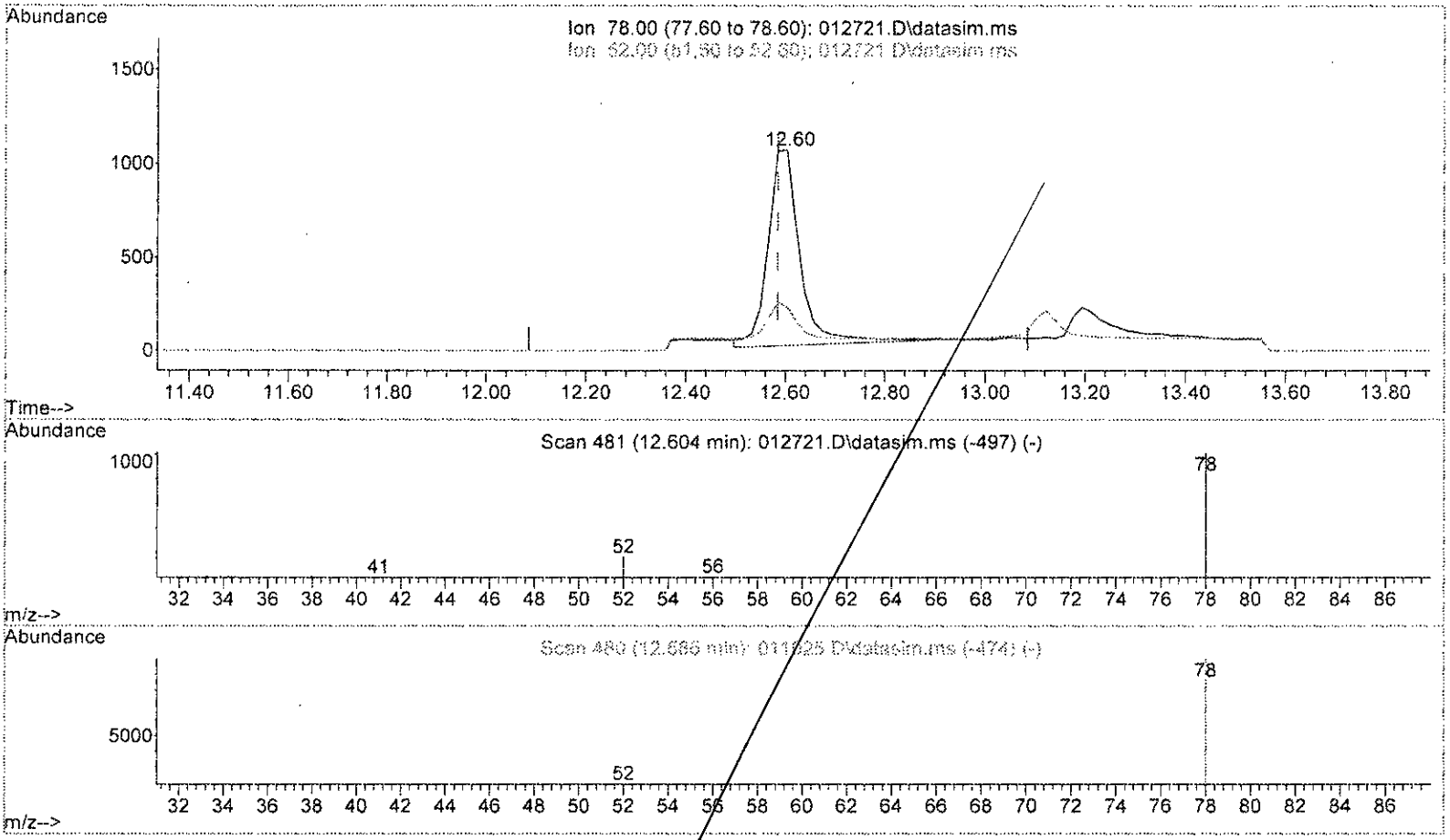
(35) 1,1,1-Trichloroethane (TMP)
11.802min (-0.001) 0.099 ppbv m
response 2493

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	67.27
61.00	49.30	54.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(37) Benzene (TMP)

12.604min (+ 0.018) 0.110 ppbv

response 4707

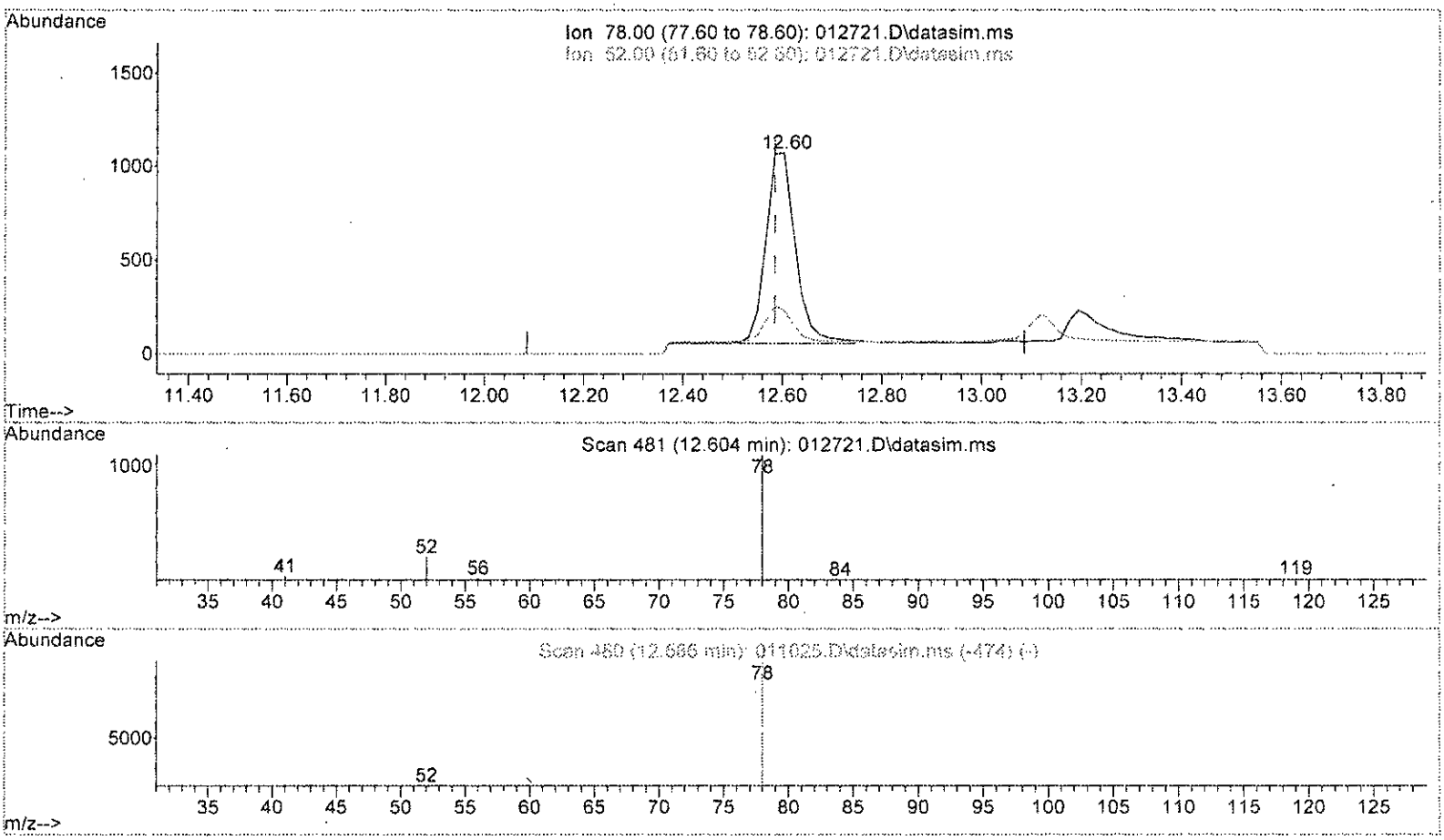
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	16.47
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(37) Benzene (TMP)

12.604min (+ 0.018) 0.098 ppbv m

response 4189

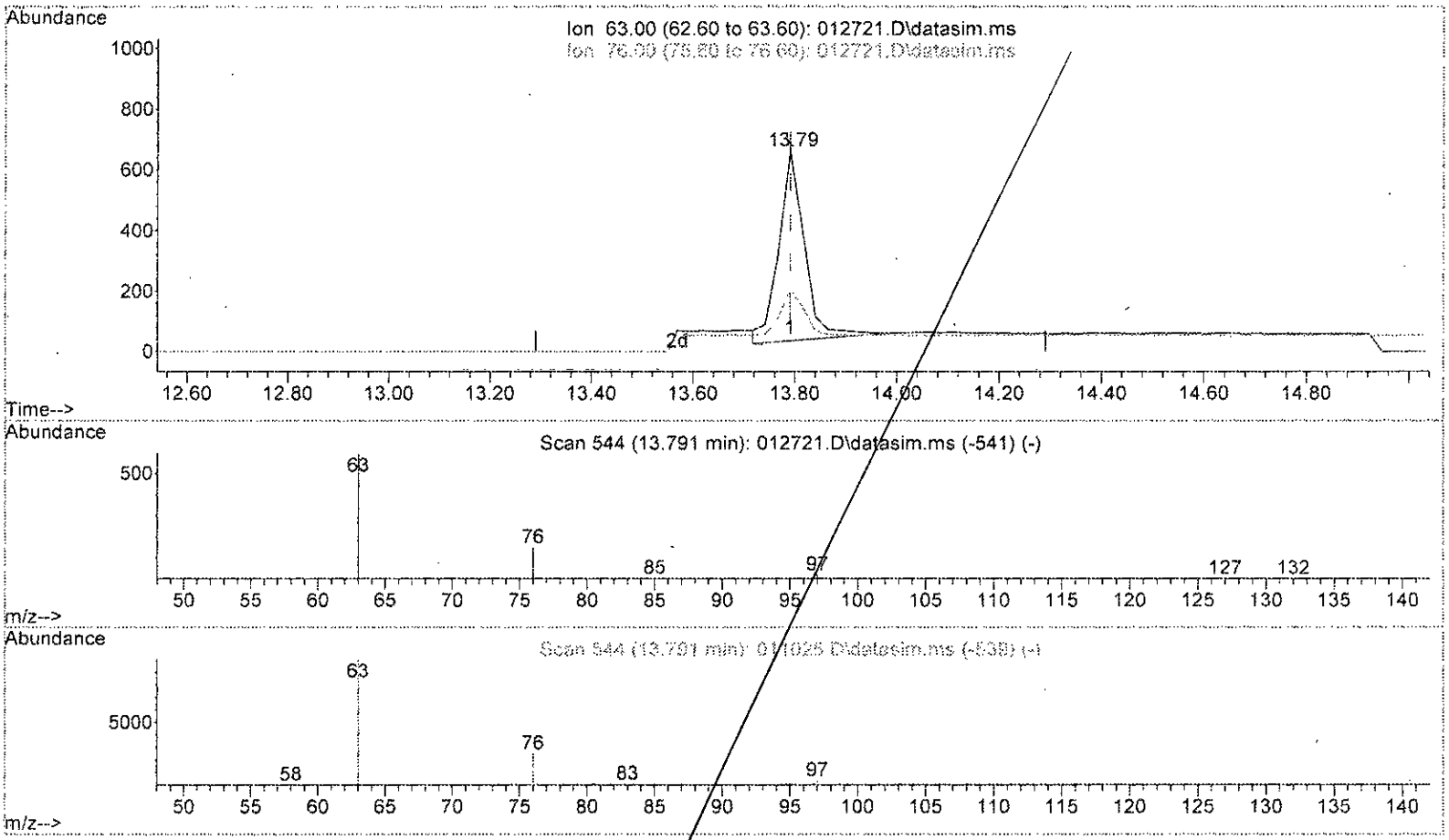
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	21.78
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(40) 1,2-Dichloropropane (TMP)
13.791min (-0.000) 0.112 ppbv
response 2194

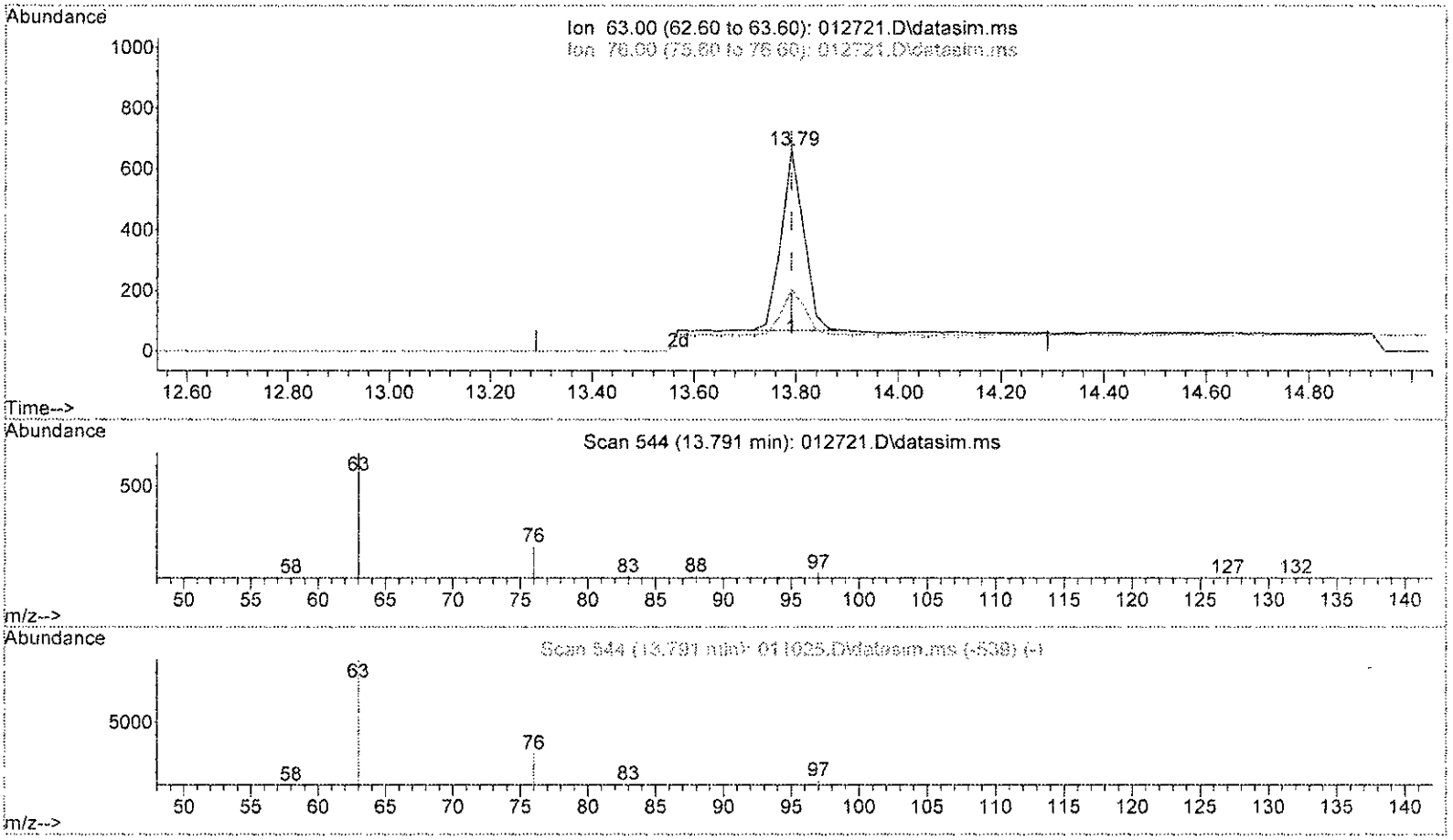
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	24.96
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (-0.000) 0.093 ppbv m

response 1832

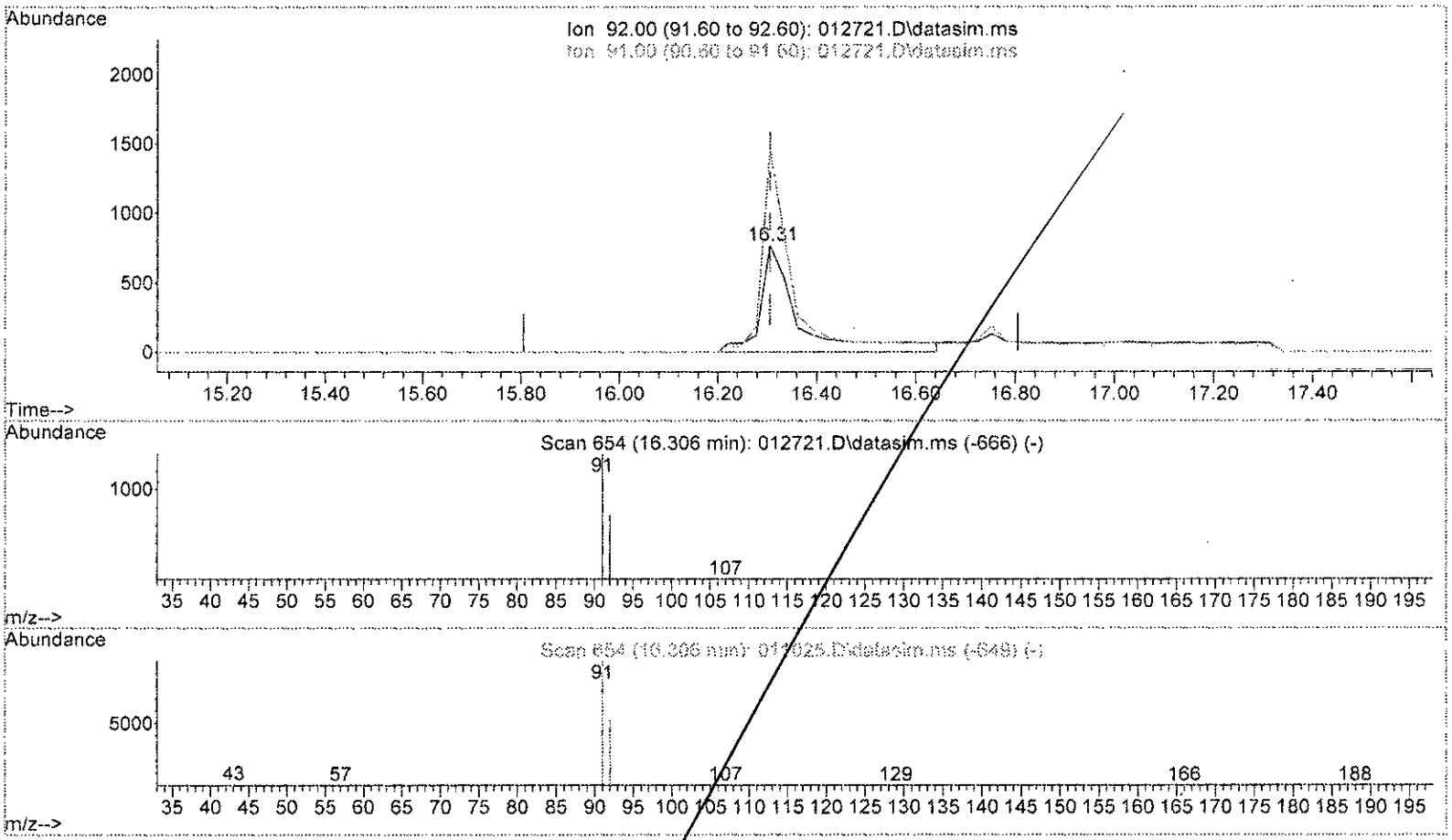
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	30.77
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(50) Toluene (TMP)
16.306min (+ 0.000) 0.156 ppbv
response 4060

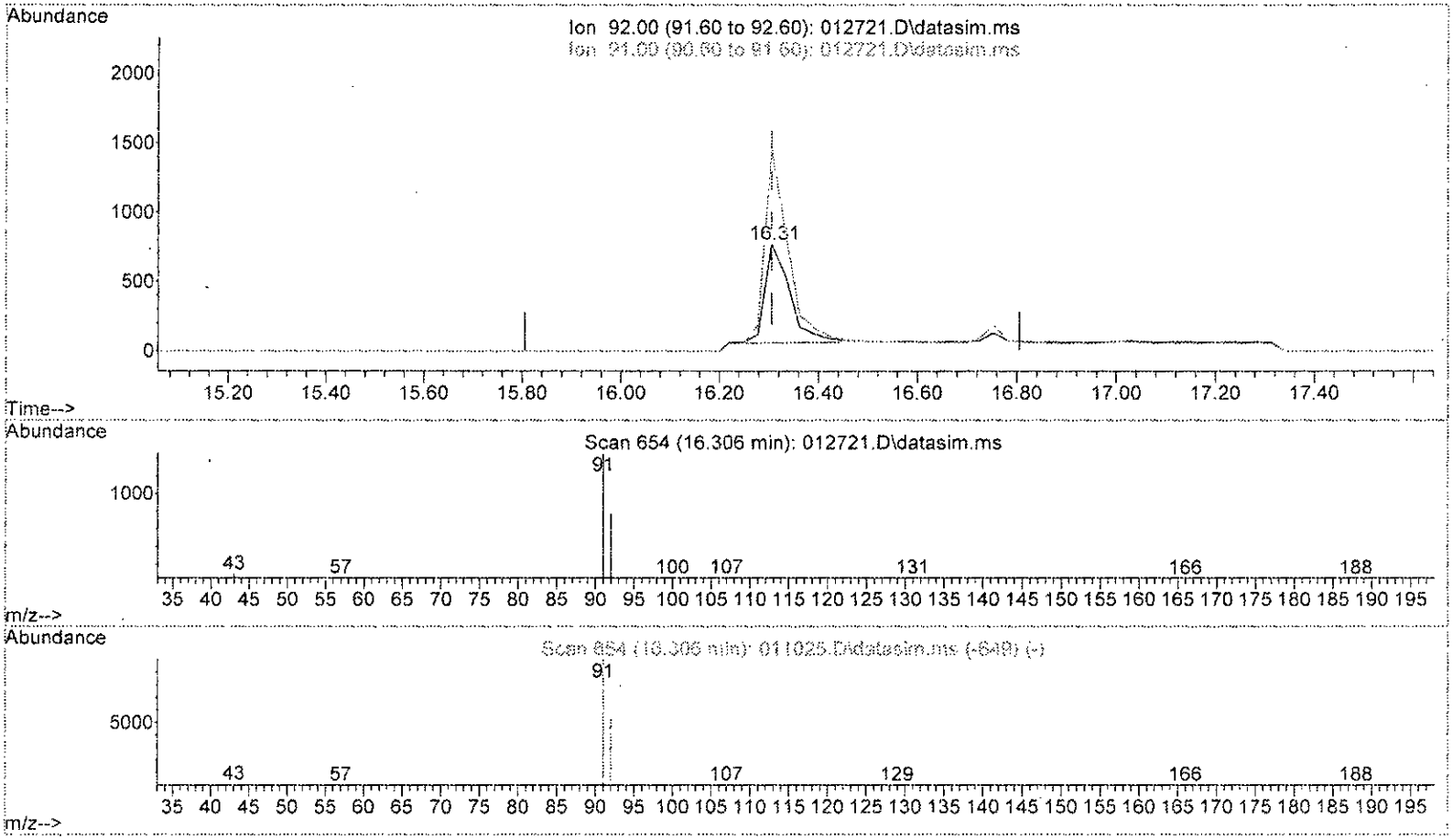
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	188.93
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(50) Toluene (TMP)

16.306min (+ 0.000) 0.096 ppbv m

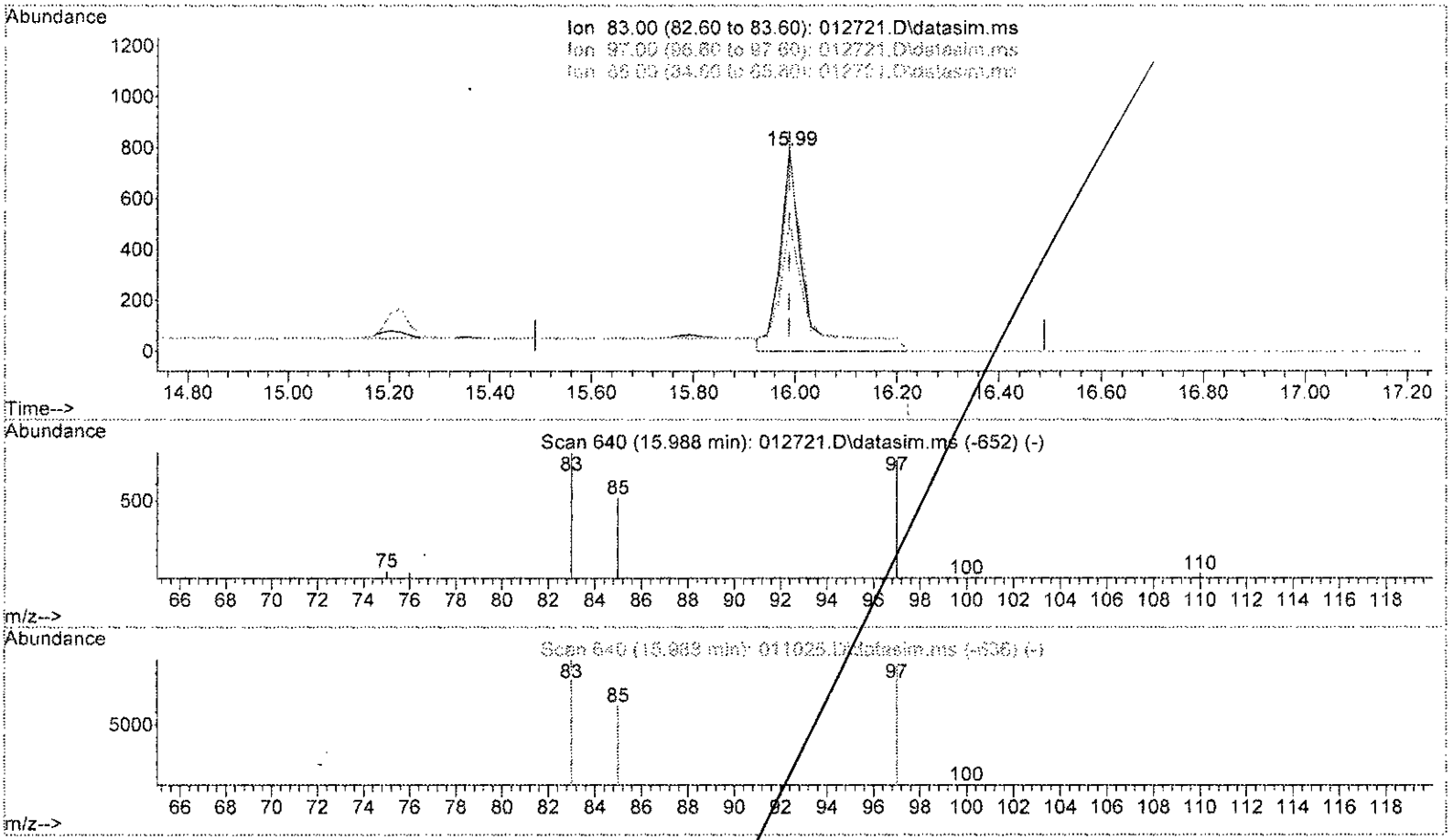
response 2484

Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	188.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.140 ppbv

response 2698

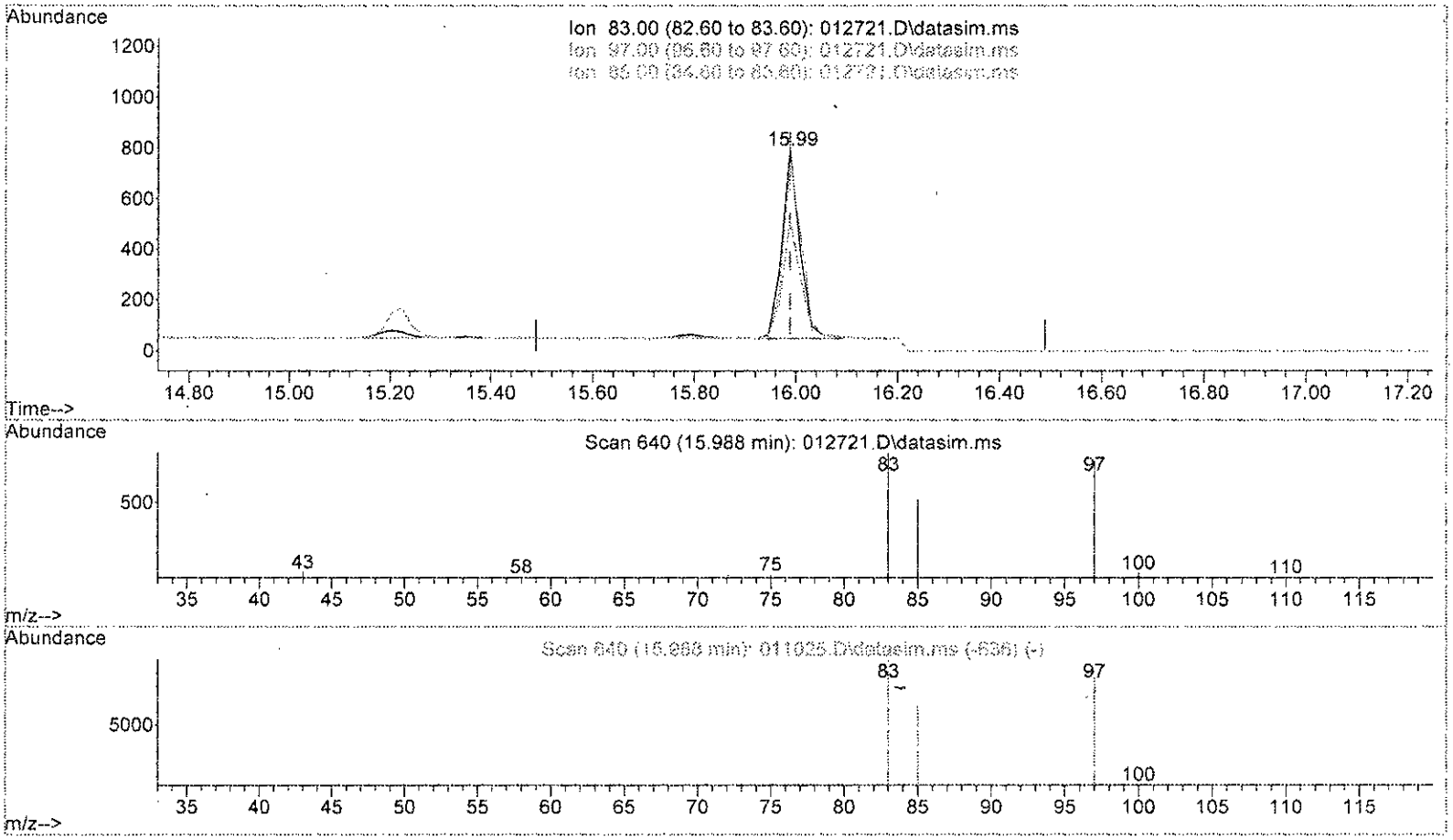
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	94.19
85.00	60.50	64.90
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.094 ppbv m

response 1814

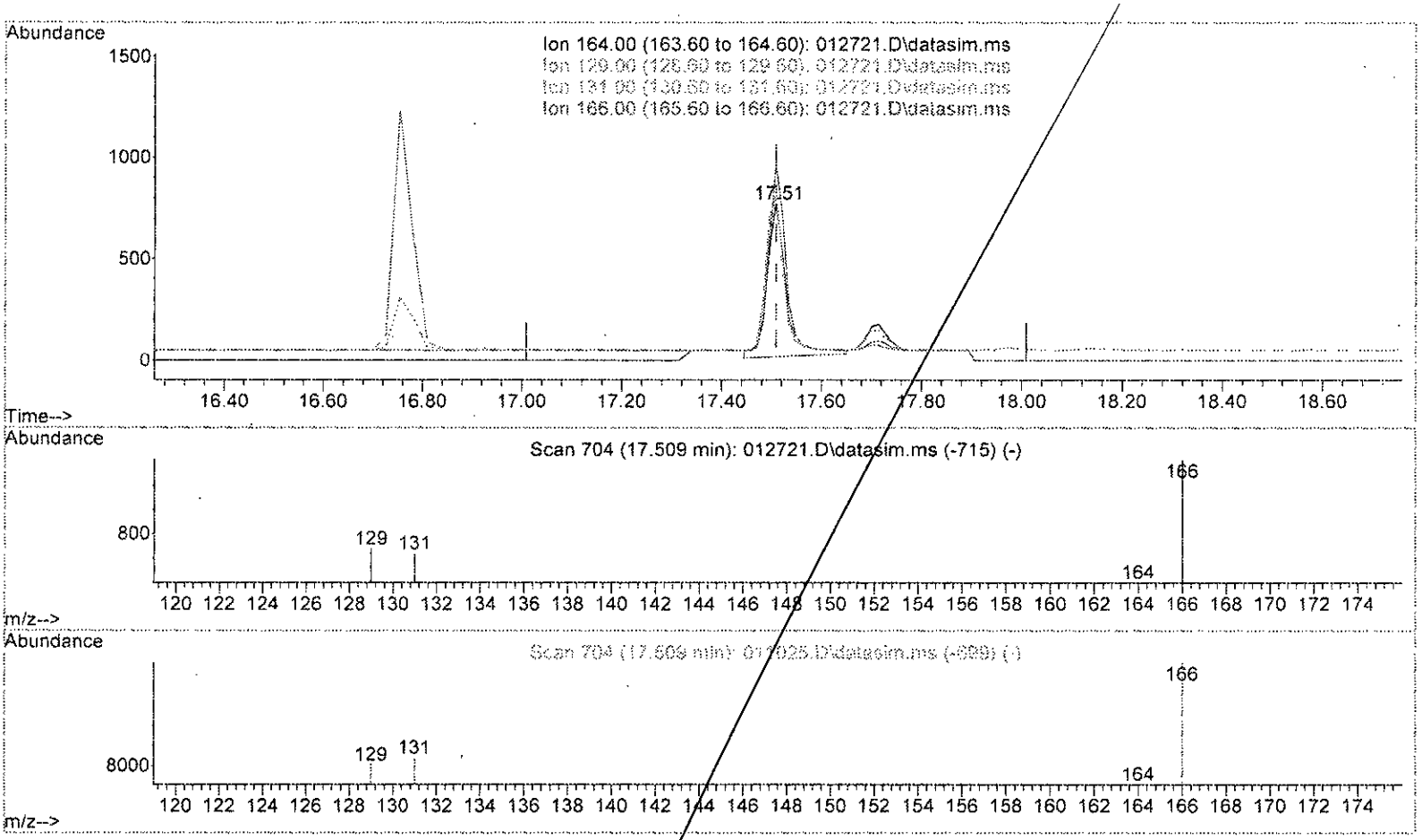
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	94.19
85.00	60.50	64.90
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(53) Tetrachloroethene (TMP)
17.509min (-0.000) 0.118 ppbv
response 1978

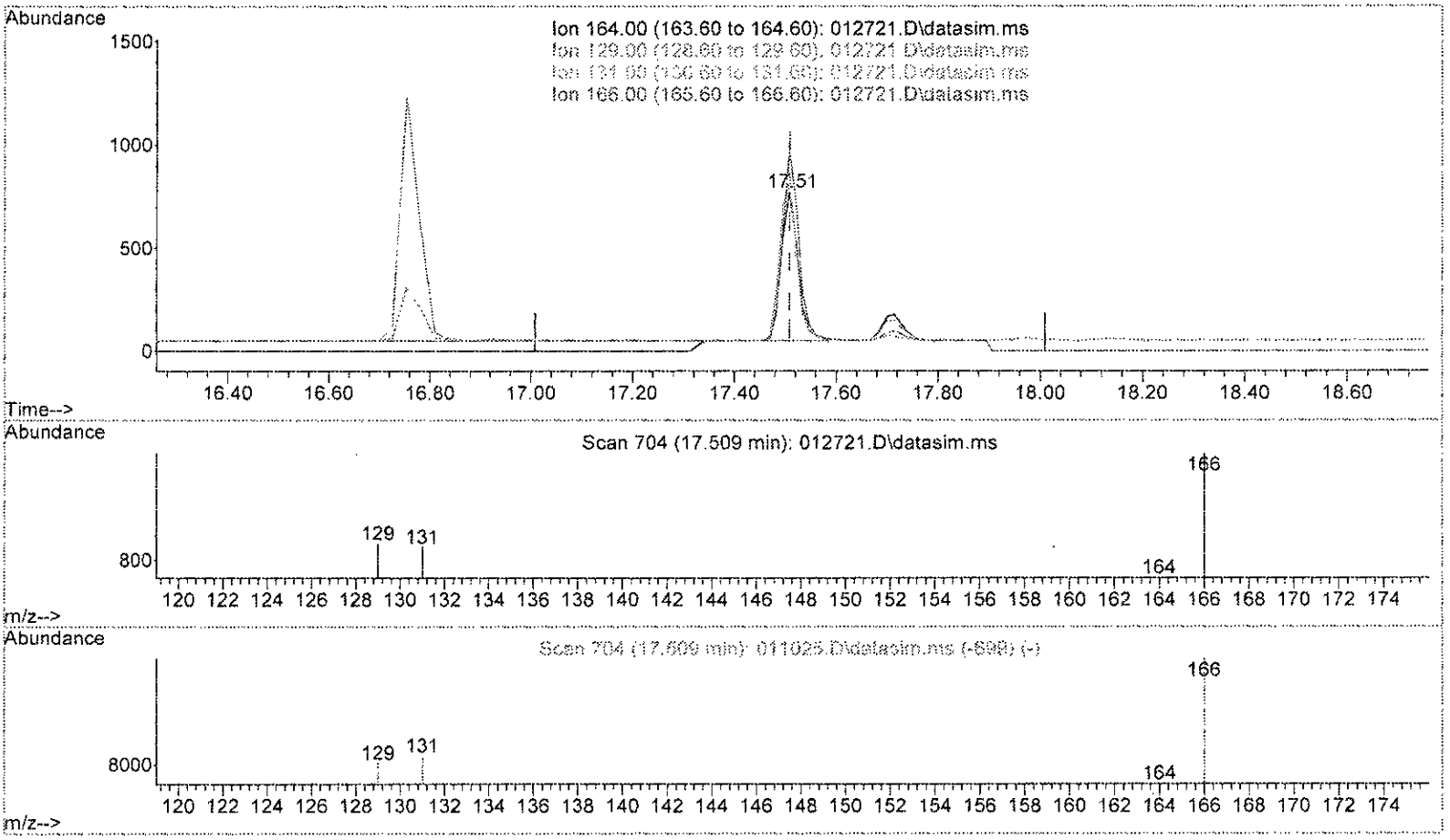
Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.63
131.00	100.70	106.66
166.00	137.50	127.88

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(53) Tetrachloroethene (TMP)

17.509min (-0.000) 0.097 ppbv m

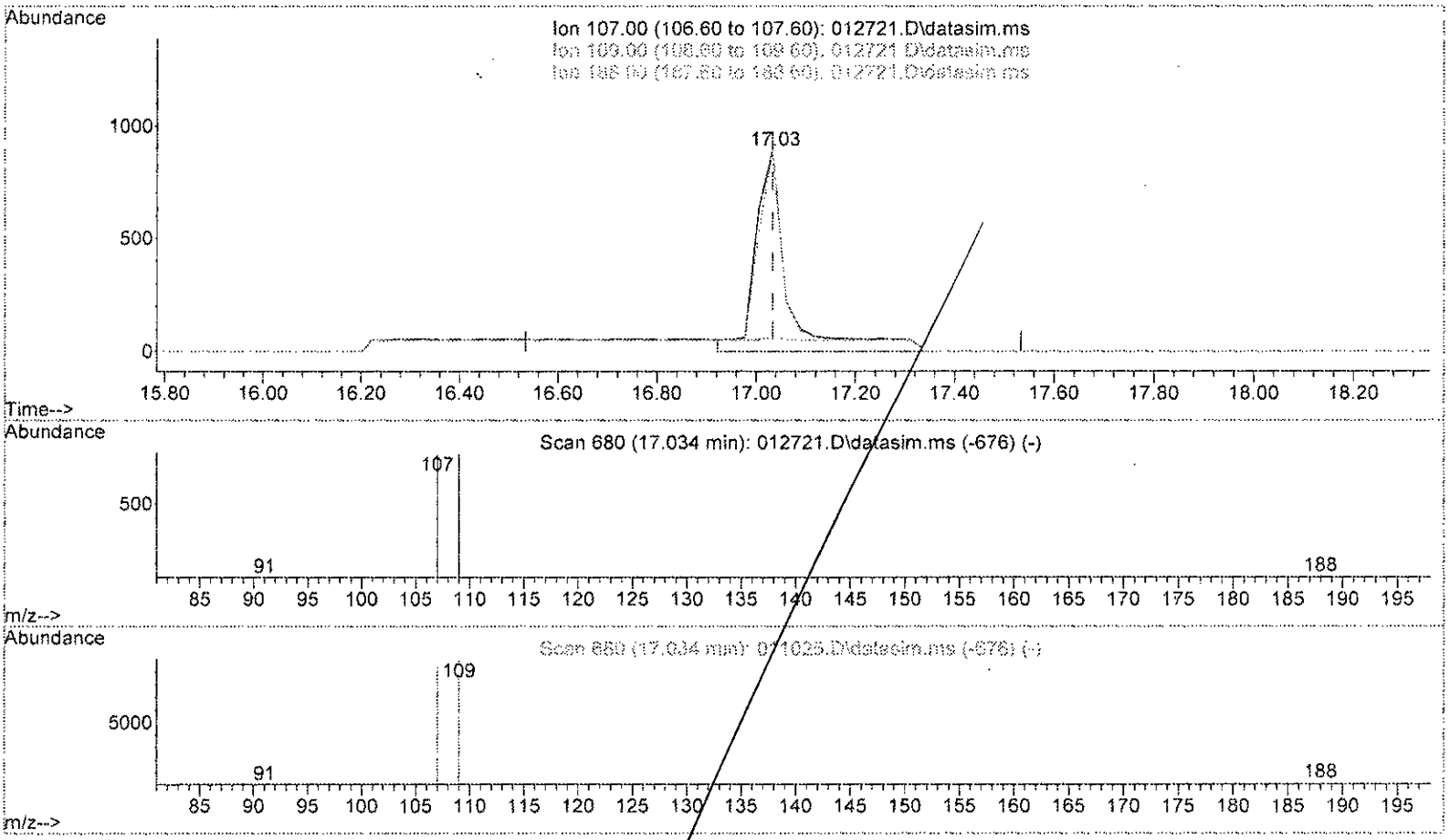
response 1629

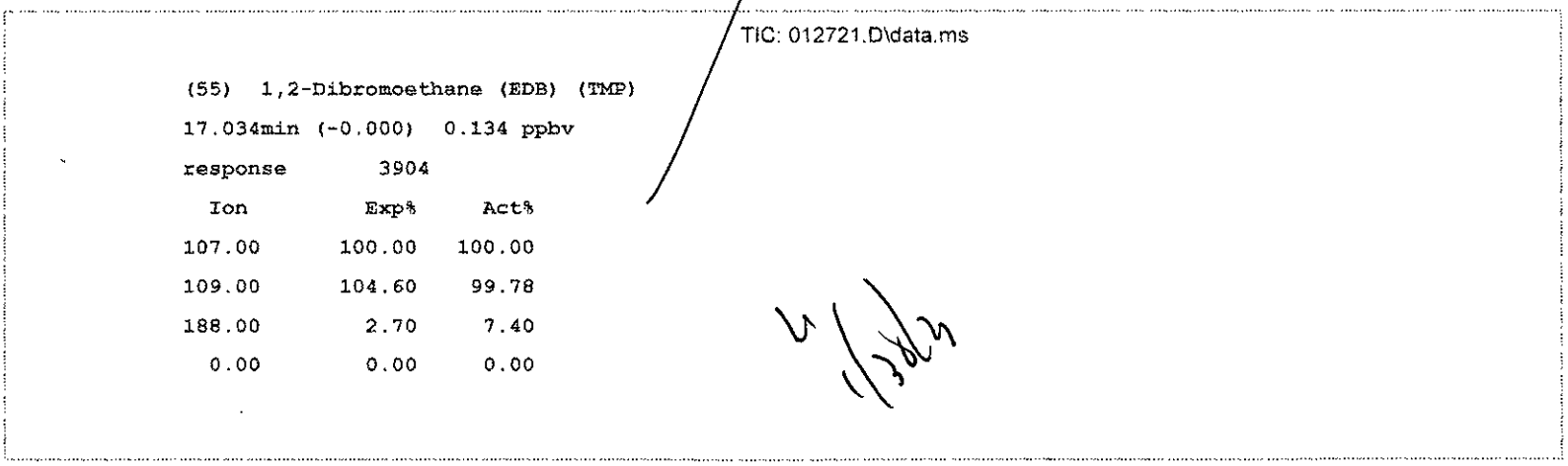
Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	107.13
131.00	100.70	106.36
166.00	137.50	126.07

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.134 ppbv

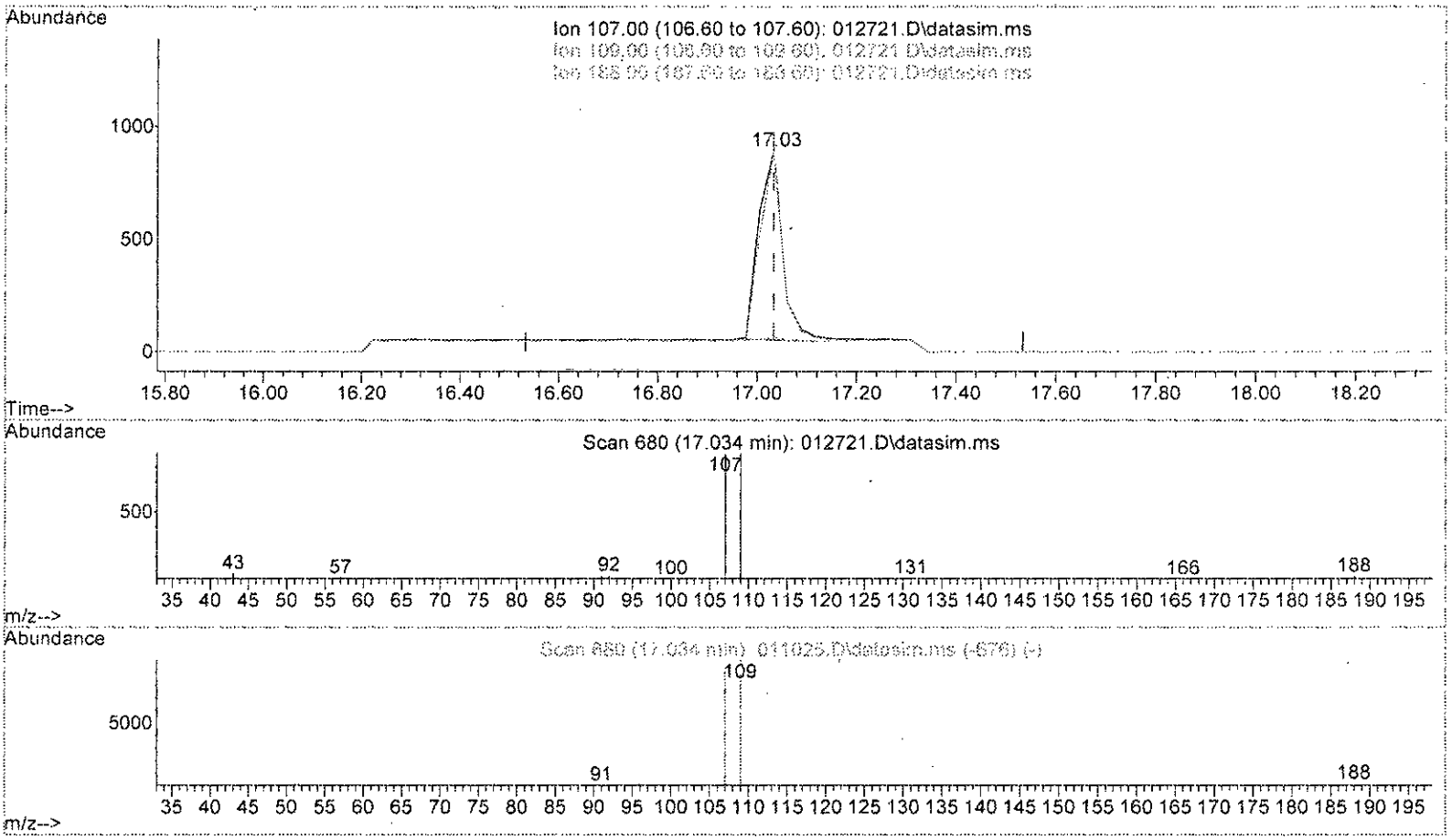
response 3904

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.78
188.00	2.70	7.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012721.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.096 ppbv m

response 2783

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	99.78
188.00	2.70	7.40
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	80043	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.13	114	353942	10.000	ppbv	0.02
56) Chlorobenzene-d5	18.14	117	291665	10.000	ppbv	0.01
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.58	95	177778	9.173	ppbv	0.01
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.70%		
Target Compounds						Qvalue
2) Propene	3.41	41	1173	0.092	ppbv	79
3) Dichlorodifluoromethane	3.49	85	3414	0.105	ppbv	98
4] Chloromethane	3.69	50	1385m	0.103	ppbv	
5) F-114	3.84	85	3233	0.097	ppbv	82
6] Vinyl chloride	4.05	62	1333	0.097	ppbv	93
7] 1,3-Butadiene	4.17	54	813	0.094	ppbv #	78
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	4.60	94	1133	0.083	ppbv #	65
10] Chloroethane	4.80	64	474m	0.093	ppbv	
11] Vinyl bromide	5.26	106	1183m	0.093	ppbv	
12) Ethanol	0.00		0	N.D.	d	
13] Acrolein	5.36	56	371m	0.088	ppbv	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	5.78	101	3066	0.086	ppbv	84
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18] 1,1-Dichloroethene	6.60	96	1223	0.100	ppbv #	68
19] trans-1,2-Dichloroethene	8.07	96	1150m	0.096	ppbv	
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	7.12	101	2922	0.108	ppbv	77
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.	d	
26) Vinyl acetate	0.00		0	N.D.	d	
27] 1,1-Dichloroethane	8.33	63	2514	0.098	ppbv	96
28] cis-1,2-Dichloroethene	9.62	96	1266	0.097	ppbv	91
29) Hexane	0.00		0	N.D.	d	
30] Chloroform	10.07	83	2932	0.097	ppbv	95
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	10.76	42	1508	0.101	ppbv	67
33) 2-Butanone (MEK)	8.91	72	211	0.049	ppbv #	31
34] 1,2-Dichloroethane (EDC)	11.32	62	1769	0.093	ppbv	100
35] 1,1,1-Trichloroethane	11.80	97	2493m	0.099	ppbv	
36] Carbon tetrachloride	12.84	117	2646	0.100	ppbv	99
37] Benzene	12.60	78	4189m	0.098	ppbv	
38) Cyclohexane	0.00		0	N.D.	d	
40] 1,2-Dichloropropane	13.79	63	1832m	0.093	ppbv	

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

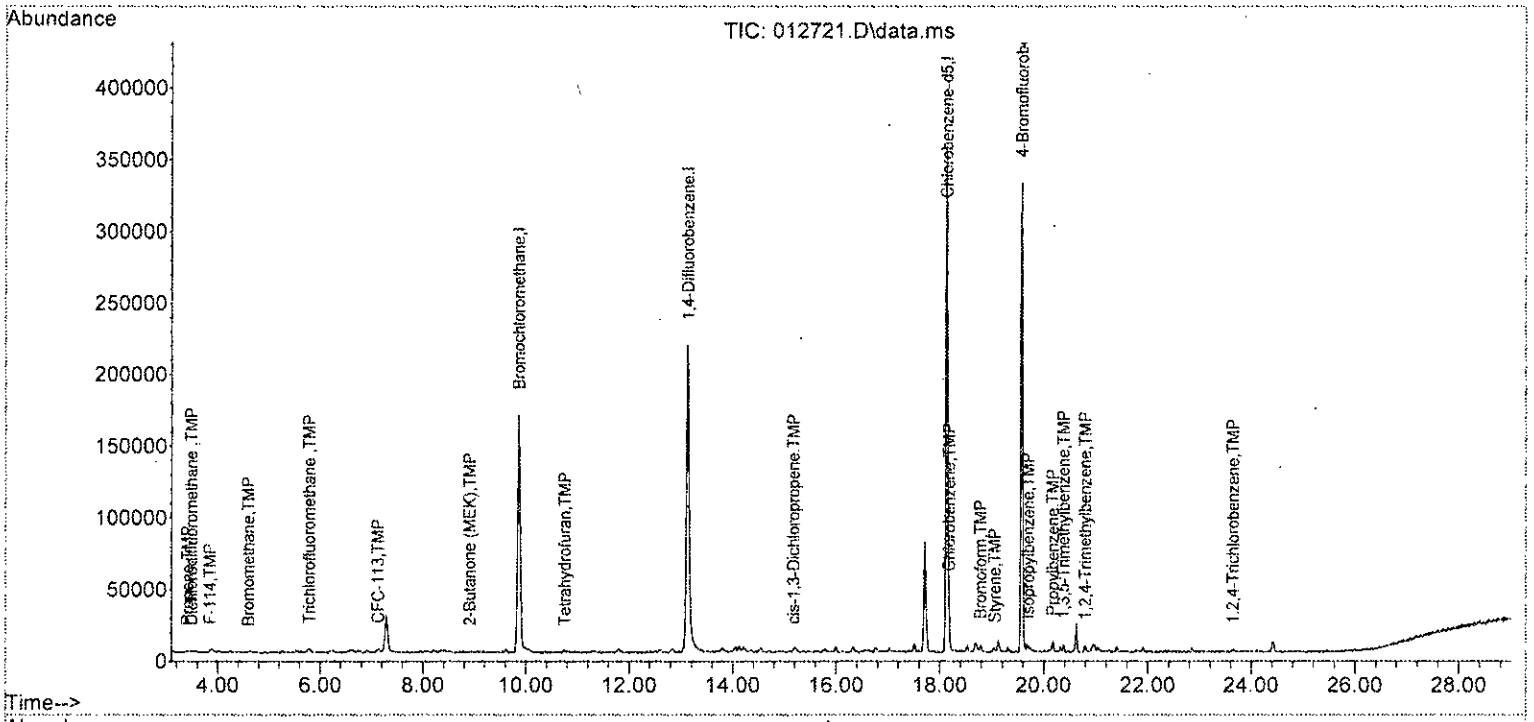
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.11	88	774	0.094	ppbv		79
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d		
43) Methyl methacrylate	0.00		0	N.D.	d		
44) Heptane	0.00		0	N.D.	d		
45] Bromodichloromethane	14.04	83	3087	0.096	ppbv		98
46] Trichloroethene	14.11	95	2002	0.098	ppbv		81
47) cis-1,3-Dichloropropene	15.18	75	1978	0.089	ppbv		85
48) 4-Methyl-2-pentanone	0.00		0	N.D.			
49] trans-1,3-Dichloropropene	15.78	75	1950	0.093	ppbv		87
50] Toluene	16.31	92	2484m	0.096	ppbv		
51] 1,1,2-Trichloroethane	15.99	83	1814m	0.094	ppbv		
52) 2-Hexanone	0.00		0	N.D.	d		
53] Tetrachloroethene	17.51	164	1629m	0.097	ppbv		
54] Dibromochloromethane	16.75	129	3127	0.097	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.03	107	2783m	0.096	ppbv		
57) Chlorobenzene	18.17	112	3117	0.093	ppbv		88
58] Ethylbenzene	18.53	91	5003	0.088	ppbv		93
59] 1,1,2,2-Tetrachloroethane	19.12	83	4475	0.099	ppbv		100
60) Nonane	0.00		0	N.D.	d		
61) Isopropylbenzene	19.70	105	4945	0.091	ppbv		98
62) 2-Chlorotoluene	0.00		0	N.D.	d		
63) Propylbenzene	20.17	91	7884	0.079	ppbv		96
64) 4-Ethyltoluene	0.00		0	N.D.	d		
65] m,p-Xylene	18.69	106	3182	0.170	ppbv		99
66] o-Xylene	19.14	106	1590	0.086	ppbv		88
67) Styrene	19.06	104	2295	0.094	ppbv		90
68) Bromoform	18.78	173	3283	0.106	ppbv		95
70] Benzyl chloride	20.93	91	2513	0.080	ppbv		92
71) 1,3,5-Trimethylbenzene	20.38	105	4027	0.090	ppbv		97
72) 1,2,4-Trimethylbenzene	20.80	105	2901	0.075	ppbv		95
73] 1,3-Dichlorobenzene	20.98	146	2138	0.072	ppbv		95
74] 1,4-Dichlorobenzene	21.04	146	2205	0.081	ppbv		88
75] 1,2-Dichlorobenzene	21.40	146	2427	0.080	ppbv		95
76) 1,2,4-Trichlorobenzene	23.64	180	979	0.138	ppbv	#	73
77] Naphthalene	23.84	128	1657	0.084	ppbv		97
78] Hexachlorobutadiene	24.42	225	2752	0.092	ppbv		98

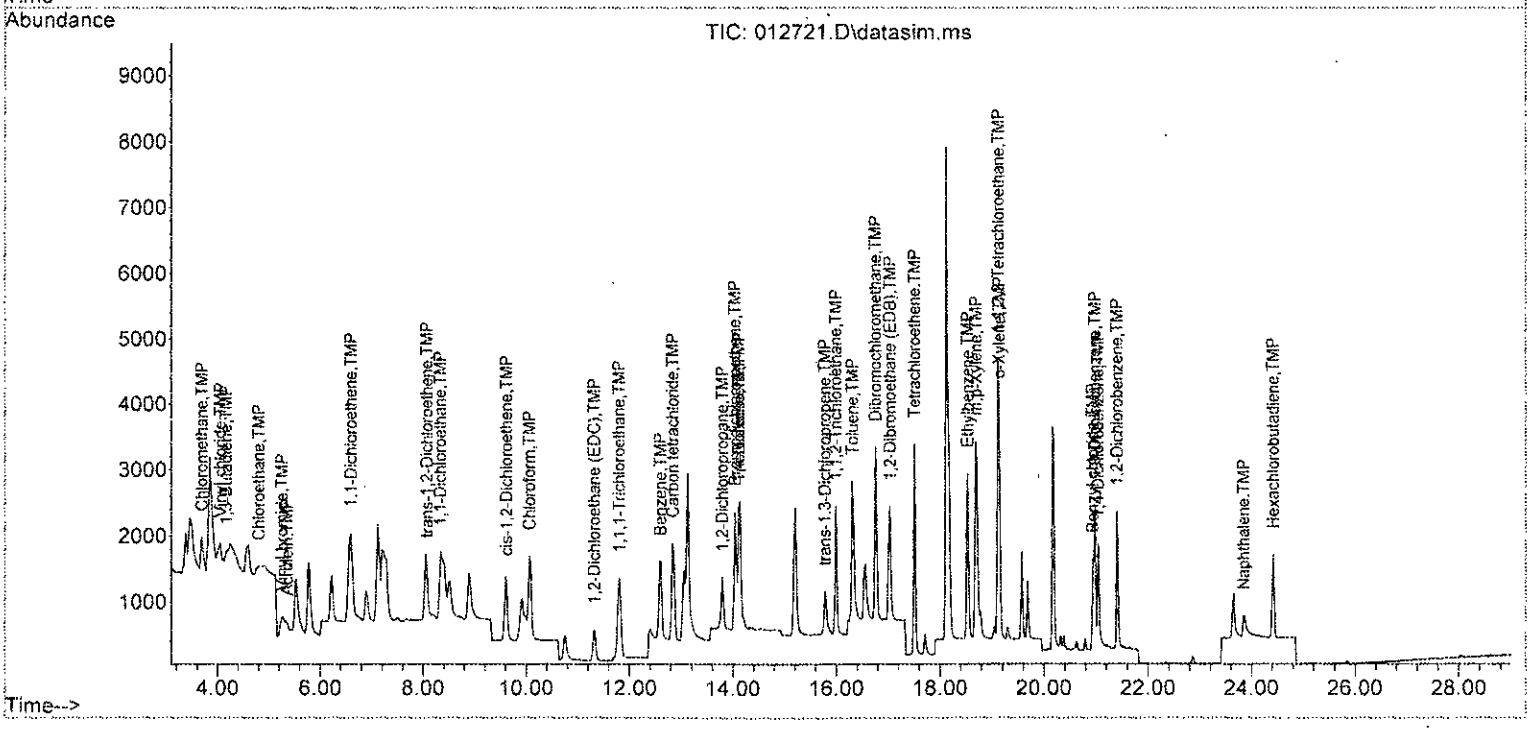
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.100	0.092	8.0	100	0.00
3	TMP	Dichlorodifluoromethane	0.100	0.105	-5.0	100	0.00
4	TMP	Chloromethane	0.100	0.103	-3.0	100	0.00
5	TMP	F-114	0.100	0.097	3.0	100	0.00
6	TMP	Vinyl chloride	0.100	0.097	3.0	102	0.00
7	TMP	1,3-Butadiene	0.100	0.094	6.0	100	0.00
8	TMP	Butane	-1.000	0.000	0.0	0	-4.28#
9	TMP	Bromomethane	0.100	0.083	17.0	100	0.00
10	TMP	Chloroethane	0.100	0.093	7.0	97	0.00
11	TMP	Vinyl bromide	0.100	0.093	7.0	102	-0.02
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.92#
13	TMP	Acrolein	0.100	0.088	12.0	92	-0.02
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.22#
15	TMP	Trichlorofluoromethane	0.100	0.086	14.0	100	-0.02
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.53#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.76#
18	TMP	1,1-Dichloroethene	0.100	0.100	0.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.100	0.096	4.0	96	0.00
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.78#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.54#
22	TMP	3-Chloropropene	-1.000	0.000	0.0	0	-6.91#
23	TMP	CFC-113	0.100	0.108	-8.0	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	-1.000	0.000	0.0	0	-8.41#
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.51#
27	TMP	1,1-Dichloroethane	0.100	0.098	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.100	0.097	3.0	100	0.02
29	TMP	Hexane	-1.000	0.000	0.0	0	-9.99#
30	TMP	Chloroform	0.100	0.097	3.0	100	0.00
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.90#
32	TMP	Tetrahydrofuran	0.100	0.101	-1.0	100	0.03
33	TMP	2-Butanone (MEK)	0.100	0.049	51.0#	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	0.100	0.093	7.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.100	0.099	1.0	101	0.00
36	TMP	Carbon tetrachloride	0.100	0.100	0.0	100	0.00
37	TMP	Benzene	0.100	0.098	2.0	98	0.02
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.05#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	0.100	0.093	7.0	94	0.00
41	TMP	1,4-Dioxane	0.100	0.094	6.0	100	0.05
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.20#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.52#
45	TMP	Bromodichloromethane	0.100	0.096	4.0	100	0.00
46	TMP	Trichloroethene	0.100	0.098	2.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.100	0.089	11.0	100	0.00
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.100	0.093	7.0	100	0.00
50	TMP	Toluene	0.100	0.096	4.0	97	0.00
51	TMP	1,1,2-Trichloroethane	0.100	0.094	6.0	101	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.55#
53	TMP	Tetrachloroethene	0.100	0.097	3.0	96	0.00
54	TMP	Dibromochloromethane	0.100	0.097	3.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.100	0.096	4.0	98	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.01
57	TMP	Chlorobenzene	0.100	0.093	7.0	100	0.01
58	TMP	Ethylbenzene	0.100	0.088	12.0	100	0.01
59	TMP	1,1,2,2-Tetrachloroethane	0.100	0.099	1.0	100	0.01
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.100	0.091	9.0	100	0.01
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.16#
63	TMP	Propylbenzene	0.100	0.079	21.0	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.31#
65	TMP	m,p-Xylene	0.200	0.170	15.0	100	0.00
66	TMP	o-Xylene	0.100	0.086	14.0	100	0.00
67	TMP	Styrene	0.100	0.094	6.0	100	0.01
68	TMP	Bromoform	0.100	0.106	-6.0	100	0.00
69	S	4-Bromofluorobenzene	10.000	9.173	8.3	100	0.01
70	TMP	Benzyl chloride	0.100	0.080	20.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	0.100	0.090	10.0	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.100	0.075	25.0	100	0.00
73	TMP	1,3-Dichlorobenzene	0.100	0.072	28.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.100	0.081	19.0	99	0.00
75	TMP	1,2-Dichlorobenzene	0.100	0.080	20.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.100	0.138	-38.0#	100	0.00
77	TMP	Naphthalene	0.100	0.084	16.0	100	0.00
78	TMP	Hexachlorobutadiene	0.100	0.092	8.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.465	-13.9	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.265	-4.5	100	0.00
4	TMP	Chloromethane	1.676	1.730	-3.2	100	0.00
5	TMP	F-114	4.169	4.039	3.1	100	0.00
6	TMP	Vinyl chloride	1.712	1.665	2.7	102	0.00
7	TMP	1,3-Butadiene	1.078	1.016	5.8	100	0.00
8	TMP	Butane	2.051	0.000	100.0#	0#	-4.28#
9	TMP	Bromomethane	1.696	1.415	16.6	100	0.00
10	TMP	Chloroethane	0.634	0.592	6.6	97	0.00
11	TMP	Vinyl bromide	1.588	1.478	6.9	102	-0.02
12	TMP	Ethanol	0.538	0.000	100.0#	0#	-4.92#
13	TMP	Acrolein	0.525	0.464	11.6	92	-0.02
14	TMP	Pentane	2.340	0.000#	100.0#	0#	-6.22#
15	TMP	Trichlorofluoromethane	4.468	3.830	14.3	100	-0.02
16	TMP	Acetone	0.731	0.000#	100.0#	0#	-5.53#
17	TMP	2-Propanol	2.824	0.000	100.0#	0#	-5.76#
18	TMP	1,1-Dichloroethene	1.523	1.528	-0.3	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.437	4.1	96	0.00
20	TMP	Methylene chloride	1.441	0.000#	100.0#	0#	-6.78#
21	TMP	t-Butyl alcohol (TBA)	2.364	0.000	100.0#	0#	-6.54#
22	TMP	3-Chloropropene	1.917	0.000	100.0#	0#	-6.91#
23	TMP	CFC-113	3.382	3.651	-8.0	100	0.00
24	TMP	Carbon disulfide	4.899	0.000	100.0#	0#	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	3.174	0.000#	100.0#	0#	-8.41#
26	TMP	Vinyl acetate	3.532	0.000#	100.0#	0#	-8.51#
27	TMP	1,1-Dichloroethane	3.205	3.141	2.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.582	2.8	100	0.02
29	TMP	Hexane	2.044	0.000	100.0#	0#	-9.99#
30	TMP	Chloroform	3.767	3.663	2.8	100	0.00
31	TMP	Ethyl acetate	3.512	0.000	100.0#	0#	-9.90#
32	TMP	Tetrahydrofuran	1.858	1.884	-1.4	100	0.03
33	TMP	2-Butanone (MEK)	0.538	0.264	50.9#	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.210	6.6	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.115	1.2	101	0.00
36	TMP	Carbon tetrachloride	3.318	3.306	0.4	100	0.00
37	TMP	Benzene	5.322	5.233	1.7	98	0.02
38	TMP	Cyclohexane	1.294	0.000	100.0#	0#	-13.05#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	0.555	0.518	6.7	94	0.00
41	TMP	1,4-Dioxane	0.232	0.219	5.6	100	0.05
42	TMP	2,2,4-Trimethylpentane	1.623	0.000	100.0#	0#	-14.20#
43	TMP	Methyl methacrylate	0.452	0.000	100.0#	0#	-14.35#

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012721.D
Acq On : 28 Jan 2023 6:55 am
Operator : bat
Sample : 0.1 ppbv TO15 68-108-c
Misc : T5
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 13:53:19 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

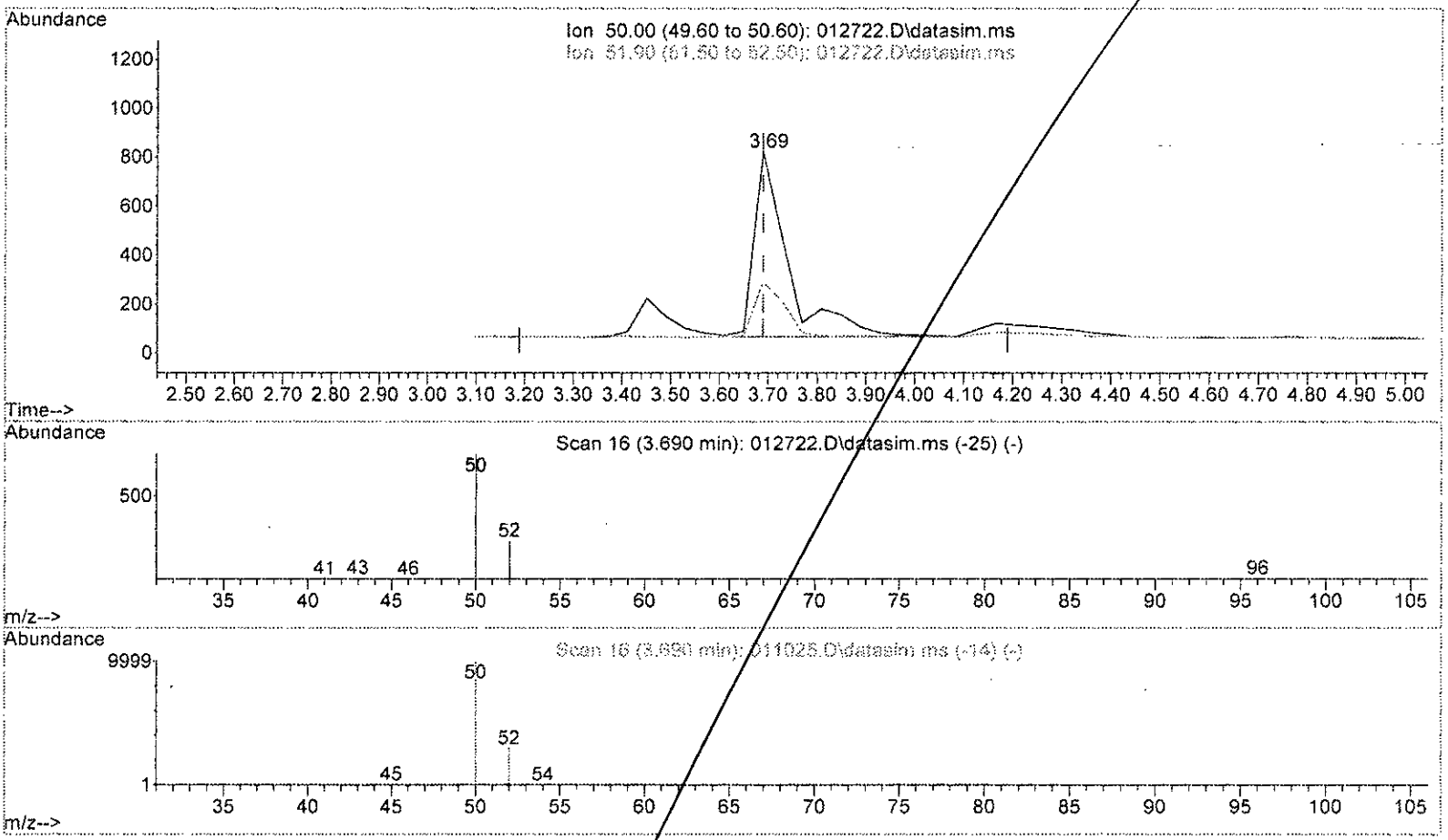
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.000	100.0#	0#	-14.52#
45	TMP	Bromodichloromethane	0.905	0.872	3.6	100	0.00
46	TMP	Trichloroethene	0.579	0.566	2.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.559	11.1	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.000	100.0#	0#	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.592	0.551	6.9	100	0.00
50	TMP	Toluene	0.734	0.702	4.4	97	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.513	5.5	101	0.00
52	TMP	2-Hexanone	0.755	0.000#	100.0#	0#	-16.55#
53	TMP	Tetrachloroethene	0.473	0.460	2.7	96	0.00
54	TMP	Dibromochloromethane	0.912	0.883	3.2	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.786	4.5	98	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.01
57	TMP	Chlorobenzene	1.151	1.069	7.1	100	0.01
58	TMP	Ethylbenzene	1.957	1.715	12.4	100	0.01
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.534	0.7	100	0.01
60	TMP	Nonane	1.017	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.868	1.695	9.3	100	0.01
62	TMP	2-Chlorotoluene	0.464	0.000	100.0#	0#	-20.16#
63	TMP	Propylbenzene	3.426	2.703	21.1	100	0.00
64	TMP	4-Ethyltoluene	1.627	0.000	100.0#	0#	-20.31#
65	TMP	m,p-Xylene	0.641	0.545	15.0	100	0.00
66	TMP	o-Xylene	0.636	0.545	14.3	100	0.00
67	TMP	Styrene	0.840	0.787	6.3	100	0.01
68	TMP	Bromoform	1.062	1.126	-6.0	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.610	8.3	100	0.01
70	TMP	Benzyl chloride	1.083	0.862	20.4	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.381	10.3	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	0.995	25.4	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	0.733	28.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.756	18.8	99	0.00
75	TMP	1,2-Dichlorobenzene	1.040	0.832	20.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.336	43.5#	100	0.00
77	TMP	Naphthalene	0.967	0.568	41.3#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.944	7.9	100	0.00

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 0.260 ppbv

response 3566

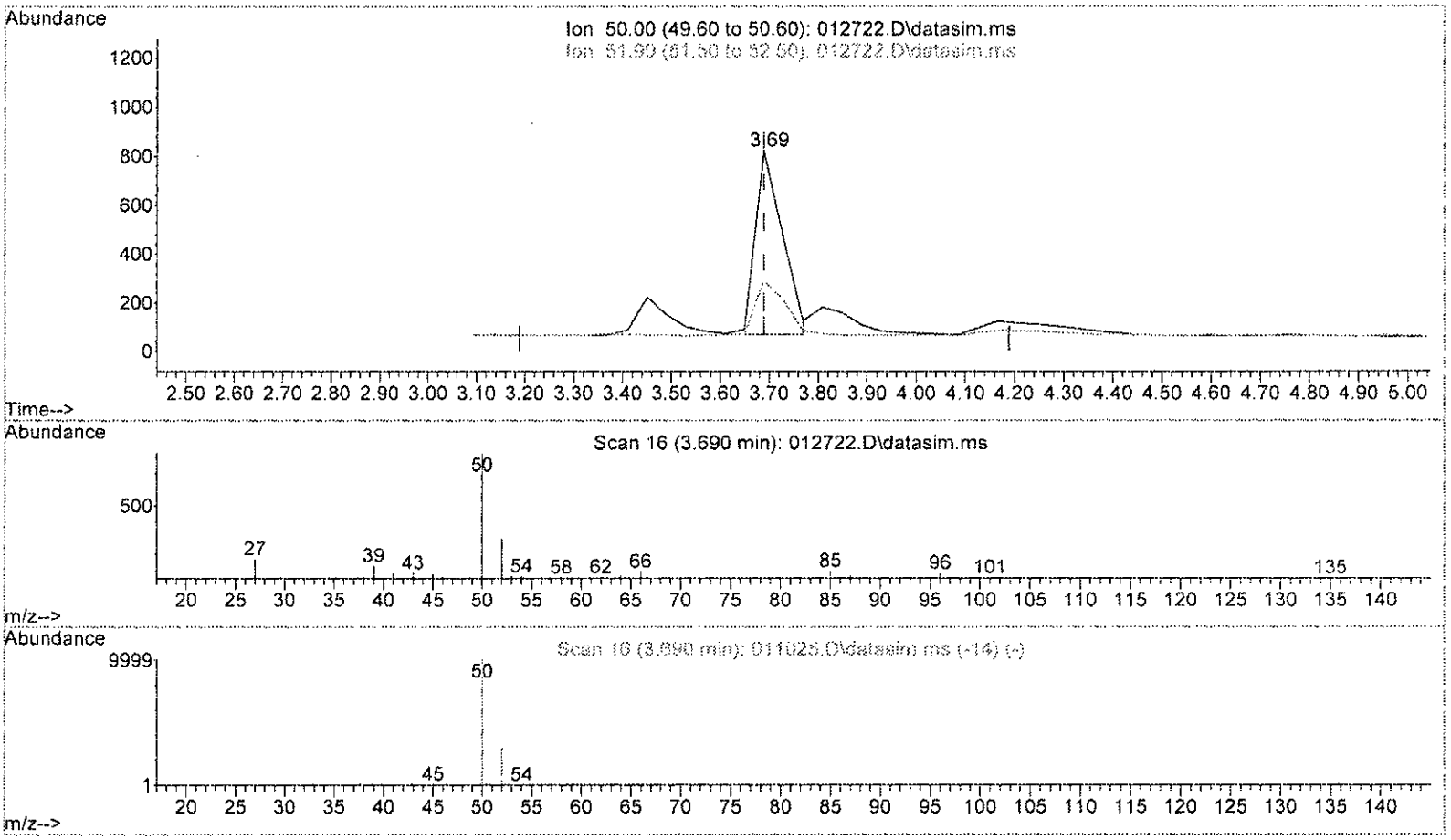
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.23
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 0.212 ppbv m

response 2916

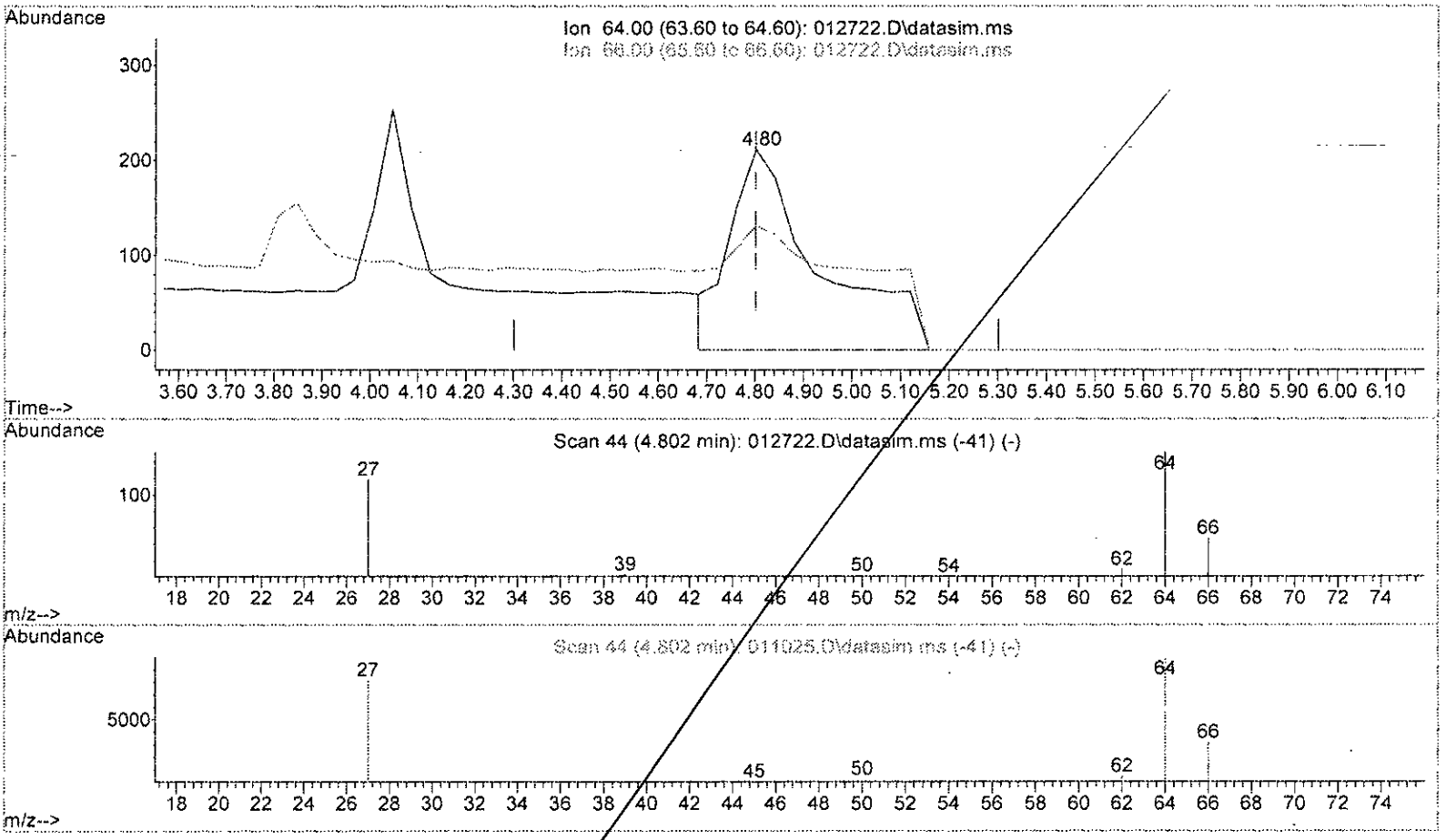
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	35.57
0.00	0.00	0.00
0.00	0.00	0.00

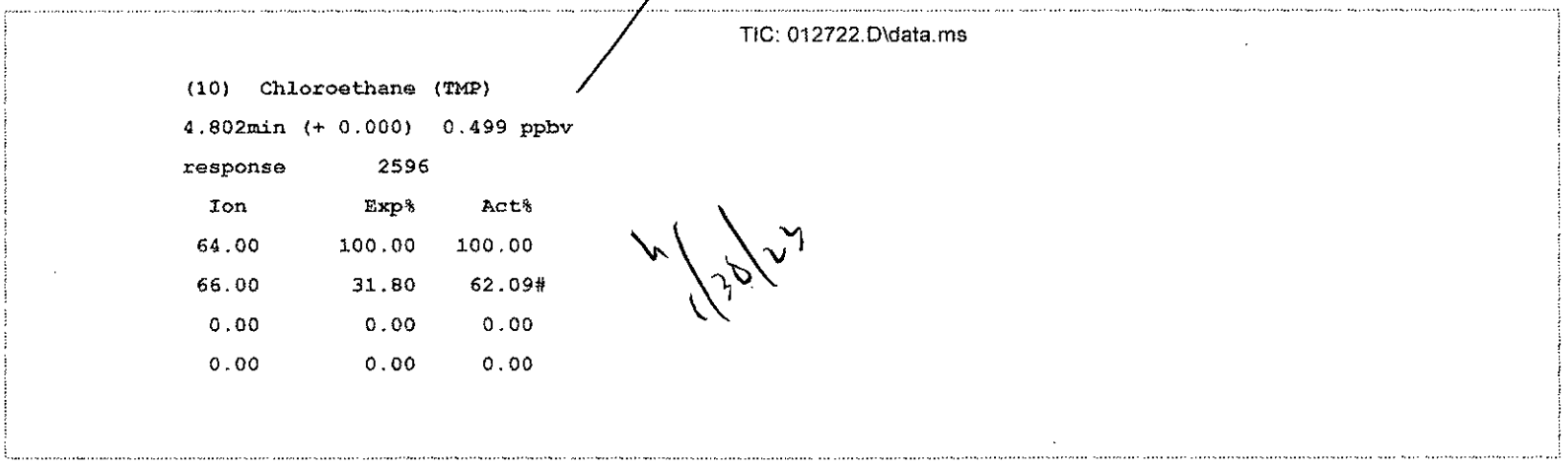
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.499 ppbv

response 2596

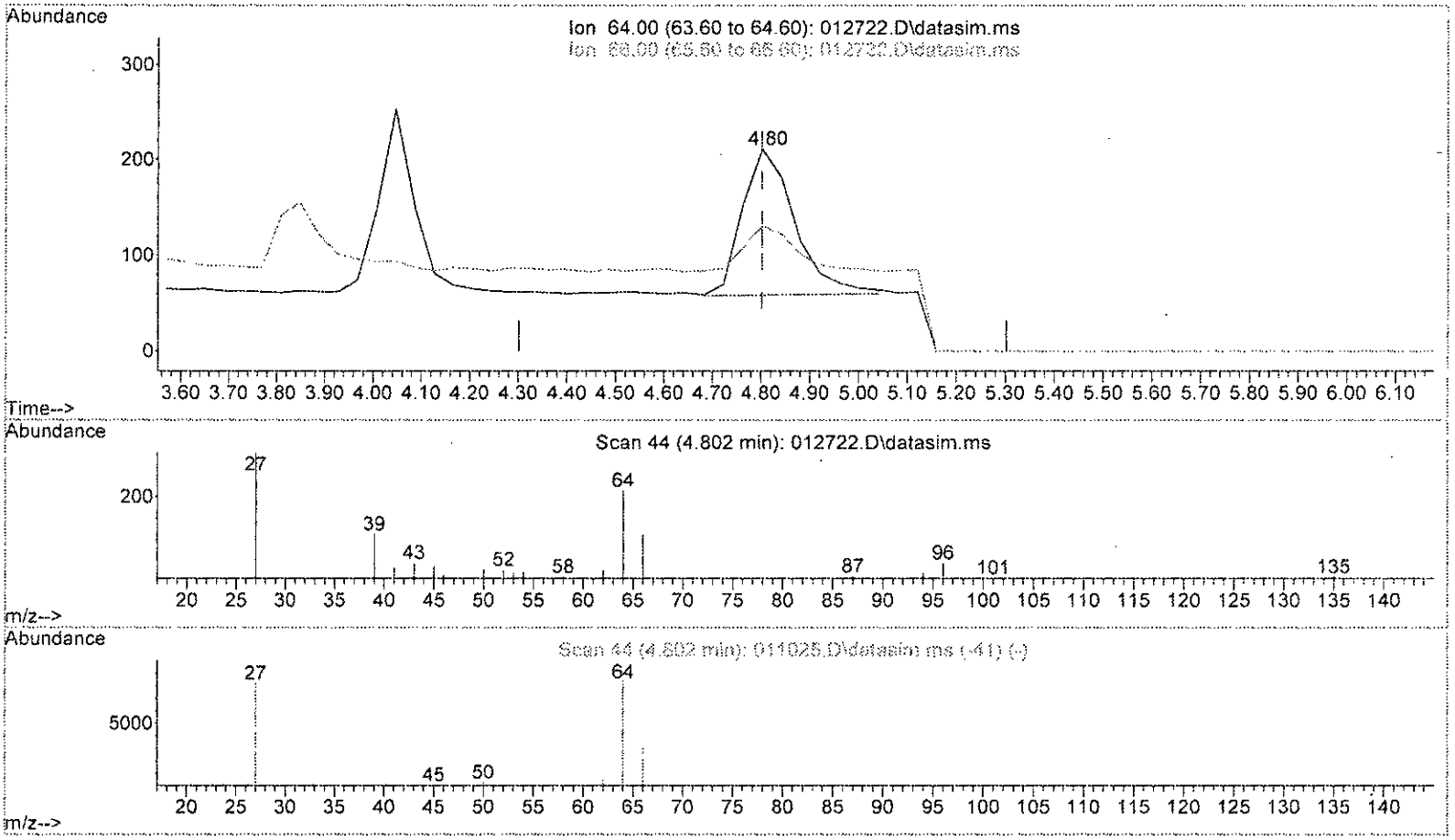
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	62.09#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.220 ppbv m

response 1142

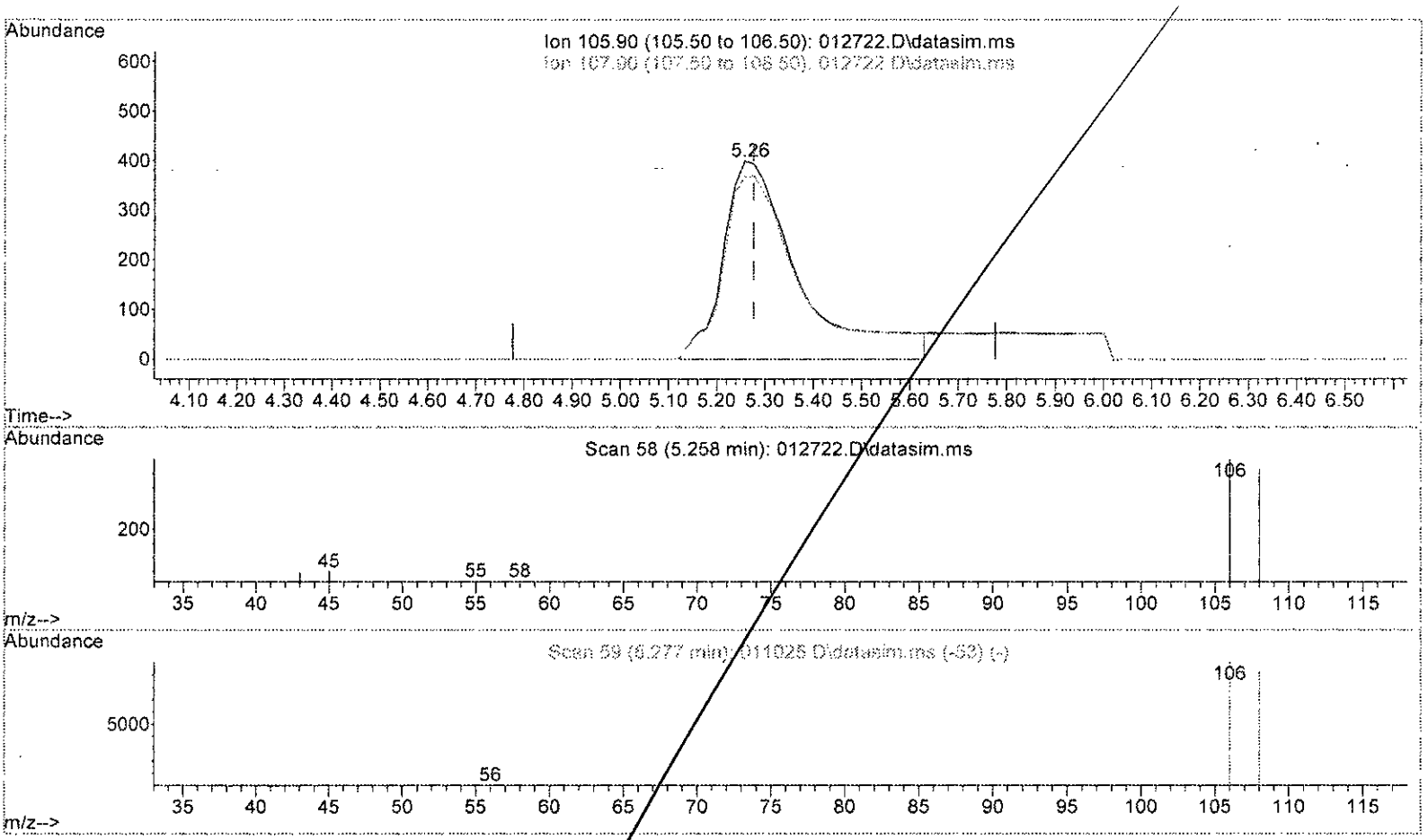
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	62.09#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 0.361 ppbv

response 4696

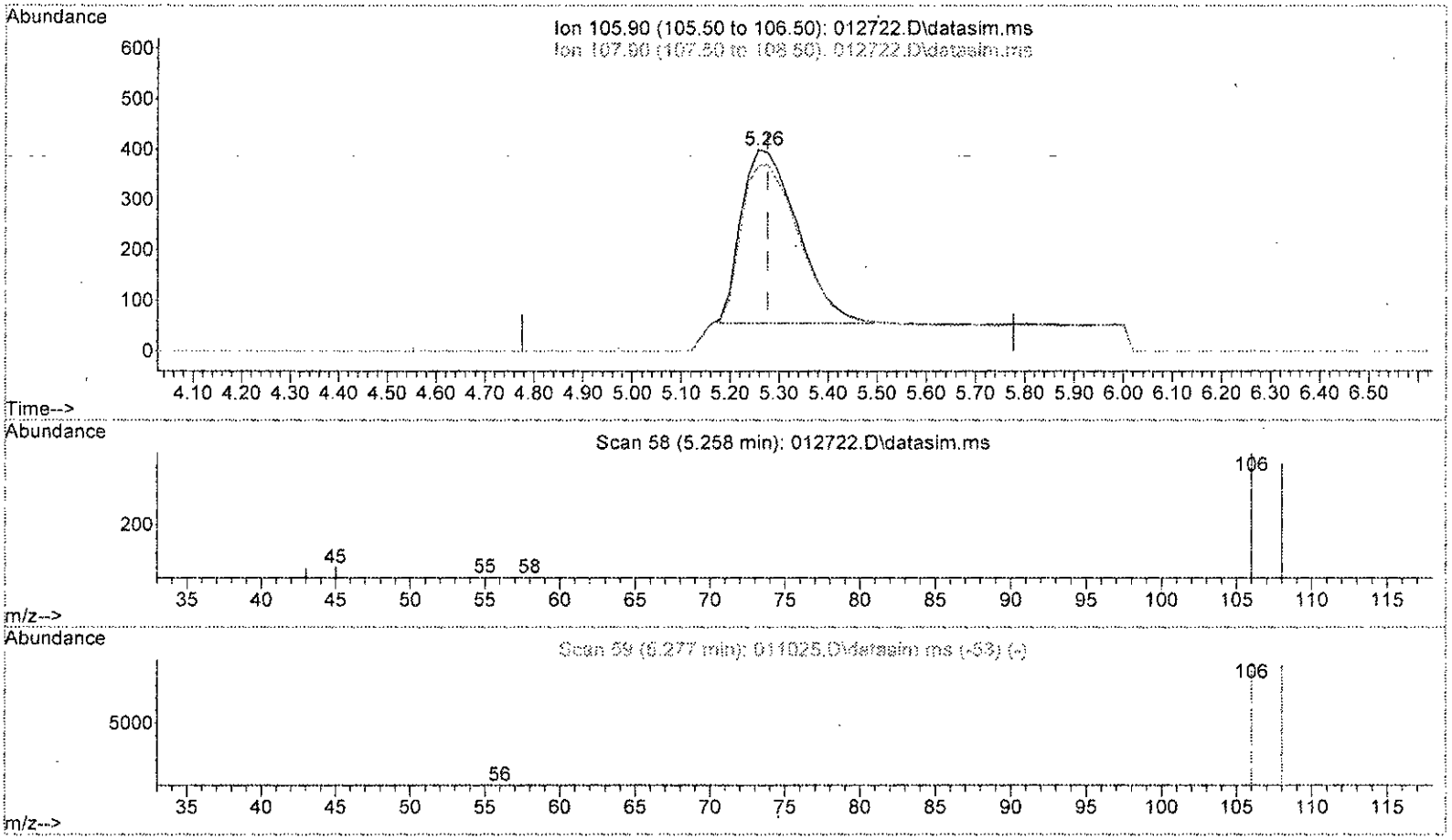
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	96.15
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 0.211 ppbv m

response 2743

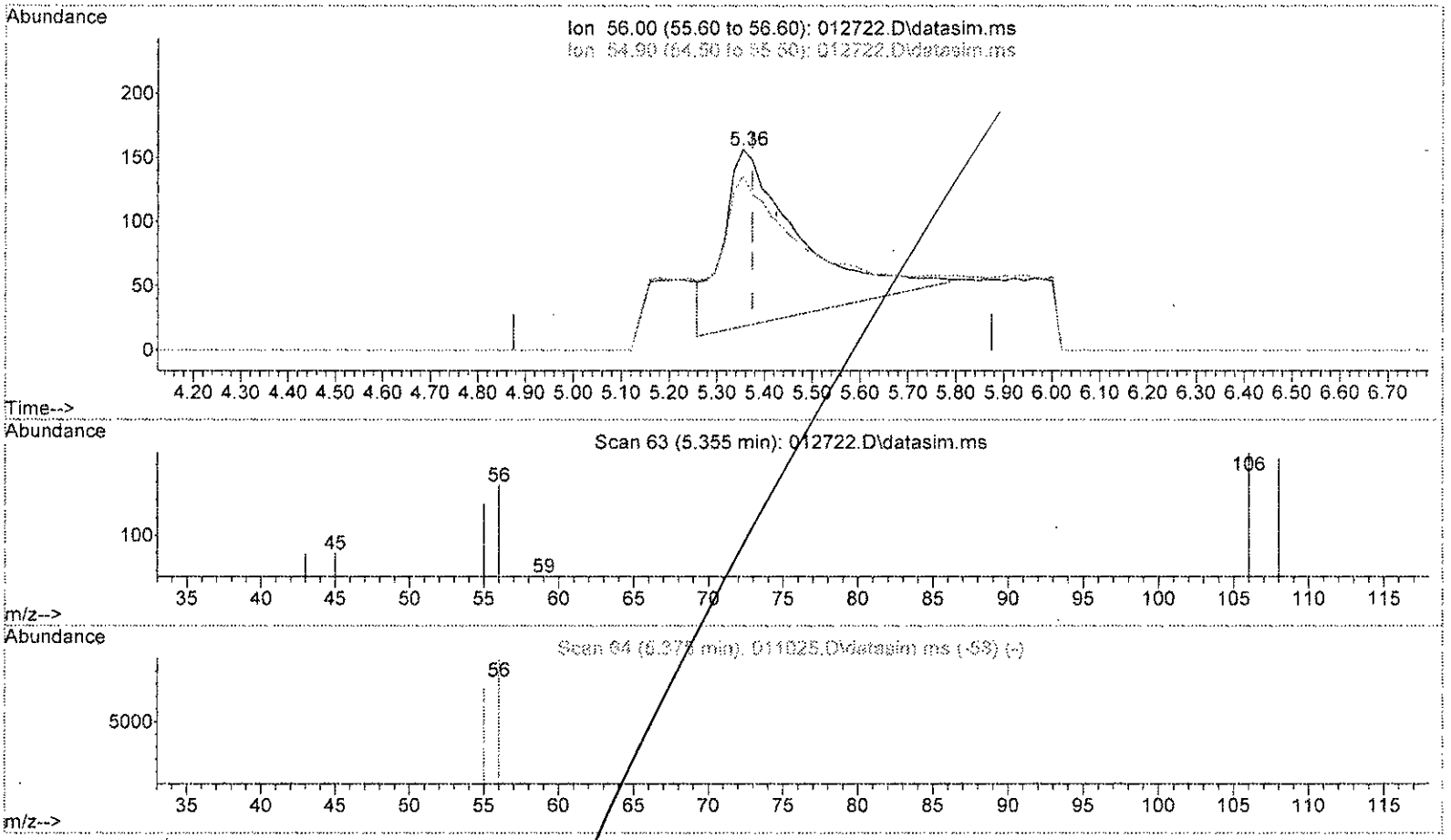
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	164.60#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 0.355 ppbv

response 1529

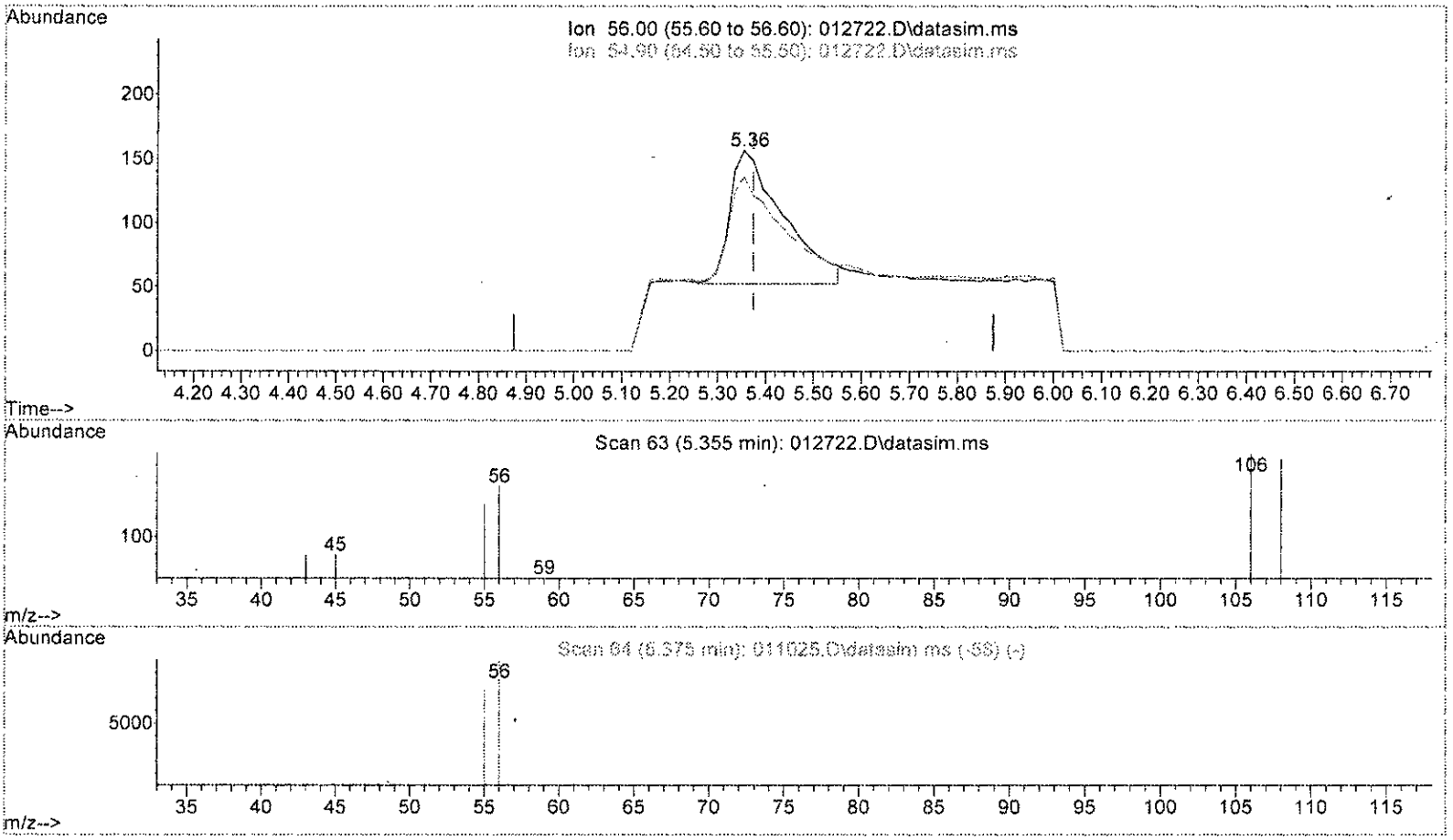
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	77.89
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 0.188 ppbv m

response 810

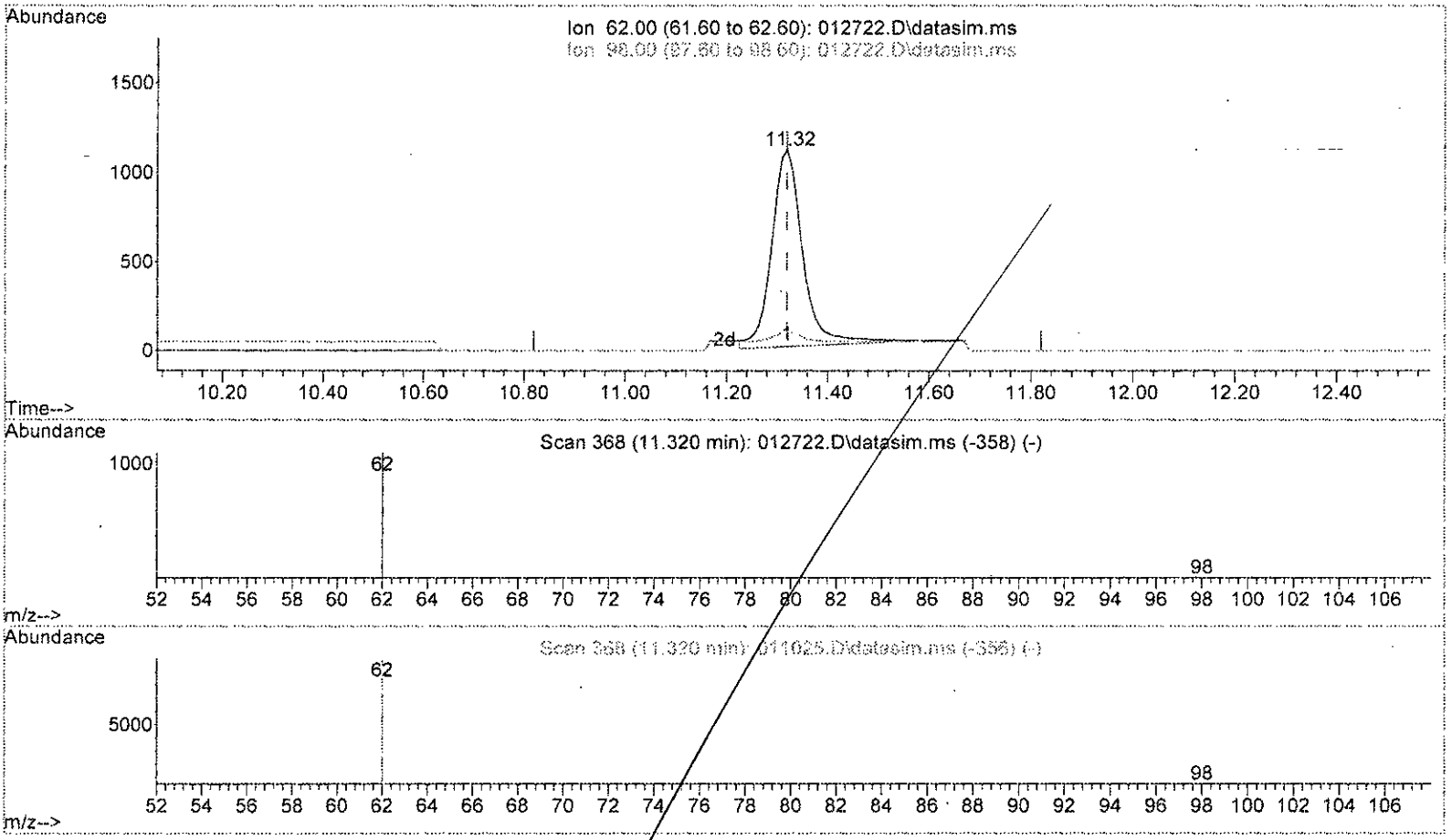
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	147.04#
0.00	0.00	0.00
0.00	0.00	0.00

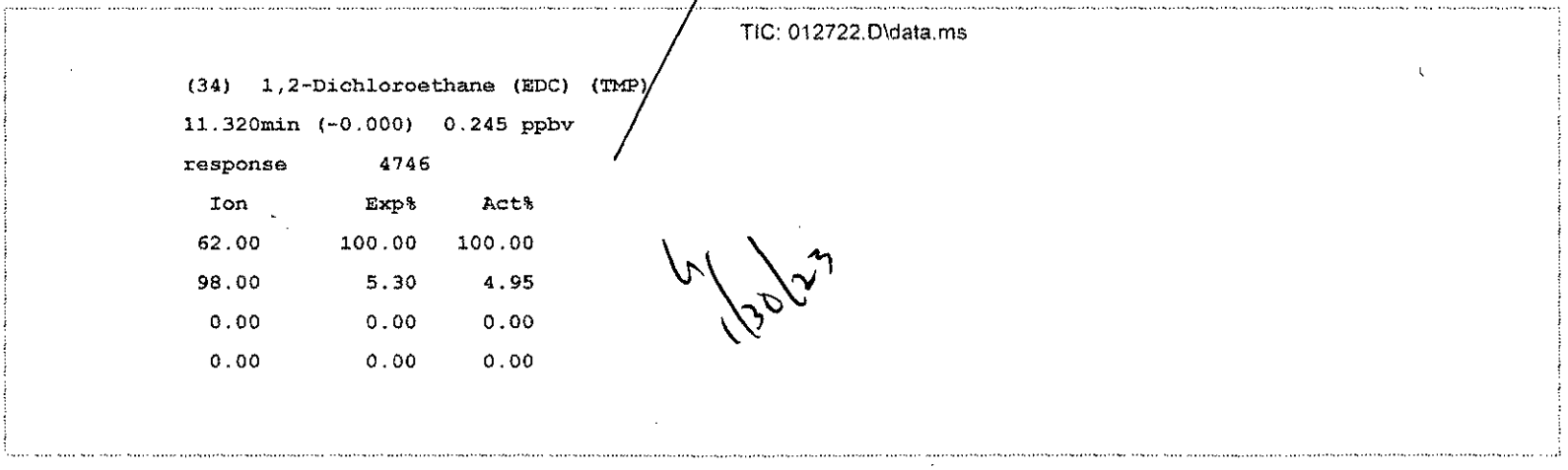
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(34) 1,2-Dichloroethane (EDC) (TMP)
11.320min (-0.000) 0.245 ppbv
response 4746

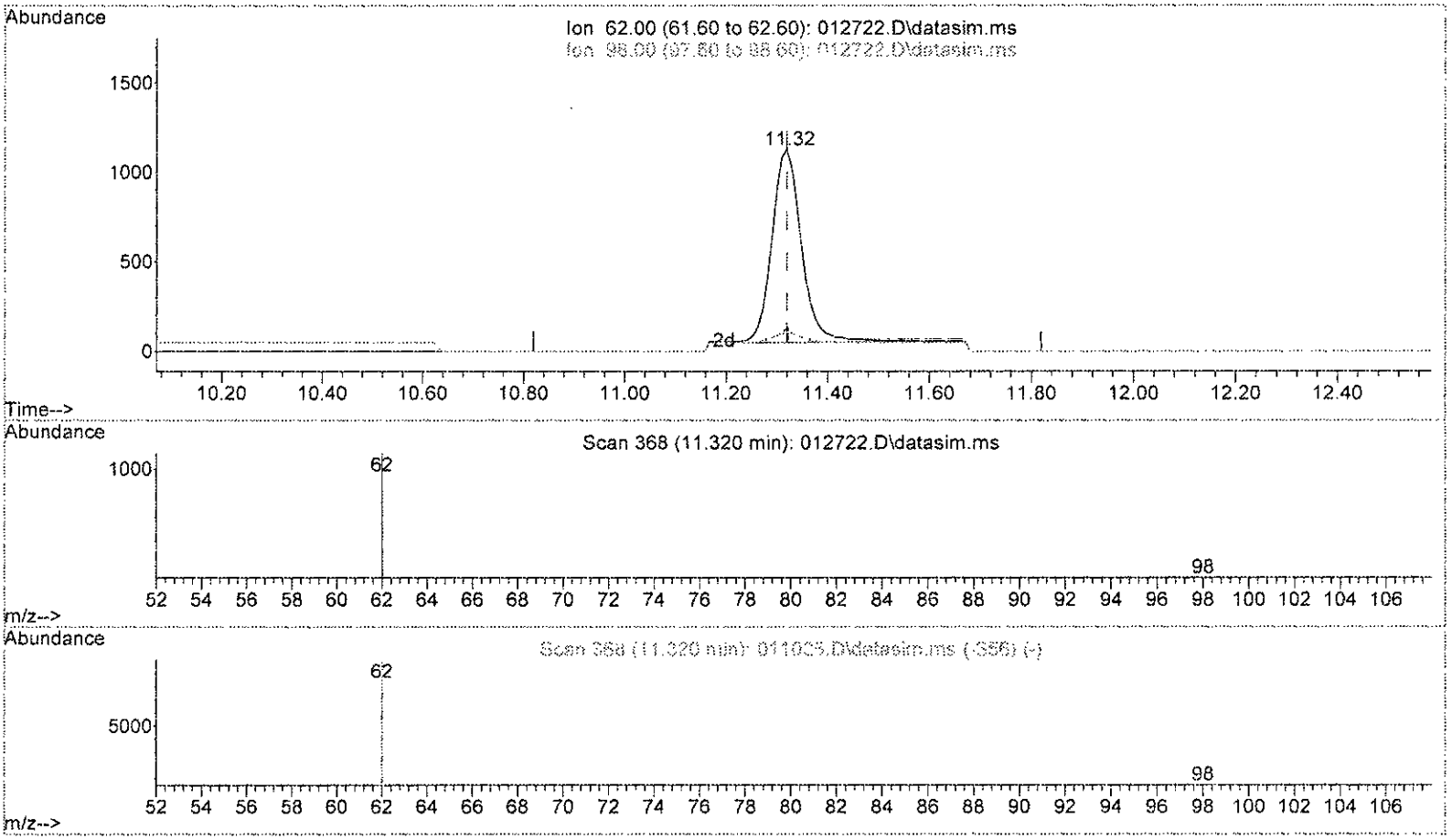
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.95
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 0.222 ppbv m

response 4305

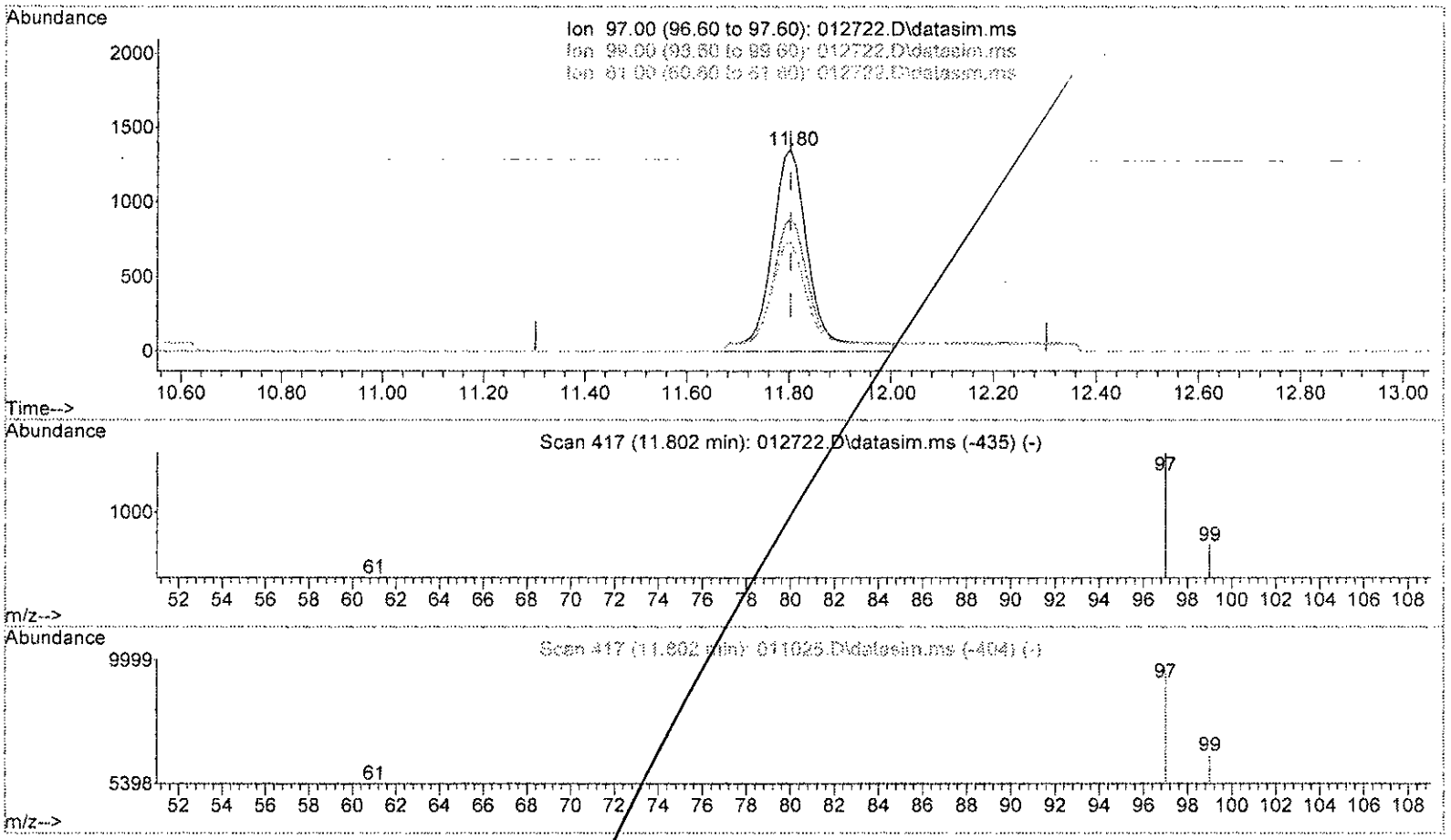
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	9.15
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.802min (-0.001) 0.263 ppbv

response 6796

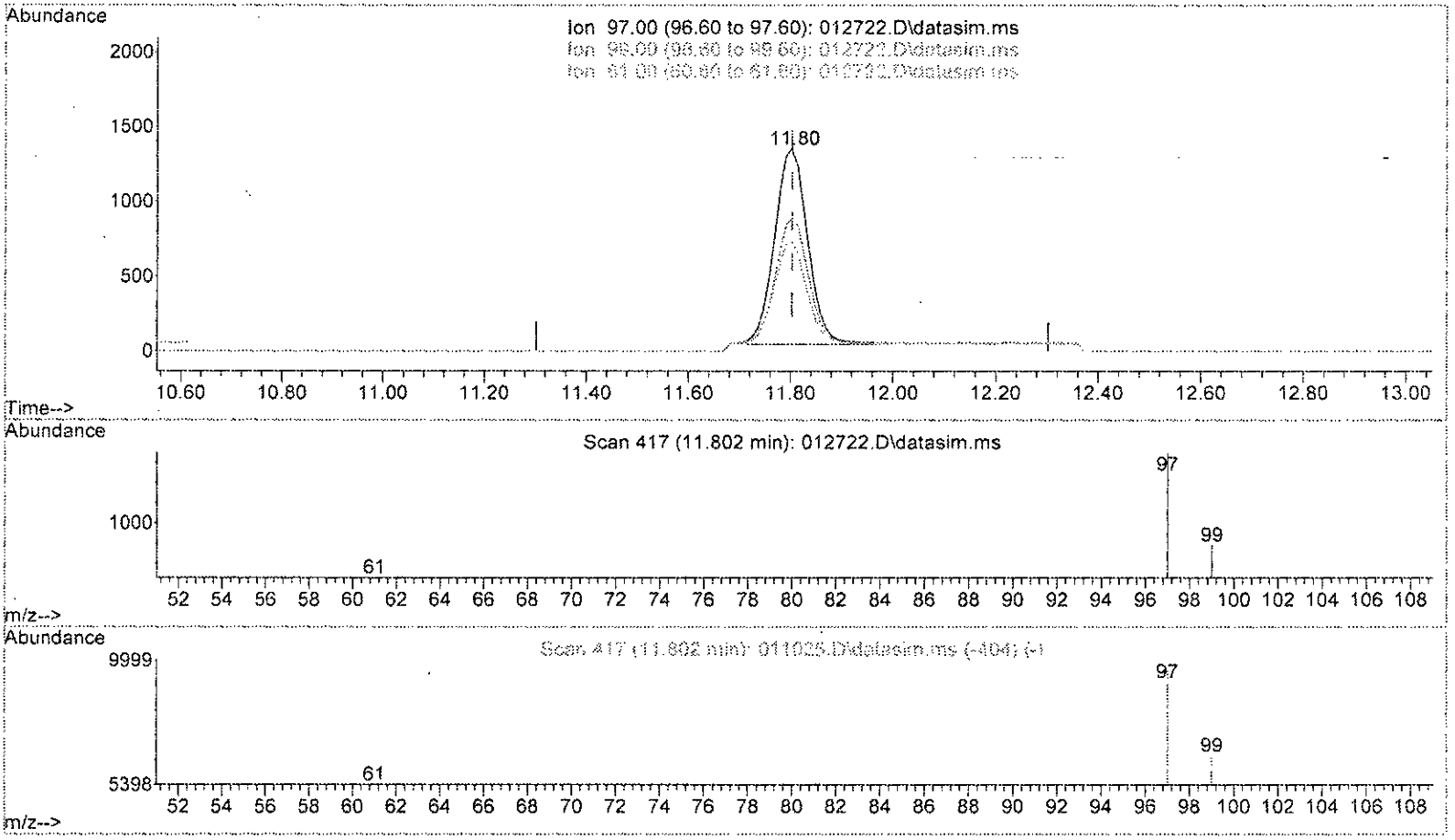
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.97
61.00	49.30	54.19
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.802min (-0.001) 0.228 ppbv m

response 5904

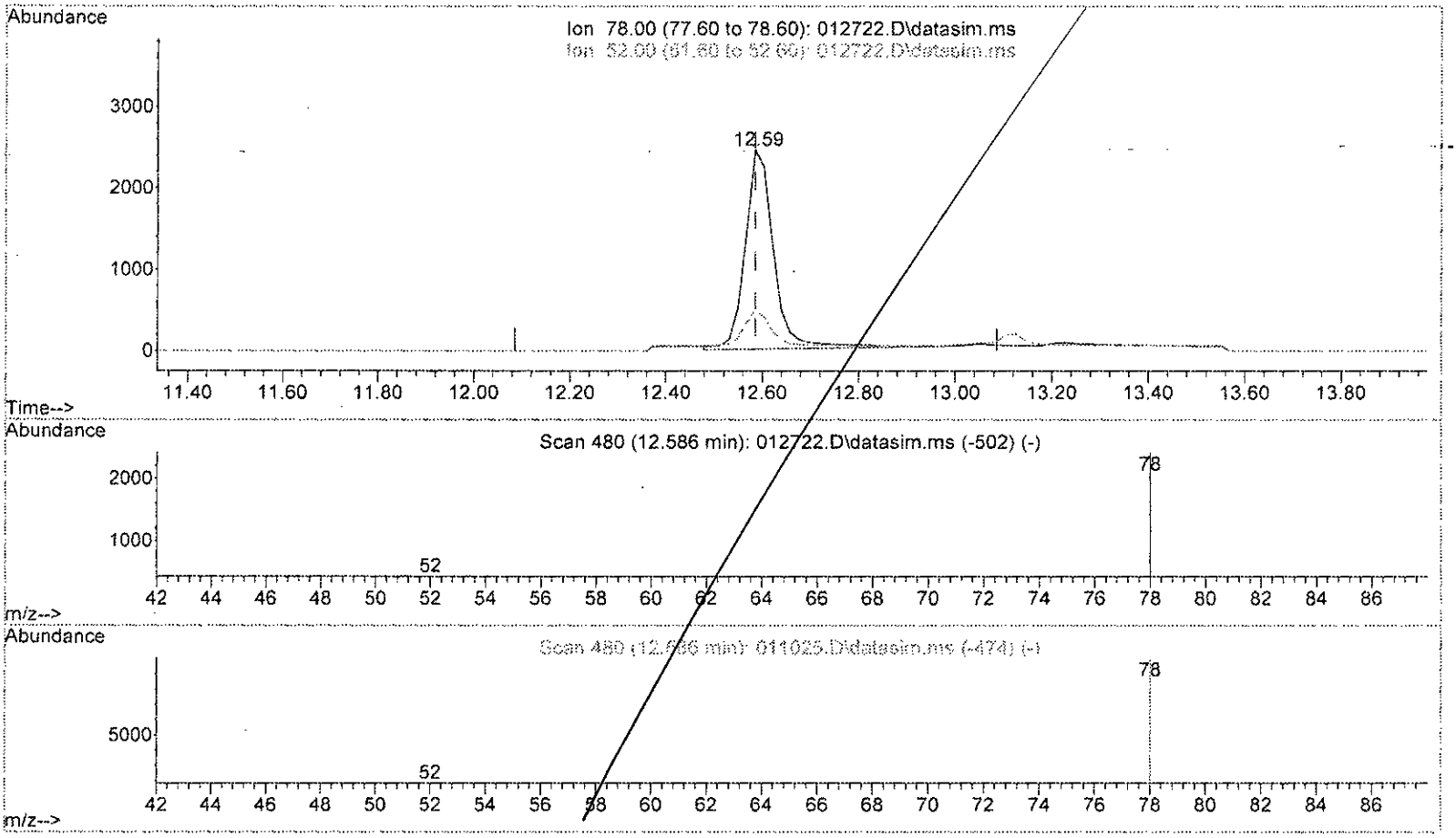
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.97
61.00	49.30	54.19
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(37) Benzene (TMP)

12.586min (-0.000) 0.233 ppbv

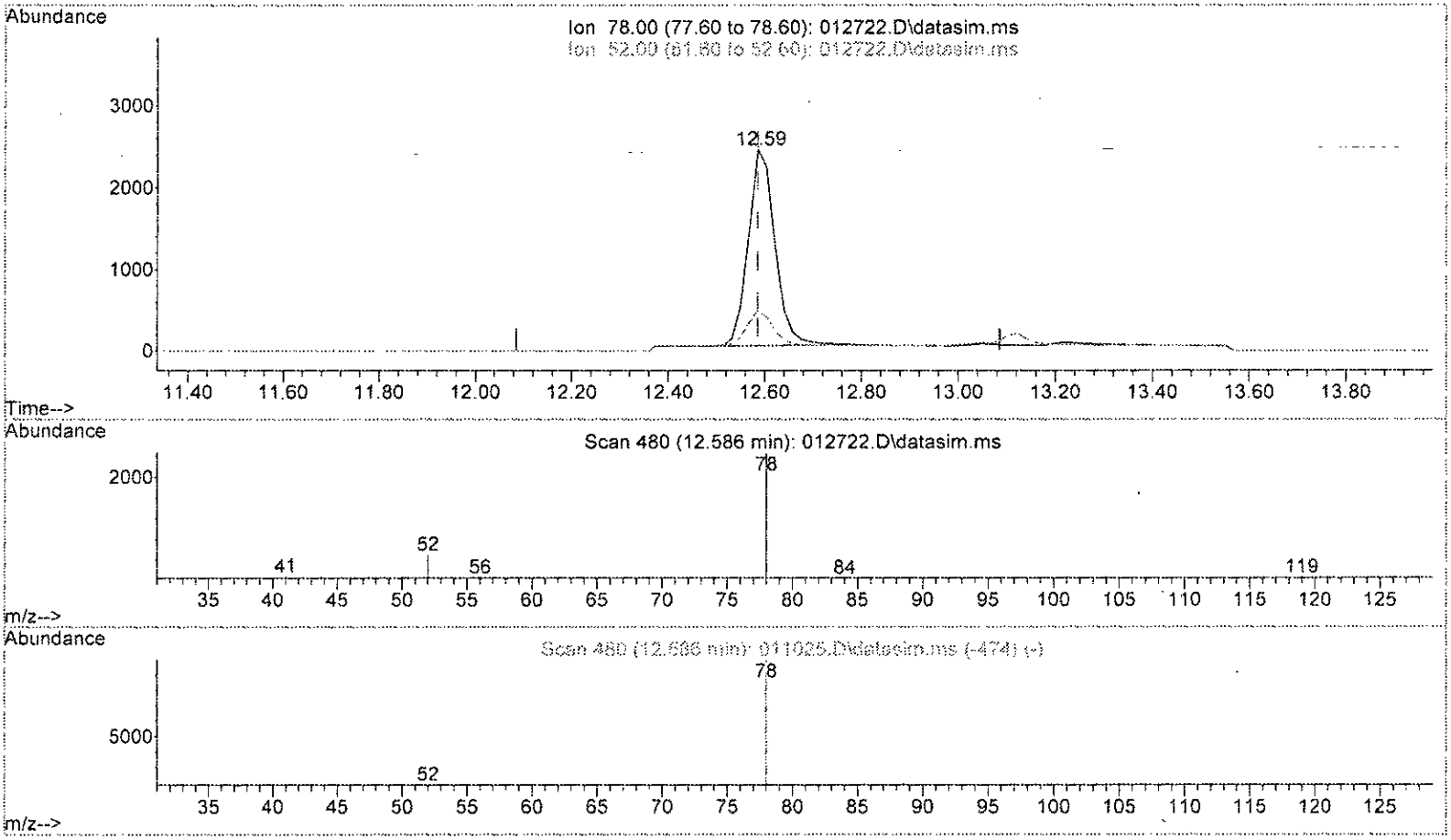
response 10151

Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	18.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(37) Benzene (TMP)

12.586min (-0.000) 0.211 ppbv m

response 9221

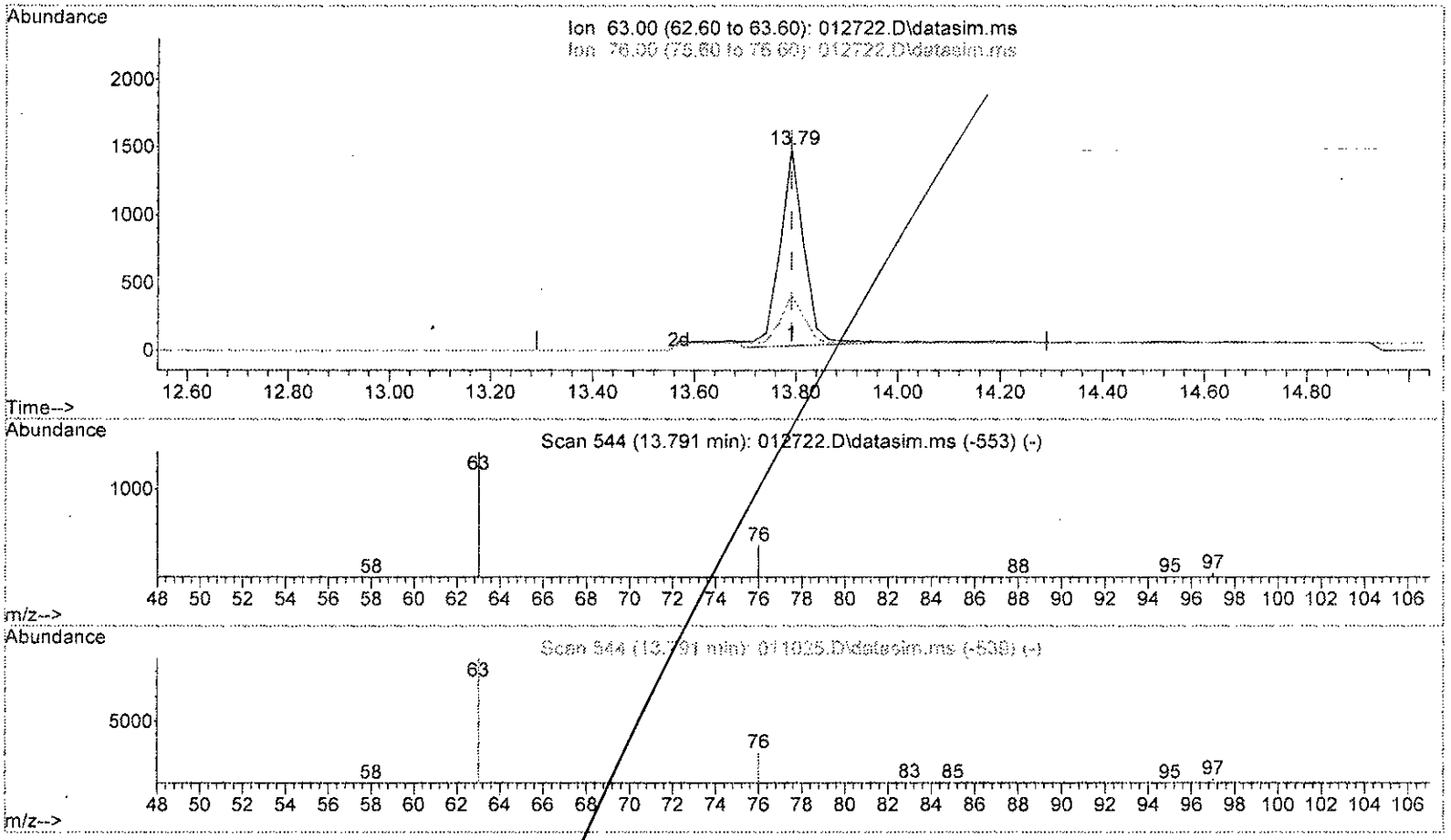
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	20.19
0.00	0.00	0.00
0.00	0.00	0.00

1/30/24

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (0.000) 0.244 ppbv

response 4770

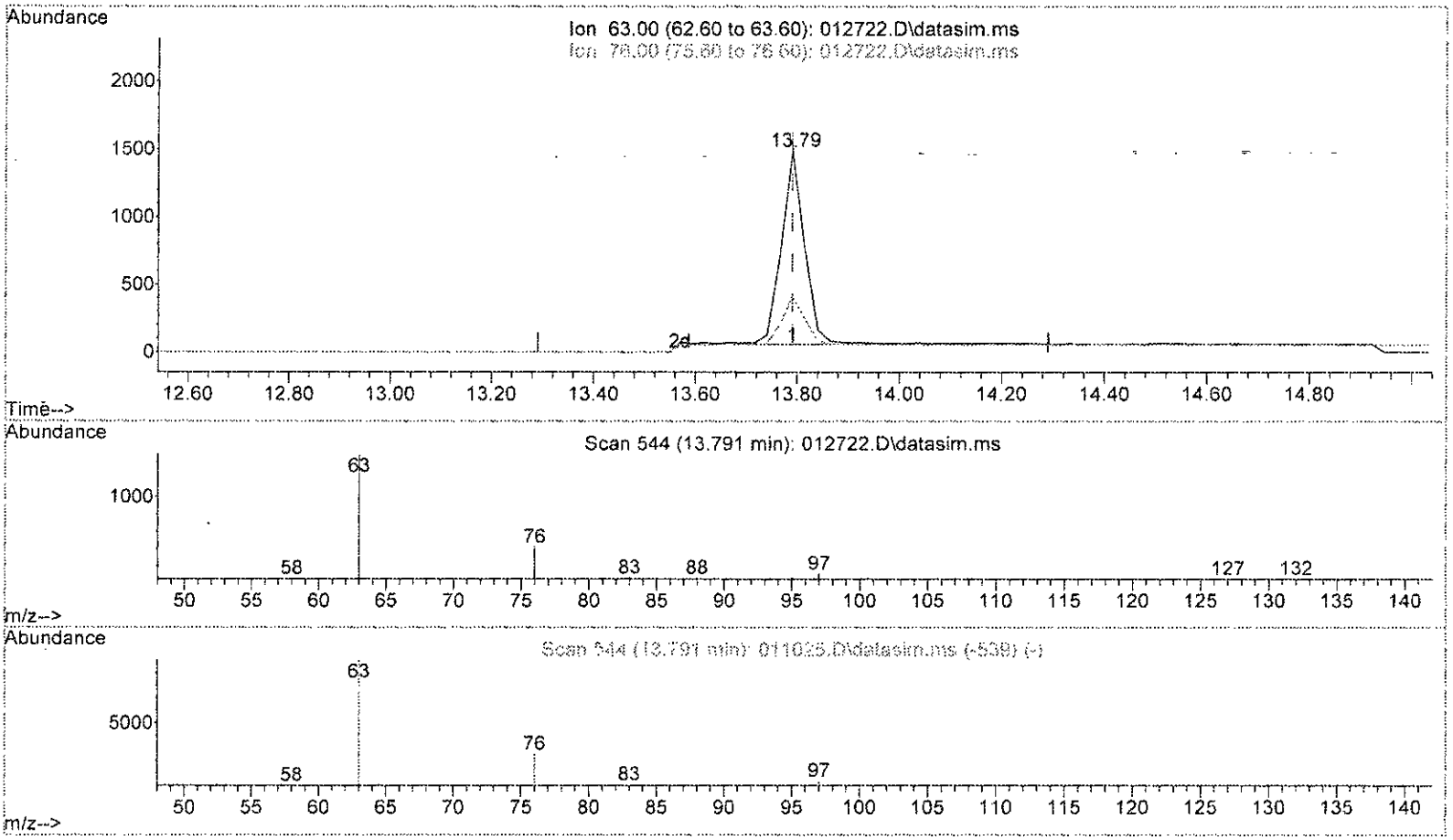
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	25.33
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (0.000) 0.226 ppbv m

response 4418

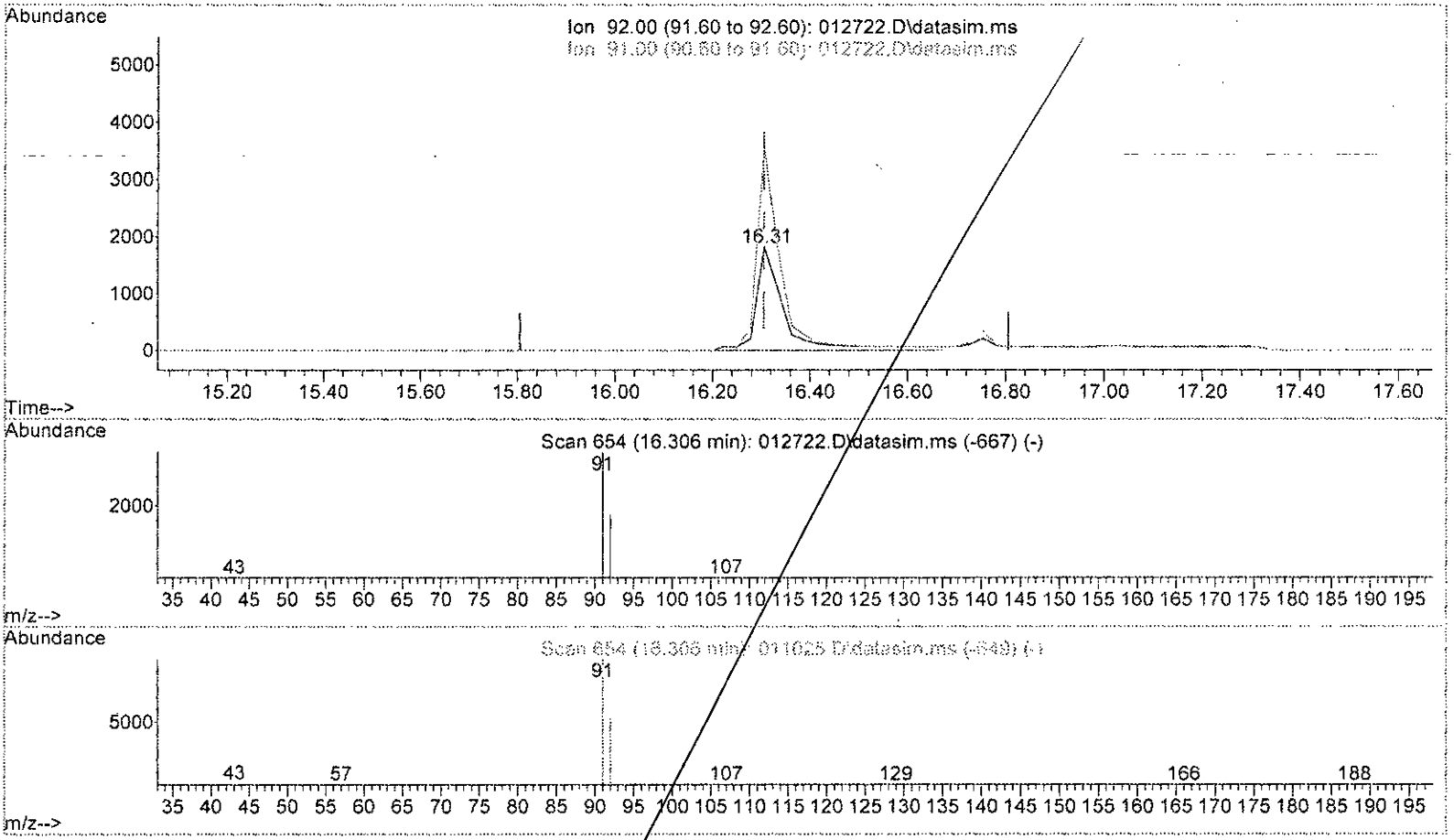
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	27.96
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(50) Toluene (TMP)
16.306min (+ 0.000) 0.281 ppbv
response 7247

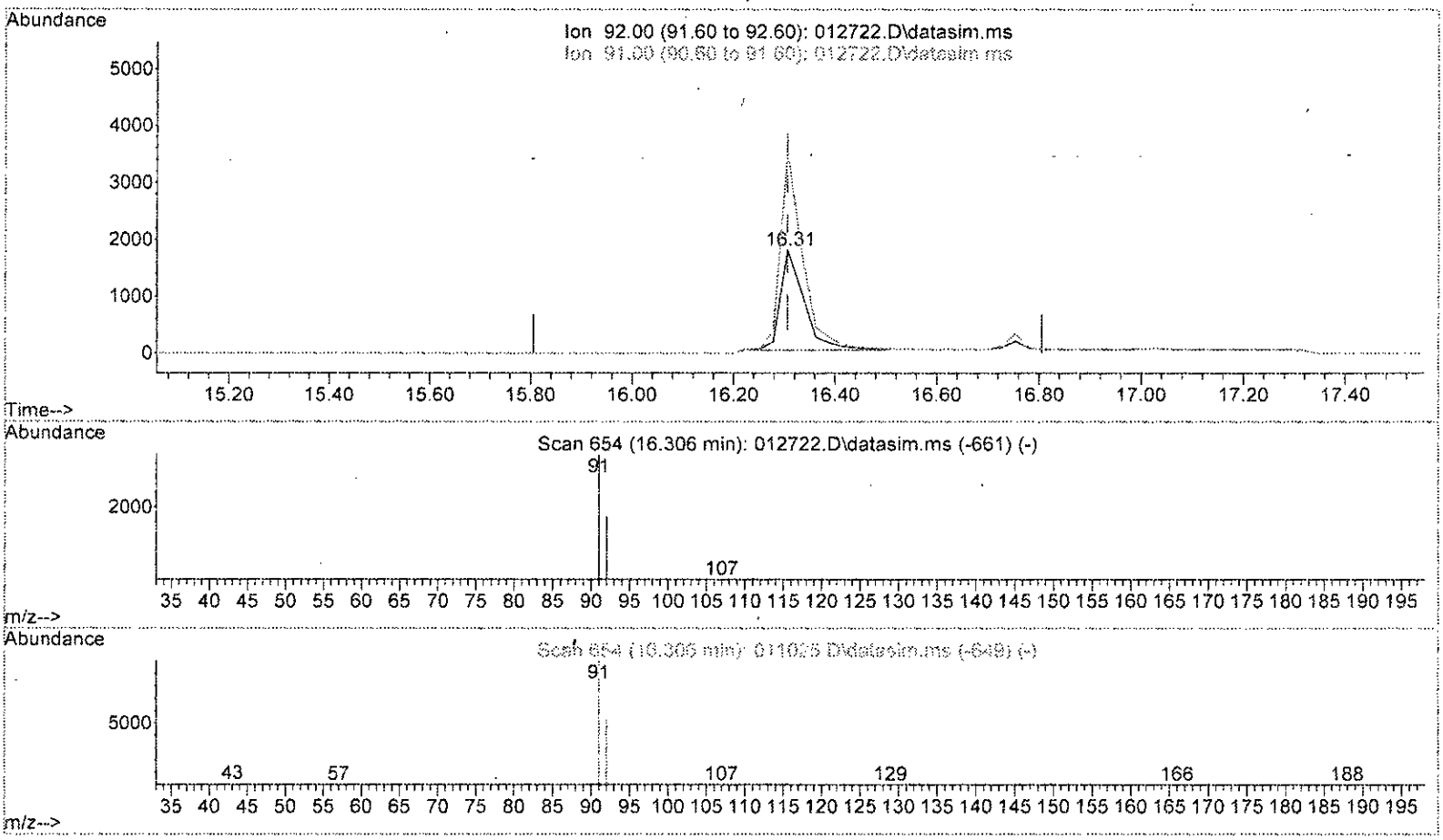
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	194.49
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(50) Toluene (TMP)

16.306min (+ 0.000) 0.223 ppbv m

response 5760

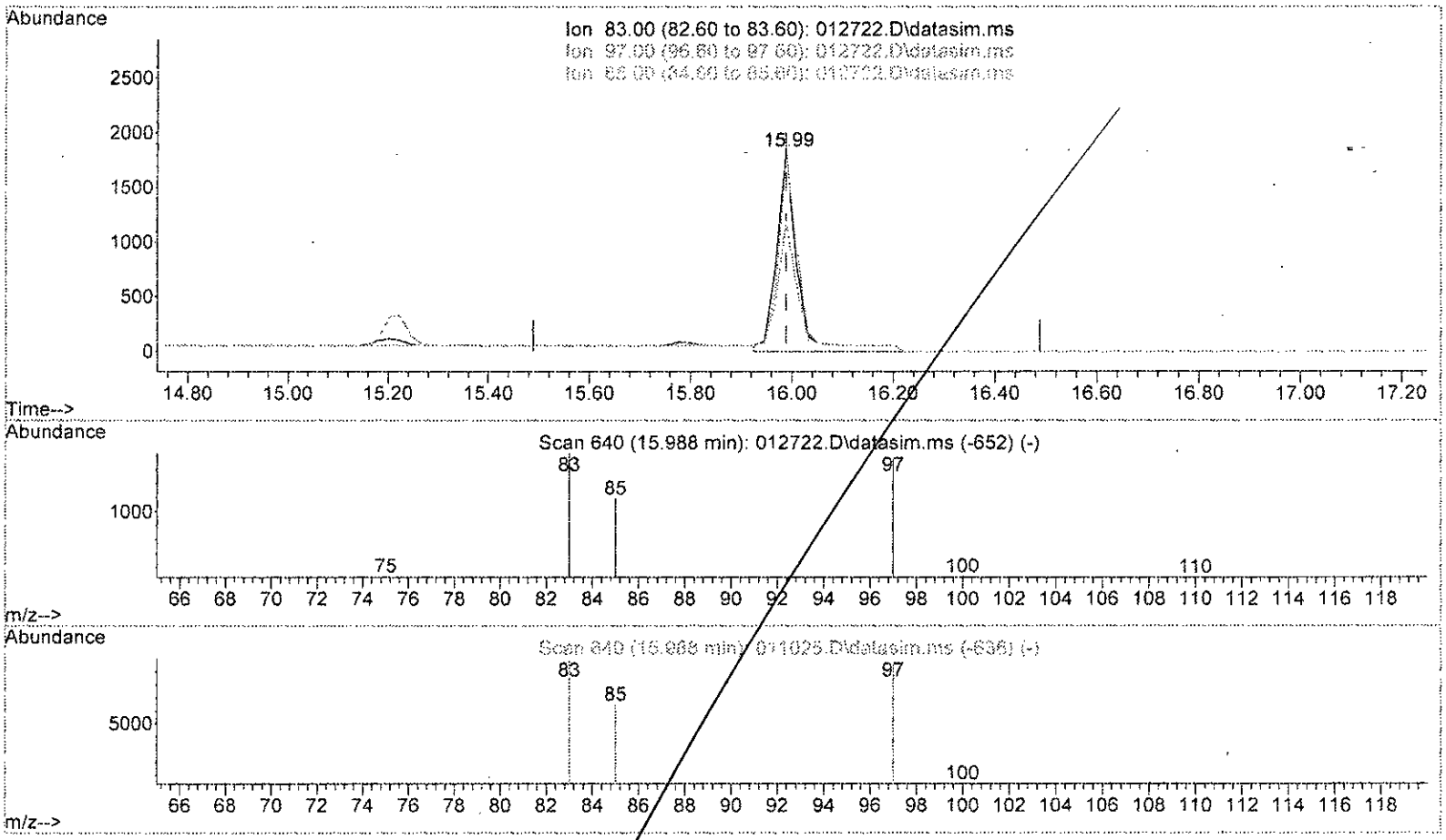
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	194.49
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.275 ppbv

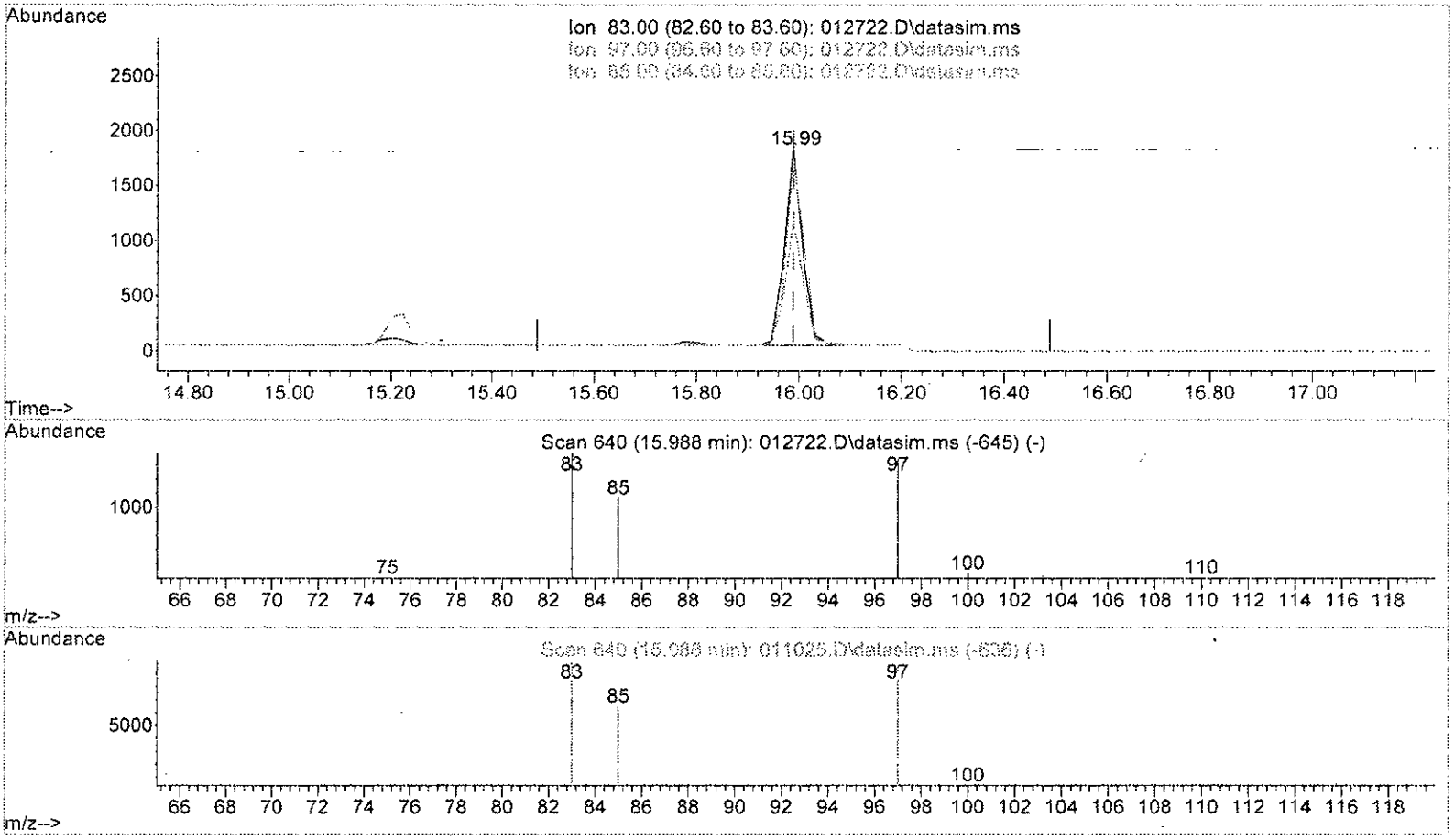
response 5258

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	95.53
85.00	60.50	64.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.225 ppbv m

response 4293

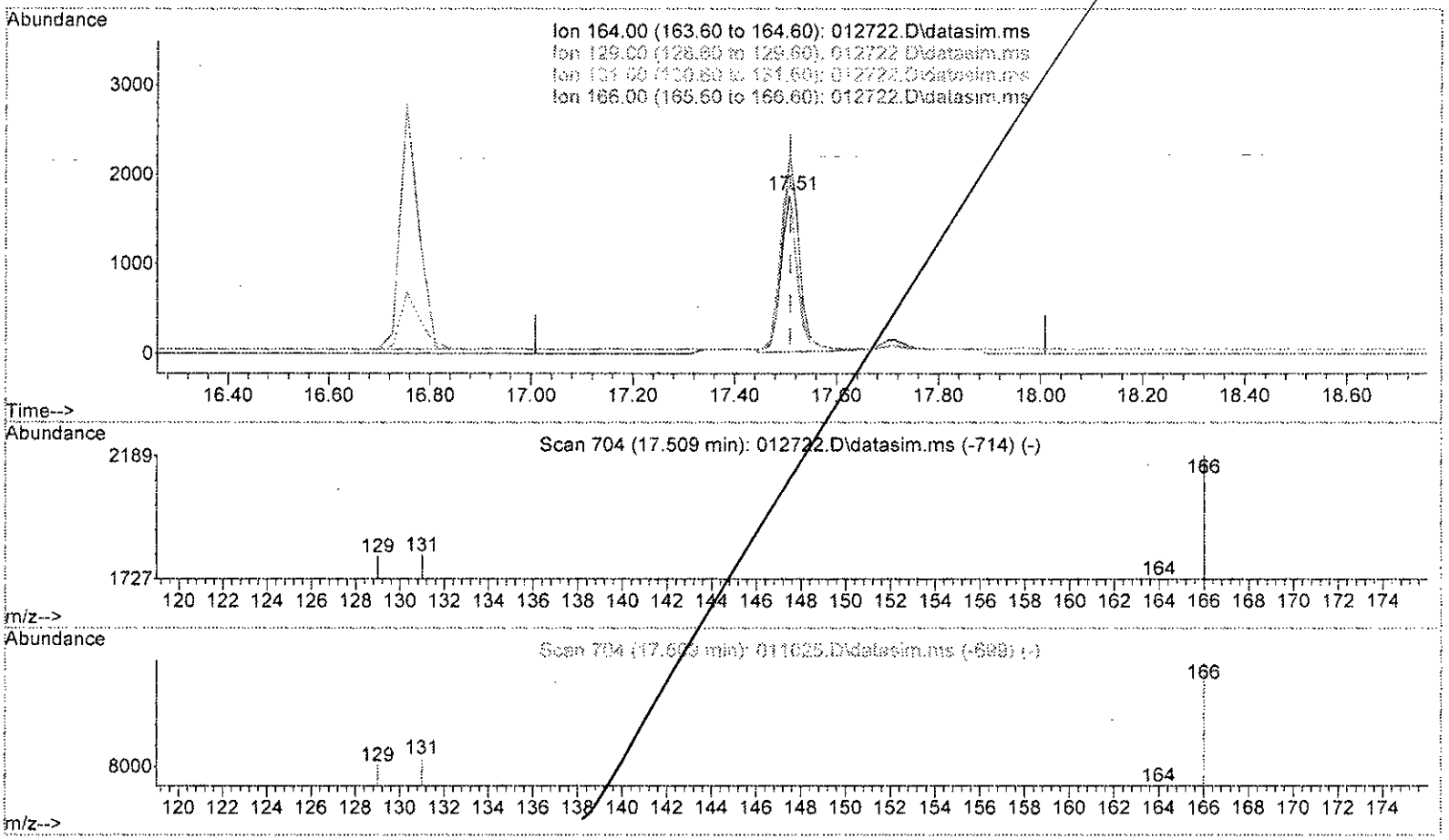
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	95.53
85.00	60.50	64.70
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(53) Tetrachloroethene (TMP)

17.509min (-0.000) 0.249 ppbv

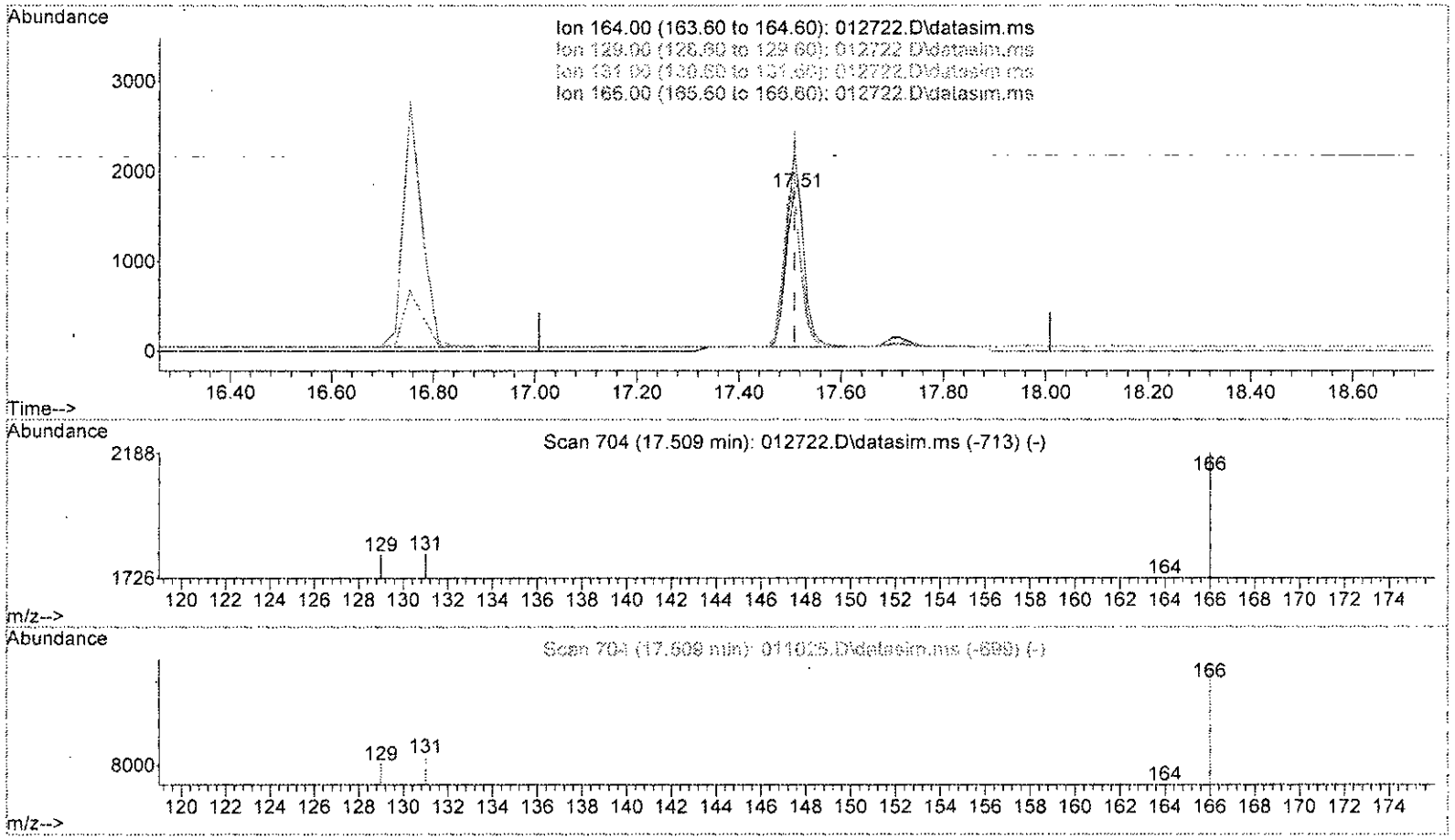
response 4135

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	104.86
131.00	100.70	105.03
166.00	137.50	126.84

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(53) Tetrachloroethene (TMP)

17.509min (-0.000) 0.230 ppbv m

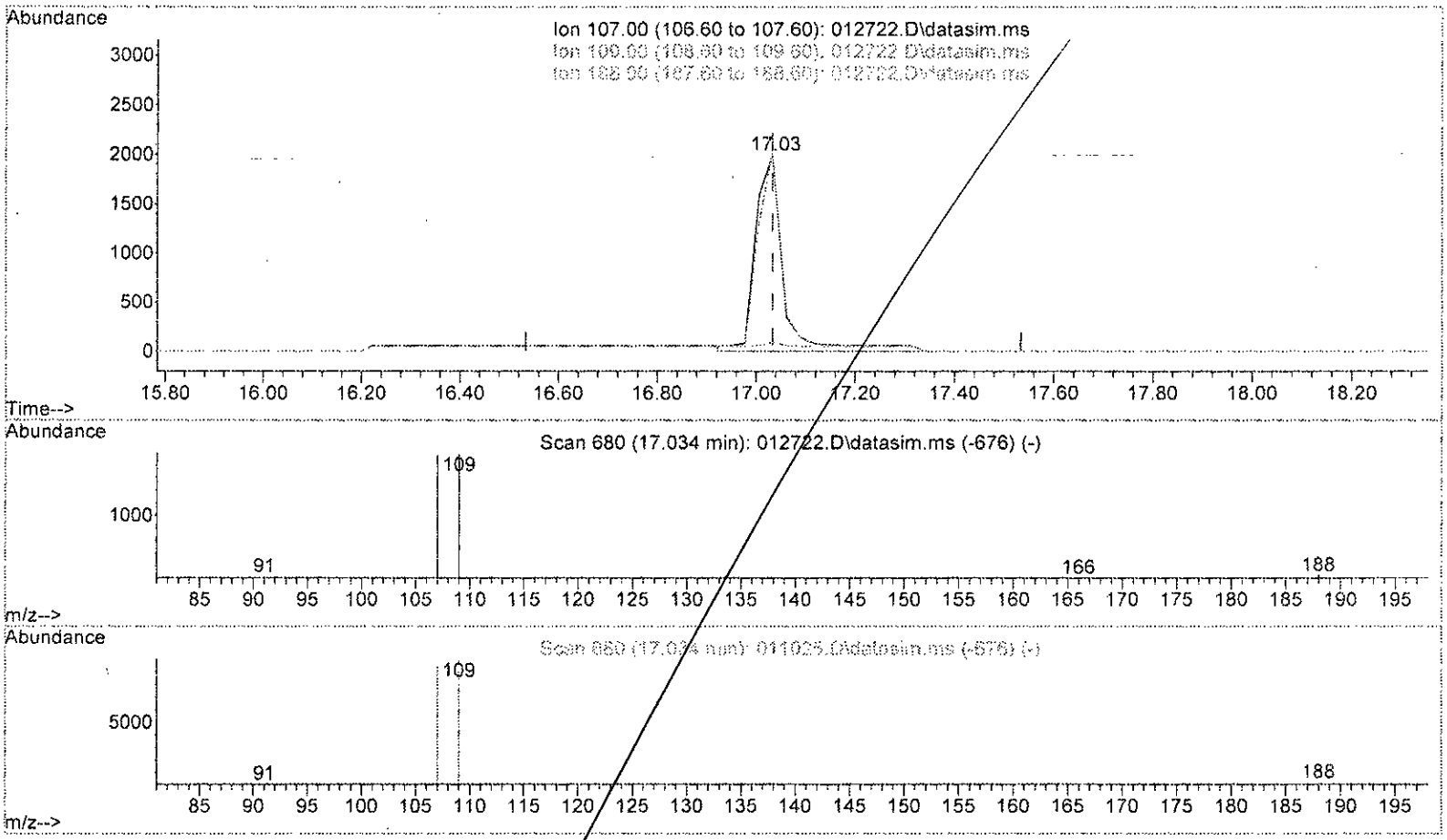
response 3827

Ion	Exp%	Act%
164.00	100.00	100.00
129.00	93.20	104.72
131.00	100.70	105.00
166.00	137.50	126.03

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.263 ppbv

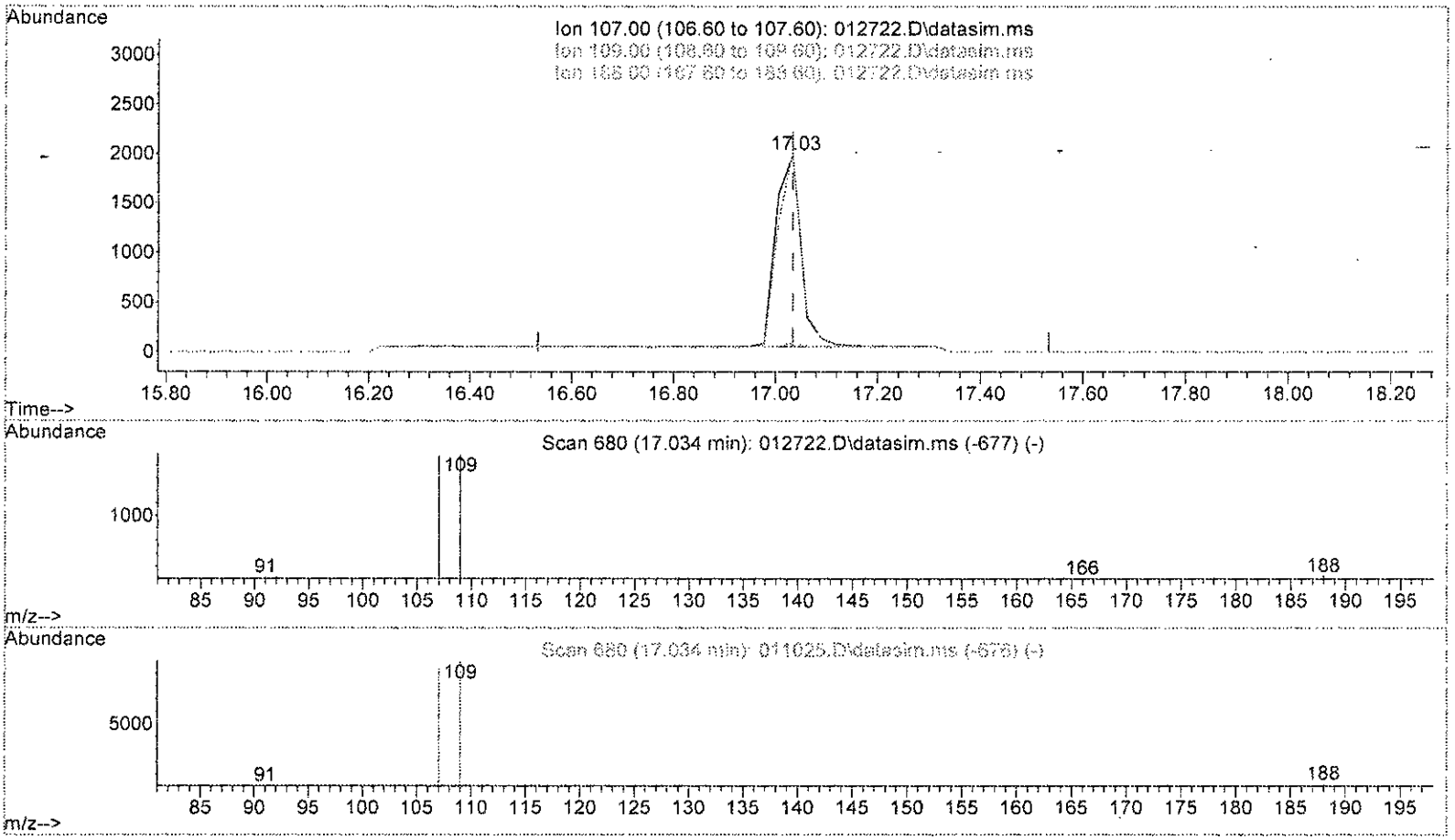
response 7610

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.91
188.00	2.70	4.56
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.228 ppbv m

response 6613

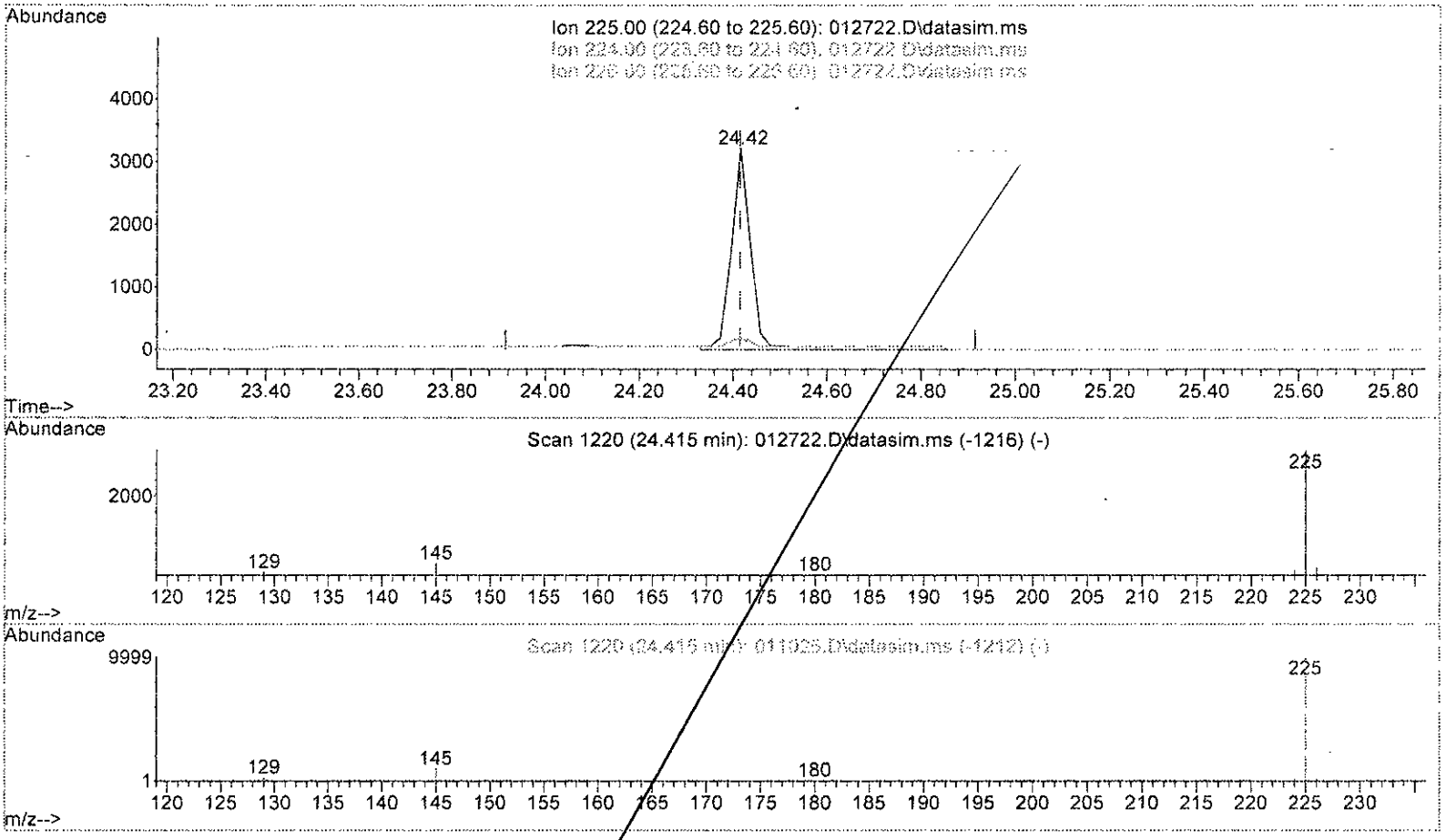
Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	101.91
188.00	2.70	4.56
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.322 ppbv

response 9654

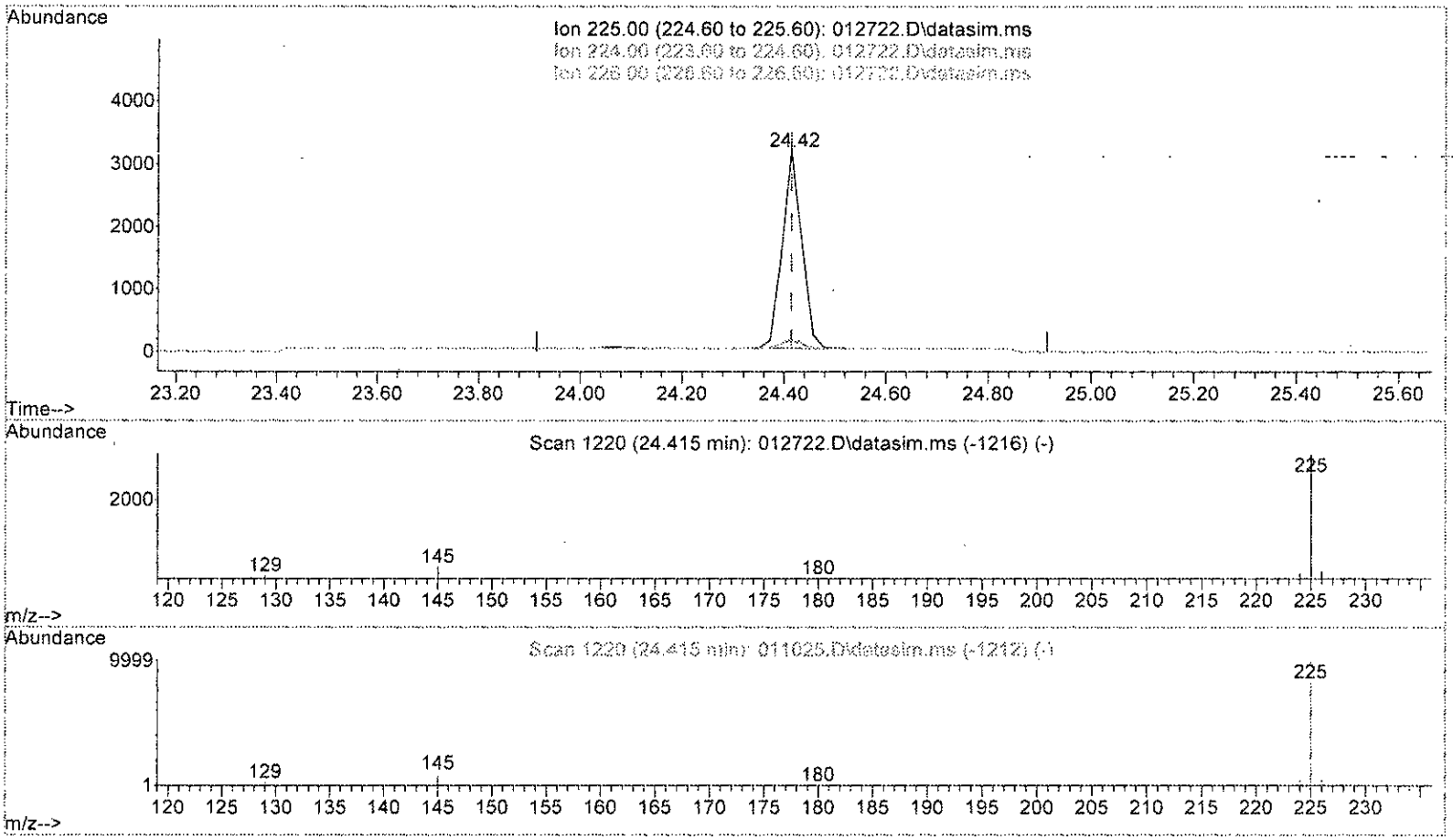
Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	5.77
226.00	5.20	6.92
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012722.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.278 ppbv m

response 8330

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	5.77
226.00	5.20	6.92
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	82000	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	351693	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	292615	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	182384	9.380	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	2701	0.235	ppbv	#	62
3) Dichlorodifluoromethane	3.49	85	7403	0.221	ppbv		87
4] Chloromethane	3.69	50	2916m	0.212	ppbv		
5) F-114	3.84	85	7970	0.233	ppbv		98
6] Vinyl chloride	4.05	62	3088	0.220	ppbv		99
7] 1,3-Butadiene	4.17	54	1857	0.210	ppbv	#	79
8) Butane	0.00		0	N.D.	d		
9) Bromomethane	4.60	94	3562	0.256	ppbv		83
10] Chloroethane	4.80	64	1142m	0.220	ppbv		
11] Vinyl bromide	5.26	106	2743m	0.211	ppbv		
12) Ethanol	0.00		0	N.D.	d		
13] Acrolein	5.36	56	810m	0.188	ppbv		
14) Pentane	0.00		0	N.D.	d		
15) Trichlorofluoromethane	5.78	101	7938	0.217	ppbv		84
16) Acetone	0.00		0	N.D.	d		
17) 2-Propanol	0.00		0	N.D.	d		
18] 1,1-Dichloroethene	6.60	96	2794	0.224	ppbv		91
19] trans-1,2-Dichloroethene	8.07	96	2780	0.226	ppbv	#	72
20) Methylene chloride	0.00		0	N.D.	d		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
22) 3-Chloropropene	6.91	41	3152	0.201	ppbv		94
23) CFC-113	7.12	101	6468	0.233	ppbv		85
24) Carbon disulfide	0.00		0	N.D.	d		
25) Methyl t-butyl ether (...	8.41	73	5935	0.228	ppbv		72
26) Vinyl acetate	0.00		0	N.D.	d		
27] 1,1-Dichloroethane	8.33	63	5870	0.223	ppbv		98
28] cis-1,2-Dichloroethene	9.60	96	2968	0.222	ppbv		90
29) Hexane	0.00		0	N.D.	d		
30] Chloroform	10.07	83	6920	0.224	ppbv		98
31) Ethyl acetate	0.00		0	N.D.	d		
32) Tetrahydrofuran	10.76	42	3012	0.198	ppbv		100
33) 2-Butanone (MEK)	8.91	72	732	0.166	ppbv	#	89
34] 1,2-Dichloroethane (EDC)	11.32	62	4305m	0.222	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	5904m	0.228	ppbv		
36] Carbon tetrachloride	12.84	117	5924	0.218	ppbv		99
37] Benzene	12.59	78	9221m	0.211	ppbv		
38) Cyclohexane	0.00		0	N.D.	d		
40] 1,2-Dichloropropane	13.79	63	4418m	0.226	ppbv		

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

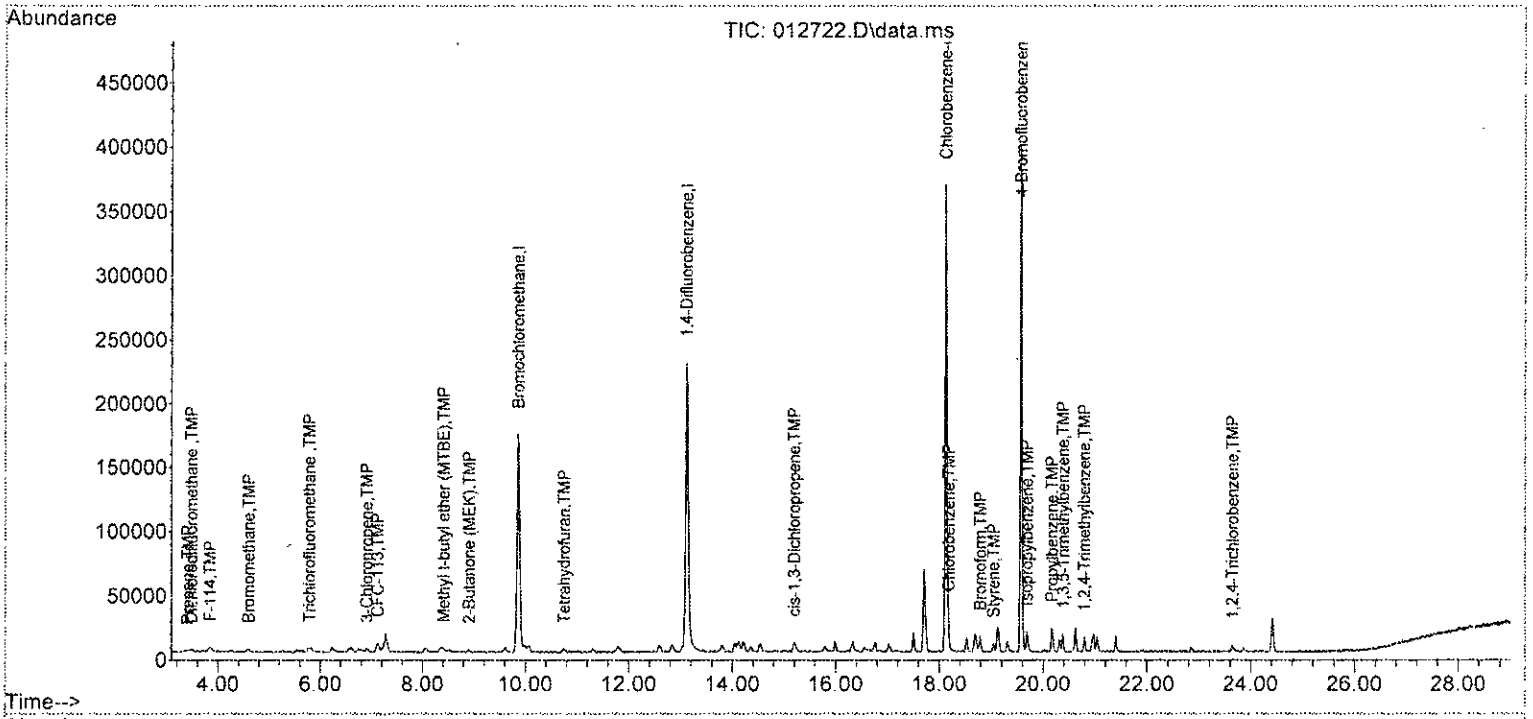
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.09	88	1925	0.236	ppbv	97
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45] Bromodichloromethane	14.04	83	7116	0.224	ppbv	97
46] Trichloroethene	14.11	95	4649	0.228	ppbv	81
47) cis-1,3-Dichloropropene	15.20	75	4205	0.190	ppbv	85
48) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
49] trans-1,3-Dichloropropene	15.78	75	4392	0.211	ppbv	88
50] Toluene	16.31	92	5760m	0.223	ppbv	
51] 1,1,2-Trichloroethane	15.99	83	4293m	0.225	ppbv	
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.51	164	3827m	0.230	ppbv	
54] Dibromochloromethane	16.75	129	6994	0.218	ppbv	98
55] 1,2-Dibromoethane (EDB)	17.03	107	6613m	0.228	ppbv	
57) Chlorobenzene	18.18	112	8745	0.260	ppbv	94
58] Ethylbenzene	18.52	91	12017	0.210	ppbv	97
59] 1,1,2,2-Tetrachloroethane	19.11	83	11082	0.245	ppbv	90
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	19.69	105	12387	0.227	ppbv	97
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	20.17	91	20375	0.203	ppbv	93
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65] m,p-Xylene	18.70	106	7758	0.414	ppbv	99
66] o-Xylene	19.15	106	3965	0.213	ppbv	100
67) Styrene	19.04	104	4600	0.187	ppbv	90
68) Bromoform	18.79	173	7220	0.232	ppbv	95
70] Benzyl chloride	20.94	91	6360	0.201	ppbv	99
71) 1,3,5-Trimethylbenzene	20.38	105	8987	0.200	ppbv	95
72) 1,2,4-Trimethylbenzene	20.79	105	7232	0.185	ppbv	92
73] 1,3-Dichlorobenzene	20.97	146	6388	0.215	ppbv	98
74] 1,4-Dichlorobenzene	21.04	146	5738	0.211	ppbv	97
75] 1,2-Dichlorobenzene	21.41	146	6810	0.224	ppbv	95
76) 1,2,4-Trichlorobenzene	23.64	180	2285	0.215	ppbv	76
77] Naphthalene	23.84	128	5033	0.263	ppbv	99
78] Hexachlorobutadiene	24.42	225	8330m	0.278	ppbv	

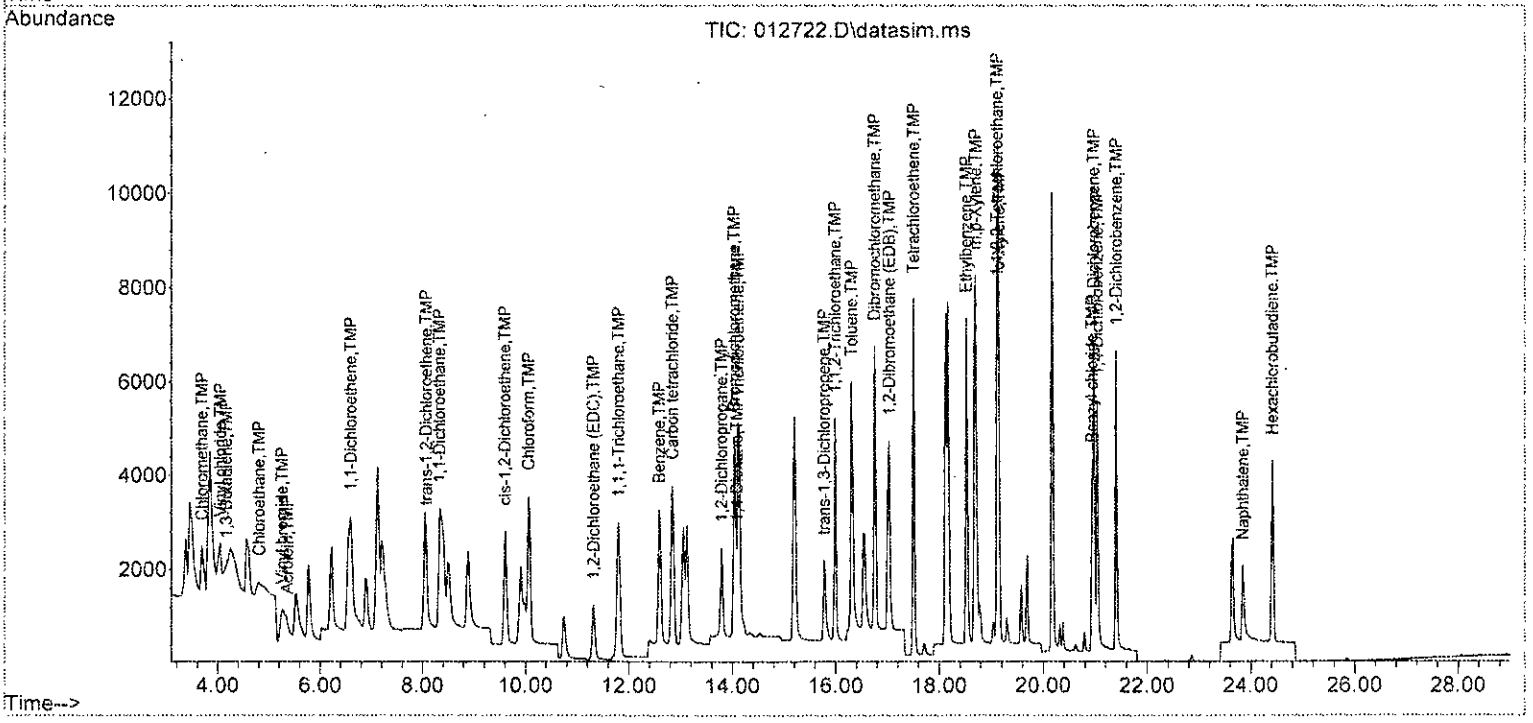
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.200	0.235	-17.5	100	0.00
3	TMP	Dichlorodifluoromethane	0.200	0.221	-10.5	100	0.00
4	TMP	Chloromethane	0.200	0.212	-6.0	97	0.00
5	TMP	F-114	0.200	0.233	-16.5	100	0.00
6	TMP	Vinyl chloride	0.200	0.220	-10.0	100	0.00
7	TMP	1,3-Butadiene	0.200	0.210	-5.0	100	0.00
8	TMP	Butane	-1.000	0.000	0.0	0	-4.28#
9	TMP	Bromomethane	0.200	0.256	-28.0	100	0.00
10	TMP	Chloroethane	0.200	0.220	-10.0	104	0.00
11	TMP	Vinyl bromide	0.200	0.211	-5.5	98	-0.02
12	TMP	Ethanol	-1.000	0.000	0.0	0	-4.92#
13	TMP	Acrolein	0.200	0.188	6.0	101	-0.02
14	TMP	Pentane	-1.000	0.000	0.0	0	-6.22#
15	TMP	Trichlorofluoromethane	0.200	0.217	-8.5	100	-0.02
16	TMP	Acetone	-1.000	0.000	0.0	0	-5.53#
17	TMP	2-Propanol	-1.000	0.000	0.0	0	-5.76#
18	TMP	1,1-Dichloroethene	0.200	0.224	-12.0	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.200	0.226	-13.0	100	0.00
20	TMP	Methylene chloride	-1.000	0.000	0.0	0	-6.78#
21	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-6.54#
22	TMP	3-Chloropropene	0.200	0.201	-0.5	100	0.00
23	TMP	CFC-113	0.200	0.233	-16.5	100	0.00
24	TMP	Carbon disulfide	-1.000	0.000	0.0	0	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	0.200	0.228	-14.0	100	0.00
26	TMP	Vinyl acetate	-1.000	0.000	0.0	0	-8.51#
27	TMP	1,1-Dichloroethane	0.200	0.223	-11.5	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.200	0.222	-11.0	100	0.00
29	TMP	Hexane	-1.000	0.000	0.0	0	-9.99#
30	TMP	Chloroform	0.200	0.224	-12.0	100	0.00
31	TMP	Ethyl acetate	-1.000	0.000	0.0	0	-9.90#
32	TMP	Tetrahydrofuran	0.200	0.198	1.0	100	0.03
33	TMP	2-Butanone (MEK)	0.200	0.166	17.0	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	0.200	0.222	-11.0	100	0.00
35	TMP	1,1,1-Trichloroethane	0.200	0.228	-14.0	101	0.00
36	TMP	Carbon tetrachloride	0.200	0.218	-9.0	100	0.00
37	TMP	Benzene	0.200	0.211	-5.5	98	0.00
38	TMP	Cyclohexane	-1.000	0.000	0.0	0	-13.05#
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.200	0.226	-13.0	102	0.00
41	TMP	1,4-Dioxane	0.200	0.236	-18.0	100	0.02
42	TMP	2,2,4-Trimethylpentane	-1.000	0.000	0.0	0	-14.20#
43	TMP	Methyl methacrylate	-1.000	0.000	0.0	0	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	-1.000	0.000	0.0	0	-14.52#
45	TMP	Bromodichloromethane	0.200	0.224	-12.0	100	0.00
46	TMP	Trichloroethene	0.200	0.228	-14.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.200	0.190	5.0	100	0.02
48	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.200	0.211	-5.5	100	0.00
50	TMP	Toluene	0.200	0.223	-11.5	97	0.00
51	TMP	1,1,2-Trichloroethane	0.200	0.225	-12.5	99	0.00
52	TMP	2-Hexanone	-1.000	0.000	0.0	0	-16.55#
53	TMP	Tetrachloroethene	0.200	0.230	-15.0	96	0.00
54	TMP	Dibromochloromethane	0.200	0.218	-9.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.200	0.228	-14.0	99	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.200	0.260	-30.0	100	0.02
58	TMP	Ethylbenzene	0.200	0.210	-5.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.200	0.245	-22.5	100	0.00
60	TMP	Nonane	-1.000	0.000	0.0	0	-19.30#
61	TMP	Isopropylbenzene	0.200	0.227	-13.5	100	0.00
62	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-20.16#
63	TMP	Propylbenzene	0.200	0.203	-1.5	100	0.00
64	TMP	4-Ethyltoluene	-1.000	0.000	0.0	0	-20.31#
65	TMP	m,p-Xylene	0.400	0.414	-3.5	100	0.00
66	TMP	o-Xylene	0.200	0.213	-6.5	100	0.00
67	TMP	Styrene	0.200	0.187	6.5	100	0.00
68	TMP	Bromoform	0.200	0.232	-16.0	100	0.00
69	S	4-Bromofluorobenzene	10.000	9.380	6.2	100	0.00
70	TMP	Benzyl chloride	0.200	0.201	-0.5	100	0.01
71	TMP	1,3,5-Trimethylbenzene	0.200	0.200	0.0	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.200	0.185	7.5	100	0.00
73	TMP	1,3-Dichlorobenzene	0.200	0.215	-7.5	100	0.00
74	TMP	1,4-Dichlorobenzene	0.200	0.211	-5.5	99	0.01
75	TMP	1,2-Dichlorobenzene	0.200	0.224	-12.0	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.200	0.215	-7.5	100	0.00
77	TMP	Naphthalene	0.200	0.263	-31.5#	100	0.00
78	TMP	Hexachlorobutadiene	0.200	0.278	-39.0#	99	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.647	-28.1	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.514	-10.6	100	0.00
4	TMP	Chloromethane	1.676	1.778	-6.1	97	0.00
5	TMP	F-114	4.169	4.860	-16.6	100	0.00
6	TMP	Vinyl chloride	1.712	1.883	-10.0	100	0.00
7	TMP	1,3-Butadiene	1.078	1.132	-5.0	100	0.00
8	TMP	Butane	2.051	0.000	100.0#	0#	-4.28#
9	TMP	Bromomethane	1.696	2.172	-28.1	100	0.00
10	TMP	Chloroethane	0.634	0.696	-9.8	104	0.00
11	TMP	Vinyl bromide	1.588	1.673	-5.4	98	-0.02
12	TMP	Ethanol	0.538	0.000	100.0#	0#	-4.92#
13	TMP	Acrolein	0.525	0.494	5.9	101	-0.02
14	TMP	Pentane	2.340	0.000#	100.0#	0#	-6.22#
15	TMP	Trichlorofluoromethane	4.468	4.840	-8.3	100	-0.02
16	TMP	Acetone	0.731	0.000#	100.0#	0#	-5.53#
17	TMP	2-Propanol	2.824	0.000	100.0#	0#	-5.76#
18	TMP	1,1-Dichloroethene	1.523	1.704	-11.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.695	-13.1	100	0.00
20	TMP	Methylene chloride	1.441	0.000#	100.0#	0#	-6.78#
21	TMP	t-Butyl alcohol (TBA)	2.364	0.000	100.0#	0#	-6.54#
22	TMP	3-Chloropropene	1.917	1.922	-0.3	100	0.00
23	TMP	CFC-113	3.382	3.944	-16.6	100	0.00
24	TMP	Carbon disulfide	4.899	0.000	100.0#	0#	-7.22#
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.619	-14.0	100	0.00
26	TMP	Vinyl acetate	3.532	0.000#	100.0#	0#	-8.51#
27	TMP	1,1-Dichloroethane	3.205	3.579	-11.7	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.810	-11.2	100	0.00
29	TMP	Hexane	2.044	0.000	100.0#	0#	-9.99#
30	TMP	Chloroform	3.767	4.220	-12.0	100	0.00
31	TMP	Ethyl acetate	3.512	0.000	100.0#	0#	-9.90#
32	TMP	Tetrahydrofuran	1.858	1.837	1.1	100	0.03
33	TMP	2-Butanone (MEK)	0.538	0.446	17.1	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.625	-11.0	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.600	-14.2	101	0.00
36	TMP	Carbon tetrachloride	3.318	3.612	-8.9	100	0.00
37	TMP	Benzene	5.322	5.623	-5.7	98	0.00
38	TMP	Cyclohexane	1.294	0.000	100.0#	0#	-13.05#
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.628	-13.2	102	0.00
41	TMP	1,4-Dioxane	0.232	0.274	-18.1	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.623	0.000	100.0#	0#	-14.20#
43	TMP	Methyl methacrylate	0.452	0.000	100.0#	0#	-14.35#

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012722.D
Acq On : 28 Jan 2023 7:28 am
Operator : bat
Sample : 0.2 ppbv TO15 68-108-5
Misc : T6
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 14:42:35 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

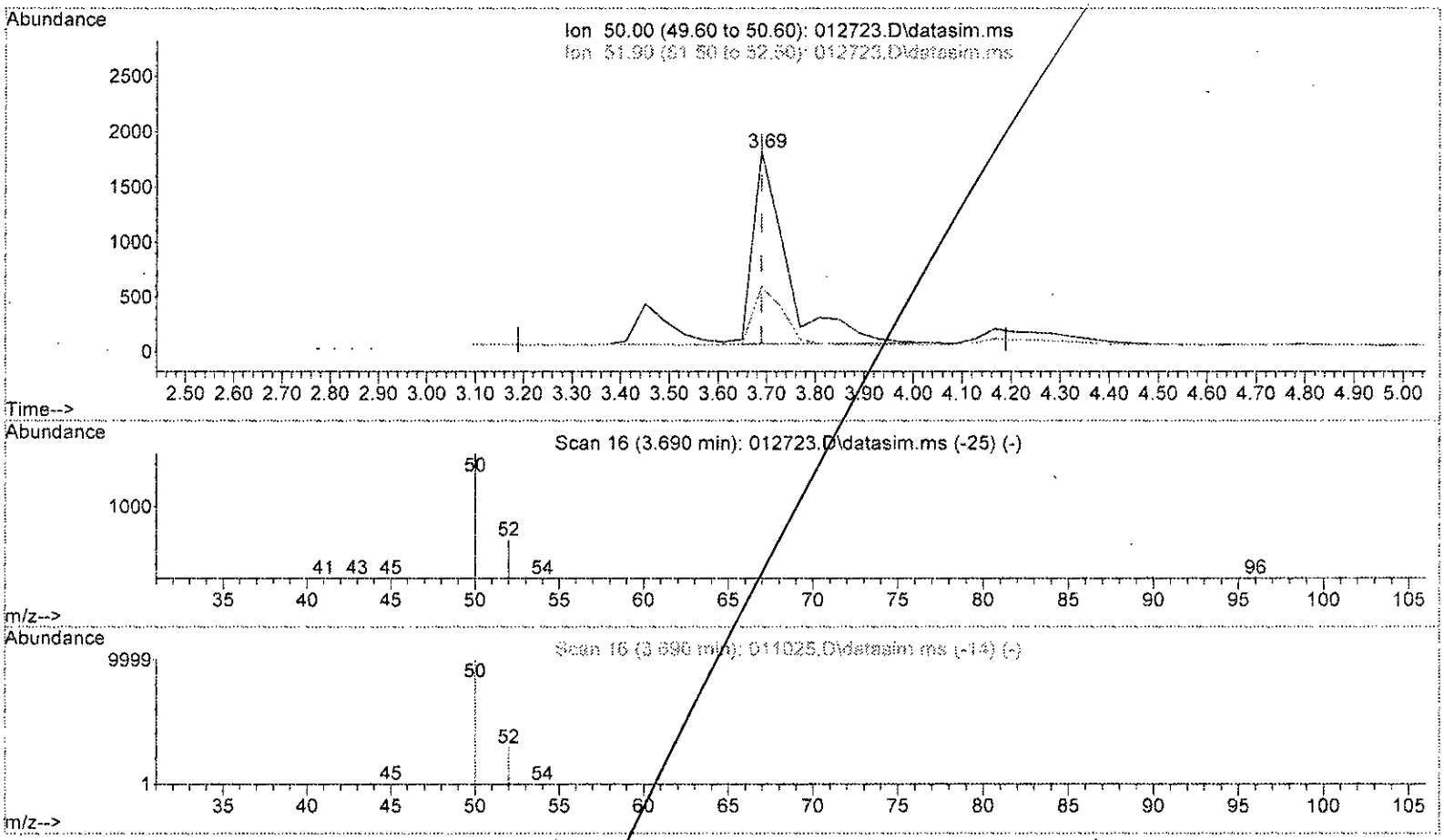
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.000	100.0#	0#	-14.52#
45	TMP	Bromodichloromethane	0.905	1.012	-11.8	100	0.00
46	TMP	Trichloroethene	0.579	0.661	-14.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.598	4.9	100	0.02
48	TMP	4-Methyl-2-pentanone	0.043	0.000	100.0#	0#	-15.22#
49	TMP	trans-1,3-Dichloropropene	0.592	0.624	-5.4	100	0.00
50	TMP	Toluene	0.734	0.819	-11.6	97	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.610	-12.3	99	0.00
52	TMP	2-Hexanone	0.755	0.000#	100.0#	0#	-16.55#
53	TMP	Tetrachloroethene	0.473	0.544	-15.0	96	0.00
54	TMP	Dibromochloromethane	0.912	0.994	-9.0	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.940	-14.2	99	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.494	-29.8	100	0.02
58	TMP	Ethylbenzene	1.957	2.053	-4.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.894	-22.6	100	0.00
60	TMP	Nonane	1.017	0.000	100.0#	0#	-19.30#
61	TMP	Isopropylbenzene	1.868	2.117	-13.3	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.000	100.0#	0#	-20.16#
63	TMP	Propylbenzene	3.426	3.482	-1.6	100	0.00
64	TMP	4-Ethyltoluene	1.627	0.000	100.0#	0#	-20.31#
65	TMP	m,p-Xylene	0.641	0.663	-3.4	100	0.00
66	TMP	o-Xylene	0.636	0.678	-6.6	100	0.00
67	TMP	Styrene	0.840	0.786	6.4	100	0.00
68	TMP	Bromoform	1.062	1.234	-16.2	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.623	6.3	100	0.00
70	TMP	Benzyl chloride	1.083	1.087	-0.4	100	0.01
71	TMP	1,3,5-Trimethylbenzene	1.539	1.536	0.2	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.236	7.3	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.092	-7.3	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.980	-5.3	99	0.01
75	TMP	1,2-Dichlorobenzene	1.040	1.164	-11.9	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.390	34.5#	100	0.00
77	TMP	Naphthalene	0.967	0.860	11.1	100	0.00
78	TMP	Hexachlorobutadiene	1.025	1.423	-38.8#	99	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 0.637 ppbv

response 8491

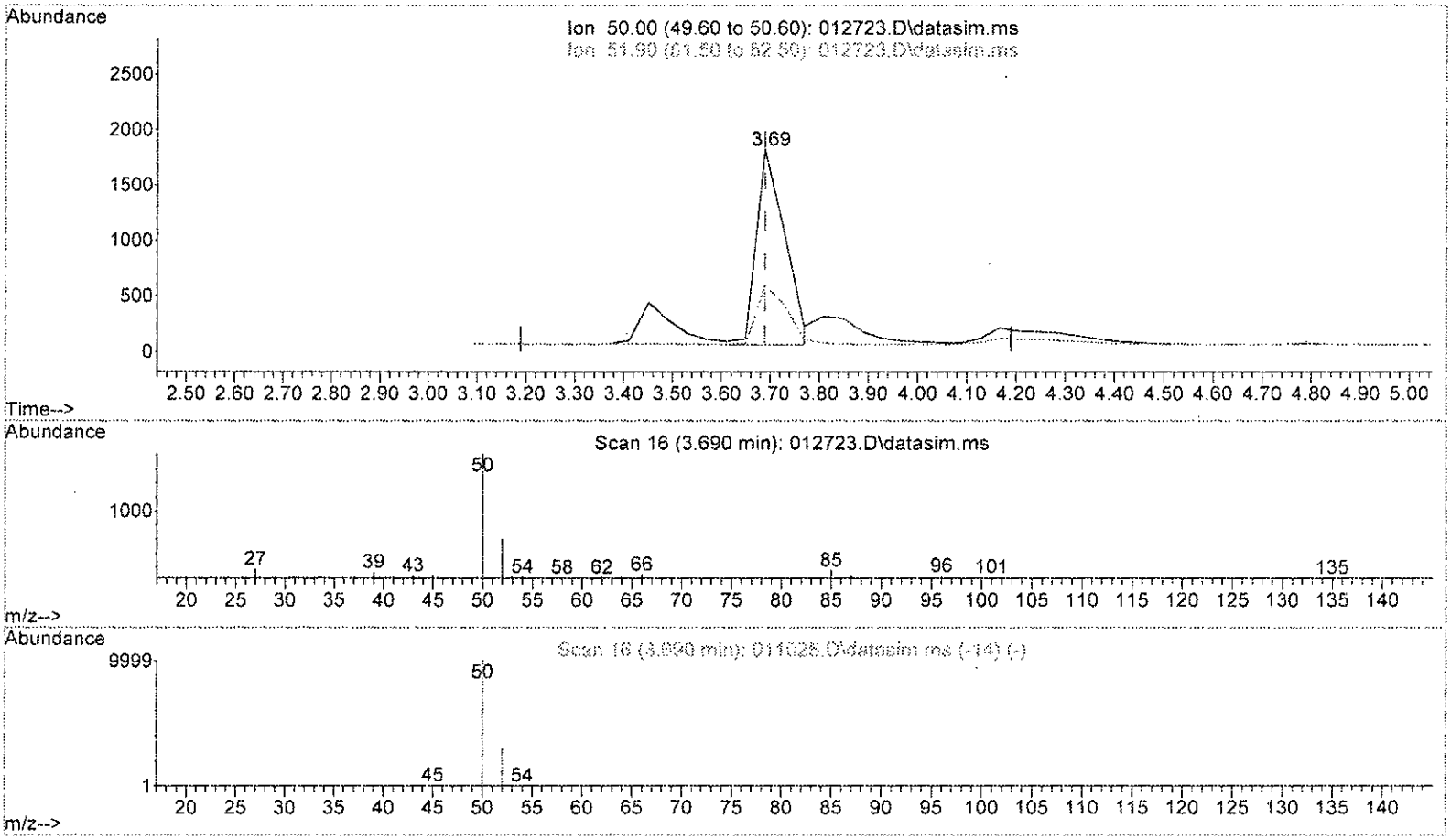
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.59
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 0.533 ppbv m

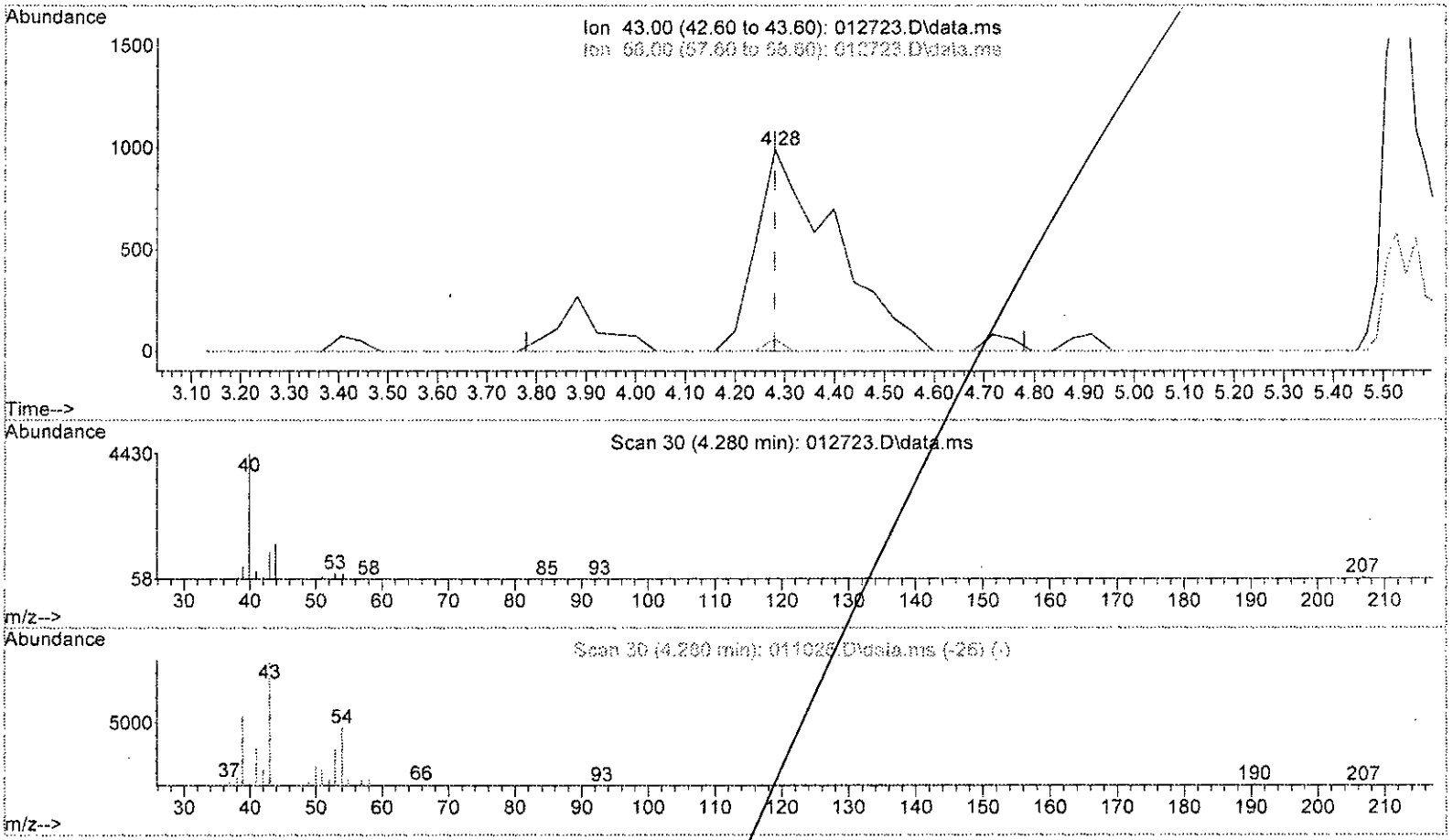
response 7103

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(8) Butane (TMP)

4.280min (+ 0.000) 0.666 ppbv

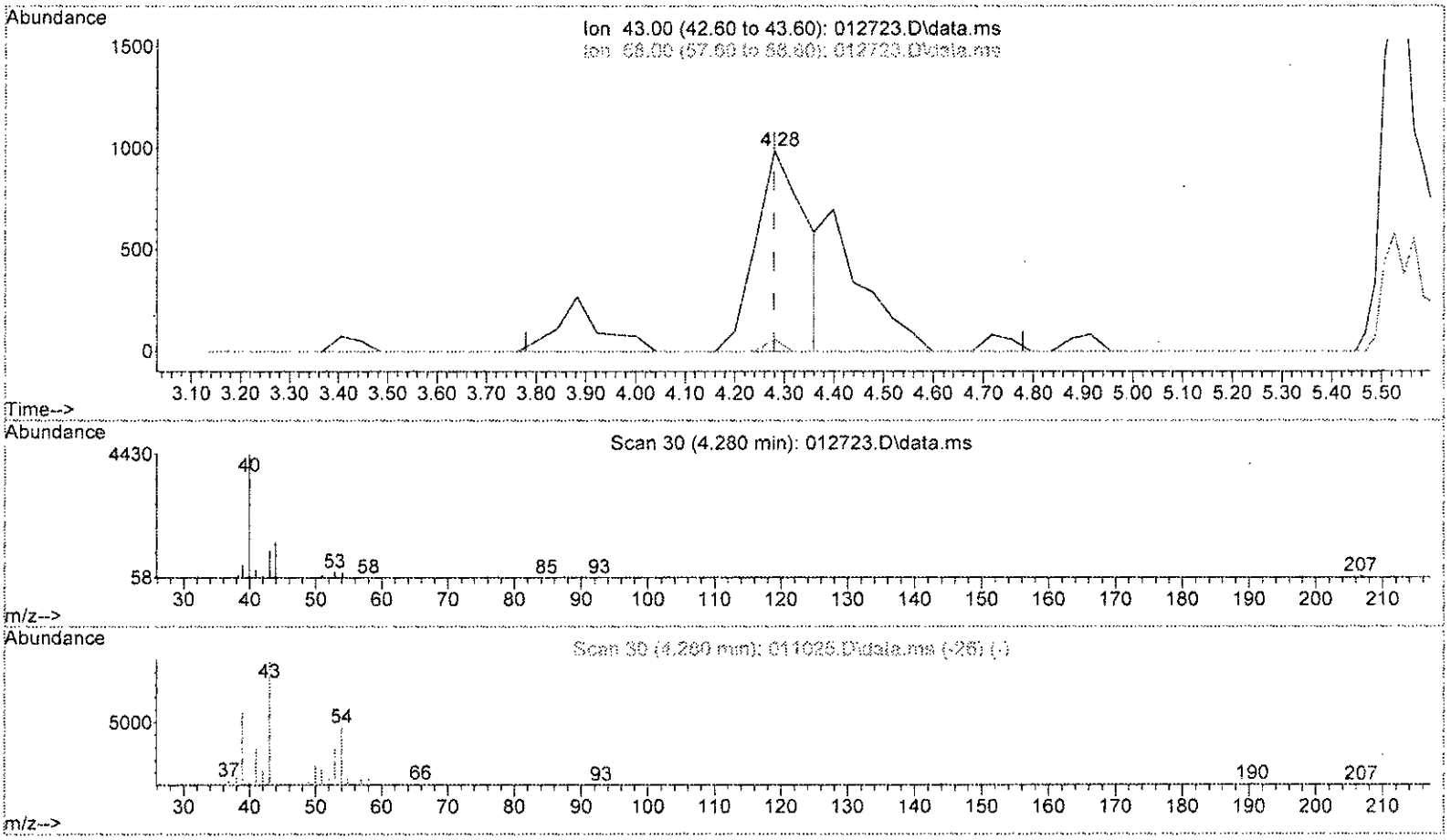
response 10863

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	6.90	1.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(8) Butane (TMP)

4.280min (+ 0.000) 0.435 ppbv m

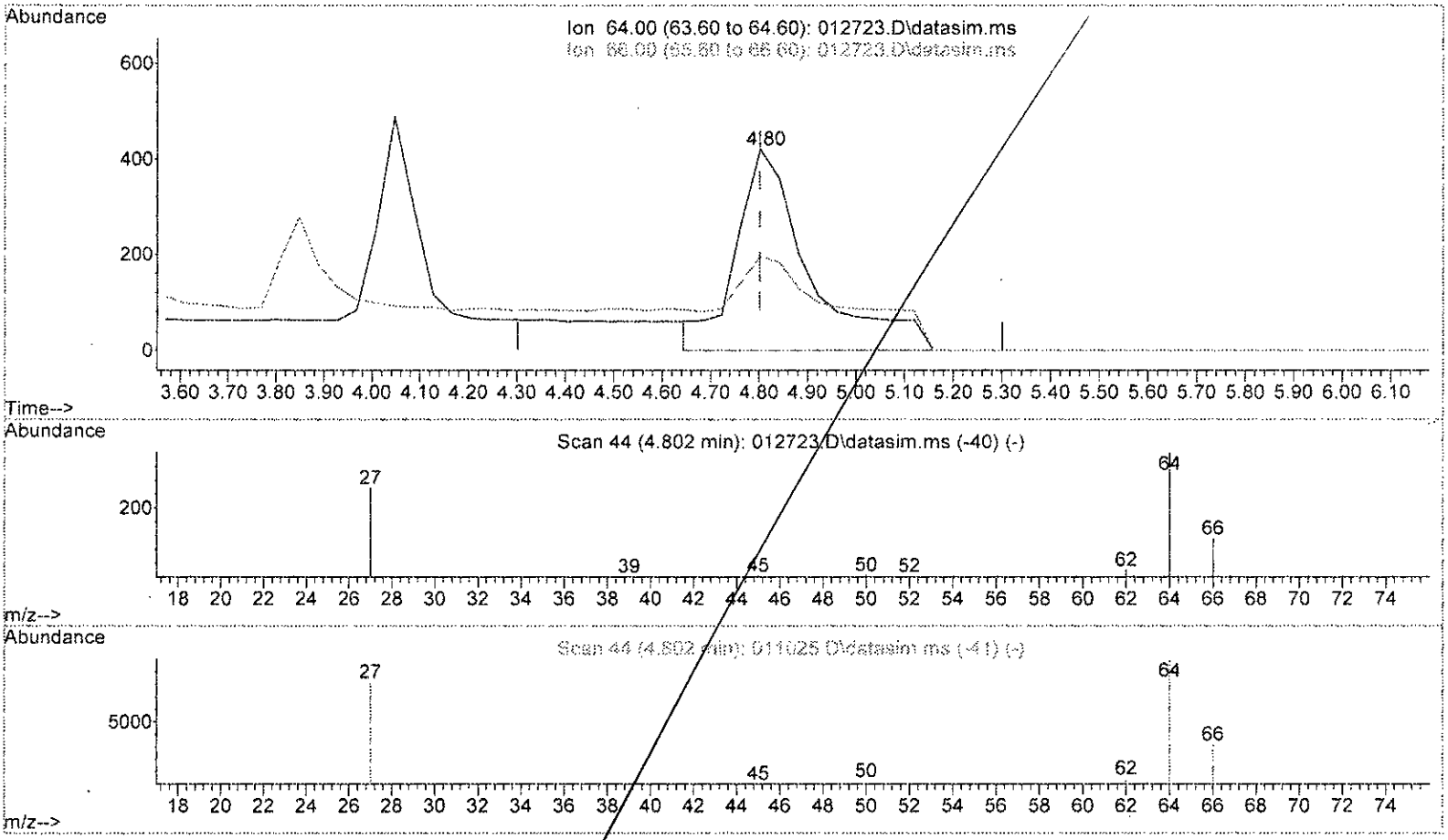
response 7088

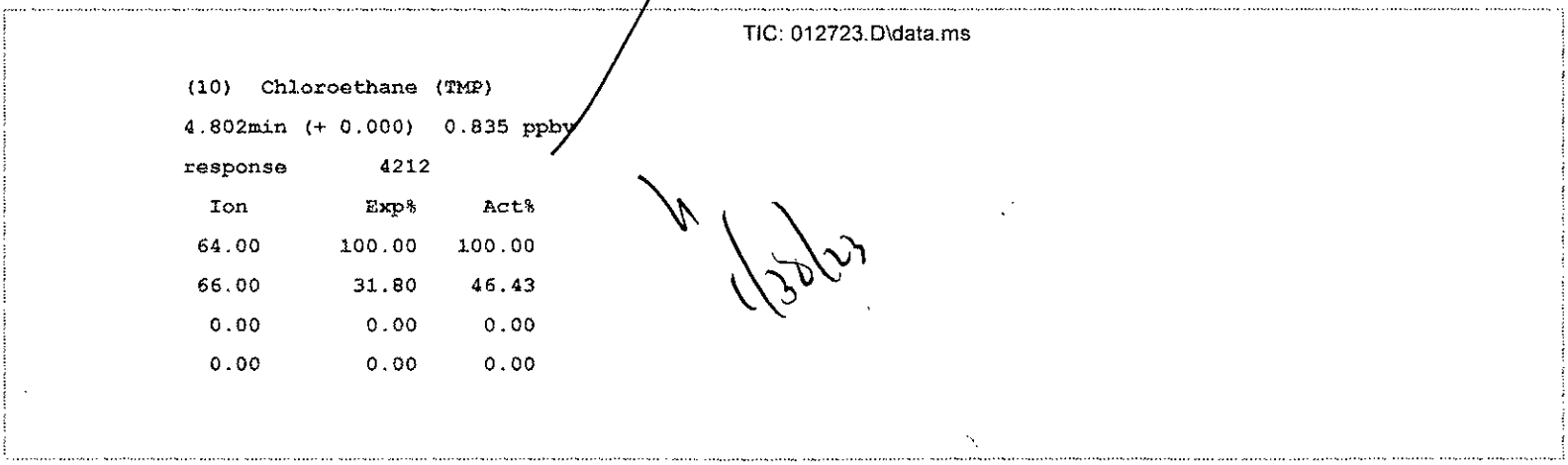
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	6.90	2.05
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.835 ppbv

response 4212

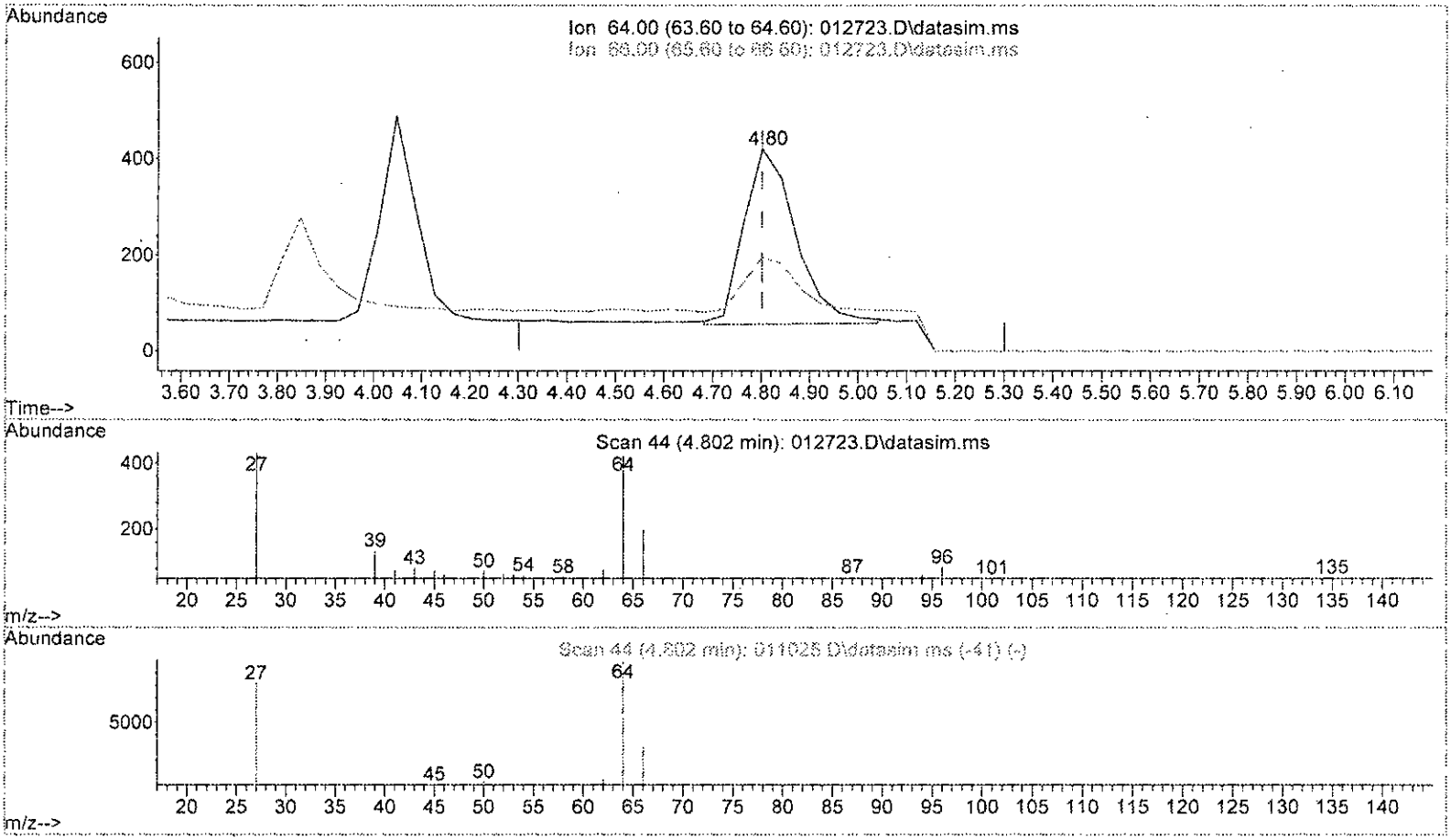
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	46.43
0.00	0.00	0.00
0.00	0.00	0.00

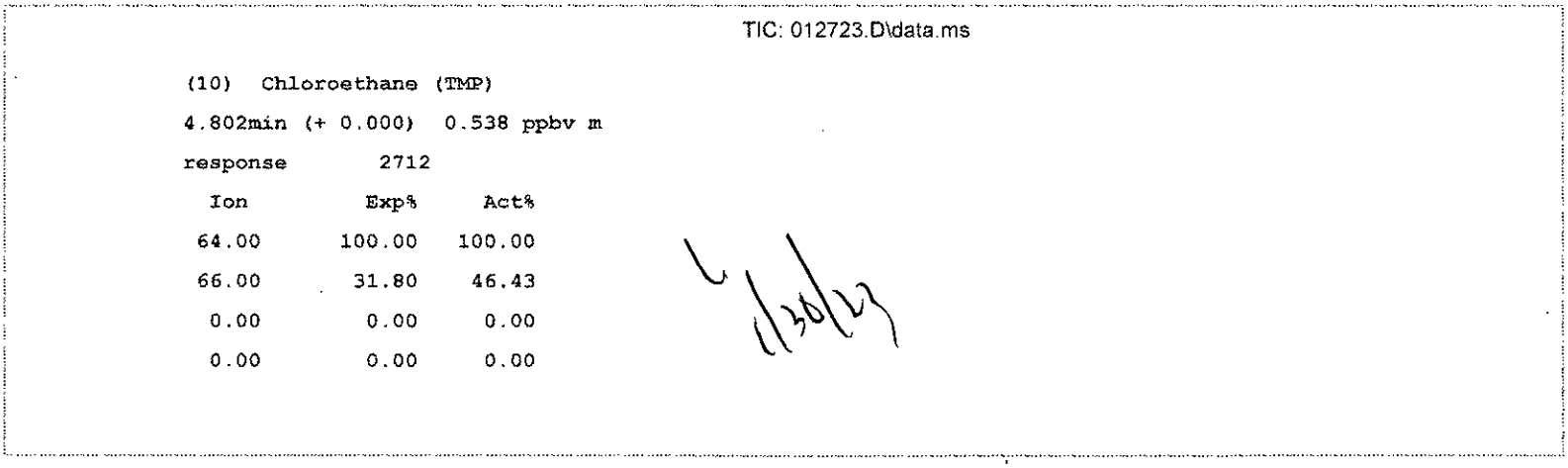
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 0.538 ppbv m

response 2712

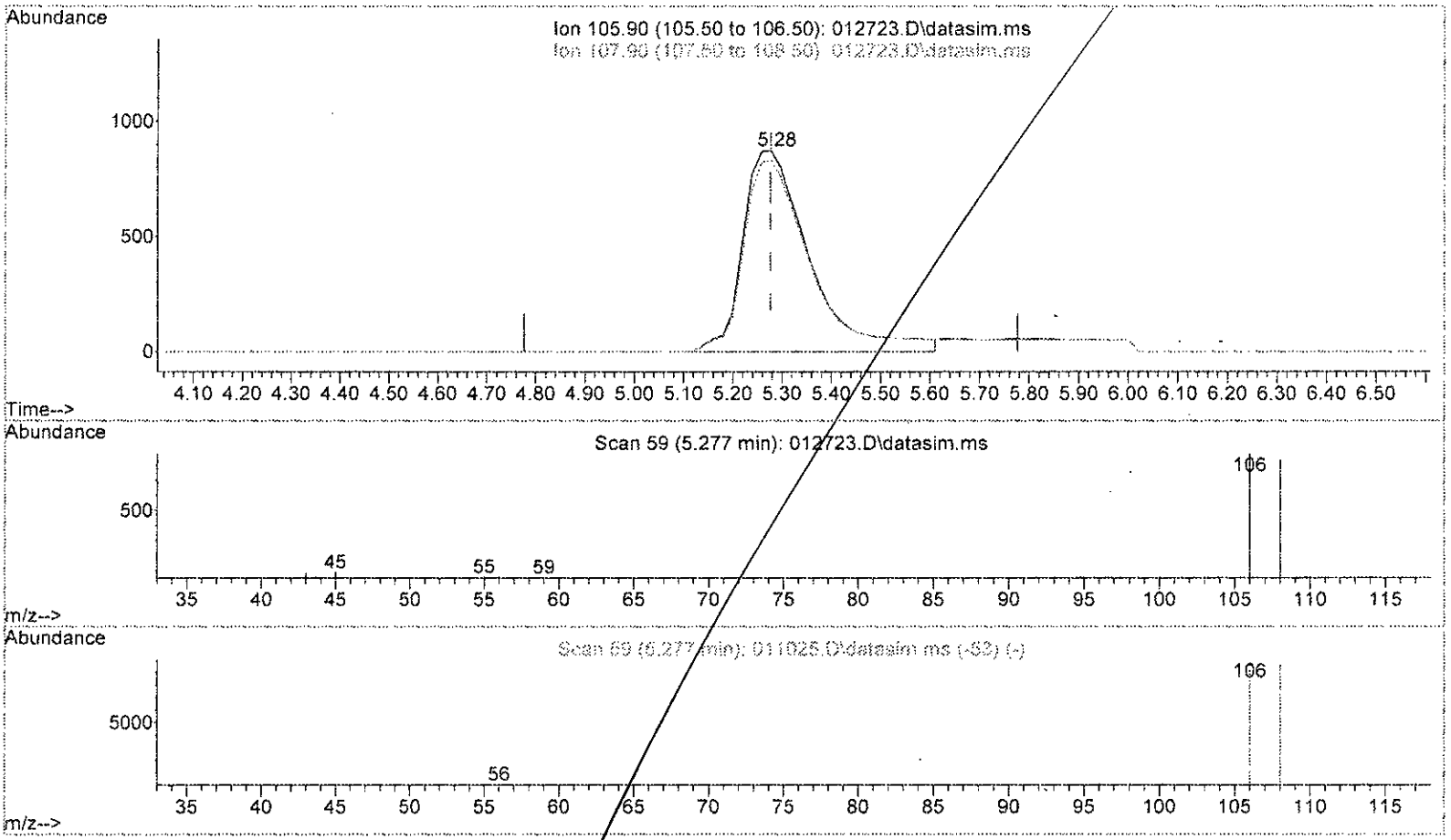
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	46.43
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 0.701 ppbv

response 8853

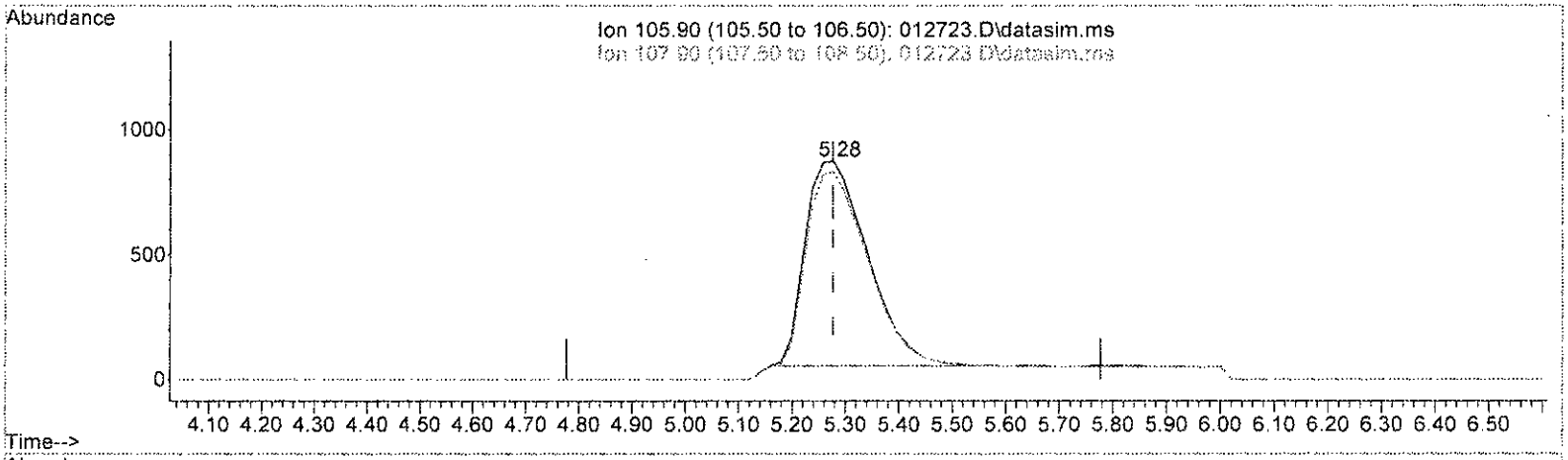
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	96.79
0.00	0.00	0.00
0.00	0.00	0.00

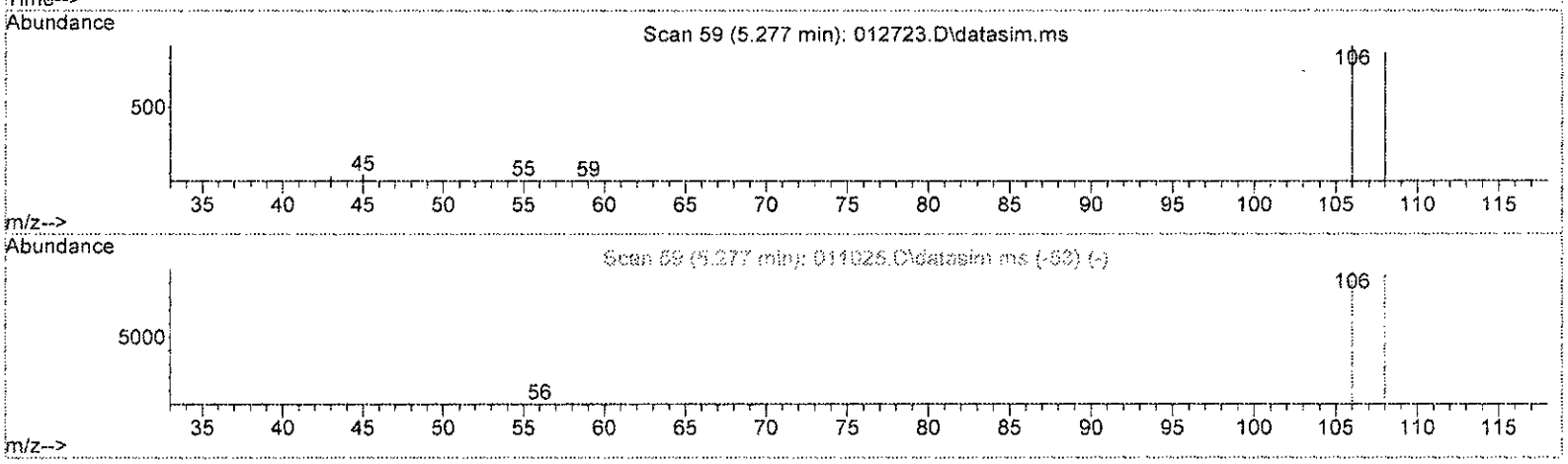
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 012723.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 0.527 ppbv m

response 6655

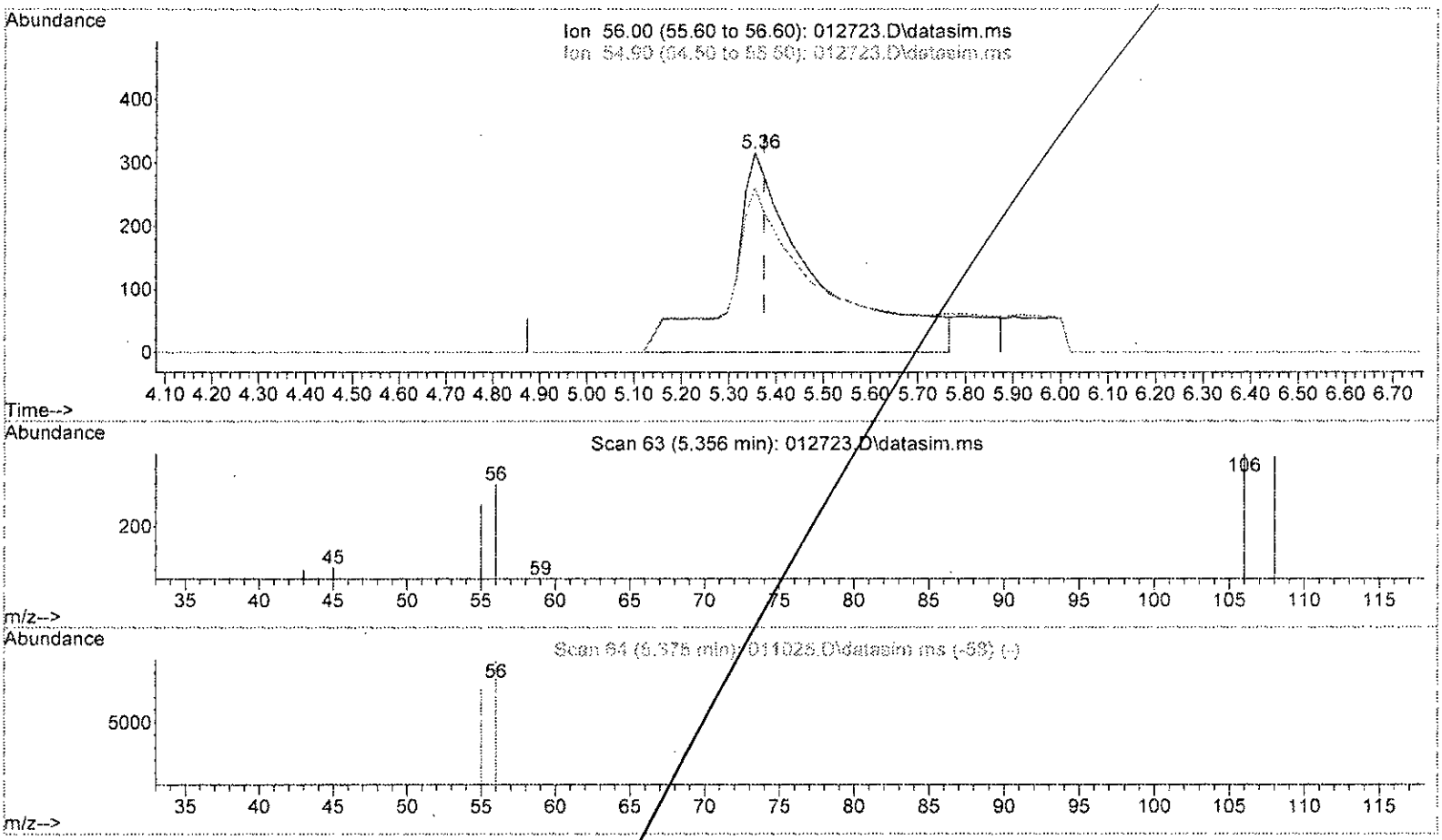
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	128.76#
0.00	0.00	0.00
0.00	0.00	0.00

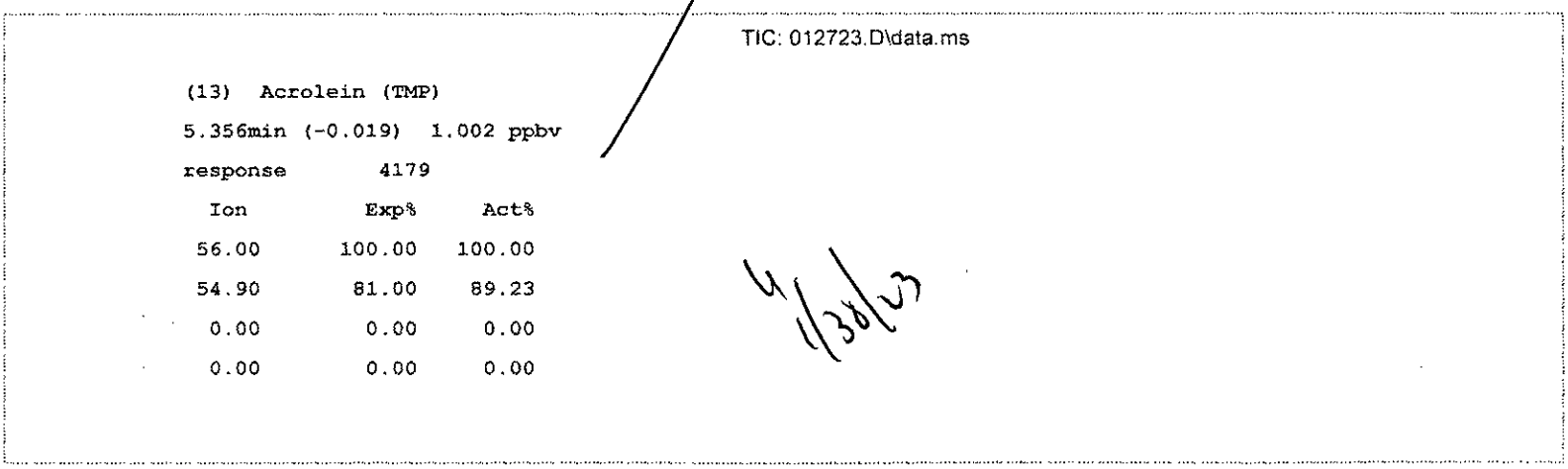
1/30/24

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.356min (-0.019) 1.002 ppbv

response 4179

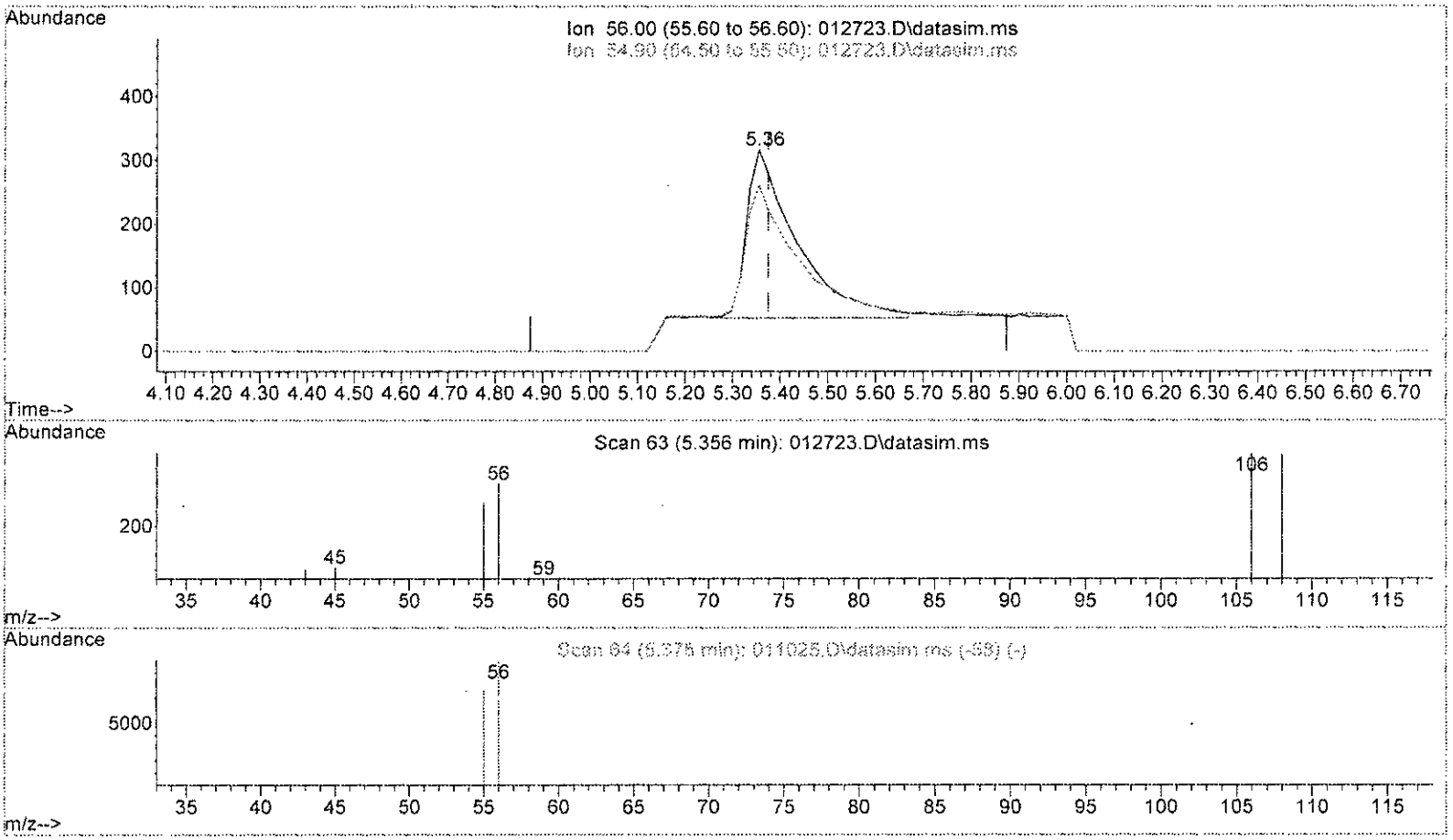
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	89.23
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 0.464 ppbv m

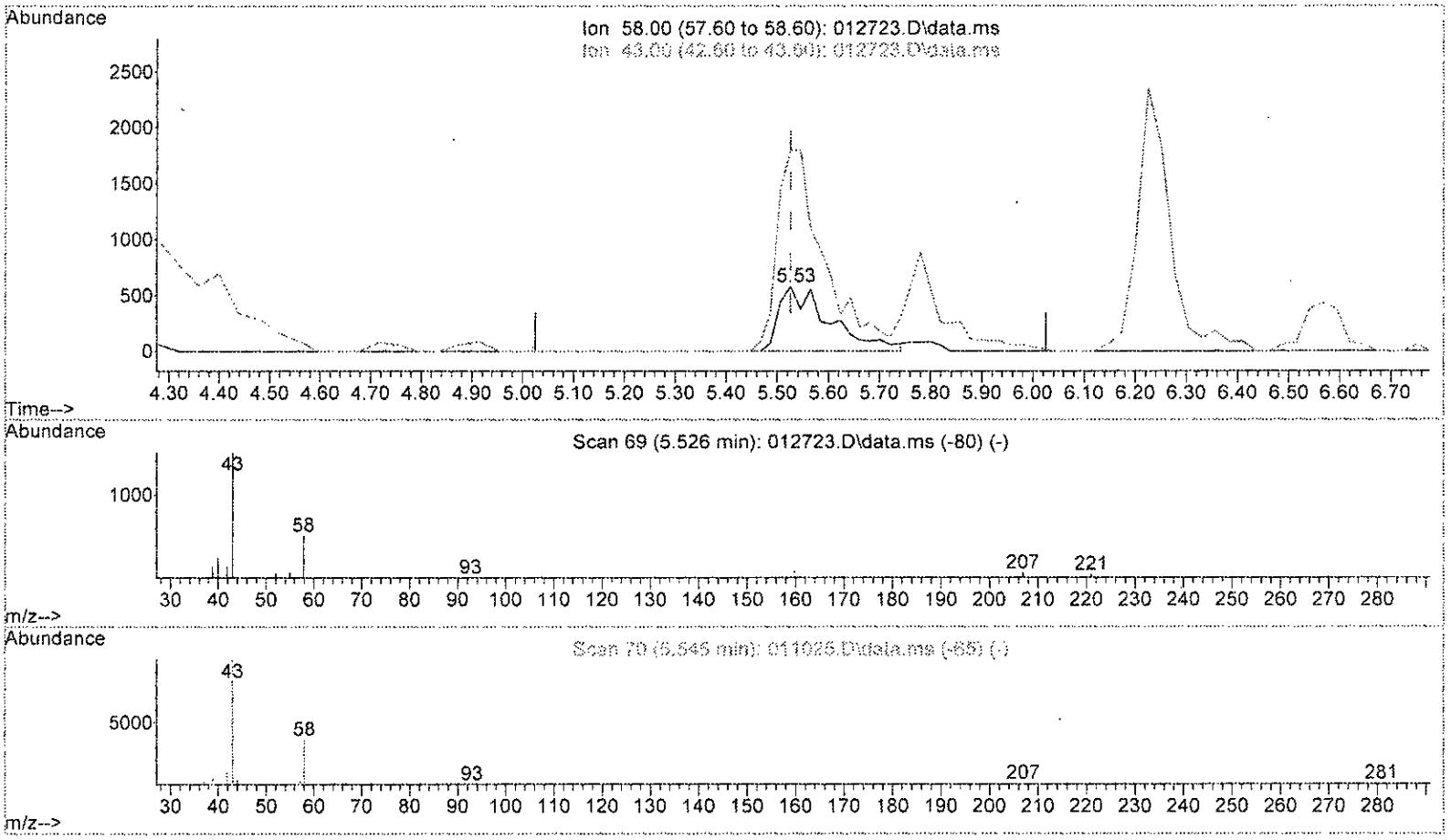
response 1937

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	192.51#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(16) Acetone (TMP)

5.526min (-0.000) 0.680 ppbv

response 3956

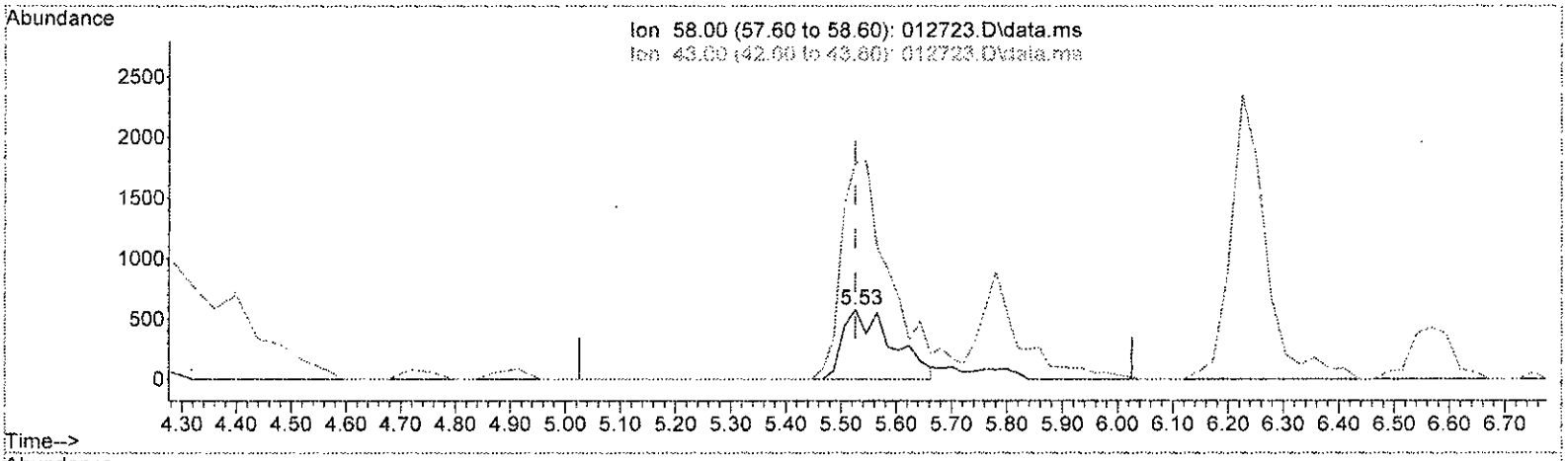
Ion	Exp%	Act%
58.00	100.00	100.00
43.00	359.30	310.90#
0.00	0.00	0.00
0.00	0.00	0.00

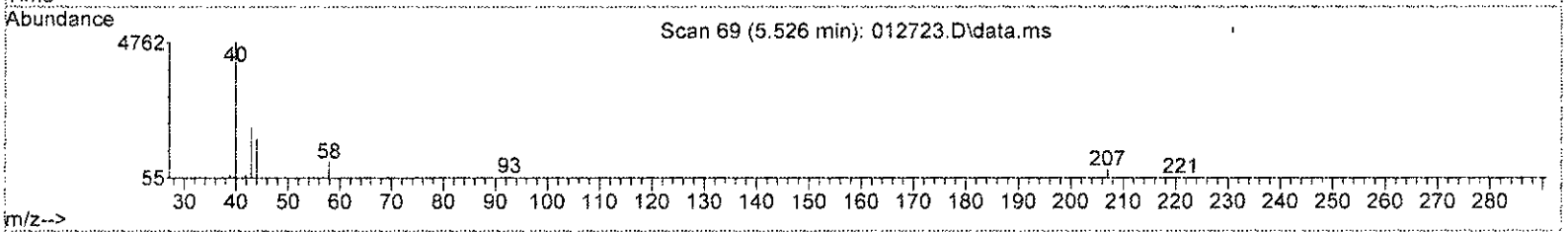
1/30/23

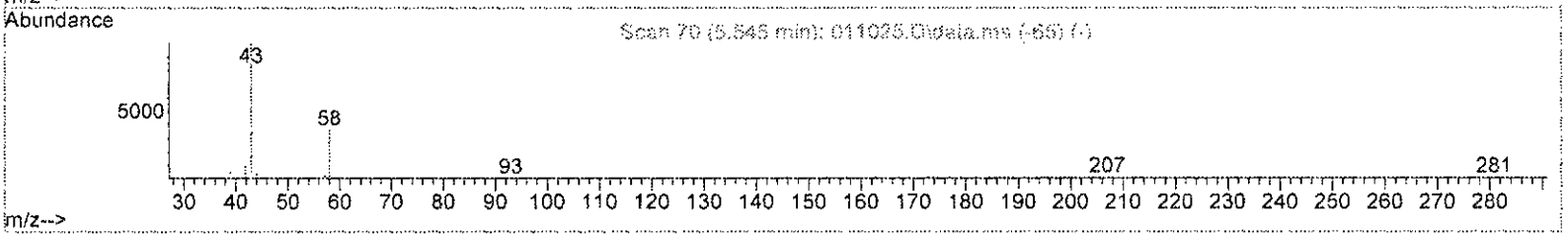
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012723.D\data.ms

(16) Acetone (TMP)

5.526min (-0.000) 0.617 ppbv m

response 3589

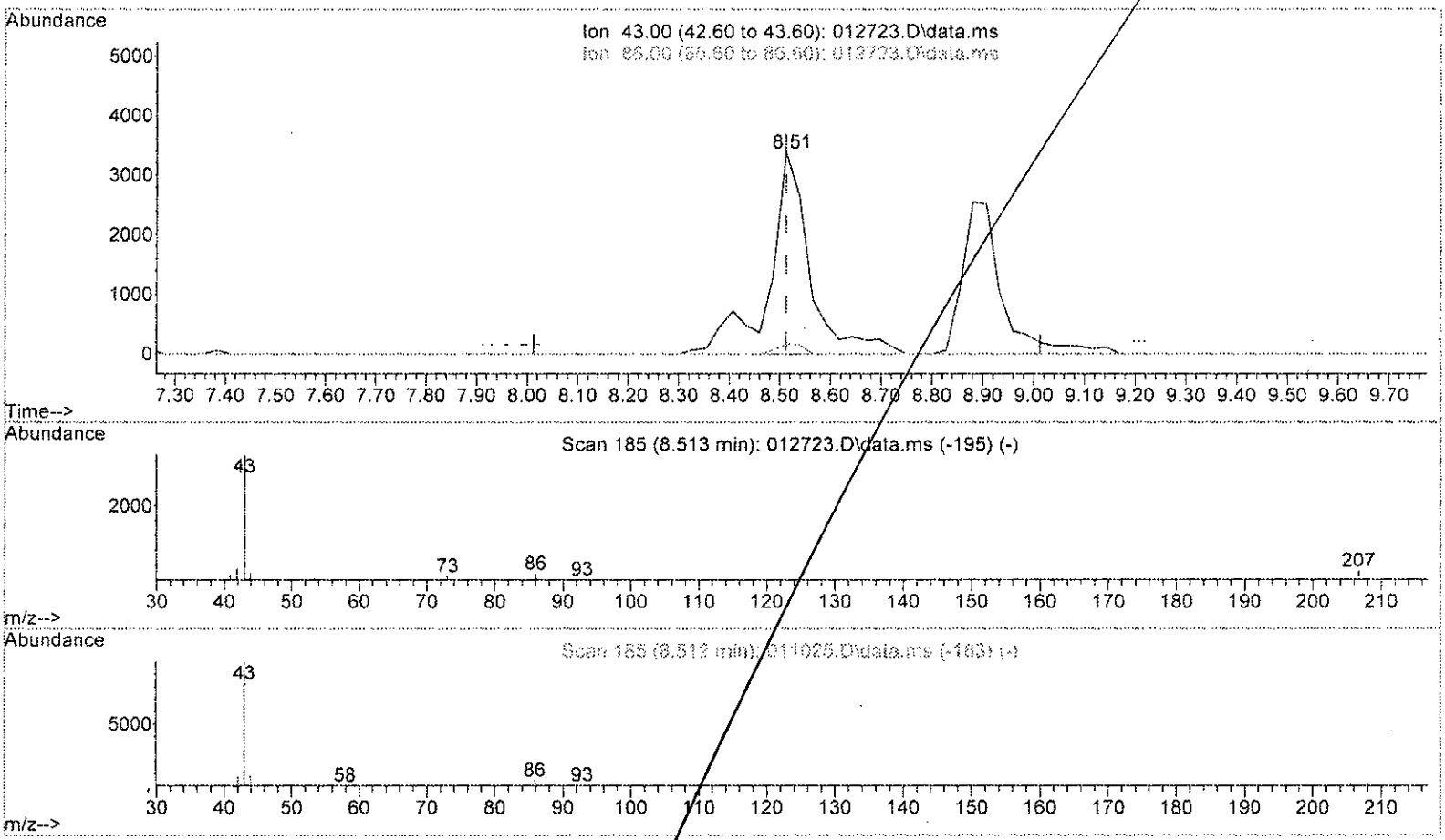
Ion	Exp%	Act%
58.00	100.00	100.00
43.00	359.30	310.90#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(26) Vinyl acetate (TMP)

8.513min (-0.000) 0.673 ppbv

response 18898

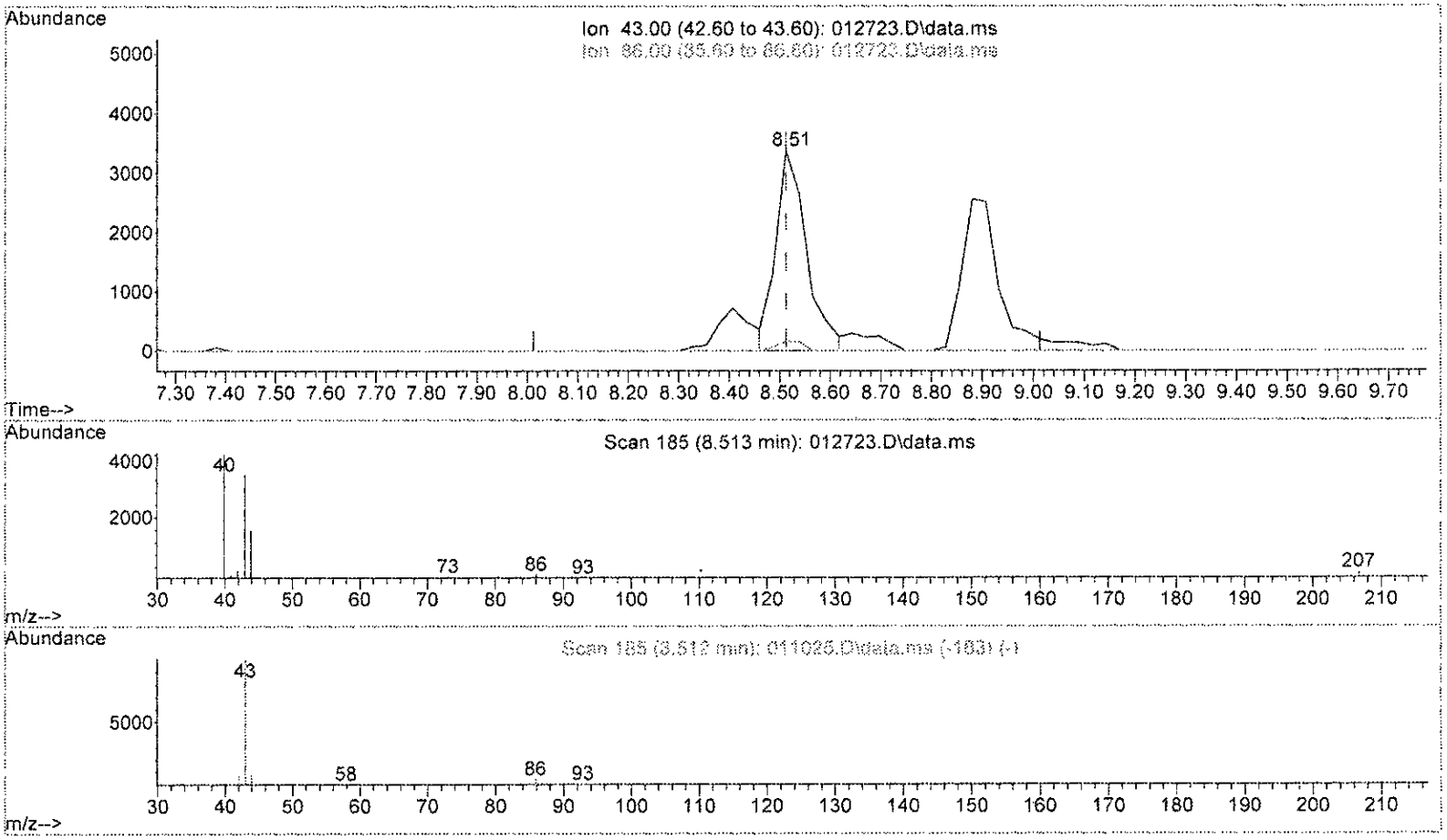
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.60
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(26) Vinyl acetate (TMP)

8.513min (-0.000) 0.502 ppbv m

response 14110

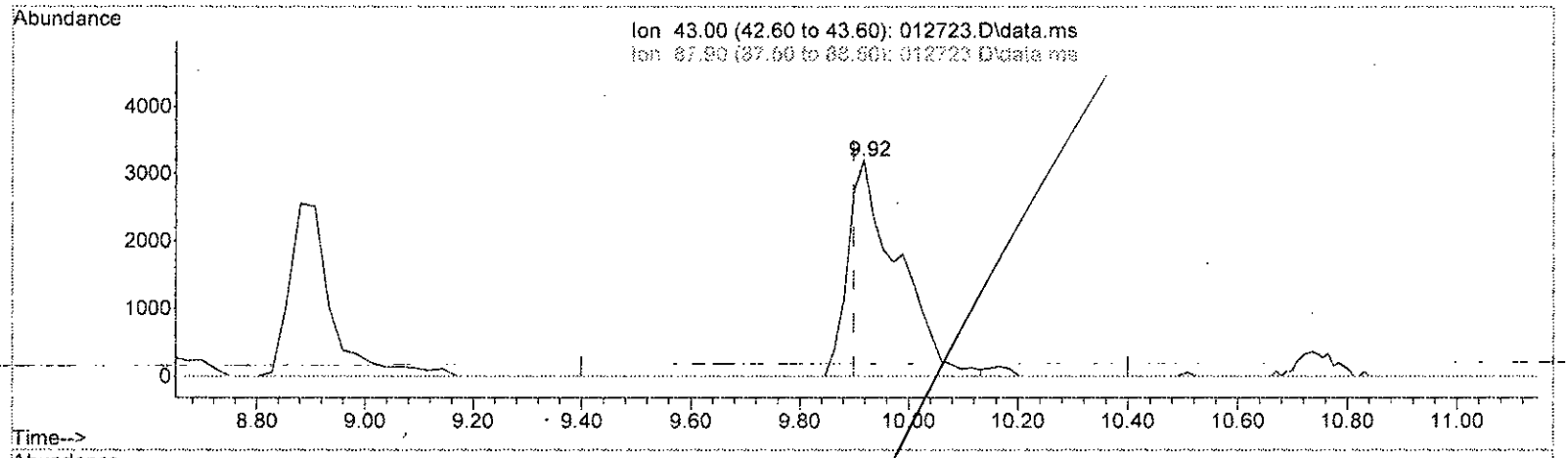
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.60
0.00	0.00	0.00
0.00	0.00	0.00

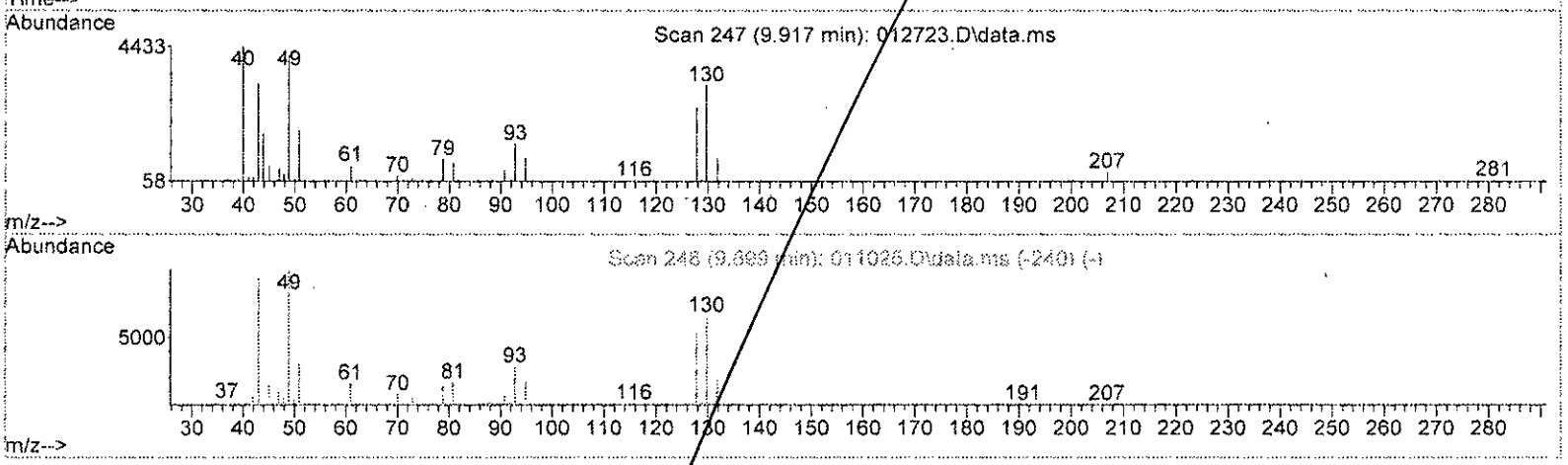
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 012723.D\data.ms

(31) Ethyl acetate (TMP)

9.917min (+ 0.018) 0.726 ppbv

response 20275

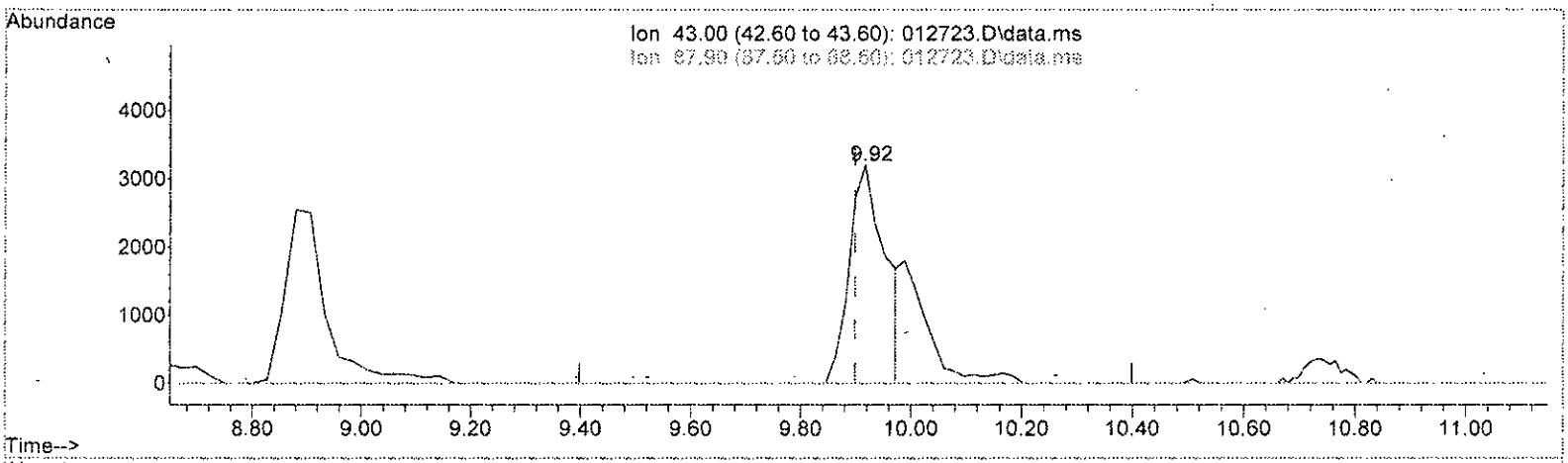
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

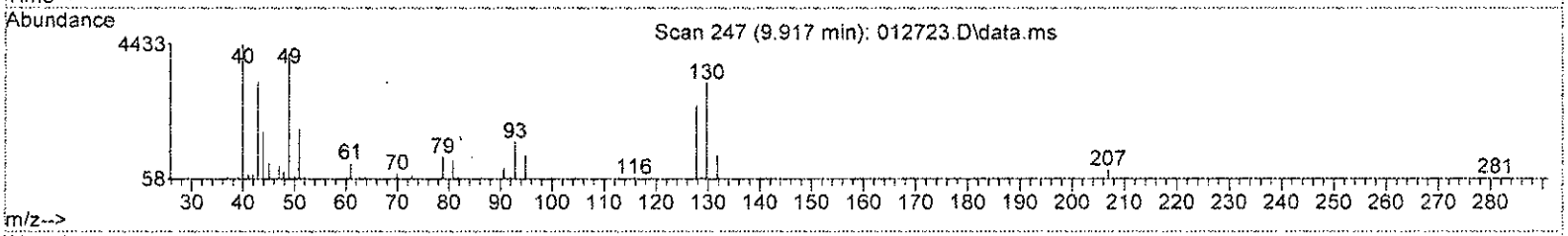
1/30/23

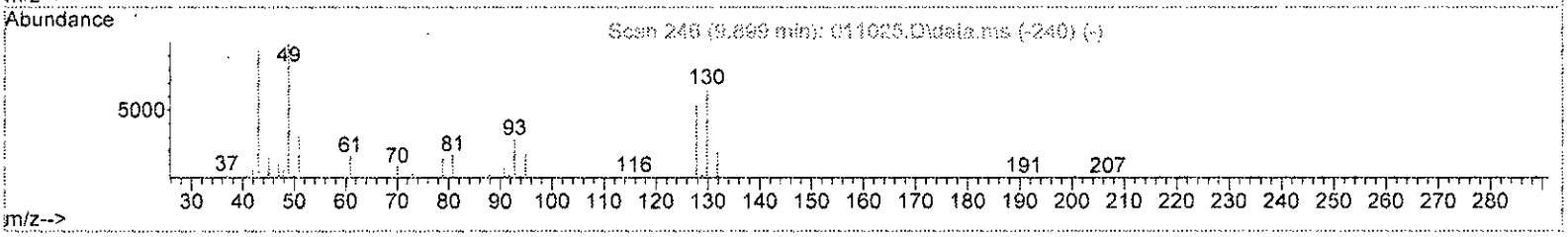
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012723.D\data.ms

(31) Ethyl acetate (TMP)

9.917min (+ 0.018) 0.514 ppbv m

response 14352

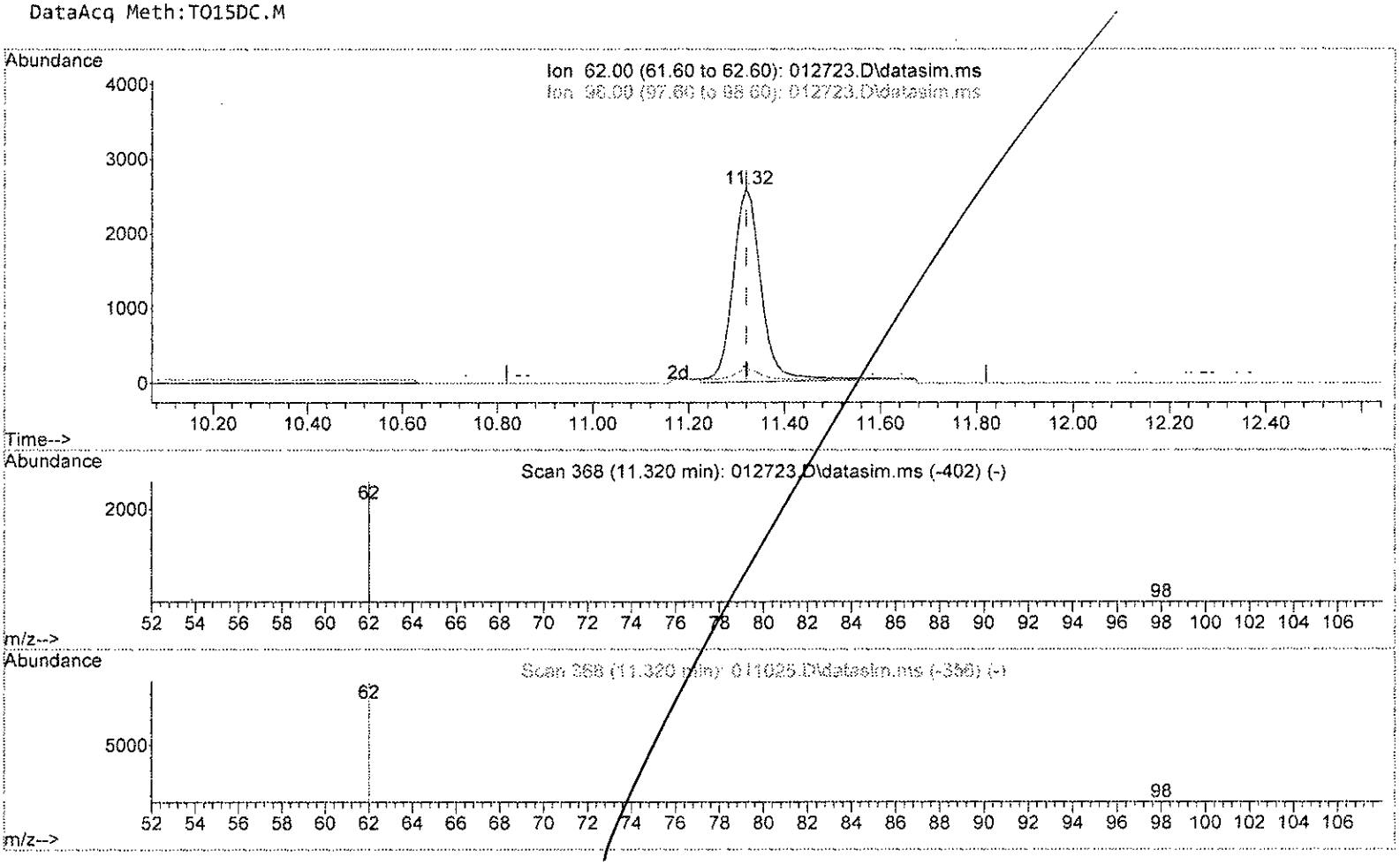
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 0.562 ppbv

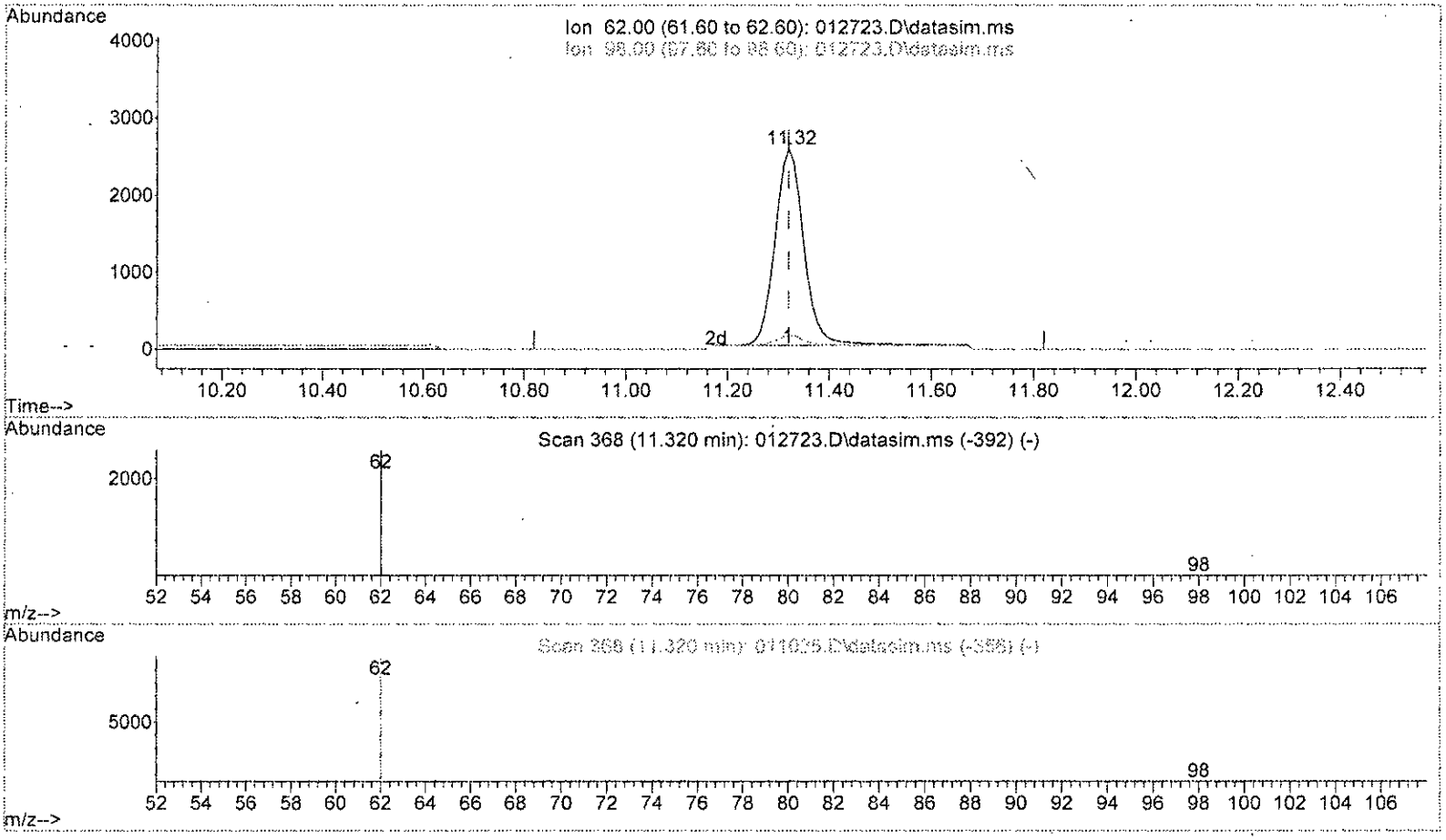
response 10562

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 0.528 ppbv m

response 9929

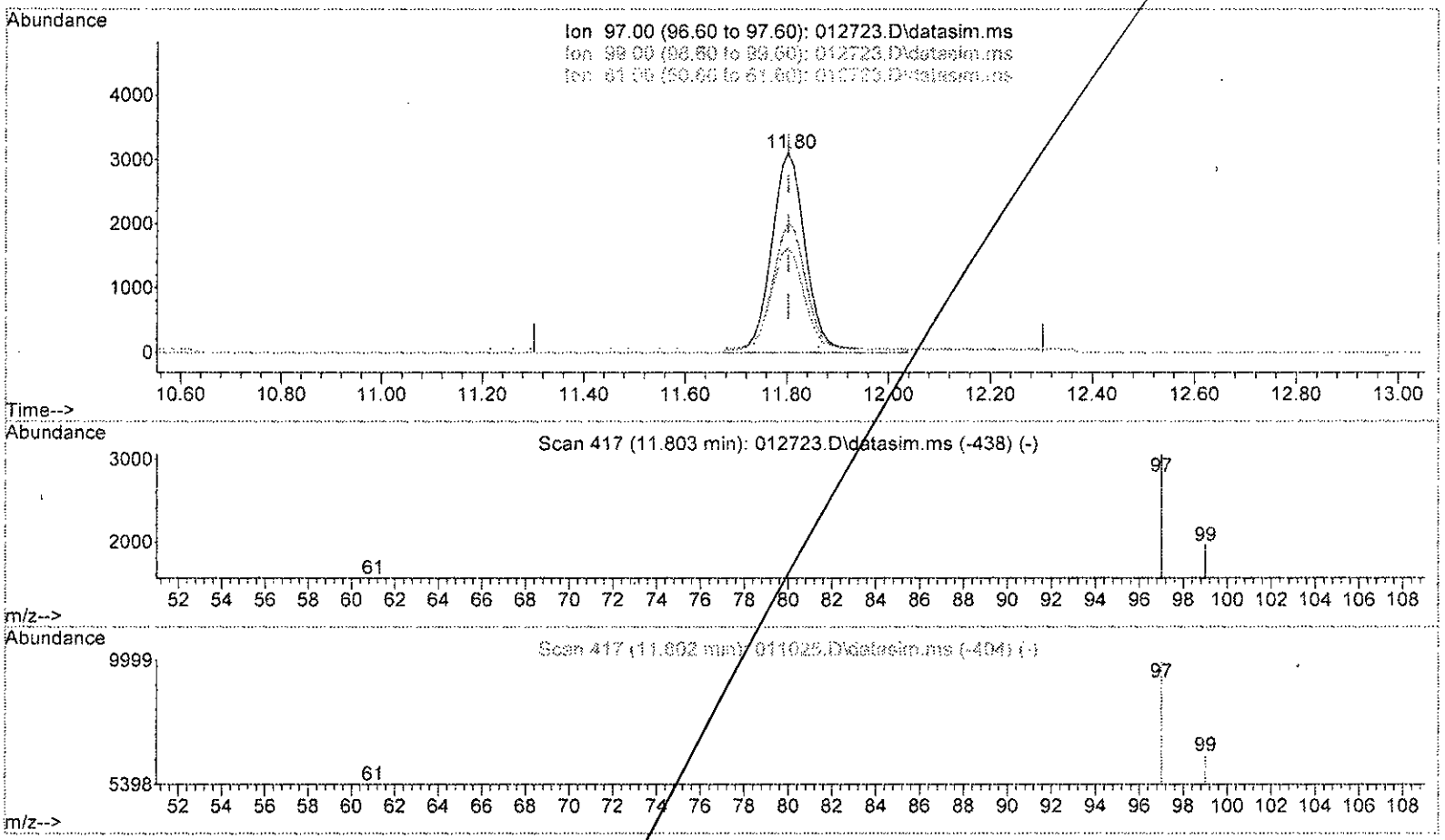
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	6.80
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 0.581 ppbv

response 14559

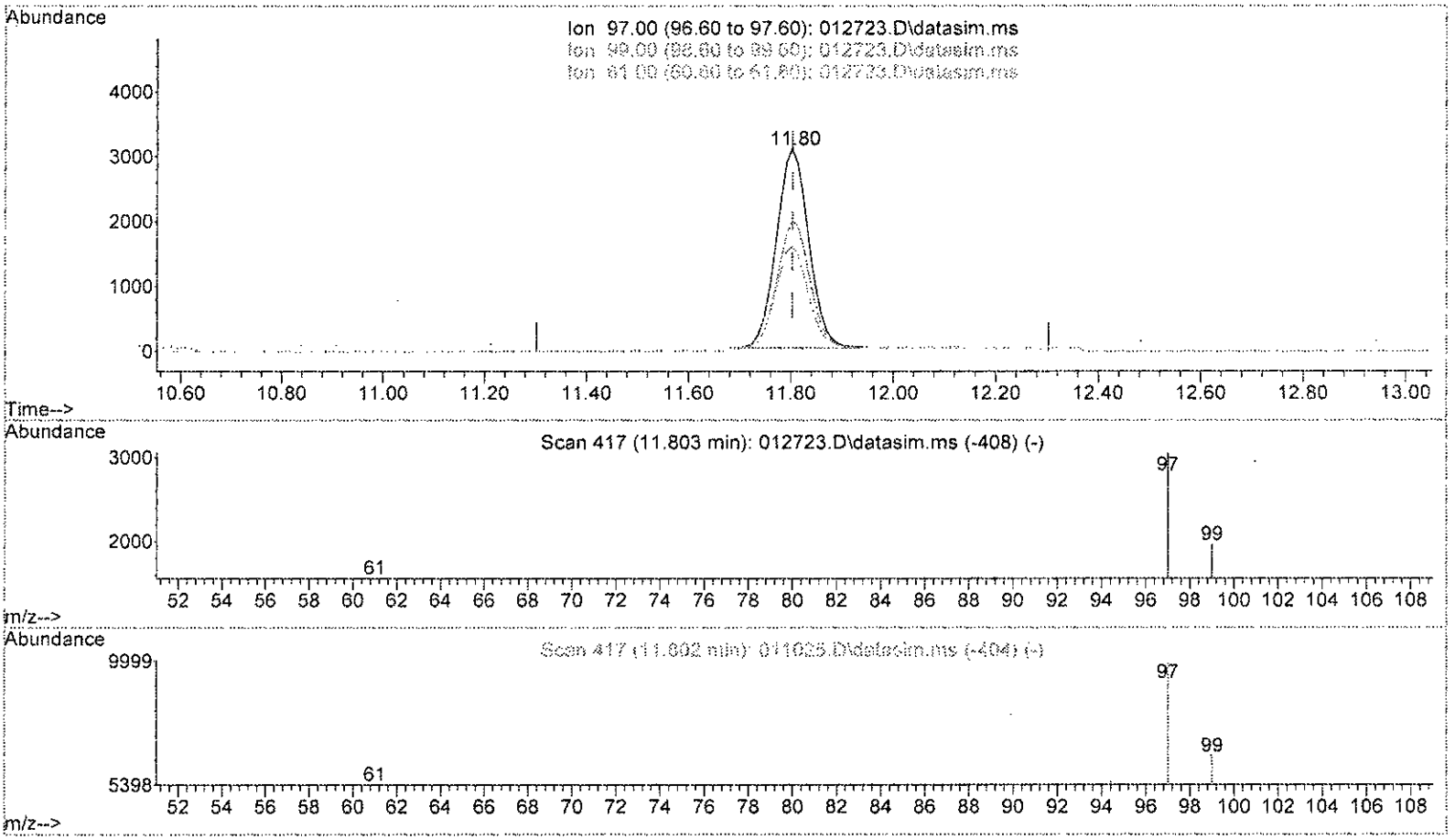
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	52.11
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 0.541 ppbv m

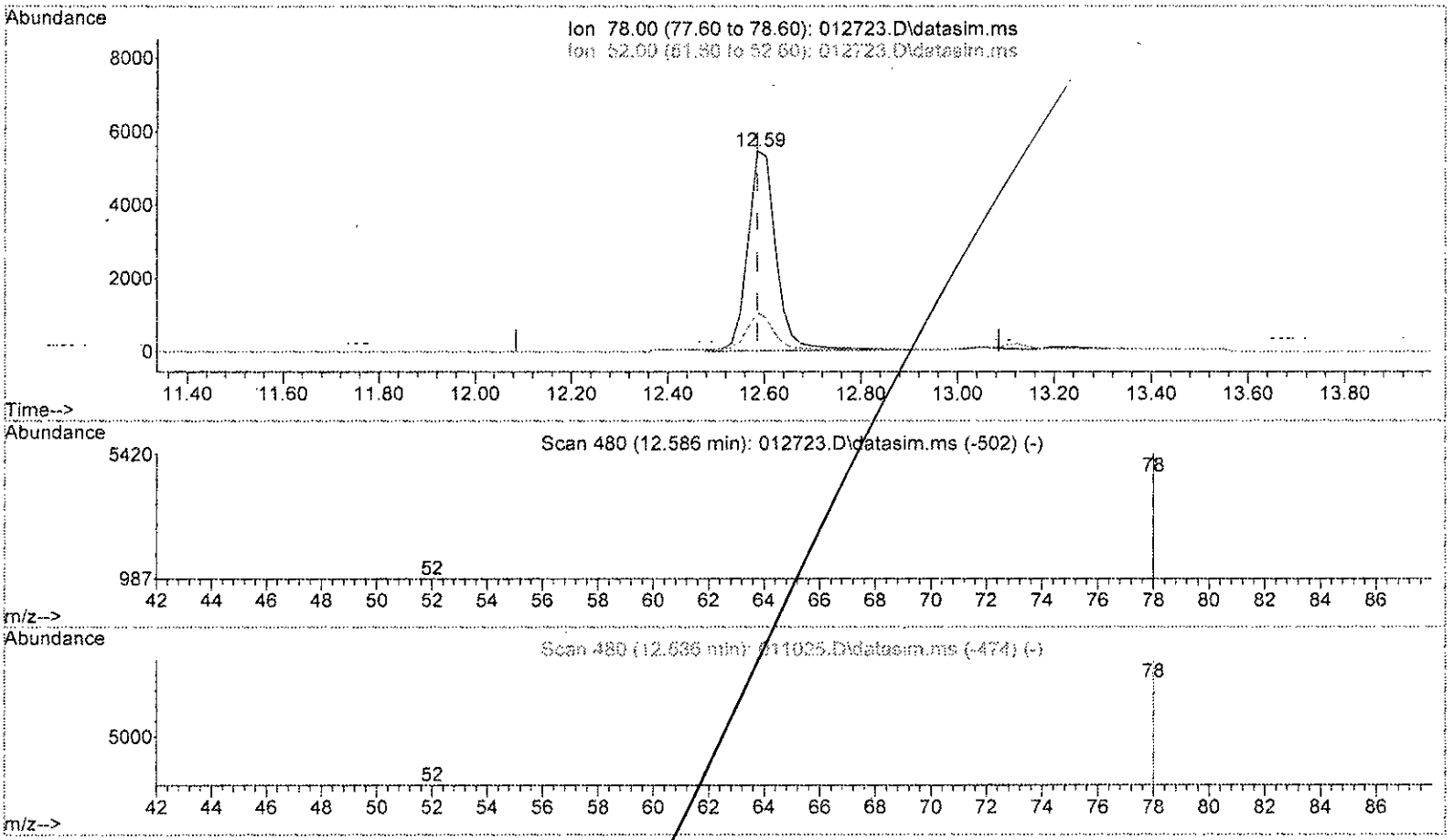
response 13576

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	64.68
61.00	49.30	52.11
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(37) Benzene (TMP)

12.586min (+ 0.000) 0.527 ppbv

response 22302

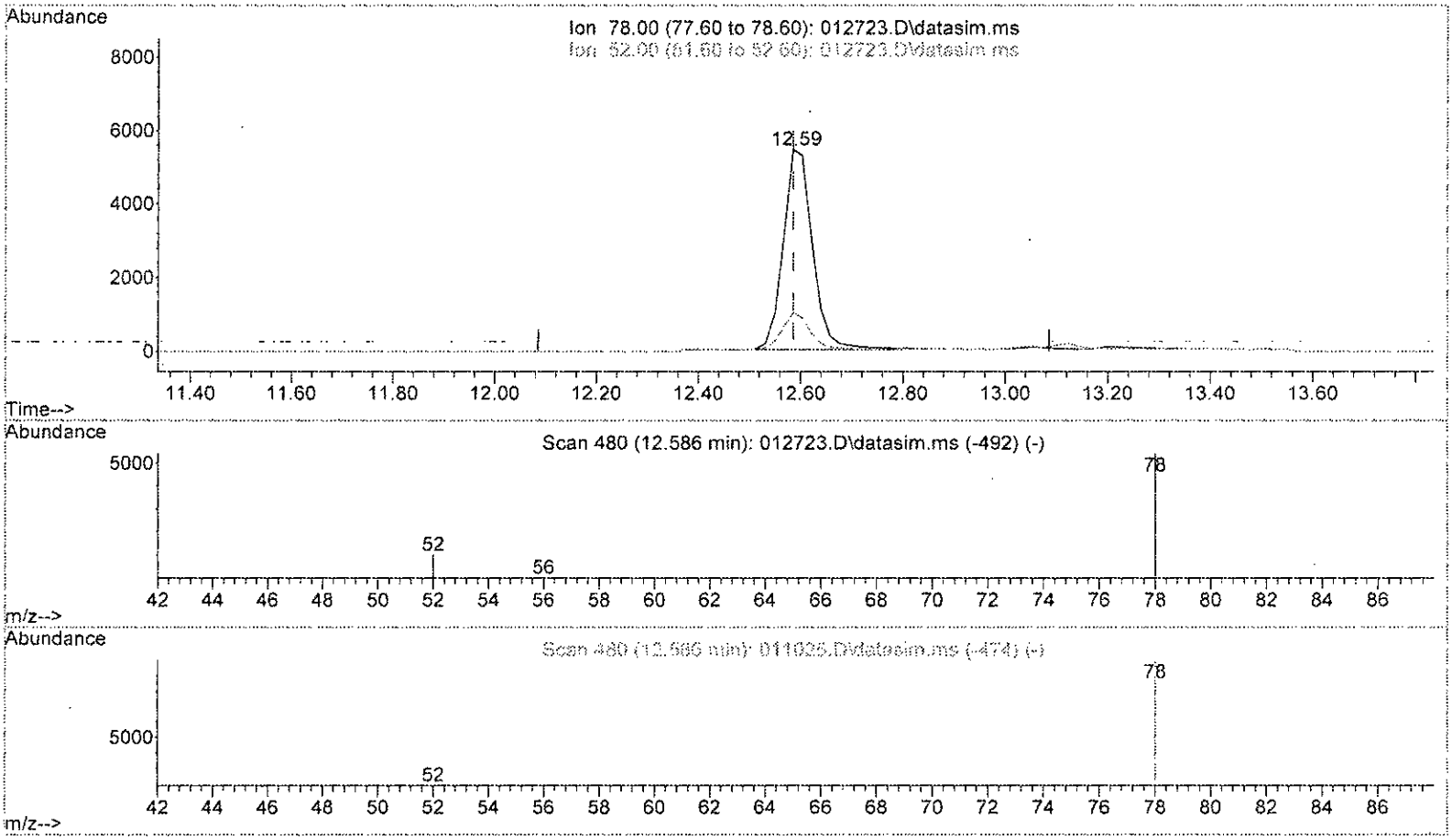
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	18.22
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(37) Benzene (TMP)

12.586min (+ 0.000) 0.507 ppbv m

response 21478

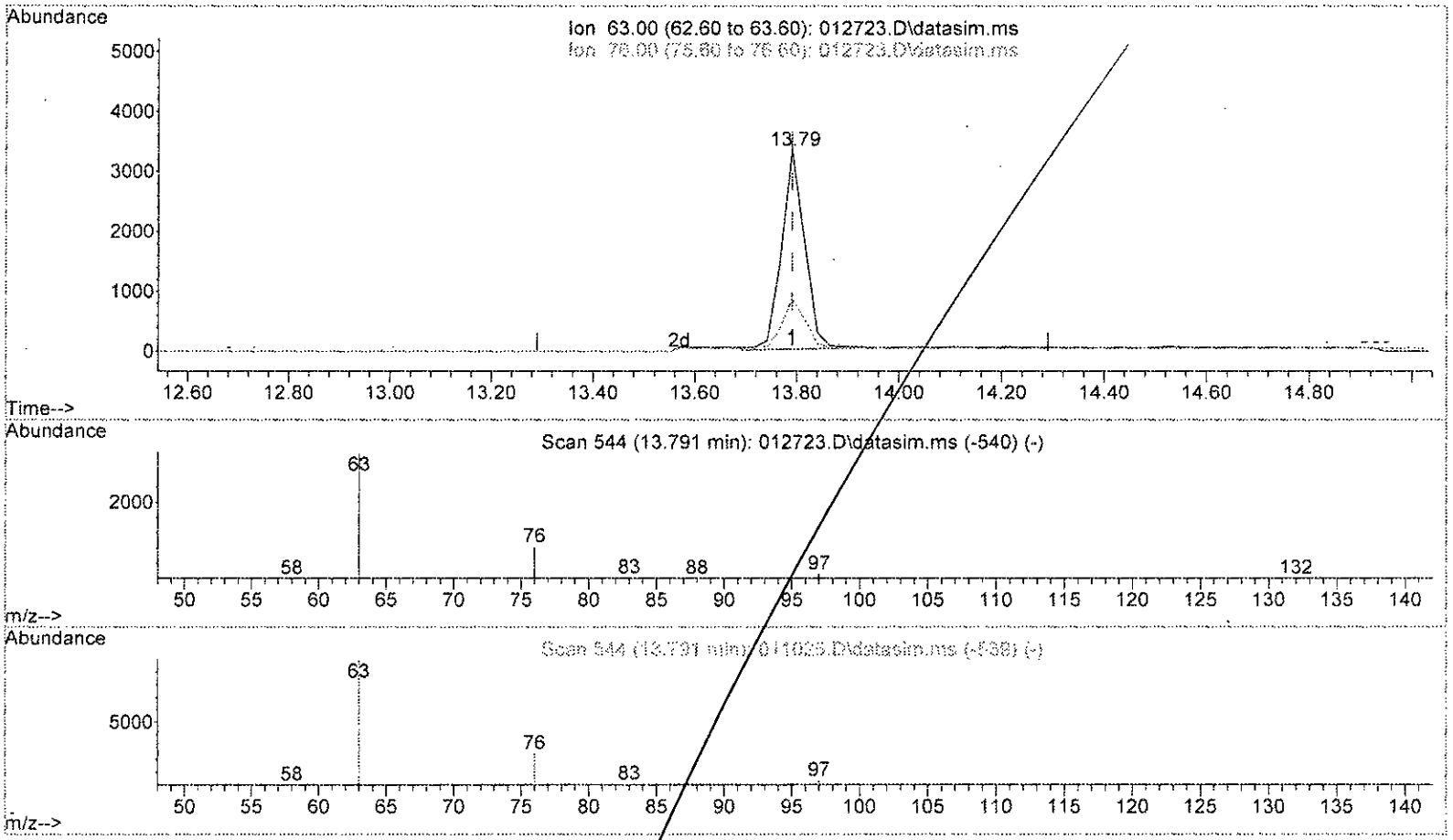
Ion	Exp%	Act%
78.00	100.00	100.00
52.00	19.70	19.20
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(40) 1,2-Dichloropropane (TMP)
13.791min (+ 0.000) 0.539 ppbv
response 10418

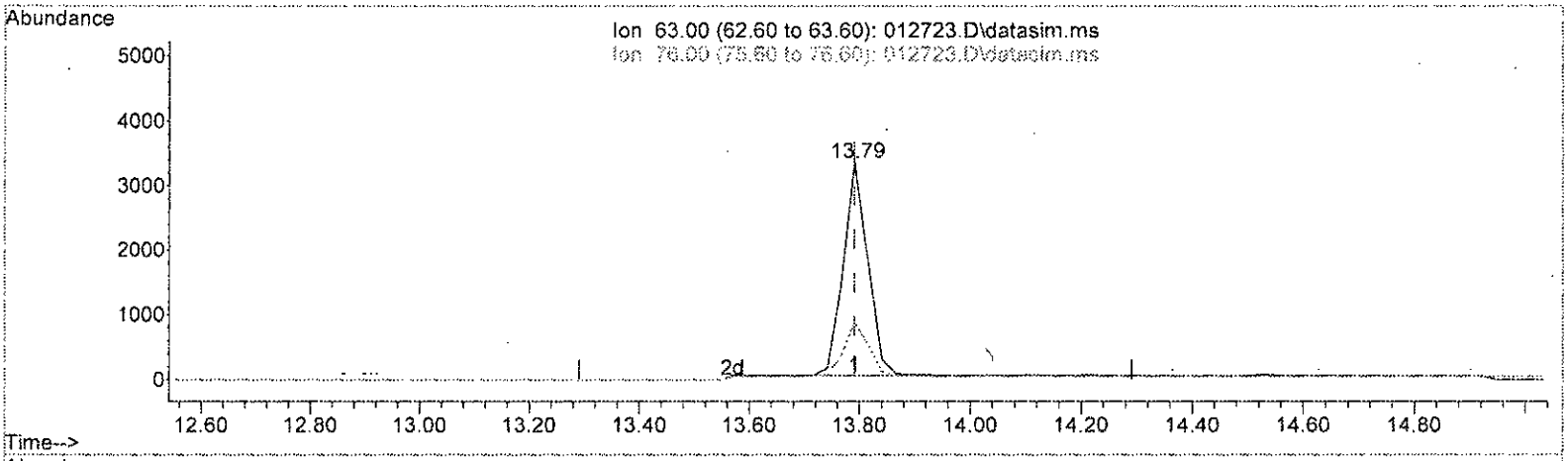
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	25.22
0.00	0.00	0.00
0.00	0.00	0.00

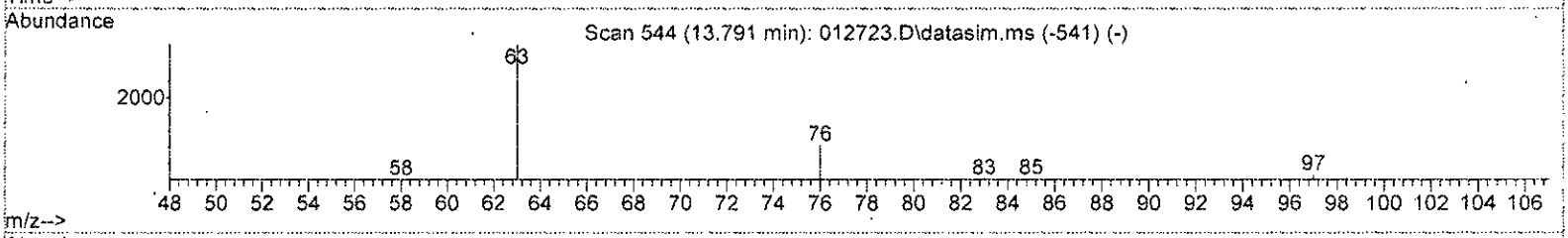
1/30/23

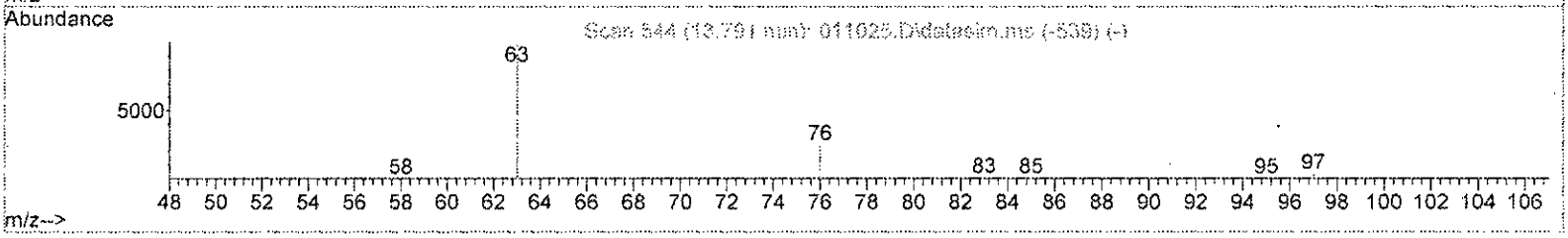
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012723.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.791min (+ 0.000) 0.519 ppbv m

response 10037

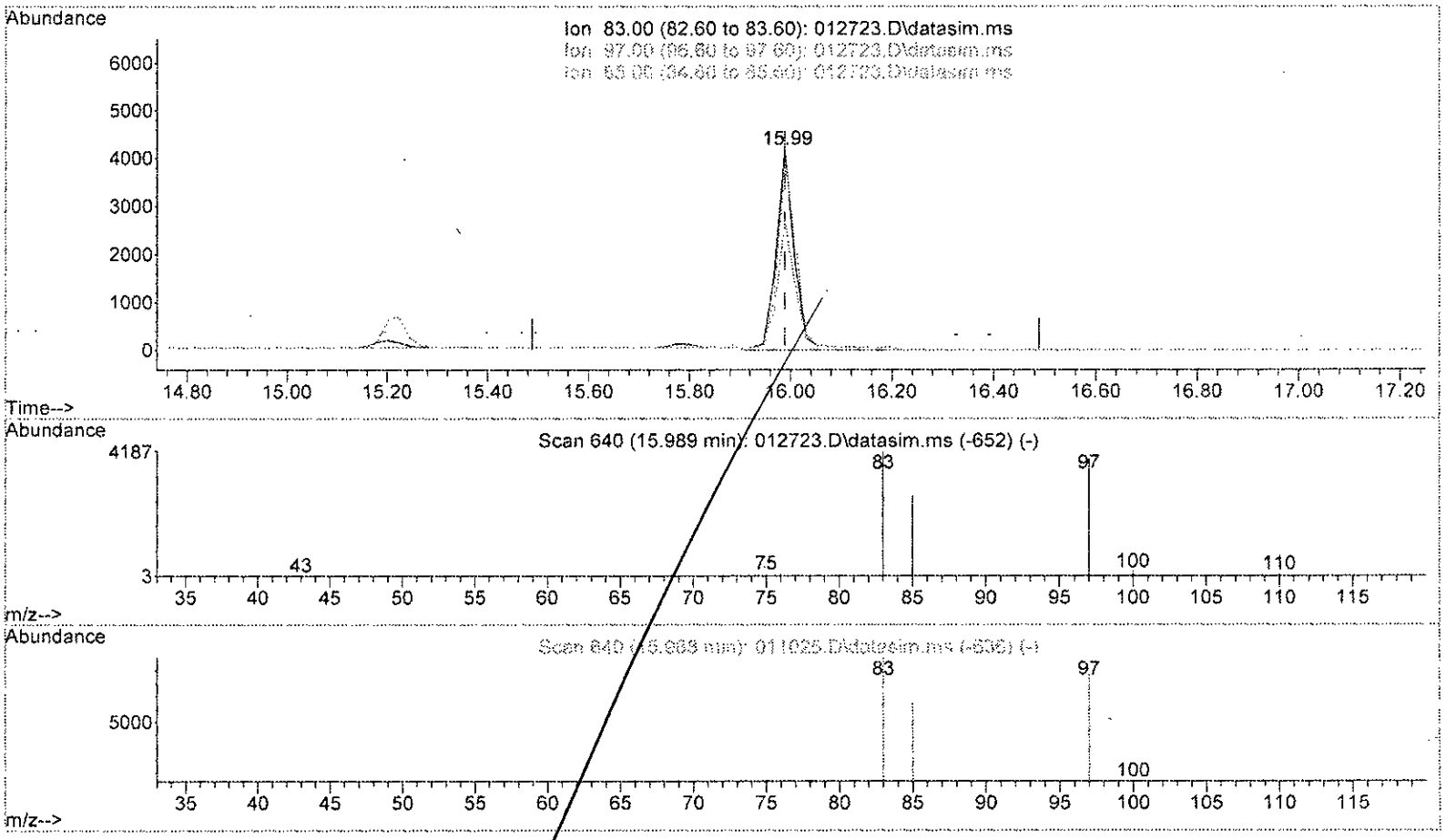
Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	26.34
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 0.579 ppbv

response 10970

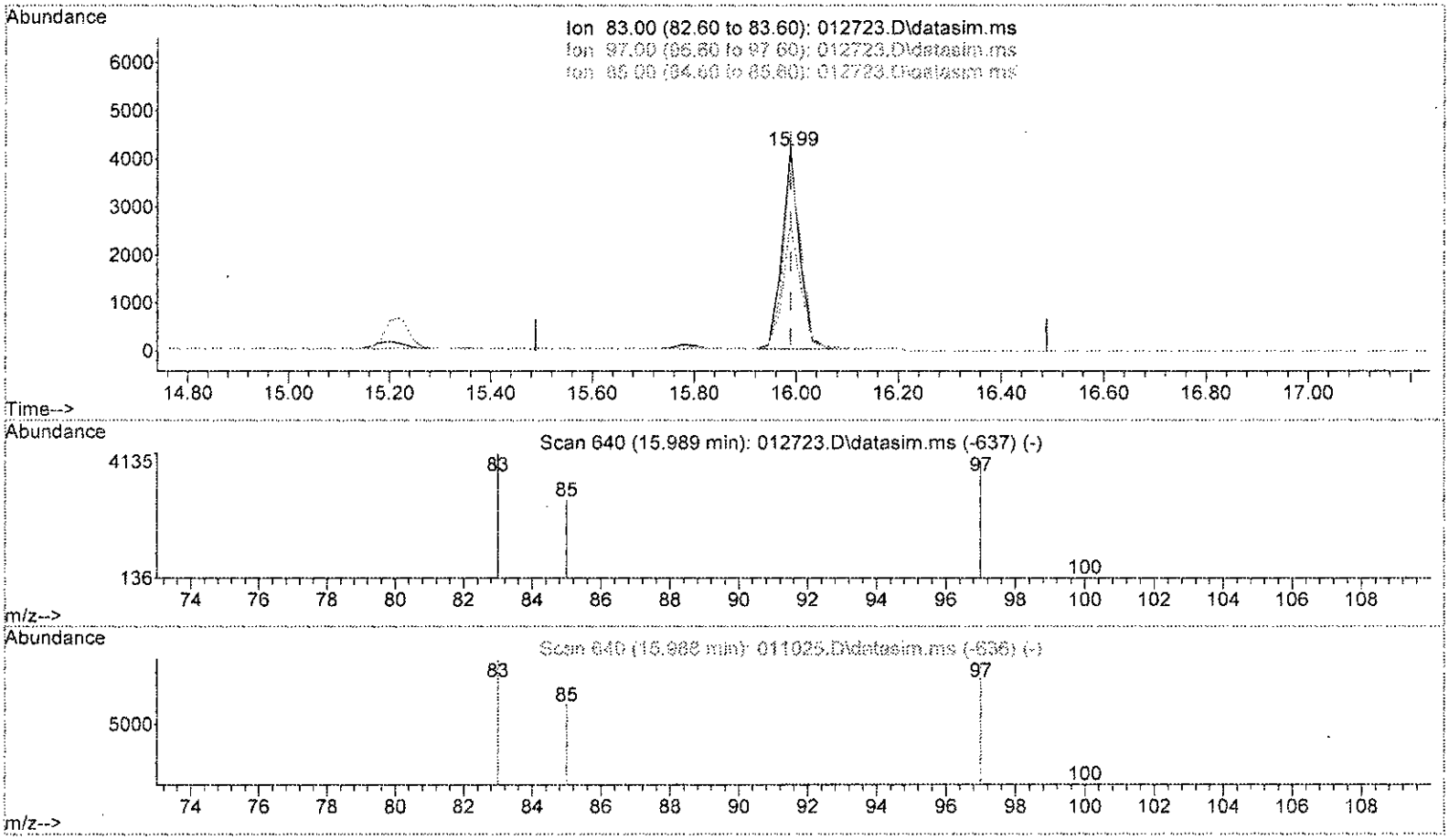
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	93.74
85.00	60.50	63.99
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 0.522 ppbv m

response 9888

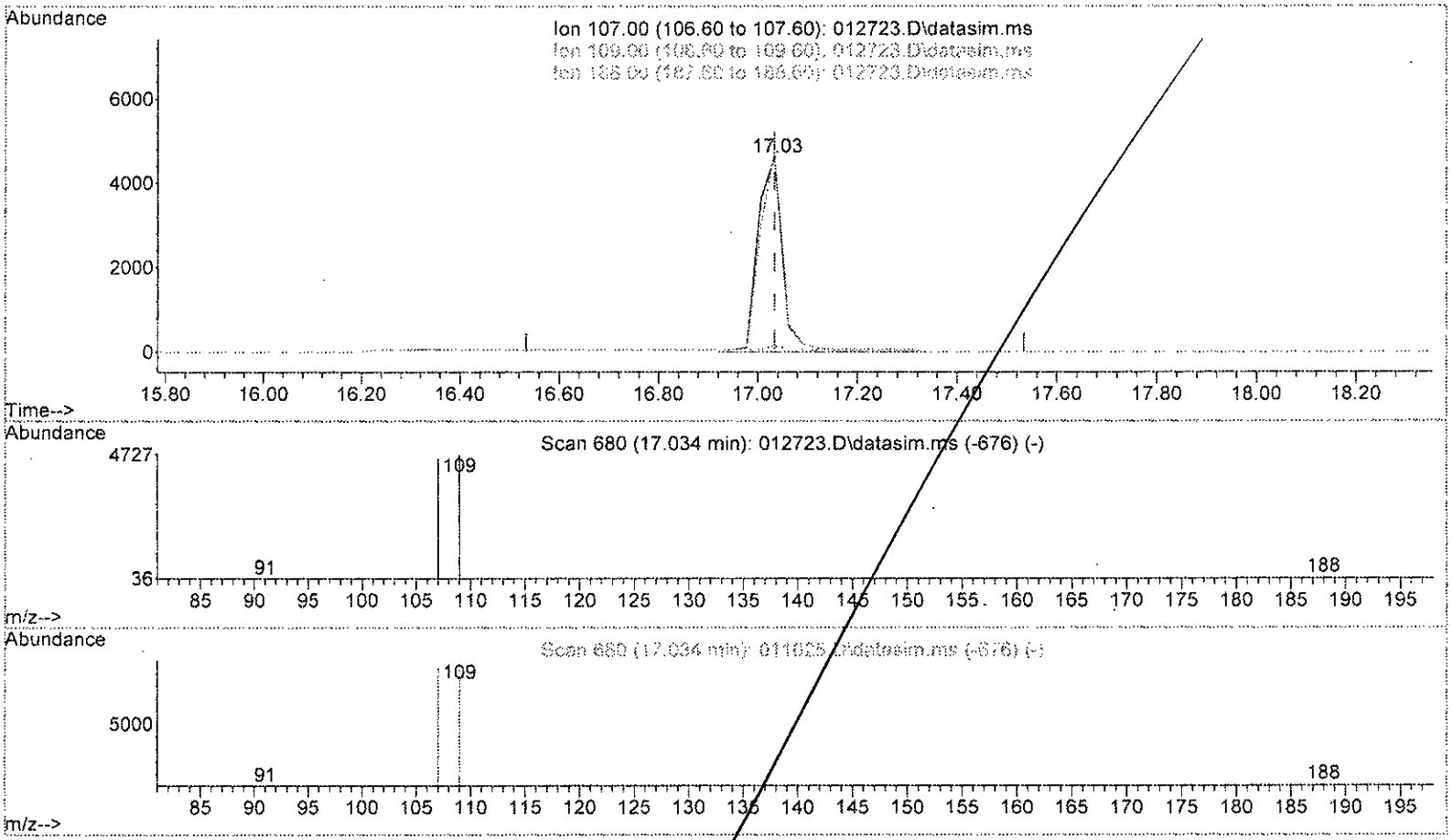
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	93.74
85.00	60.50	63.99
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.552 ppbv

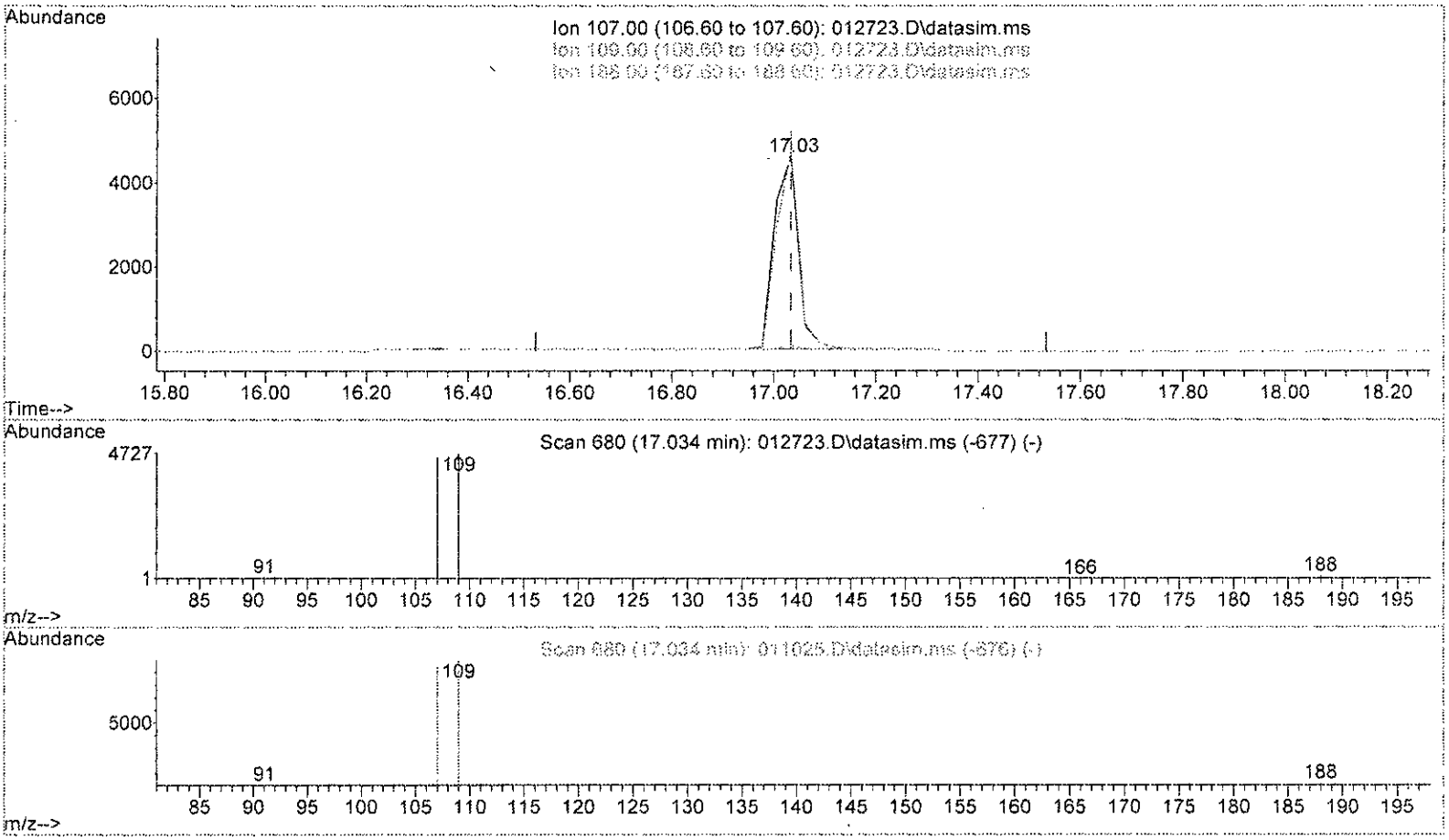
response 15812

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	103.35
188.00	2.70	3.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 0.527 ppbv m

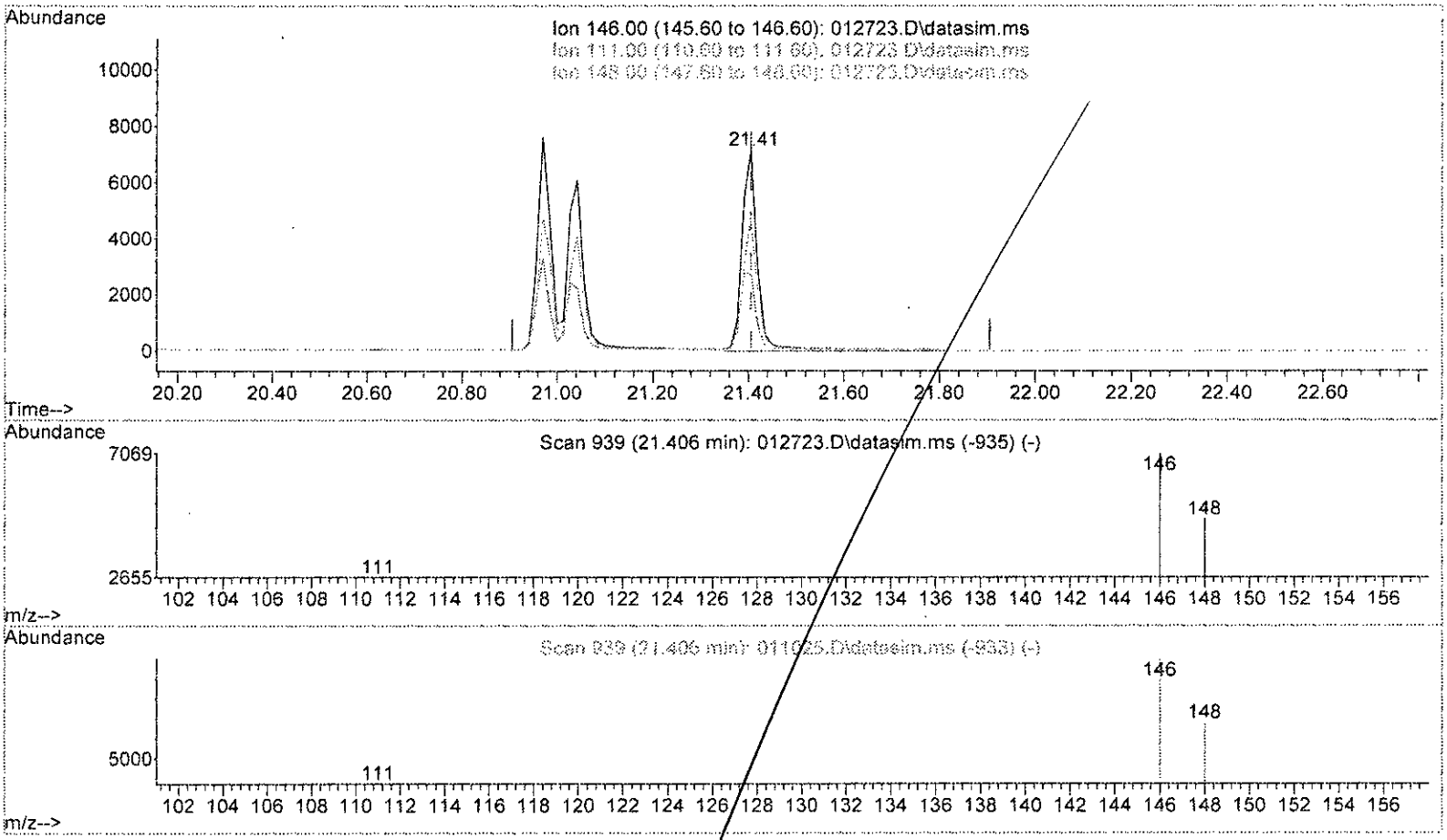
response 15116

Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	103.35
188.00	2.70	3.09
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.406min (-0.000) 0.544 ppbv

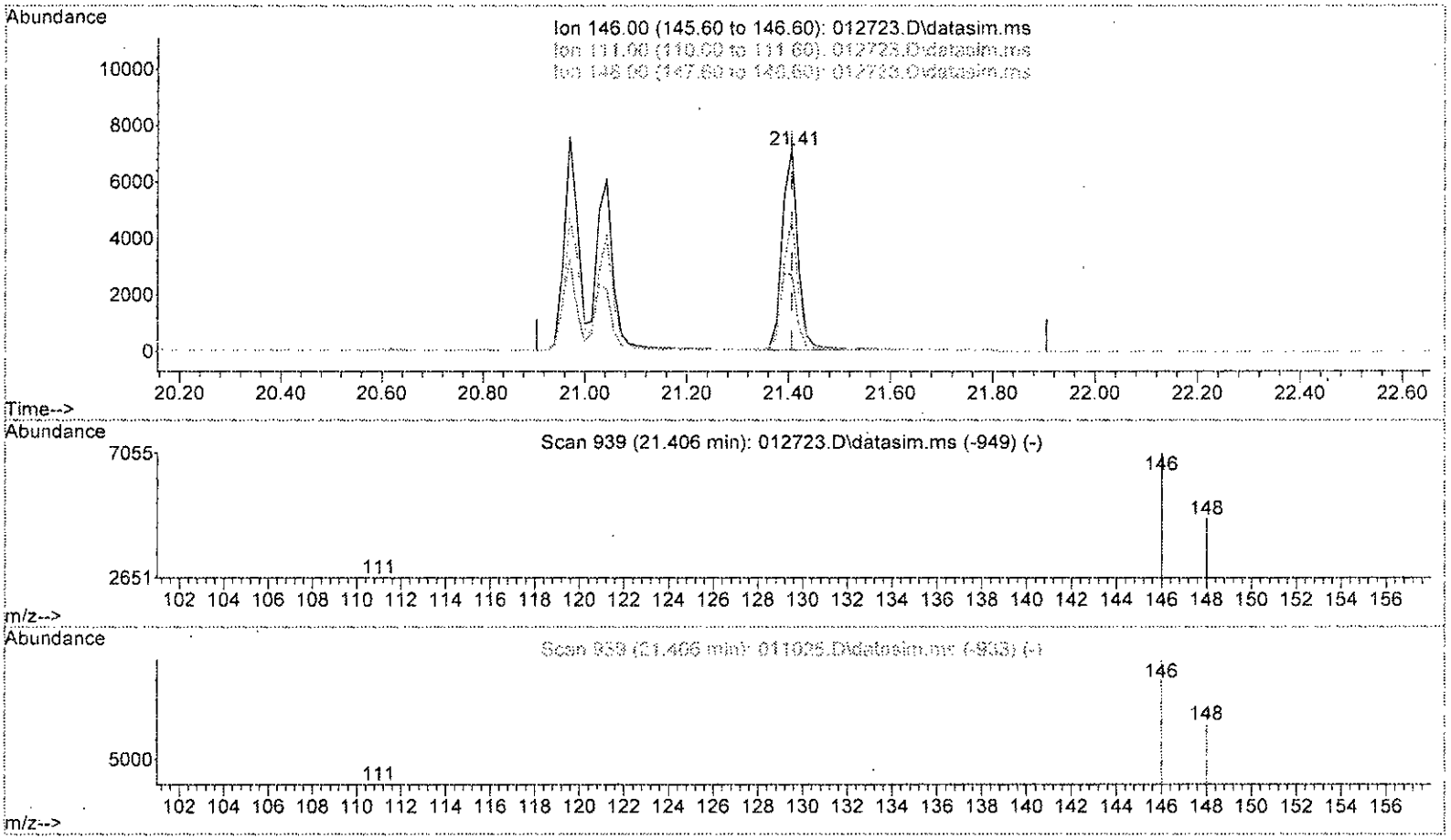
response 16646

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	38.03
148.00	63.20	67.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.406min (-0.000) 0.498 ppbv m

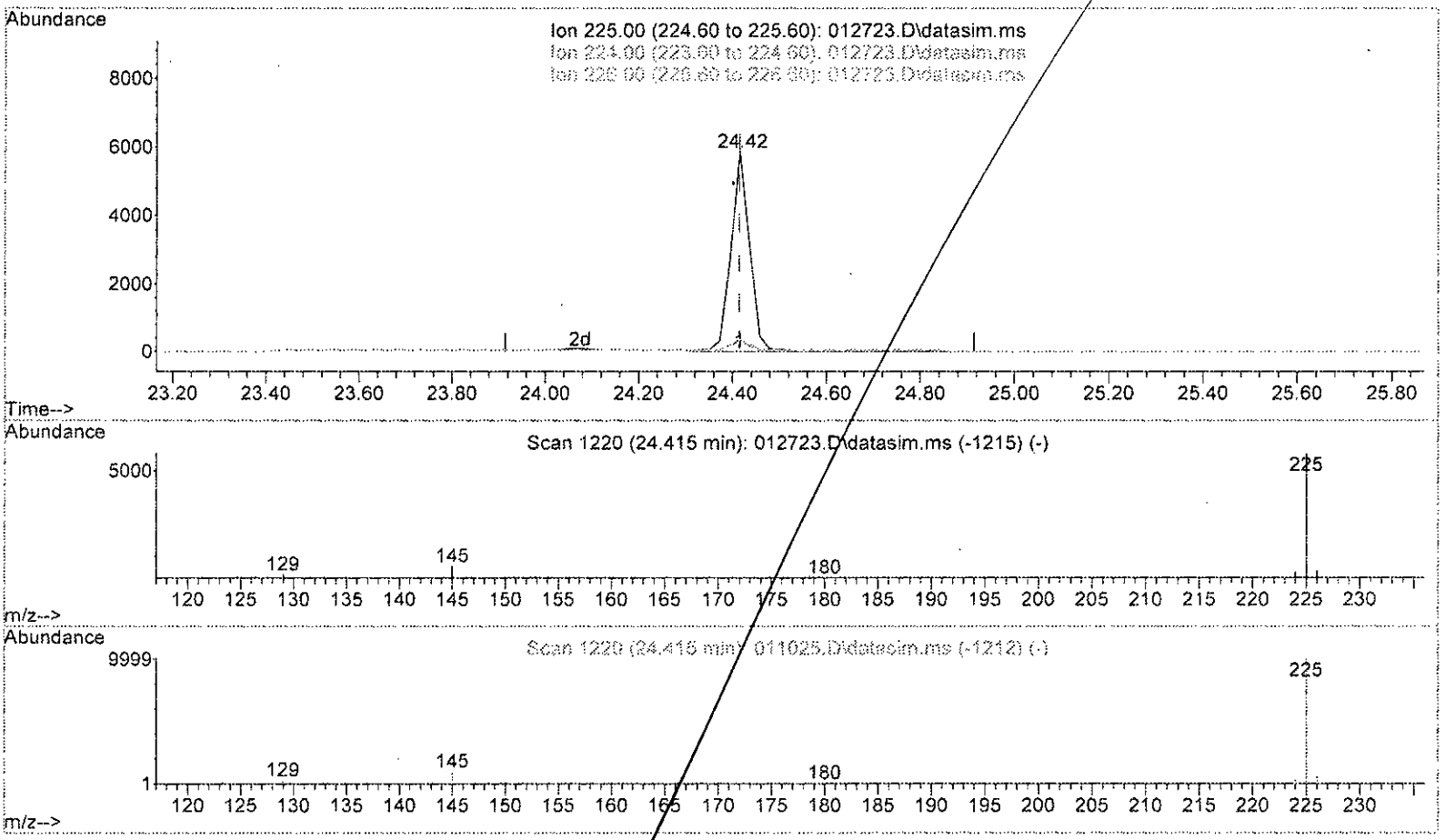
response 15249

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	38.03
148.00	63.20	67.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.555 ppbv

response 16734

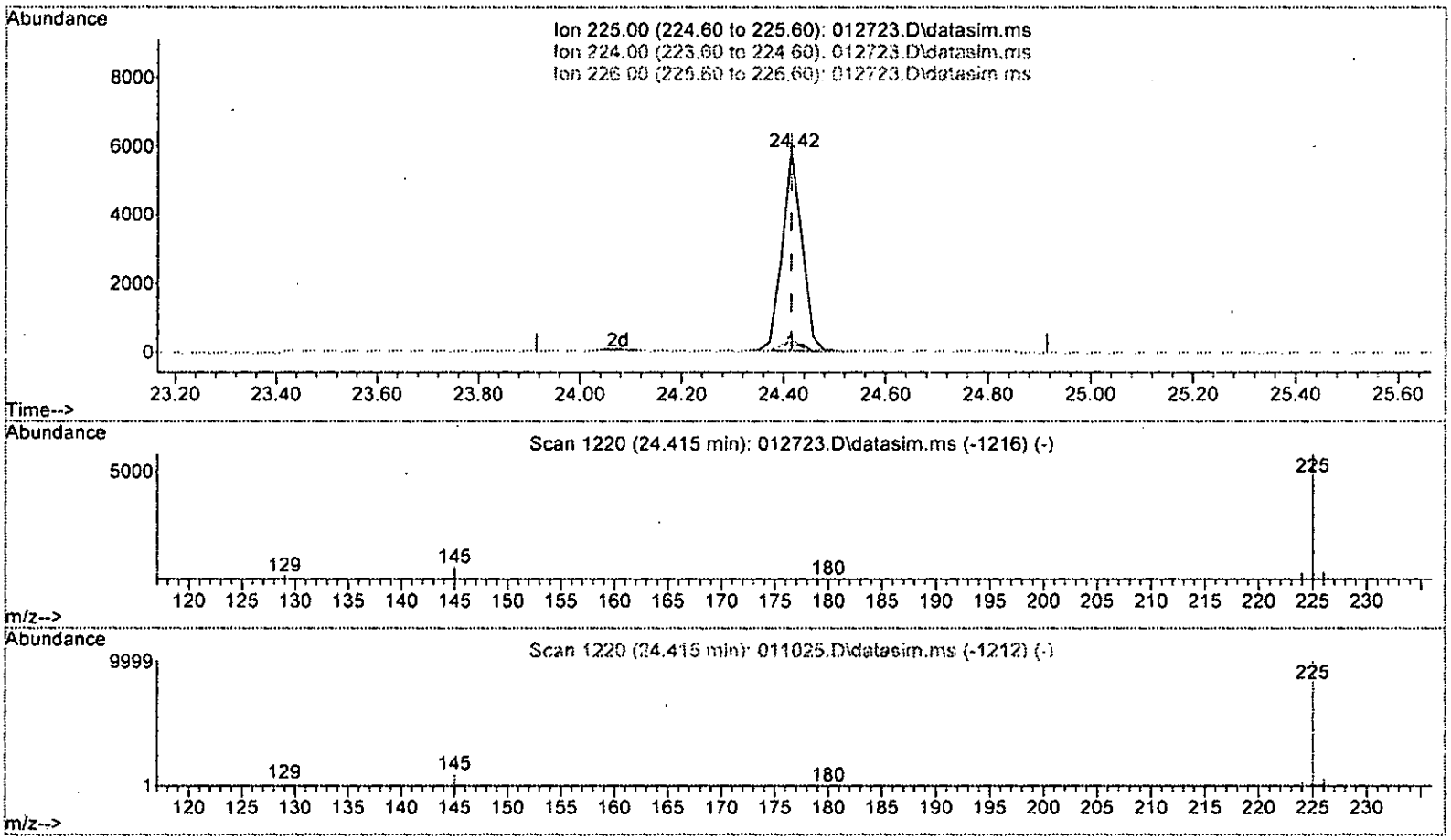
Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	5.25
226.00	5.20	6.19
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012723.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.517 ppbv m

response 15614

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	5.25
226.00	5.20	6.19
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	79545	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.13	114	348334	10.000	ppbv		0.02
56) Chlorobenzene-d5	18.12	117	294274	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	189253	9.678	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.80%				
Target Compounds							Qvalue
2) Propene	3.41	41	5162	0.487	ppbv		80
3) Dichlorodifluoromethane	3.49	85	16488	0.508	ppbv		99
4] Chloromethane	3.69	50	7103m	0.533	ppbv		
5) F-114	3.84	85	18833	0.568	ppbv		94
6] Vinyl chloride	4.05	62	7274	0.534	ppbv		99
7] 1,3-Butadiene	4.17	54	4471	0.521	ppbv	#	79
8) Butane	4.28	43	7088m	0.435	ppbv		
9) Bromomethane	4.60	94	6905	0.512	ppbv		91
10] Chloroethane	4.80	64	2712m	0.538	ppbv		
11] Vinyl bromide	5.28	106	6655m	0.527	ppbv		
12) Ethanol	4.92	45	2843	0.500	ppbv		80
13] Acrolein	5.36	56	1937m	0.464	ppbv		
14) Pentane	6.23	43	10425	0.560	ppbv		92
15) Trichlorofluoromethane	5.80	101	19571	0.551	ppbv		84
16) Acetone	5.53	58	3589m	0.617	ppbv		
17) 2-Propanol	5.78	45	11270	0.502	ppbv	#	99
18] 1,1-Dichloroethene	6.60	96	6458	0.533	ppbv		88
19] trans-1,2-Dichloroethene	8.07	96	6403	0.537	ppbv	#	73
20) Methylene chloride	6.75	84	5739	0.501	ppbv		95
21) t-Butyl alcohol (TBA)	6.57	59	9066	0.482	ppbv	#	55
22) 3-Chloropropene	6.91	41	7845	0.514	ppbv		94
23) CFC-113	7.12	101	15309	0.569	ppbv		93
24) Carbon disulfide	7.22	76	21406	0.549	ppbv		87
25) Methyl t-butyl ether (...	8.41	73	12241	0.485	ppbv		92
26) Vinyl acetate	8.51	43	14110m	0.502	ppbv		
27] 1,1-Dichloroethane	8.33	63	13590	0.533	ppbv		97
28] cis-1,2-Dichloroethene	9.62	96	6786	0.524	ppbv		94
29) Hexane	9.99	57	8242	0.507	ppbv		84
30] Chloroform	10.07	83	16097	0.537	ppbv		97
31) Ethyl acetate	9.92	43	14352m	0.514	ppbv		
32) Tetrahydrofuran	10.74	42	6546	0.443	ppbv		95
33) 2-Butanone (MEK)	8.91	72	2258	0.528	ppbv		95
34] 1,2-Dichloroethane (EDC)	11.32	62	9929m	0.528	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	13576m	0.541	ppbv		
36] Carbon tetrachloride	12.84	117	13879	0.526	ppbv		98
37] Benzene	12.59	78	21478m	0.507	ppbv		
38) Cyclohexane	13.05	84	5559	0.540	ppbv		97
40] 1,2-Dichloropropane	13.79	63	10037m	0.519	ppbv		

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

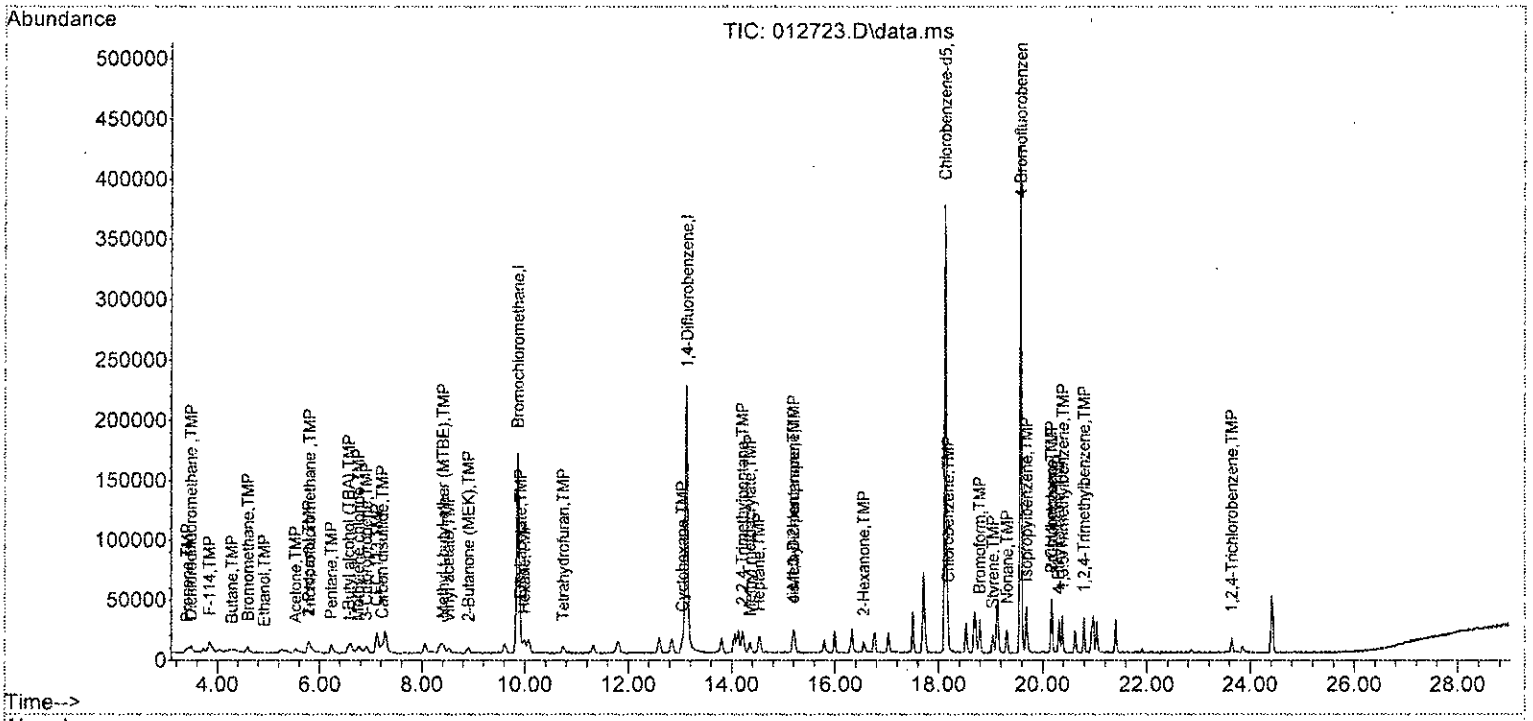
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	4178	0.517	ppbv		88
42) 2,2,4-Trimethylpentane	14.20	57	30358	0.537	ppbv		97
43) Methyl methacrylate	14.35	41	7515	0.477	ppbv		90
44) Heptane	14.52	43	10473	0.455	ppbv		92
45] Bromodichloromethane	14.04	83	16676	0.529	ppbv		98
46] Trichloroethene	14.11	95	10640	0.527	ppbv		80
47) cis-1,3-Dichloropropene	15.20	75	12200	0.557	ppbv		95
48) 4-Methyl-2-pentanone	15.20	100	795	0.537	ppbv	#	20
49] trans-1,3-Dichloropropene	15.78	75	10269	0.498	ppbv		87
50] Toluene	16.31	92	14207	0.555	ppbv		95
51] 1,1,2-Trichloroethane	15.99	83	9888m	0.522	ppbv		
52) 2-Hexanone	16.55	43	12228	0.465	ppbv		95
53] Tetrachloroethene	17.51	164	9047	0.549	ppbv		92
54] Dibromochloromethane	16.75	129	16344	0.514	ppbv		99
55] 1,2-Dibromoethane (EDB)	17.03	107	15116m	0.527	ppbv		
57) Chlorobenzene	18.18	112	18185	0.537	ppbv		94
58] Ethylbenzene	18.52	91	27757	0.482	ppbv		97
59] 1,1,2,2-Tetrachloroethane	19.11	83	23895	0.526	ppbv		91
60) Nonane	19.32	43	12233	0.409	ppbv	#	91
61) Isopropylbenzene	19.69	105	26919	0.490	ppbv		98
62) 2-Chlorotoluene	20.17	126	6475	0.474	ppbv		72
63) Propylbenzene	20.17	91	45587	0.452	ppbv		96
64) 4-Ethyltoluene	20.31	105	20163	0.421	ppbv		98
65] m,p-Xylene	18.70	106	18109	0.961	ppbv		99
66] o-Xylene	19.15	106	9204	0.492	ppbv		100
67) Styrene	19.04	104	11325	0.458	ppbv		98
68) Bromoform	18.79	173	15371	0.492	ppbv		100
70] Benzyl chloride	20.94	91	14970	0.470	ppbv		99
71) 1,3,5-Trimethylbenzene	20.38	105	20750	0.458	ppbv		100
72) 1,2,4-Trimethylbenzene	20.79	105	16378	0.418	ppbv		93
73] 1,3-Dichlorobenzene	20.97	146	14089	0.470	ppbv		99
74] 1,4-Dichlorobenzene	21.04	146	13456	0.491	ppbv		98
75] 1,2-Dichlorobenzene	21.41	146	15249m	0.498	ppbv		
76) 1,2,4-Trichlorobenzene	23.64	180	5491	0.402	ppbv		77
77] Naphthalene	23.84	128	9226	0.473	ppbv		100
78] Hexachlorobutadiene	24.42	225	15614m	0.517	ppbv		

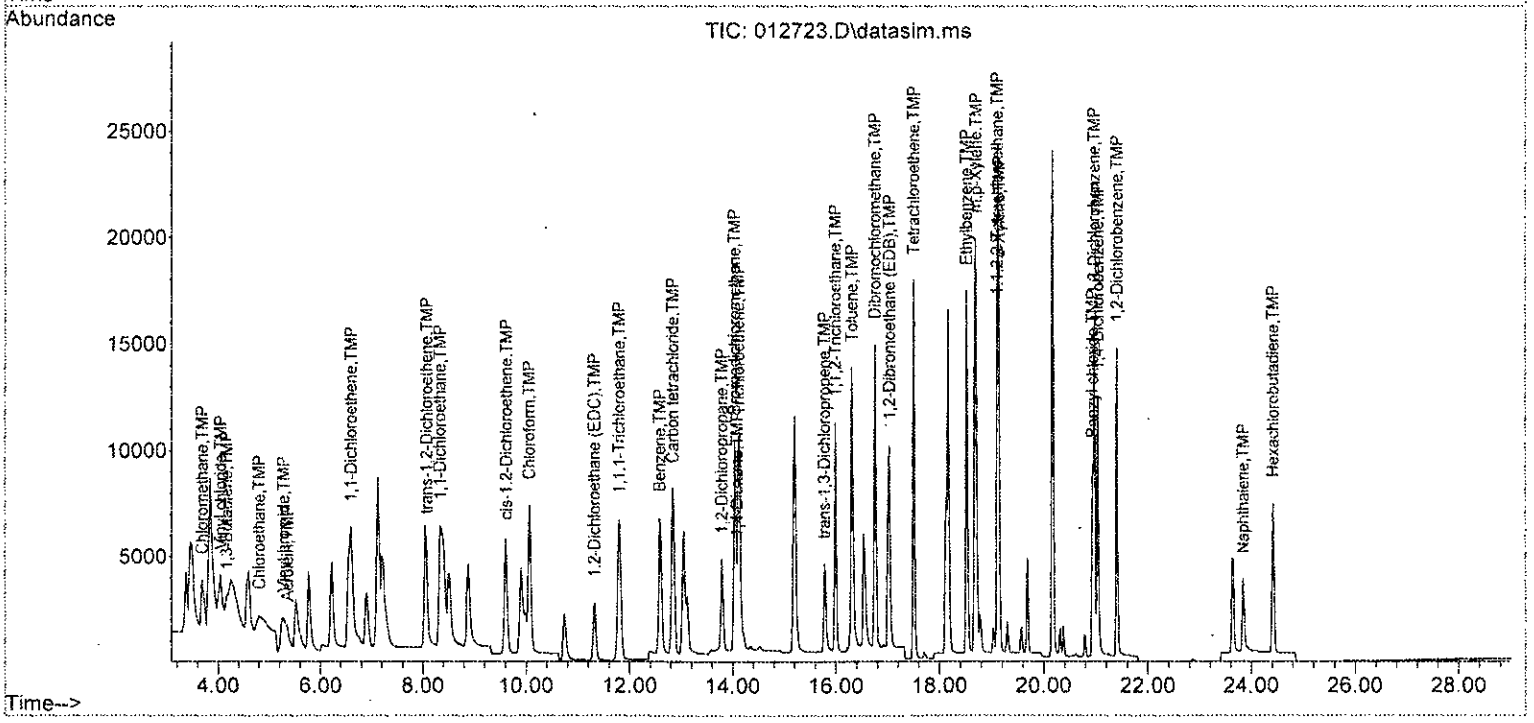
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	0.500	0.487	2.6	100	0.00
3	TMP	Dichlorodifluoromethane	0.500	0.508	-1.6	100	0.00
4	TMP	Chloromethane	0.500	0.533	-6.6	101	0.00
5	TMP	F-114	0.500	0.568	-13.6	100	0.00
6	TMP	Vinyl chloride	0.500	0.534	-6.8	100	0.00
7	TMP	1,3-Butadiene	0.500	0.521	-4.2	100	0.00
8	TMP	Butane	0.500	0.435	13.0	100	0.00
9	TMP	Bromomethane	0.500	0.512	-2.4	100	0.00
10	TMP	Chloroethane	0.500	0.538	-7.6	99	0.00
11	TMP	Vinyl bromide	0.500	0.527	-5.4	100	0.00
12	TMP	Ethanol	0.500	0.500	0.0	100	0.00
13	TMP	Acrolein	0.500	0.464	7.2	102	-0.02
14	TMP	Pentane	0.500	0.560	-12.0	100	0.00
15	TMP	Trichlorofluoromethane	0.500	0.551	-10.2	100	0.00
16	TMP	Acetone	0.500	0.617	-23.4	91	0.00
17	TMP	2-Propanol	0.500	0.502	-0.4	100	0.02
18	TMP	1,1-Dichloroethene	0.500	0.533	-6.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	0.500	0.537	-7.4	100	0.00
20	TMP	Methylene chloride	0.500	0.501	-0.2	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	0.500	0.482	3.6	100	0.03
22	TMP	3-Chloropropene	0.500	0.514	-2.8	100	0.00
23	TMP	CFC-113	0.500	0.569	-13.8	100	0.00
24	TMP	Carbon disulfide	0.500	0.549	-9.8	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	0.500	0.485	3.0	100	0.00
26	TMP	Vinyl acetate	0.500	0.502	-0.4	100	0.00
27	TMP	1,1-Dichloroethane	0.500	0.533	-6.6	100	0.00
28	TMP	cis-1,2-Dichloroethene	0.500	0.524	-4.8	100	0.02
29	TMP	Hexane	0.500	0.507	-1.4	100	0.00
30	TMP	Chloroform	0.500	0.537	-7.4	100	0.00
31	TMP	Ethyl acetate	0.500	0.514	-2.8	100	0.02
32	TMP	Tetrahydrofuran	0.500	0.443	11.4	100	0.00
33	TMP	2-Butanone (MEK)	0.500	0.528	-5.6	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	0.500	0.528	-5.6	99	0.00
35	TMP	1,1,1-Trichloroethane	0.500	0.541	-8.2	100	0.00
36	TMP	Carbon tetrachloride	0.500	0.526	-5.2	100	0.00
37	TMP	Benzene	0.500	0.507	-1.4	100	0.00
38	TMP	Cyclohexane	0.500	0.540	-8.0	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	0.500	0.519	-3.8	96	0.00
41	TMP	1,4-Dioxane	0.500	0.517	-3.4	100	0.02
42	TMP	2,2,4-Trimethylpentane	0.500	0.537	-7.4	100	0.00
43	TMP	Methyl methacrylate	0.500	0.477	4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.500	0.455	9.0	100	0.00
45	TMP	Bromodichloromethane	0.500	0.529	-5.8	100	0.00
46	TMP	Trichloroethene	0.500	0.527	-5.4	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.500	0.557	-11.4	100	0.02
48	TMP	4-Methyl-2-pentanone	0.500	0.537	-7.4	100	-0.02
49	TMP	trans-1,3-Dichloropropene	0.500	0.498	0.4	100	0.00
50	TMP	Toluene	0.500	0.555	-11.0	107	0.00
51	TMP	1,1,2-Trichloroethane	0.500	0.522	-4.4	100	0.00
52	TMP	2-Hexanone	0.500	0.465	7.0	100	0.00
53	TMP	Tetrachloroethene	0.500	0.549	-9.8	100	0.00
54	TMP	Dibromochloromethane	0.500	0.514	-2.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.500	0.527	-5.4	99	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	0.500	0.537	-7.4	100	0.02
58	TMP	Ethylbenzene	0.500	0.482	3.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	0.500	0.526	-5.2	100	0.00
60	TMP	Nonane	0.500	0.409	18.2	100	0.02
61	TMP	Isopropylbenzene	0.500	0.490	2.0	100	0.00
62	TMP	2-Chlorotoluene	0.500	0.474	5.2	100	0.00
63	TMP	Propylbenzene	0.500	0.452	9.6	100	0.00
64	TMP	4-Ethyltoluene	0.500	0.421	15.8	100	0.00
65	TMP	m,p-Xylene	1.000	0.961	3.9	100	0.00
66	TMP	o-Xylene	0.500	0.492	1.6	100	0.00
67	TMP	Styrene	0.500	0.458	8.4	100	0.00
68	TMP	Bromoform	0.500	0.492	1.6	100	0.00
69	S	4-Bromofluorobenzene	10.000	9.678	3.2	100	0.00
70	TMP	Benzyl chloride	0.500	0.470	6.0	99	0.02
71	TMP	1,3,5-Trimethylbenzene	0.500	0.458	8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	0.500	0.418	16.4	100	0.00
73	TMP	1,3-Dichlorobenzene	0.500	0.470	6.0	100	0.00
74	TMP	1,4-Dichlorobenzene	0.500	0.491	1.8	100	0.01
75	TMP	1,2-Dichlorobenzene	0.500	0.498	0.4	101	0.00
76	TMP	1,2,4-Trichlorobenzene	0.500	0.402	19.6	100	0.00
77	TMP	Naphthalene	0.500	0.473	5.4	100	0.00
78	TMP	Hexachlorobutadiene	0.500	0.517	-3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.298	-0.9	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.146	-1.6	100	0.00
4	TMP	Chloromethane	1.676	1.786	-6.6	101	0.00
5	TMP	F-114	4.169	4.735	-13.6	100	0.00
6	TMP	Vinyl chloride	1.712	1.829	-6.8	100	0.00
7	TMP	1,3-Butadiene	1.078	1.124	-4.3	100	0.00
8	TMP	Butane	2.051	1.782	13.1	100	0.00
9	TMP	Bromomethane	1.696	1.736	-2.4	100	0.00
10	TMP	Chloroethane	0.634	0.682	-7.6	99	0.00
11	TMP	Vinyl bromide	1.588	1.673	-5.4	100	0.00
12	TMP	Ethanol	0.538	0.715	-32.9#	100	0.00
13	TMP	Acrolein	0.525	0.487	7.2	102	-0.02
14	TMP	Pentane	2.340	2.621	-12.0	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.921	-10.1	100	0.00
16	TMP	Acetone	0.731	0.902	-23.4	91	0.00
17	TMP	2-Propanol	2.824	2.834	-0.4	100	0.02
18	TMP	1,1-Dichloroethene	1.523	1.624	-6.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.610	-7.4	100	0.00
20	TMP	Methylene chloride	1.441	1.443	-0.1	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.364	2.279	3.6	100	0.03
22	TMP	3-Chloropropene	1.917	1.972	-2.9	100	0.00
23	TMP	CFC-113	3.382	3.849	-13.8	100	0.00
24	TMP	Carbon disulfide	4.899	5.382	-9.9	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.078	3.0	100	0.00
26	TMP	Vinyl acetate	3.532	3.548	-0.5	100	0.00
27	TMP	1,1-Dichloroethane	3.205	3.417	-6.6	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.706	-4.9	100	0.02
29	TMP	Hexane	2.044	2.072	-1.4	100	0.00
30	TMP	Chloroform	3.767	4.047	-7.4	100	0.00
31	TMP	Ethyl acetate	3.512	3.609	-2.8	100	0.02
32	TMP	Tetrahydrofuran	1.858	1.646	11.4	100	0.00
33	TMP	2-Butanone (MEK)	0.538	0.568	-5.6	100	0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.496	-5.5	99	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.413	-8.3	100	0.00
36	TMP	Carbon tetrachloride	3.318	3.490	-5.2	100	0.00
37	TMP	Benzene	5.322	5.400	-1.5	100	0.00
38	TMP	Cyclohexane	1.294	1.398	-8.0	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	0.555	0.576	-3.8	96	0.00
41	TMP	1,4-Dioxane	0.232	0.240	-3.4	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.623	1.743	-7.4	100	0.00
43	TMP	Methyl methacrylate	0.452	0.431	4.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012723.D
Acq On : 28 Jan 2023 8:06 am
Operator : bat
Sample : 0.5 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:23:59 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

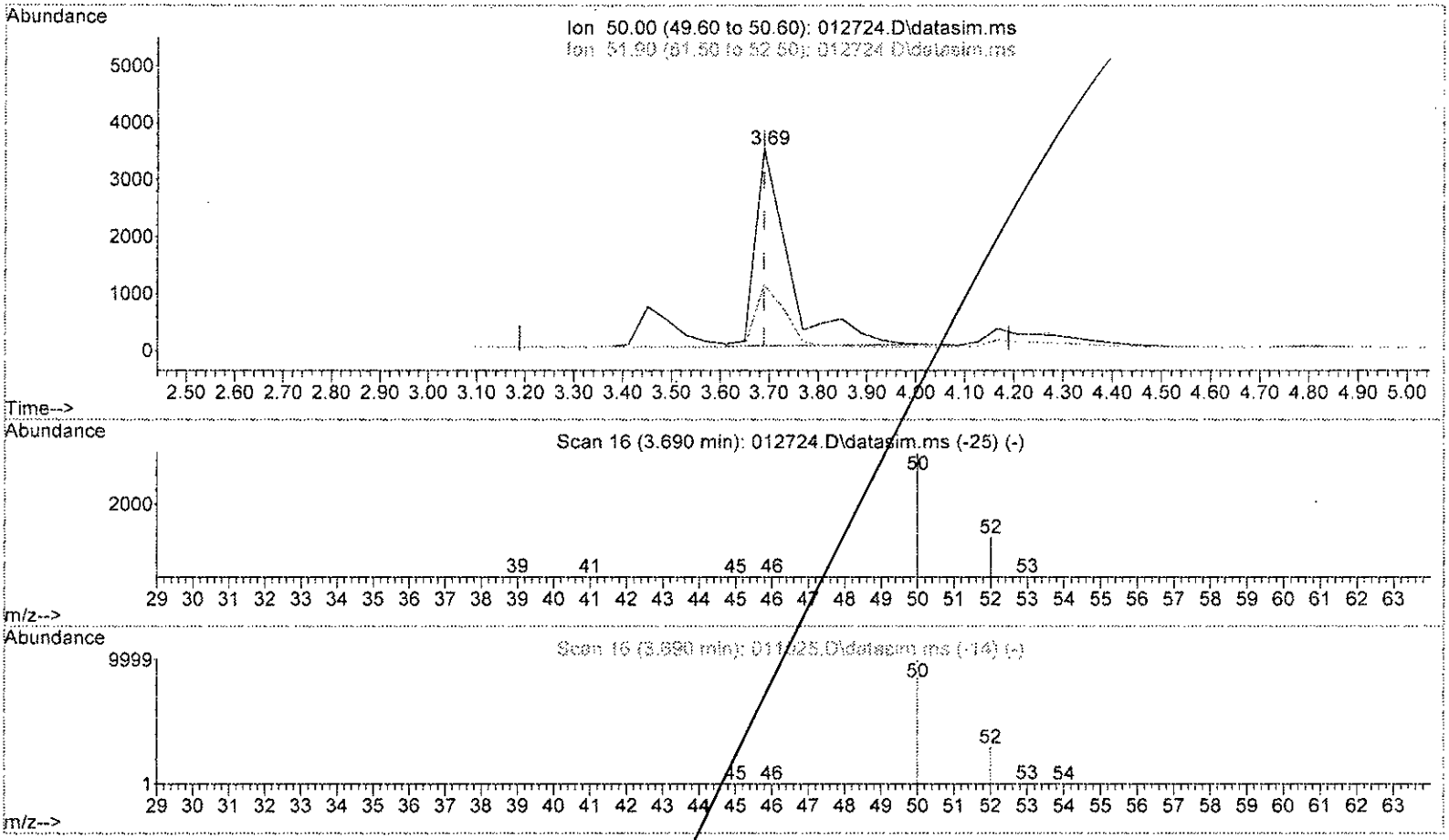
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.601	9.1	100	0.00
45	TMP	Bromodichloromethane	0.905	0.957	-5.7	100	0.00
46	TMP	Trichloroethene	0.579	0.611	-5.5	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.700	-11.3	100	0.02
48	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	-0.02
49	TMP	trans-1,3-Dichloropropene	0.592	0.590	0.3	100	0.00
50	TMP	Toluene	0.734	0.816	-11.2	107	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.568	-4.6	100	0.00
52	TMP	2-Hexanone	0.755	0.702	7.0	100	0.00
53	TMP	Tetrachloroethene	0.473	0.519	-9.7	100	0.00
54	TMP	Dibromochloromethane	0.912	0.938	-2.9	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.868	-5.5	99	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.236	-7.4	100	0.02
58	TMP	Ethylbenzene	1.957	1.886	3.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.624	-5.1	100	0.00
60	TMP	Nonane	1.017	0.831	18.3	100	0.02
61	TMP	Isopropylbenzene	1.868	1.830	2.0	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.440	5.2	100	0.00
63	TMP	Propylbenzene	3.426	3.098	9.6	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.370	15.8	100	0.00
65	TMP	m,p-Xylene	0.641	0.615	4.1	100	0.00
66	TMP	o-Xylene	0.636	0.626	1.6	100	0.00
67	TMP	Styrene	0.840	0.770	8.3	100	0.00
68	TMP	Bromoform	1.062	1.045	1.6	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.643	3.3	100	0.00
70	TMP	Benzyl chloride	1.083	1.017	6.1	99	0.02
71	TMP	1,3,5-Trimethylbenzene	1.539	1.410	8.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.113	16.5	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	0.958	5.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.915	1.7	100	0.01
75	TMP	1,2-Dichlorobenzene	1.040	1.036	0.4	101	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.373	37.3#	100	0.00
77	TMP	Naphthalene	0.967	0.627	35.2#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	1.061	-3.5	100	0.00

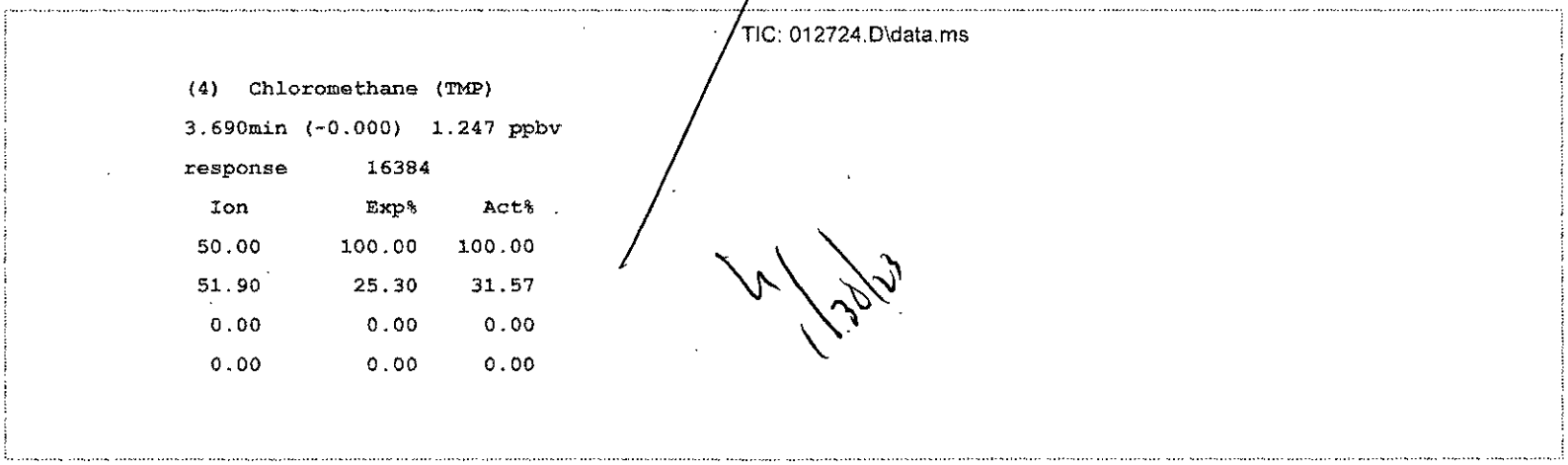
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.690min (-0.000) 1.247 ppbv

response 16384

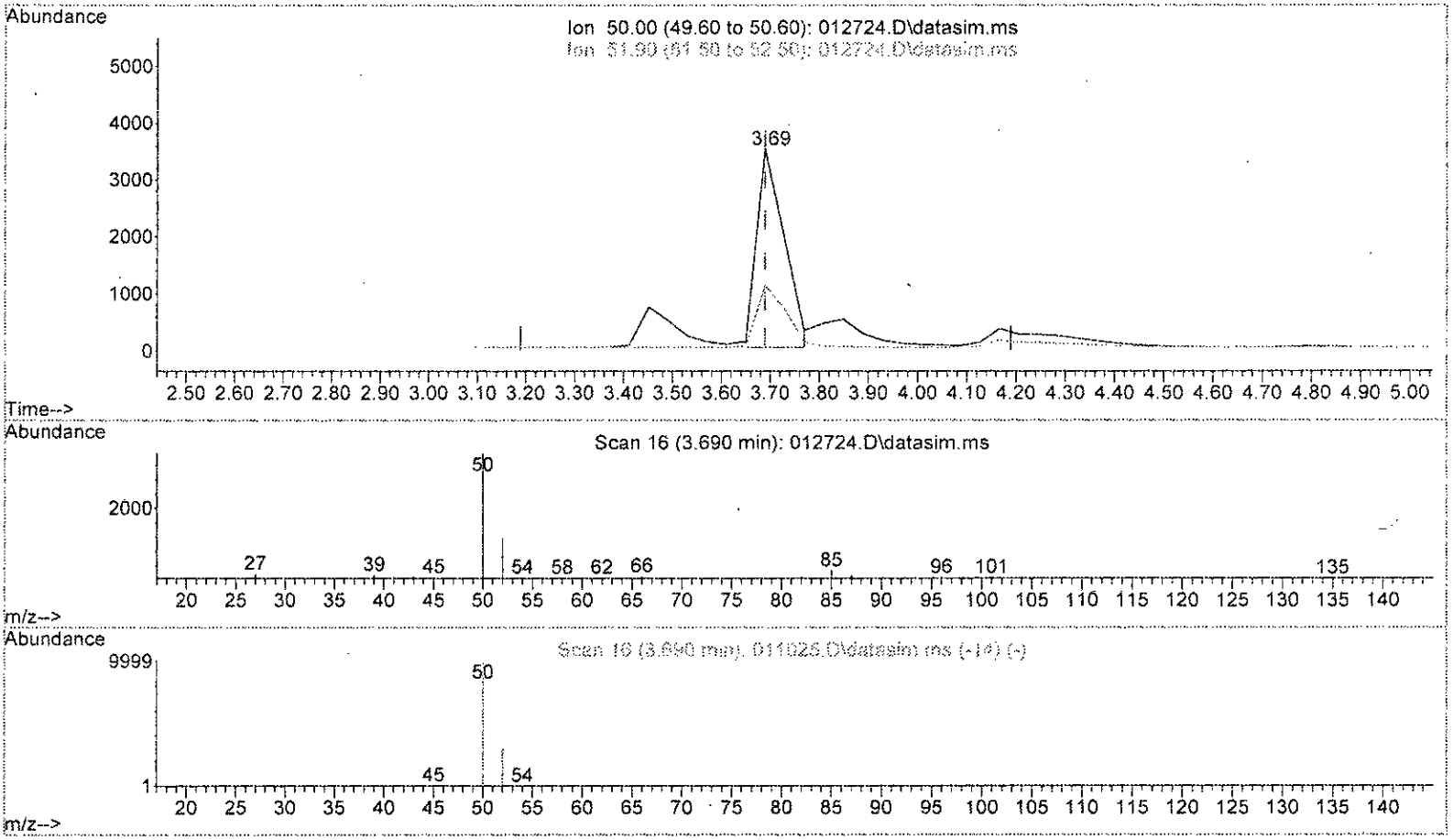
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.57
0.00	0.00	0.00
0.00	0.00	0.00

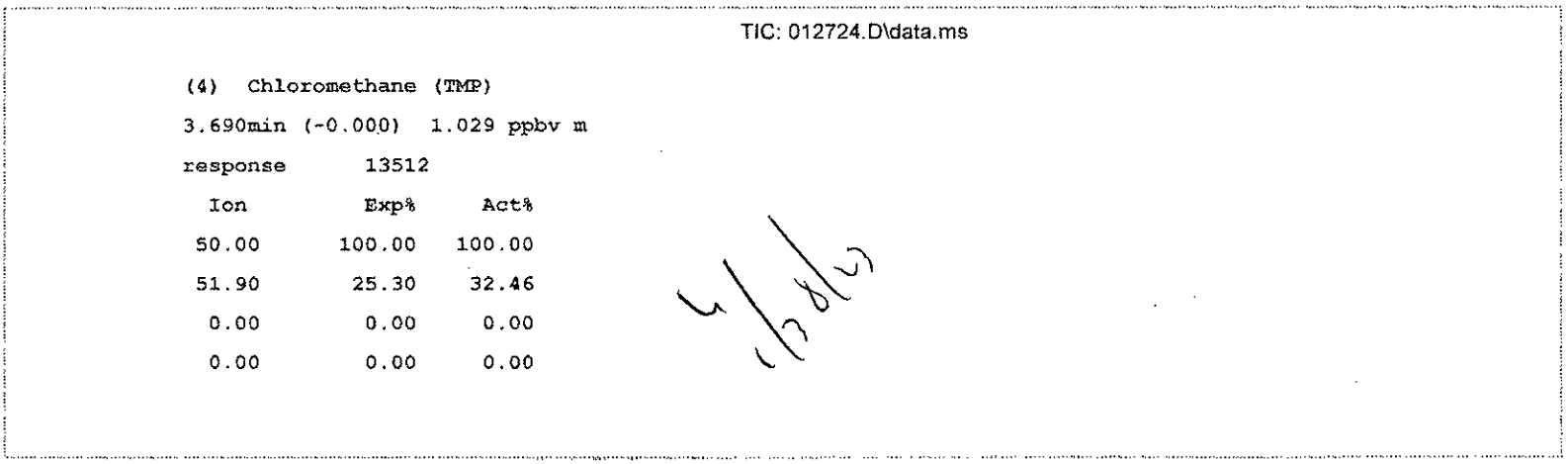
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.690min (-0.000) 1.029 ppbv m

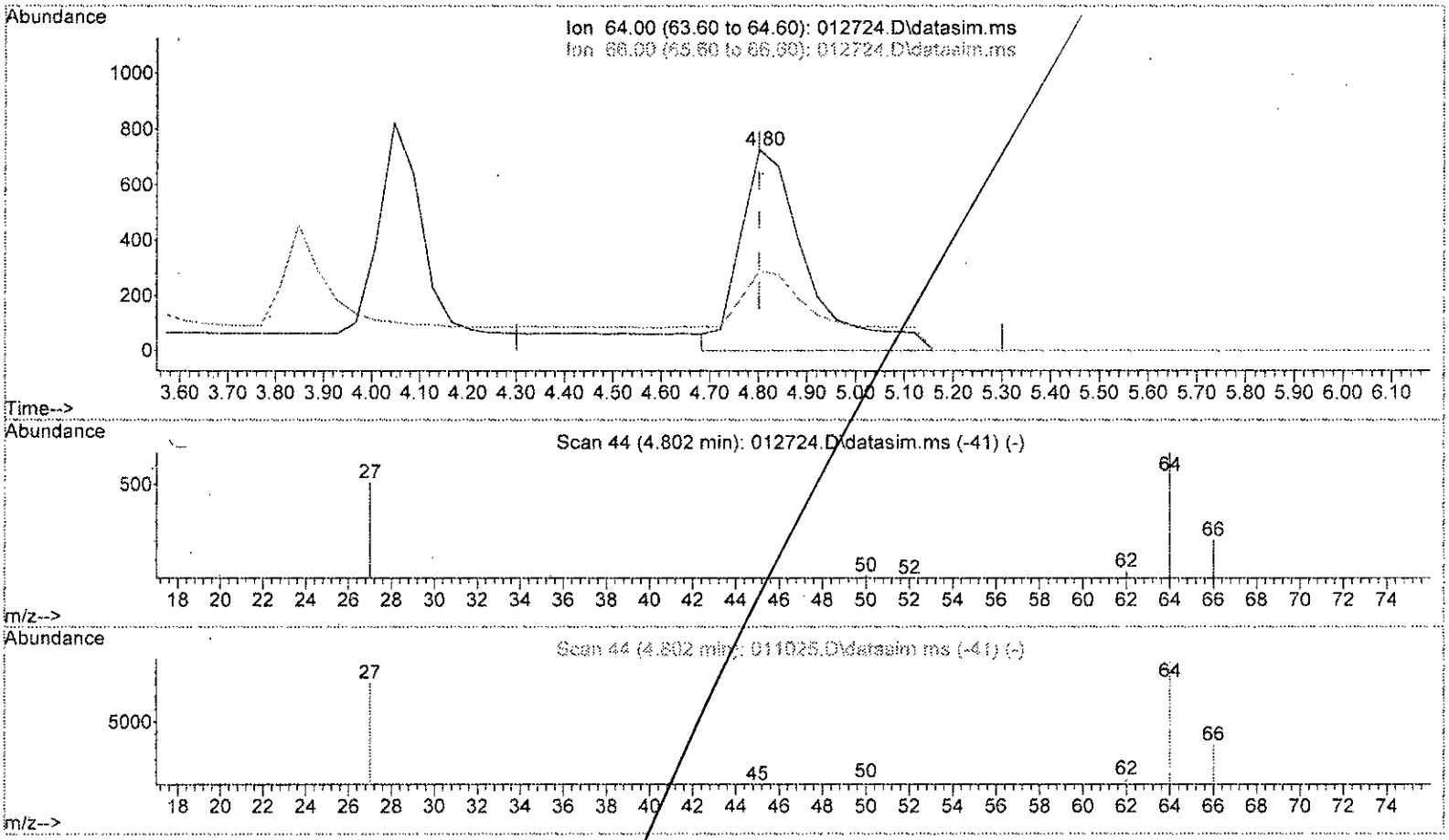
response 13512

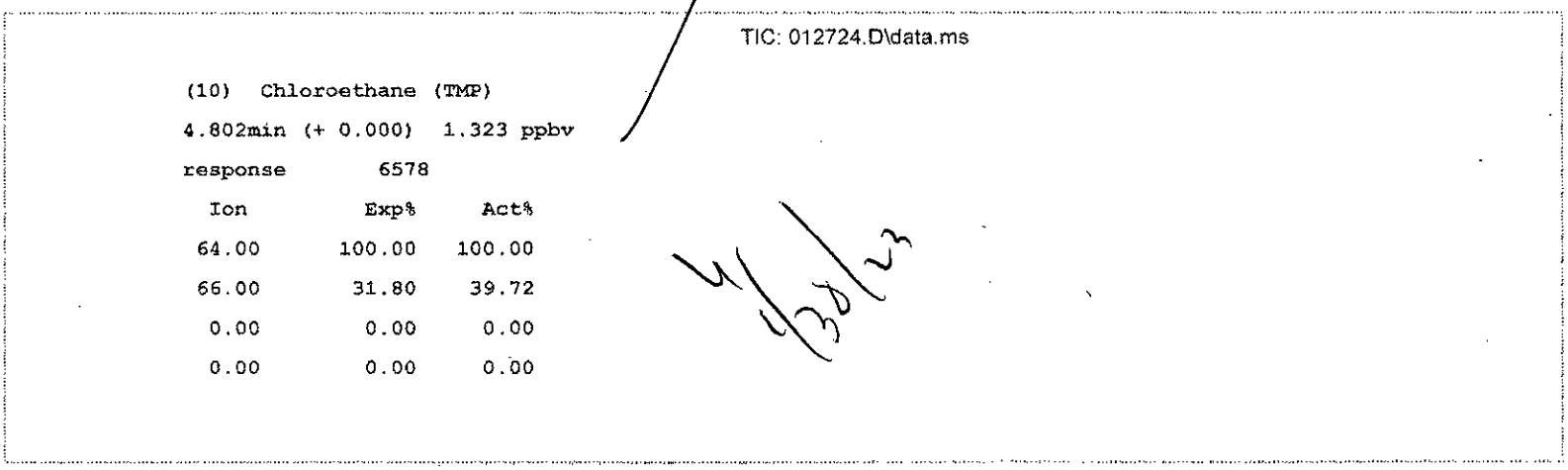
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 1.323 ppbv

response 6578

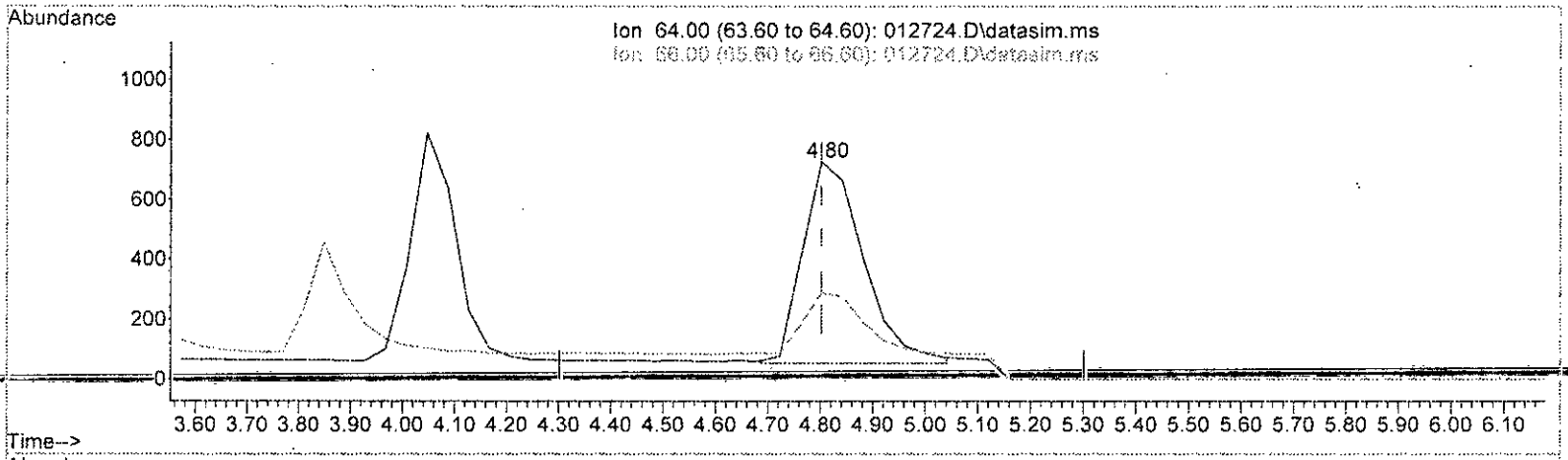
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	39.72
0.00	0.00	0.00
0.00	0.00	0.00

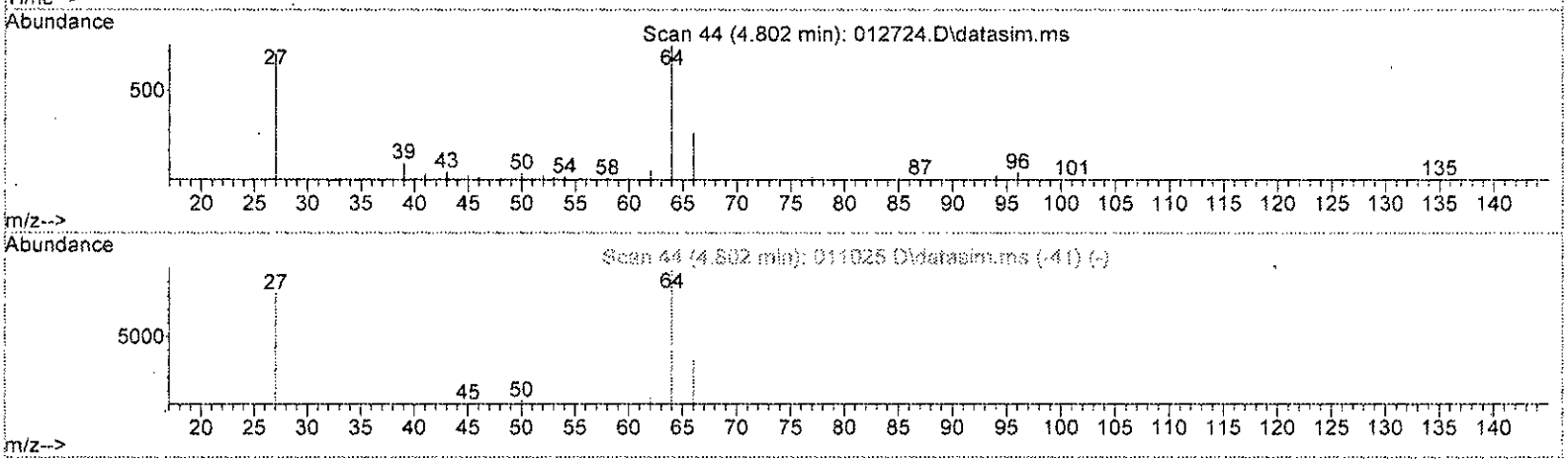
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 012724.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 1.080 ppbv m

response 5367

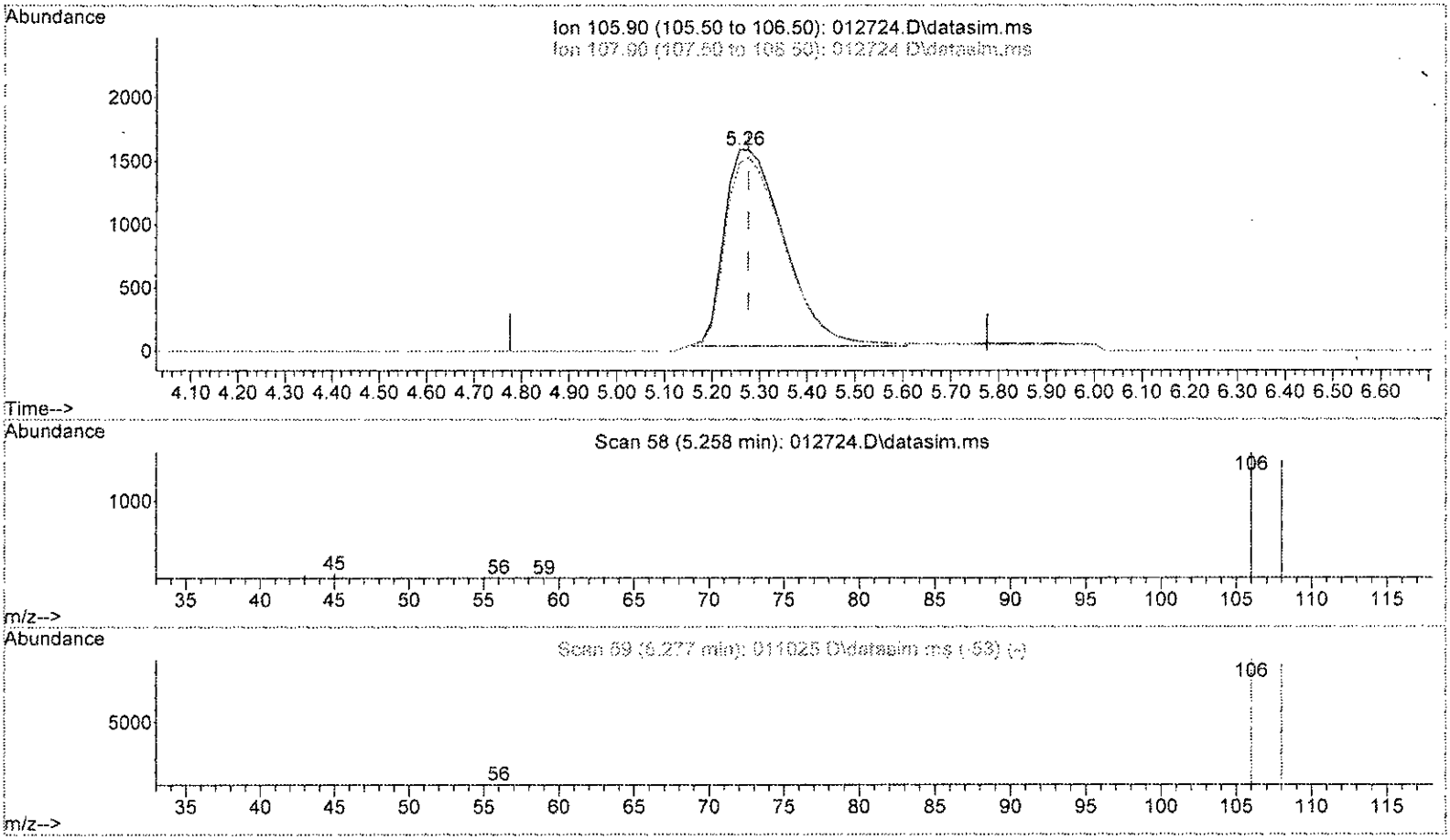
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	39.72
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(11) Vinyl bromide (TMP)

5.258min (-0.019) 1.094 ppbv m

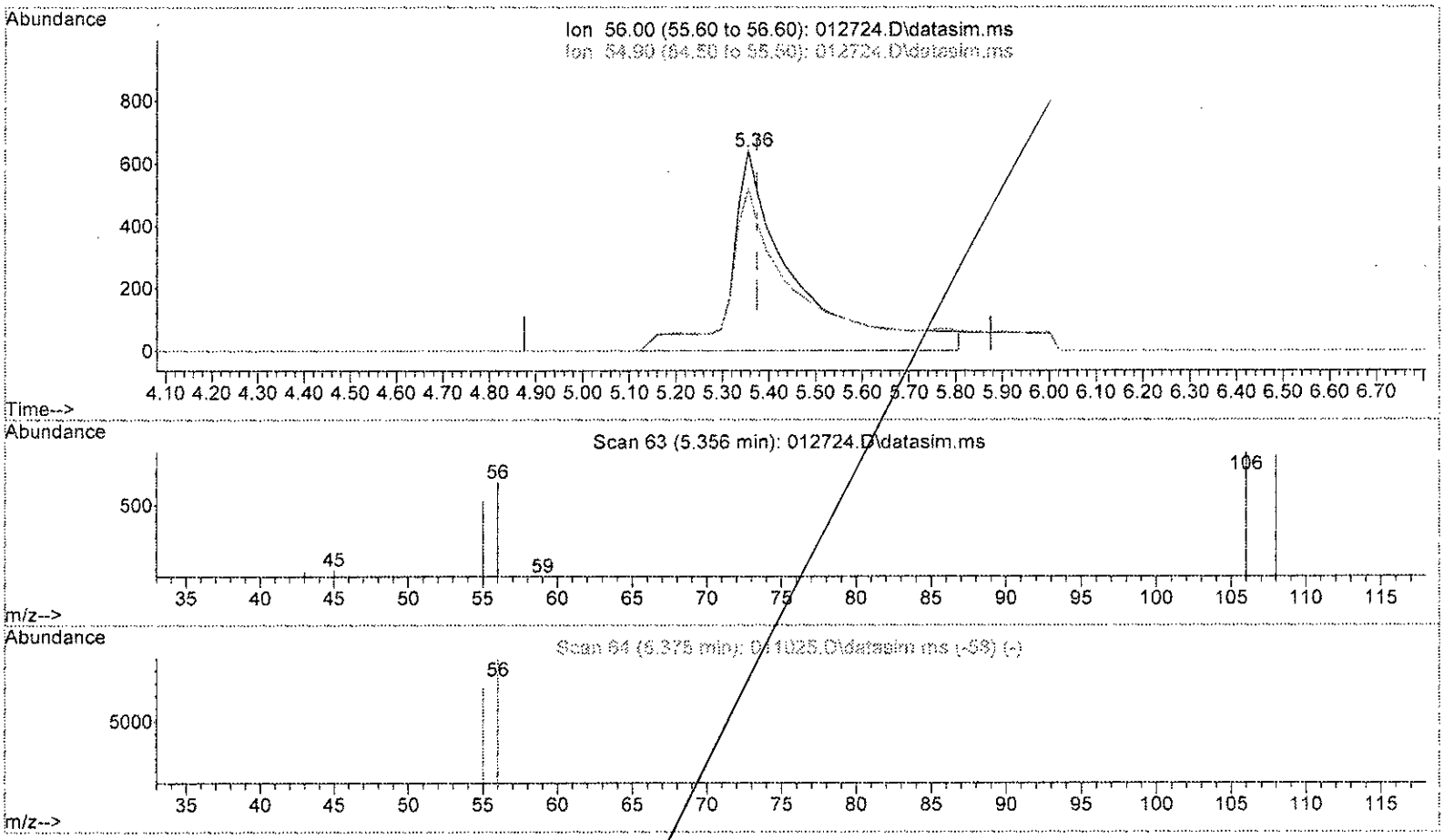
response 13622

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	112.04
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 1.542 ppbv

response 6339

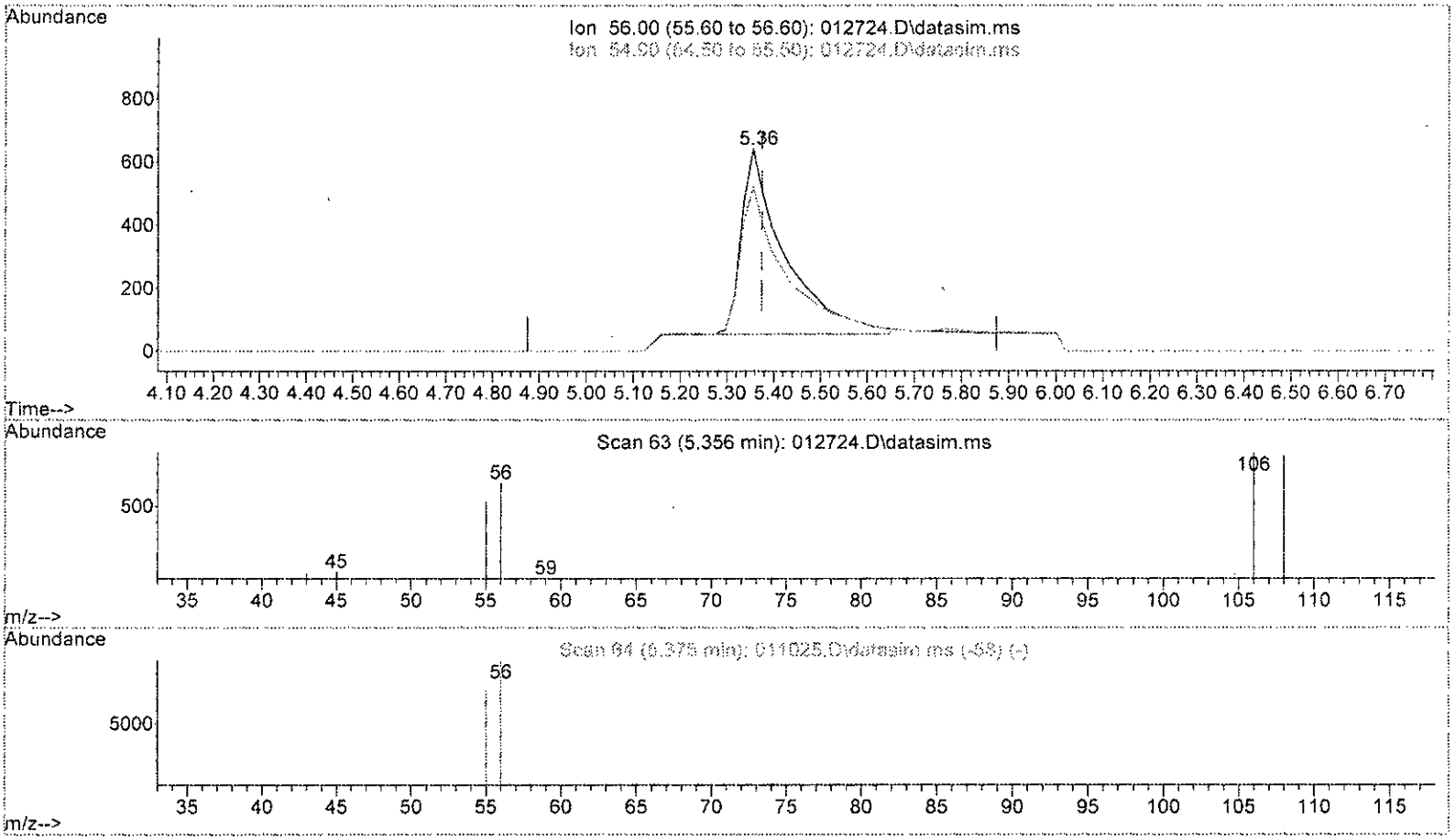
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	58.38
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 0.912 ppbv m

response 3752

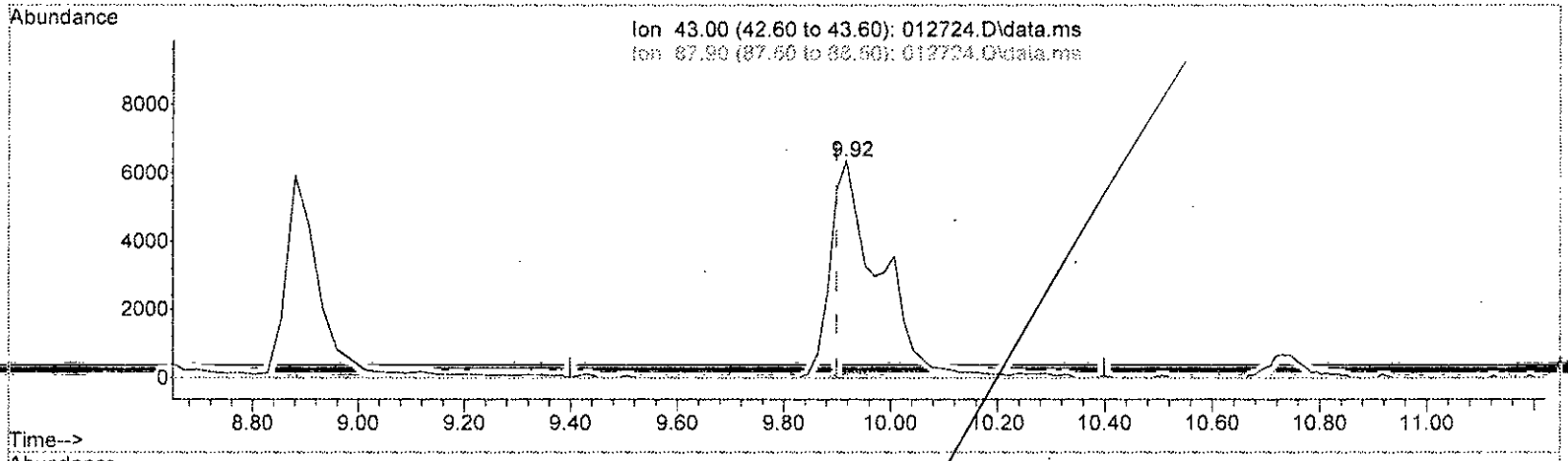
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	98.64
0.00	0.00	0.00
0.00	0.00	0.00

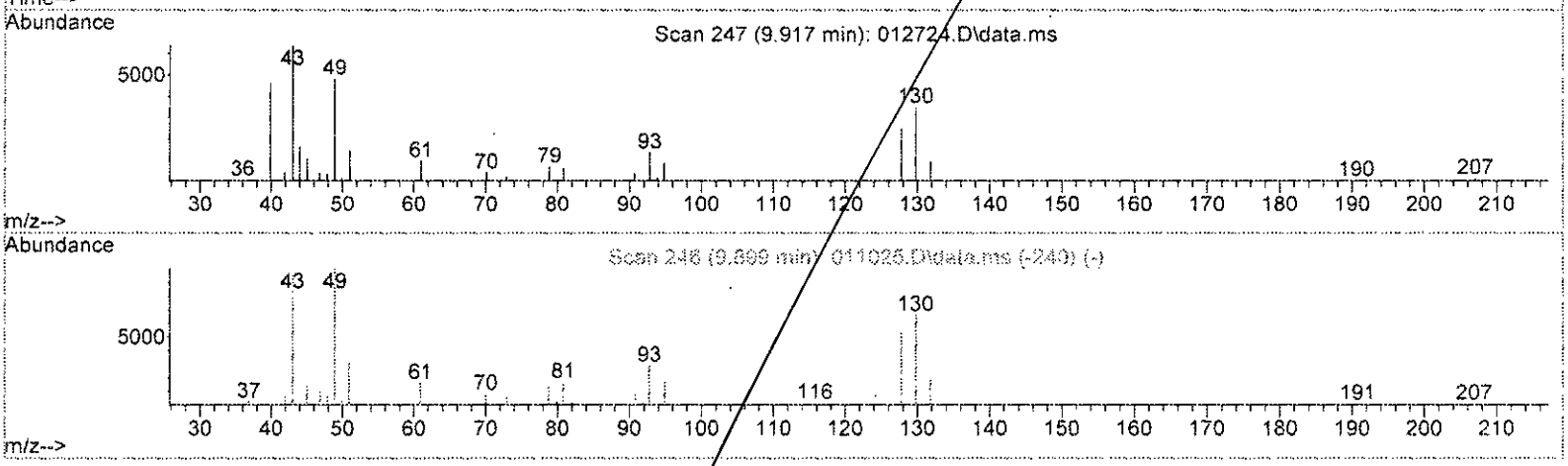
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 012724.D\data.ms

(31) Ethyl acetate (TMP)
9.917min (+ 0.018) 1.455 ppbv
response 40065

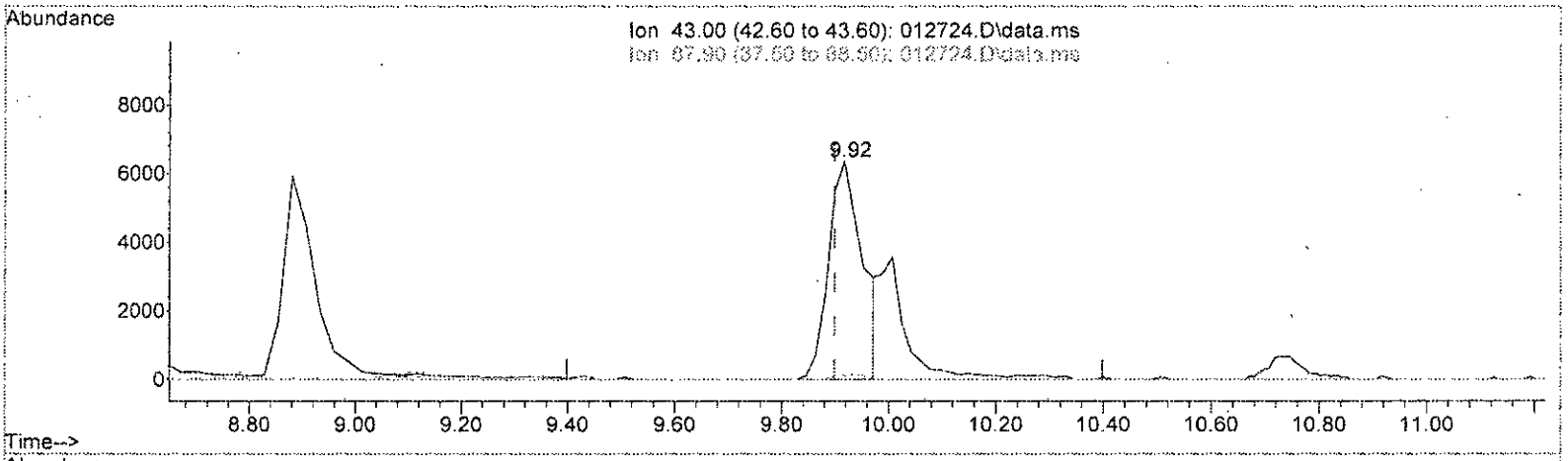
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.30#
0.00	0.00	0.00
0.00	0.00	0.00

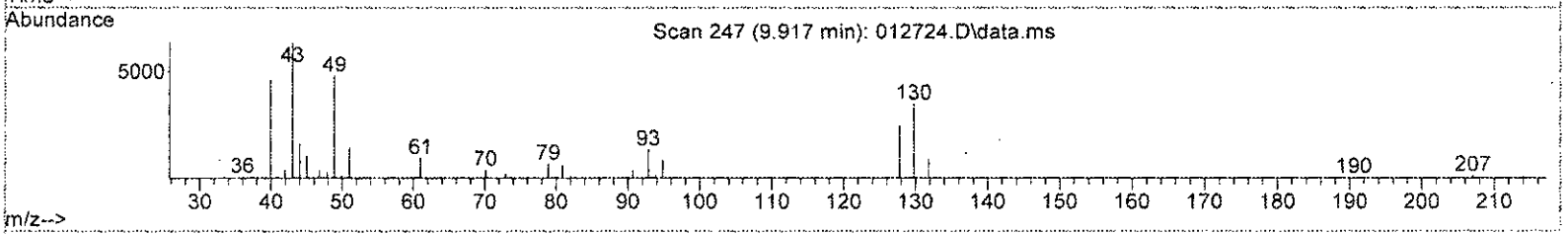
1/30/23

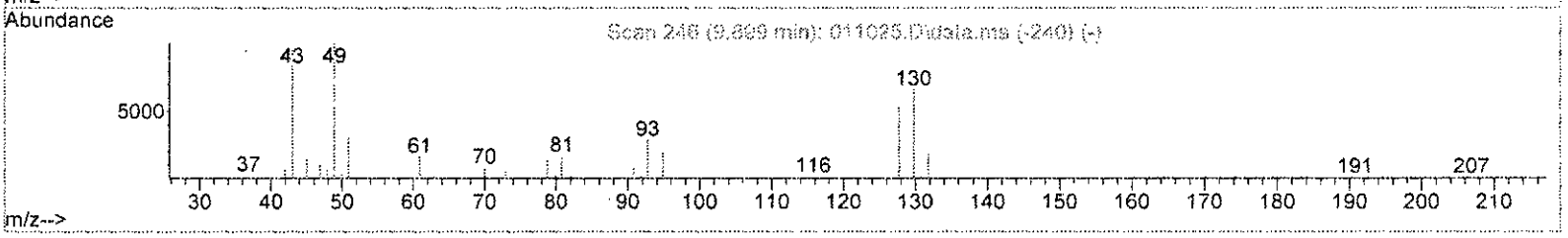
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012724.D\data.ms

(31) Ethyl acetate (TMP)

9.917min (+ 0.018) 1.019 ppbv m

response 28065

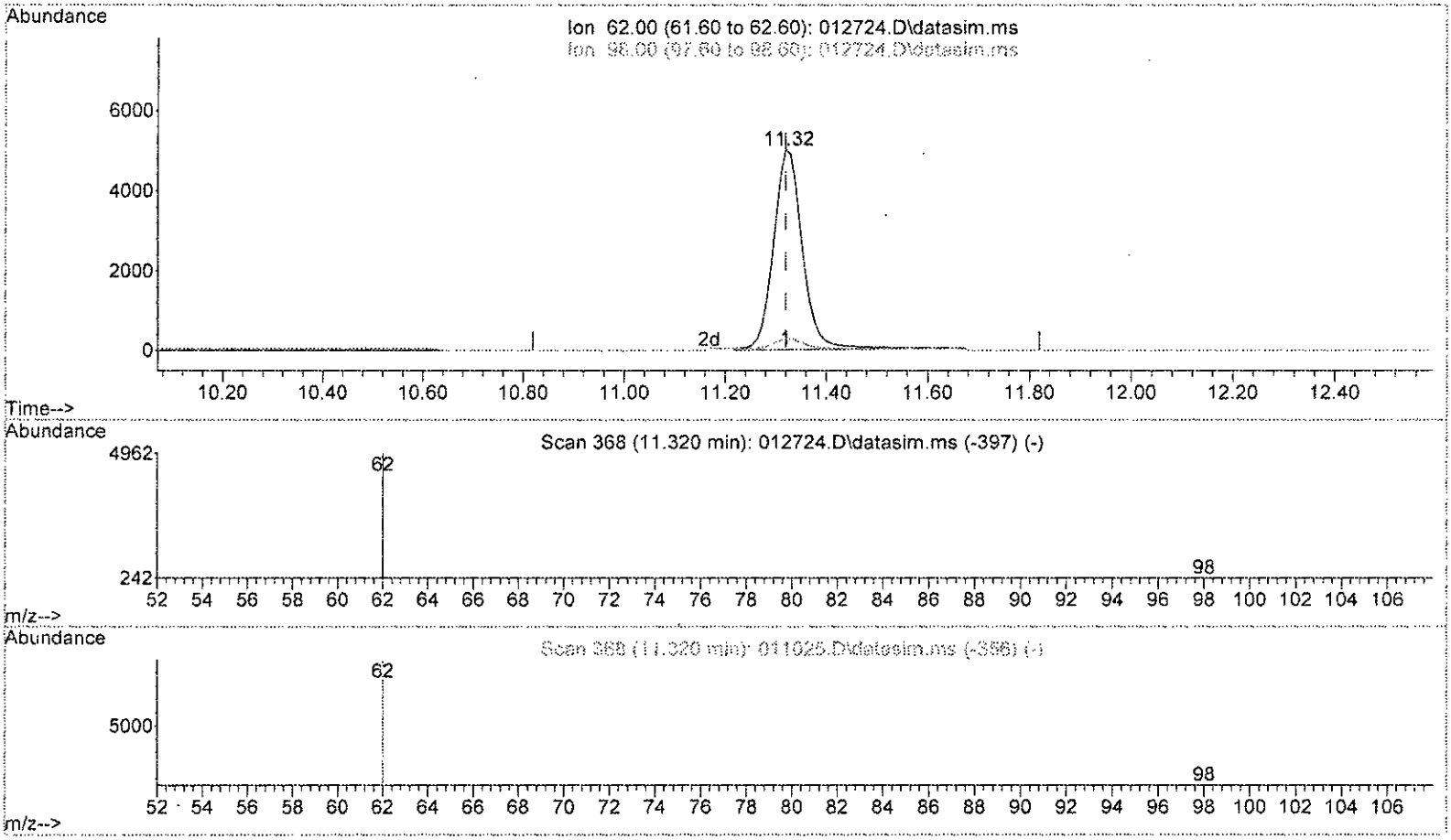
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.86
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 1.074 ppbv

response 19909

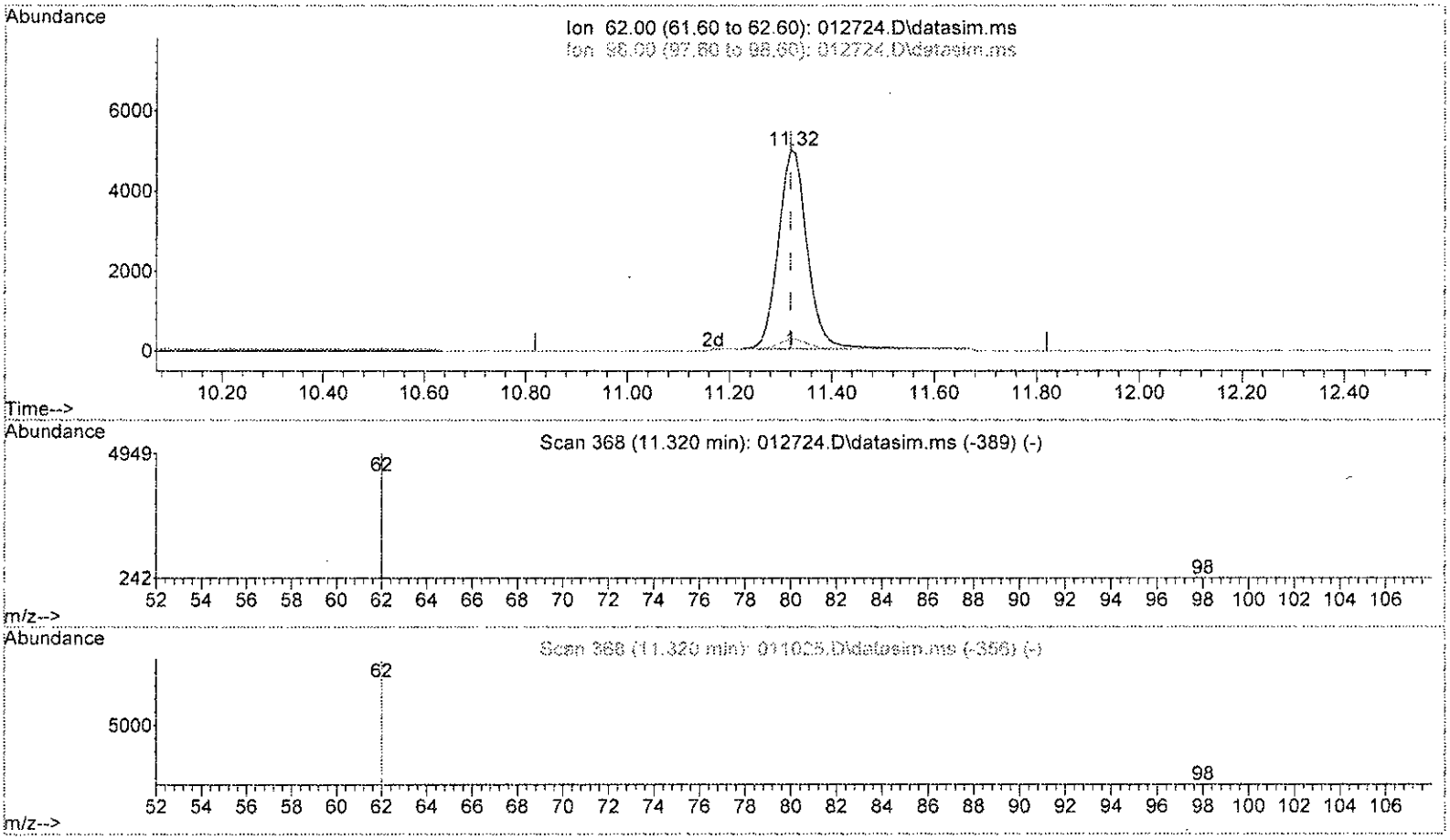
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.89
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.320min (-0.000) 1.044 ppbv m
response 19346

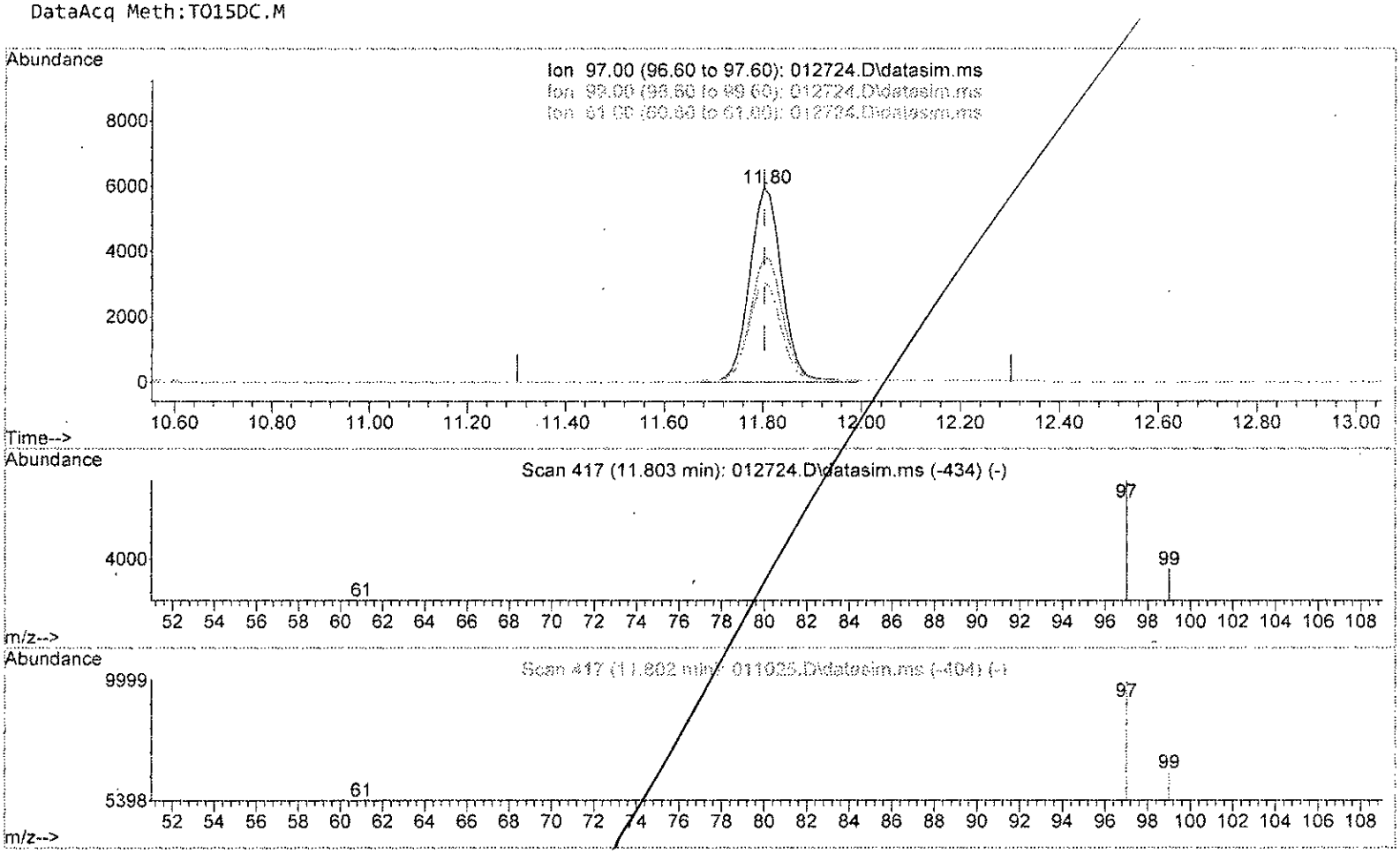
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.83
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 1.089 ppbv

response 26907

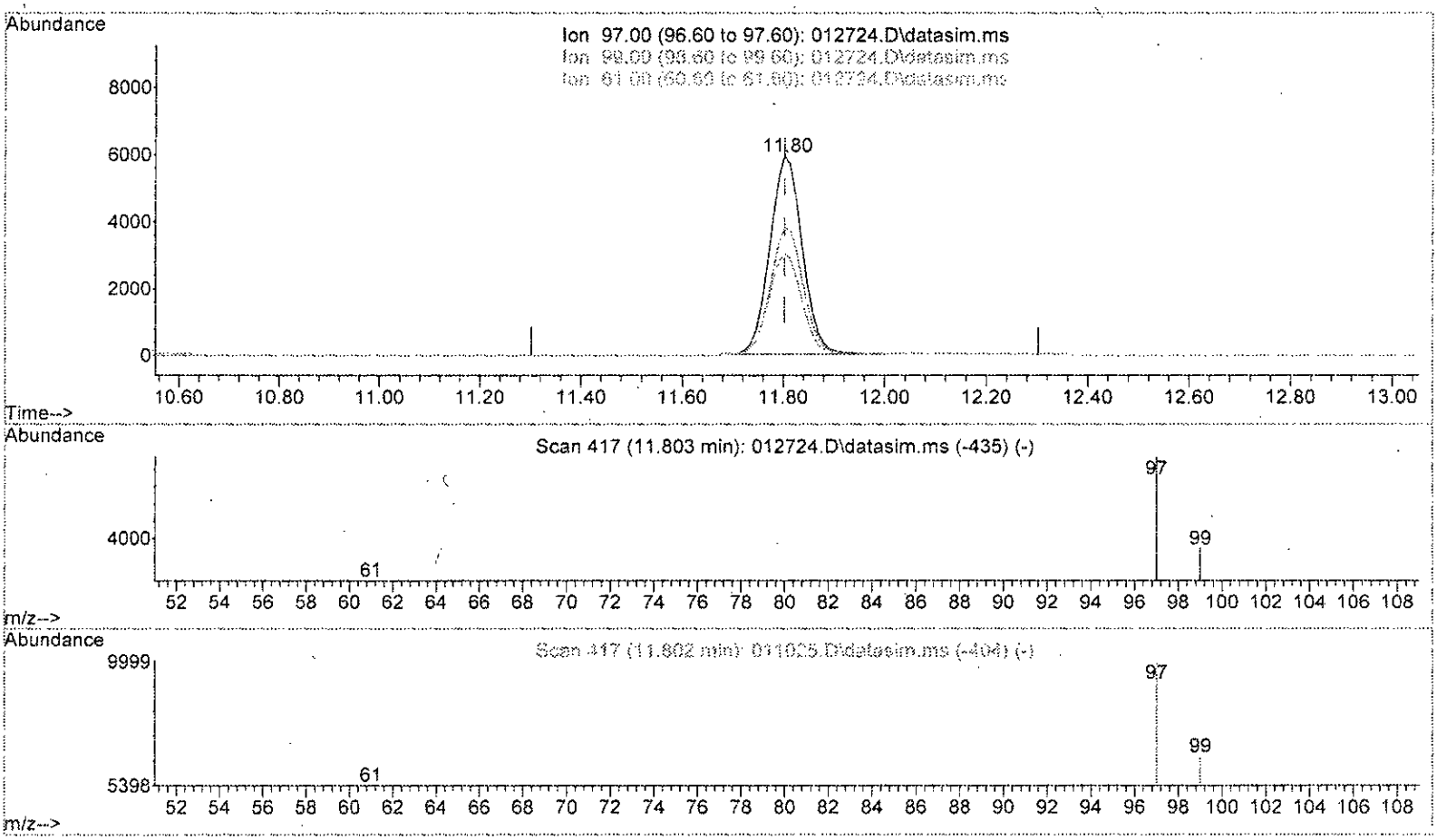
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	63.95
61.00	49.30	51.50
0.00	0.00	0.00

1/30/24

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 1.068 ppbv m

response 26400

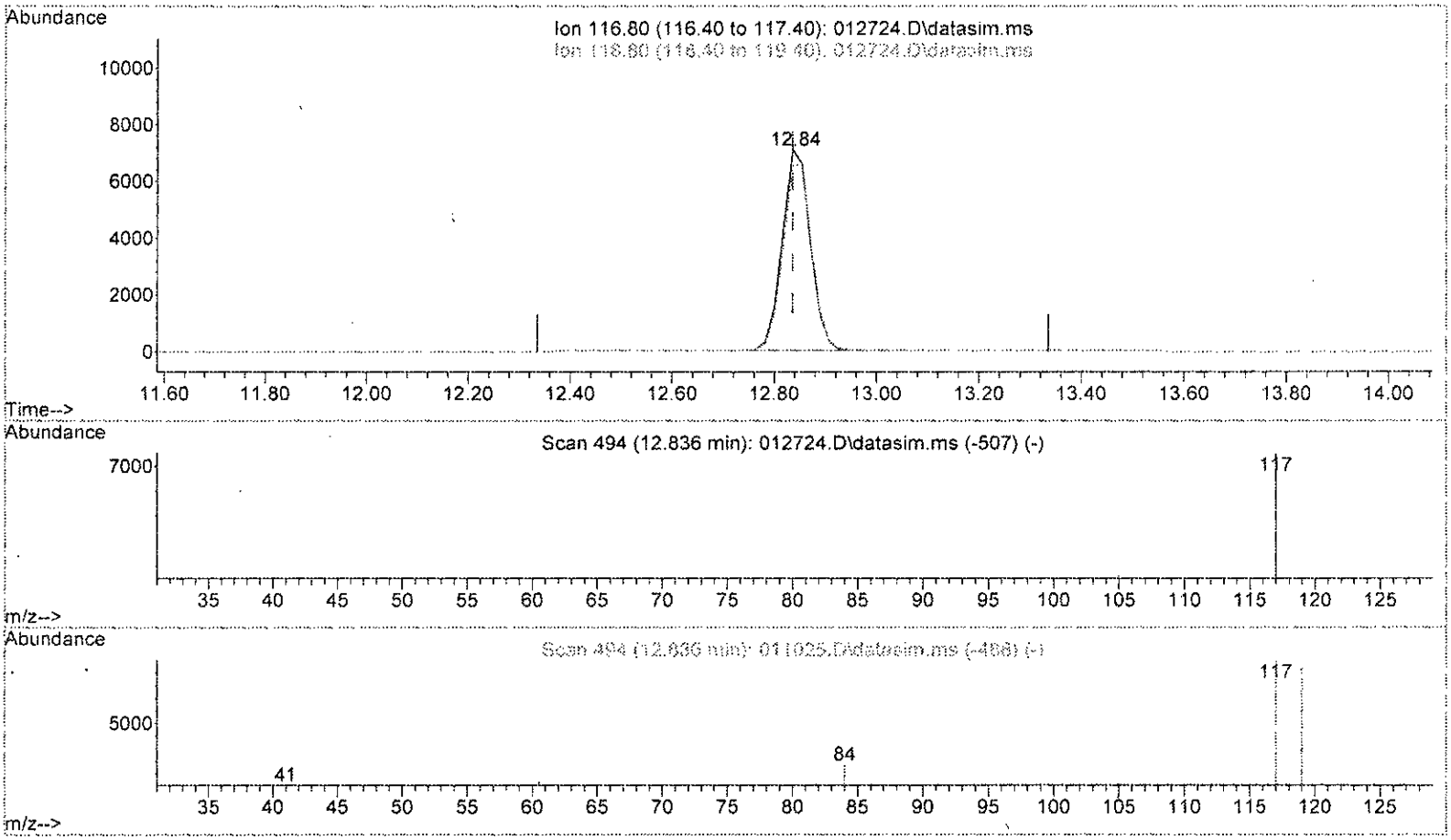
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	63.95
61.00	49.30	51.50
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(36) Carbon tetrachloride (TMP)

12.836min (+ 0.000) 1.039 ppbv

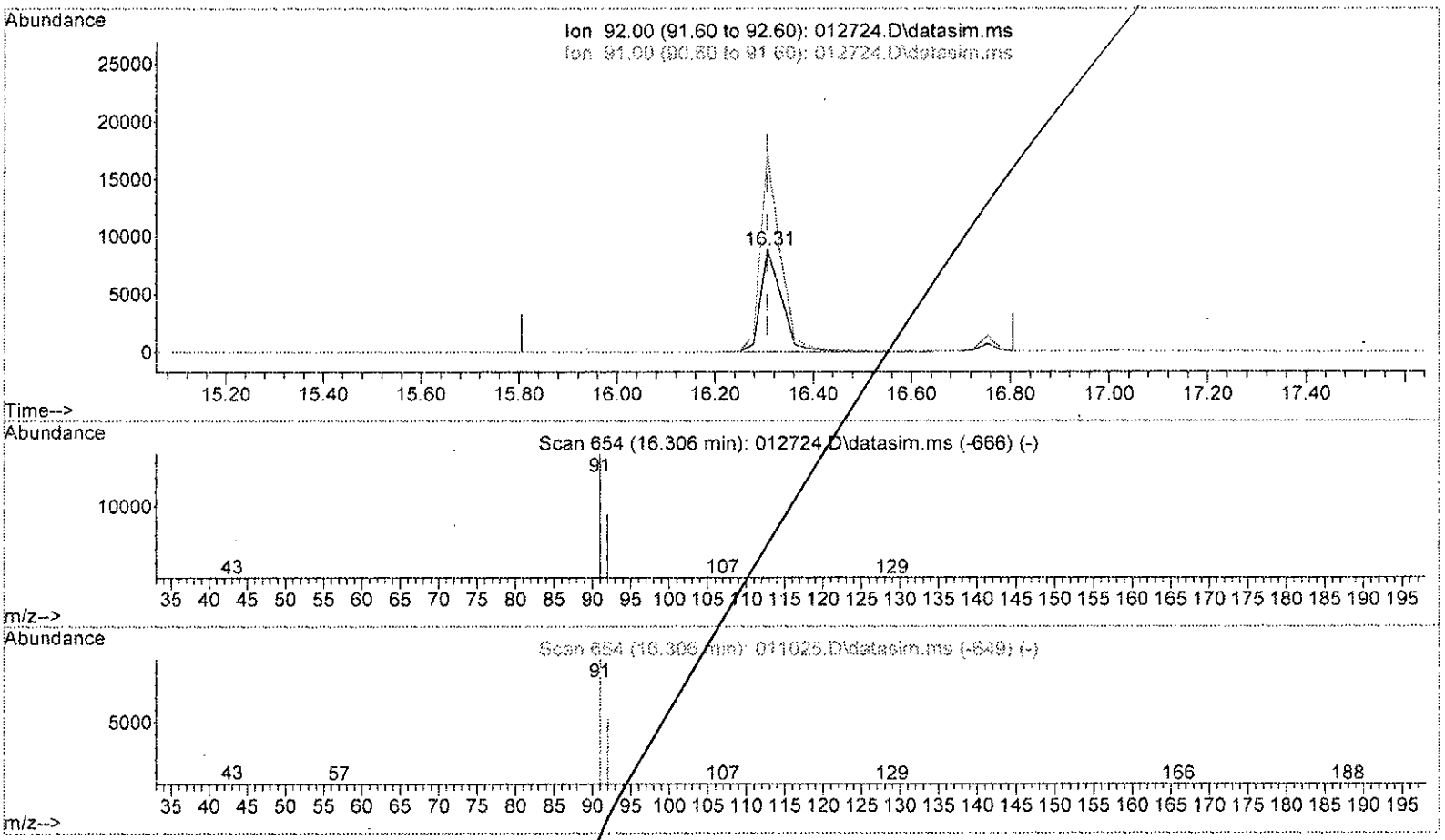
response 27026

Ion	Exp%	Act%
116.80	100.00	100.00
118.80	94.60	92.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(50) Toluene (TMP)

16.306min (+ 0.000) 1.056 ppbv

response 26623

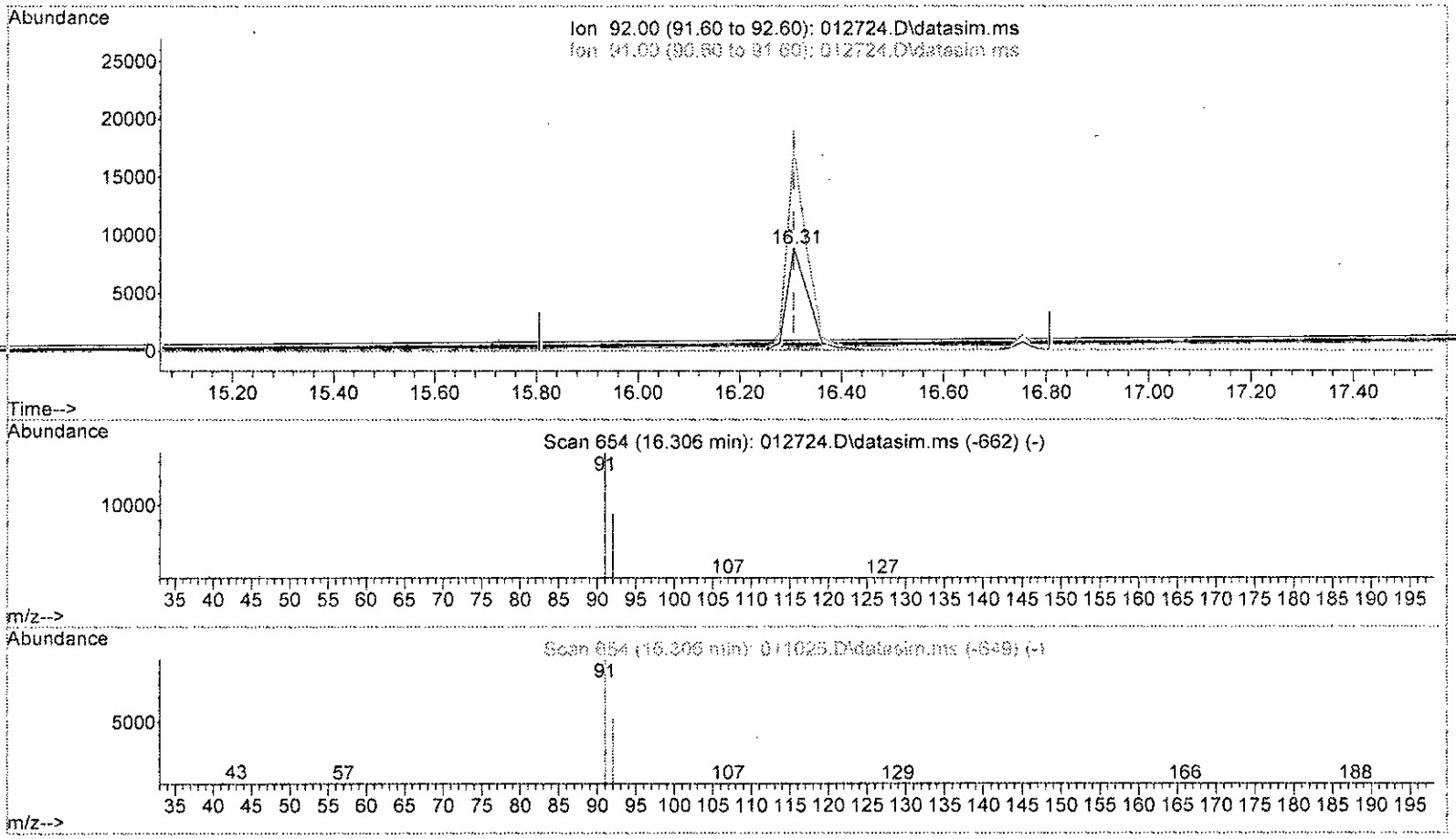
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	195.89
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(50) Toluene (TMP)
16.306min (+ 0.000) 1.021 ppbv m
response 25732

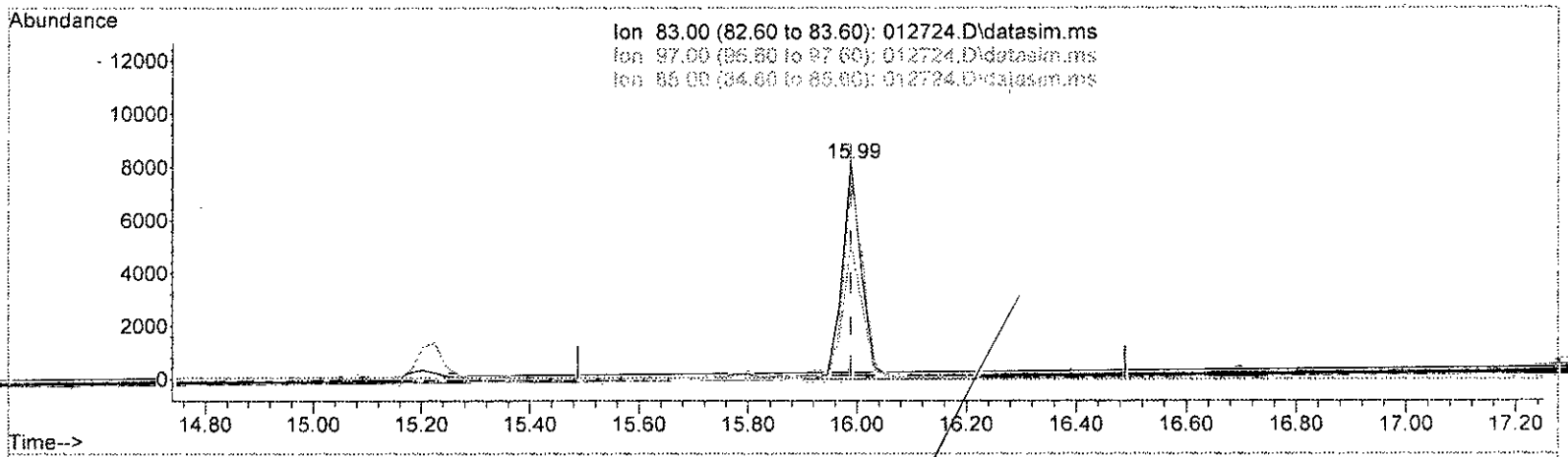
Ion	Exp%	Act%
92.00	100.00	100.00
91.00	204.60	195.89
0.00	0.00	0.00
0.00	0.00	0.00

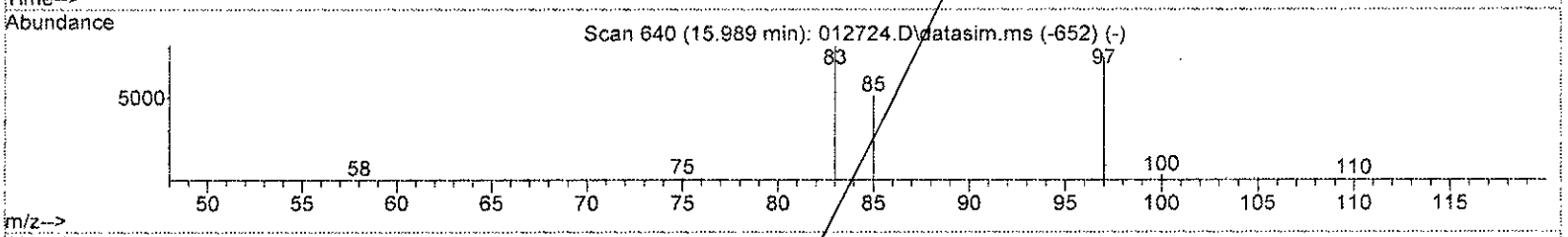
1/30

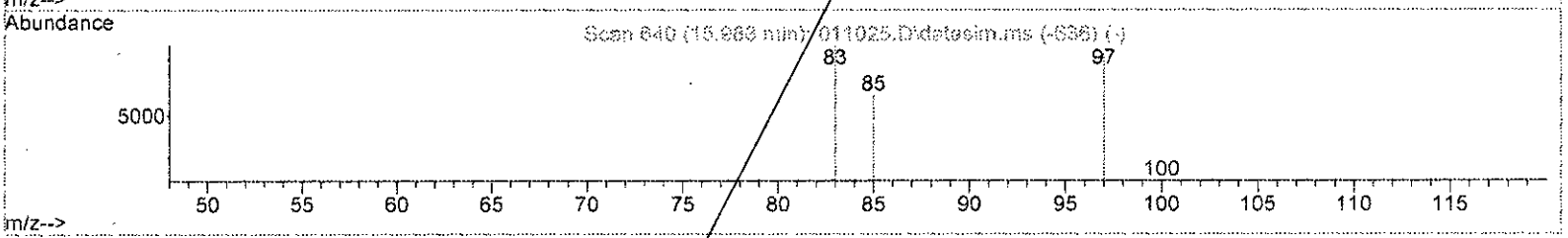
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012724.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 1.106 ppbv

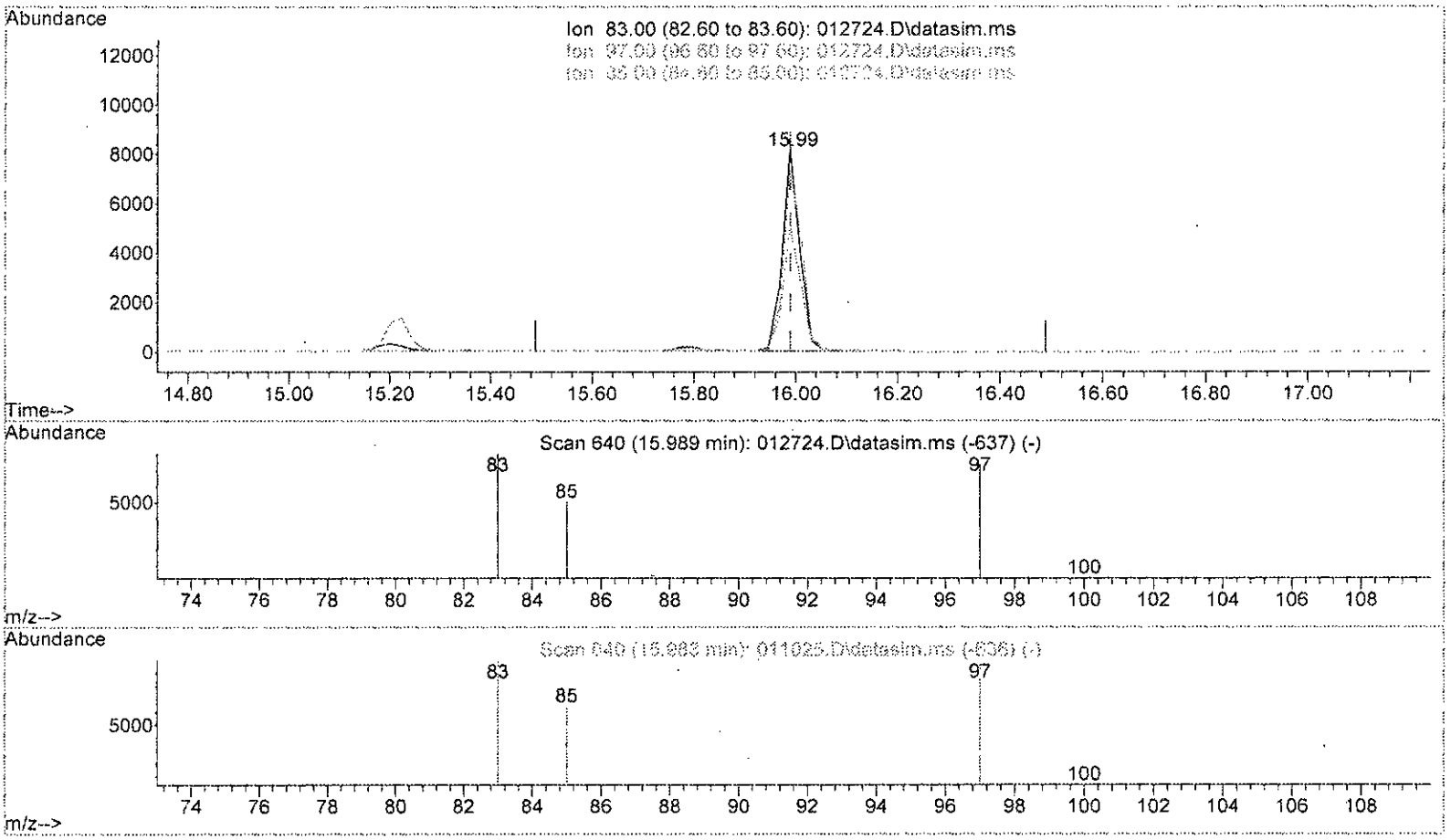
response 20641

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.98
85.00	60.50	62.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.989min (-0.000) 1.040 ppbv m

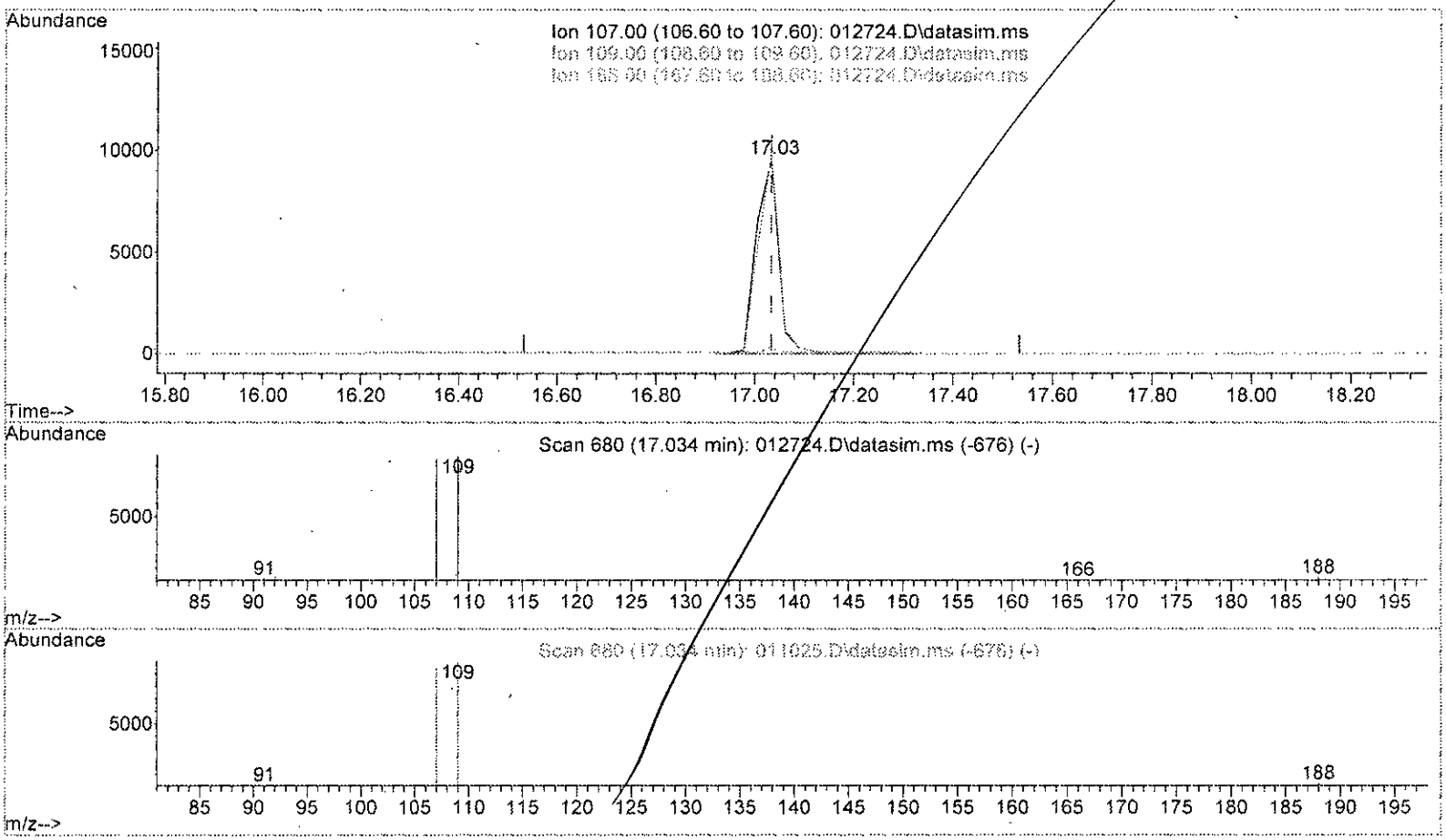
response 19401

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	90.98
85.00	60.50	62.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 1.054 ppbv

response 29789

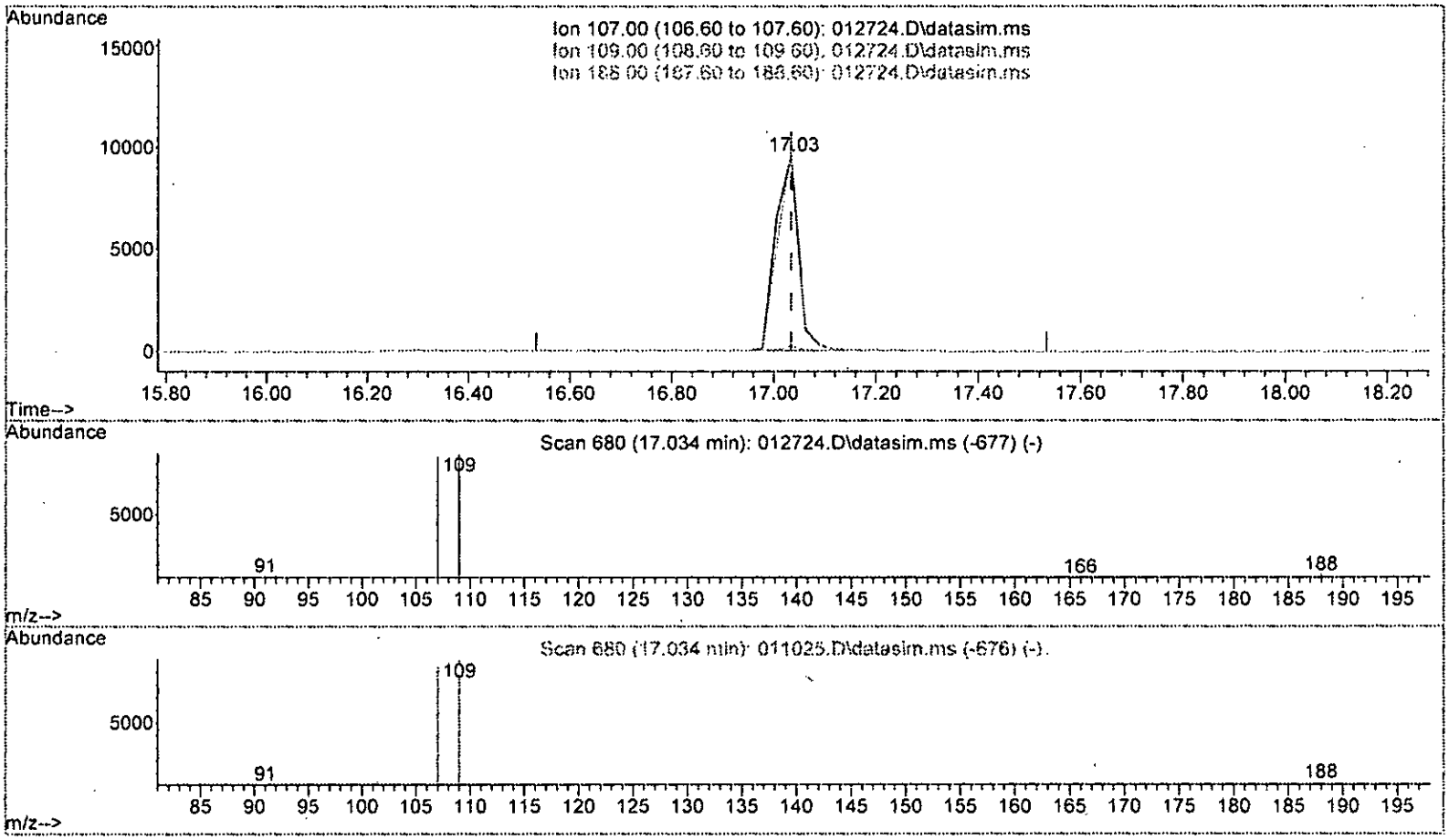
Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.73
188.00	2.70	2.59
0.00	0.00	0.00

1/26/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(55) 1,2-Dibromoethane (EDB) (TMP)

17.034min (-0.000) 1.045 ppbv m

response 29515

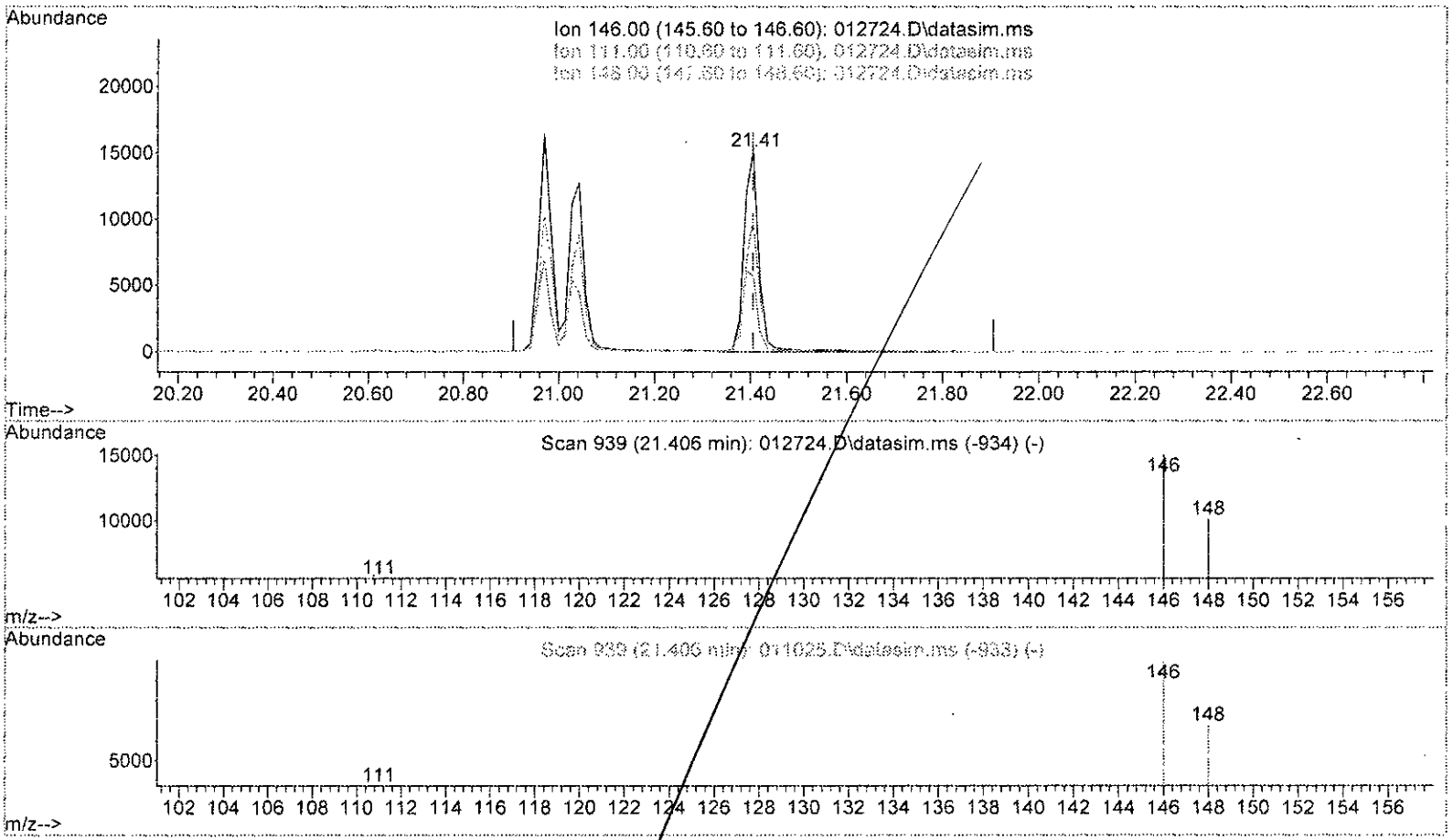
Ion	Exp%	Act%
107.00	100.00	100.00
109.00	104.60	102.73
188.00	2.70	2.59
0.00	0.00	0.00

1/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.406min (-0.000) 1.098 ppbv

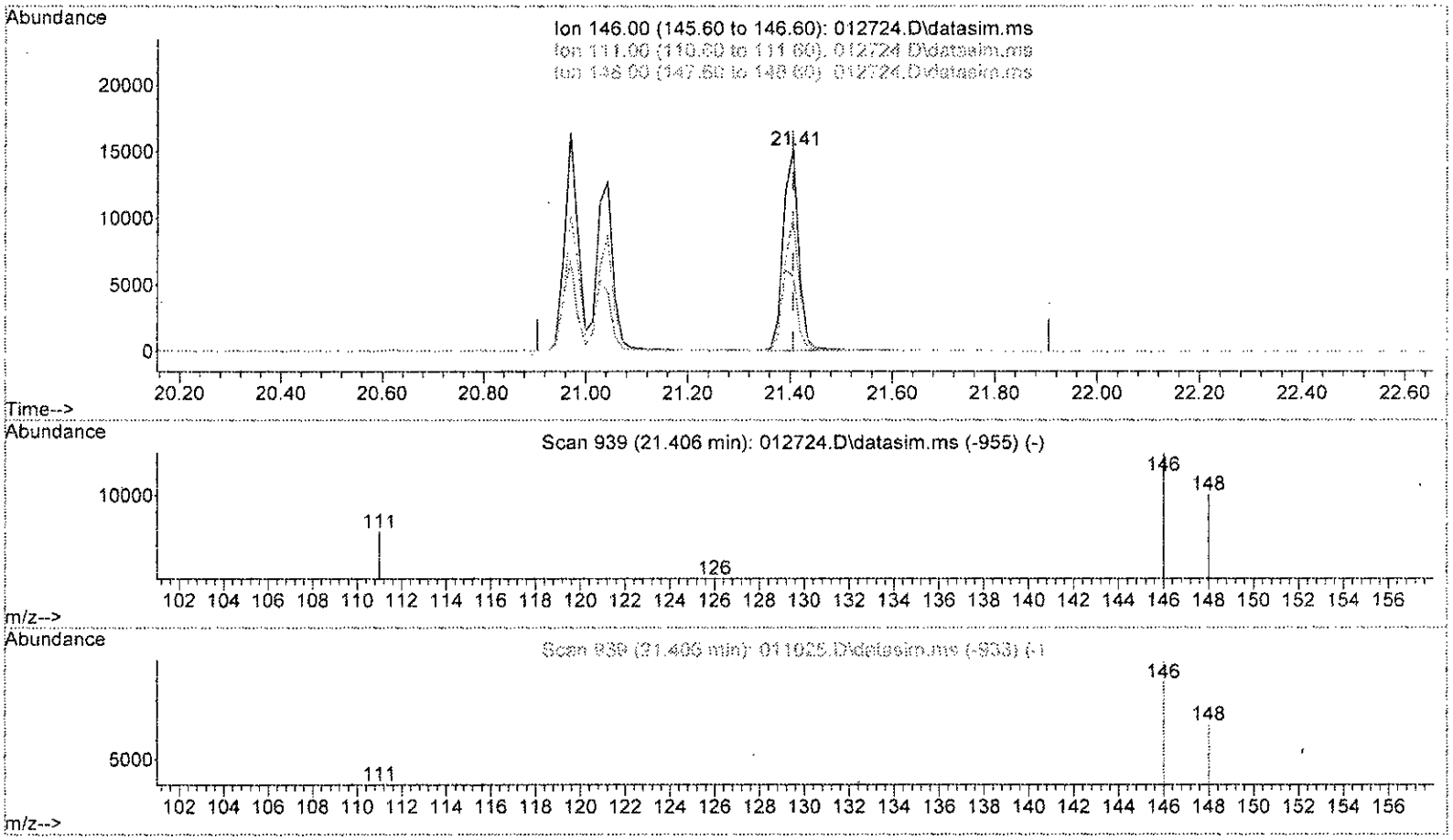
response 33055

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	37.36
148.00	63.20	67.27
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012724.D\data.ms

(75) 1,2-Dichlorobenzene (TMP)

21.406min (-0.000) 1.051 ppbv m

response 31643

Ion	Exp%	Act%
146.00	100.00	100.00
111.00	42.90	37.36
148.00	63.20	67.27
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	78395	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.13	114	343290	10.000	ppbv		0.02
56) Chlorobenzene-d5	18.12	117	289330	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	191210	9.945	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	10109	0.995	ppbv		98
3) Dichlorodifluoromethane	3.49	85	32346	1.011	ppbv		97
4] Chloromethane	3.69	50	13512m	1.029	ppbv		
5) F-114	3.84	85	35001	1.071	ppbv		93
6] Vinyl chloride	4.05	62	14277	1.064	ppbv		99
7] 1,3-Butadiene	4.17	54	8958	1.060	ppbv	#	78
8) Butane	4.32	43	17818	1.108	ppbv		99
9) Bromomethane	4.60	94	13662	1.027	ppbv		94
10] Chloroethane	4.80	64	5367m	1.080	ppbv		
11] Vinyl bromide	5.26	106	13622m	1.094	ppbv		
12) Ethanol	4.92	45	4634	0.999	ppbv		78
13] Acrolein	5.36	56	3752m	0.912	ppbv		
14) Pentane	6.23	43	17586	0.959	ppbv		95
15) Trichlorofluoromethane	5.80	101	39896	1.139	ppbv		95
16) Acetone	5.51	58	6982	1.218	ppbv	#	59
17) 2-Propanol	5.78	45	24130	1.090	ppbv		100
18] 1,1-Dichloroethene	6.60	96	12559	1.052	ppbv		86
19] trans-1,2-Dichloroethene	8.07	96	12536	1.067	ppbv	#	75
20) Methylene chloride	6.75	84	12681	1.122	ppbv		86
21) t-Butyl alcohol (TBA)	6.57	59	20277	1.094	ppbv	#	68
22) 3-Chloropropene	6.91	41	15956	1.062	ppbv		95
23) CFC-113	7.12	101	28724	1.084	ppbv		95
24) Carbon disulfide	7.22	76	41851	1.090	ppbv		99
25) Methyl t-butyl ether (...	8.41	73	26343	1.059	ppbv		98
26) Vinyl acetate	8.51	43	26324	0.951	ppbv		95
27] 1,1-Dichloroethane	8.33	63	26136	1.040	ppbv		98
28] cis-1,2-Dichloroethene	9.62	96	13219	1.036	ppbv		95
29) Hexane	9.99	57	16287	1.016	ppbv		96
30] Chloroform	10.07	83	30976	1.049	ppbv		96
31) Ethyl acetate	9.92	43	28065m	1.019	ppbv		
32) Tetrahydrofuran	10.74	42	13149	0.903	ppbv		100
33) 2-Butanone (MEK)	8.88	72	4401	1.044	ppbv		97
34] 1,2-Dichloroethane (EDC)	11.32	62	19346m	1.044	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	26400m	1.068	ppbv		
36] Carbon tetrachloride	12.84	117	27026	1.039	ppbv		98
37] Benzene	12.60	78	42881	1.028	ppbv		93
38) Cyclohexane	13.06	84	10113	0.997	ppbv		97
40] 1,2-Dichloropropane	13.79	63	20103	1.055	ppbv		99

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

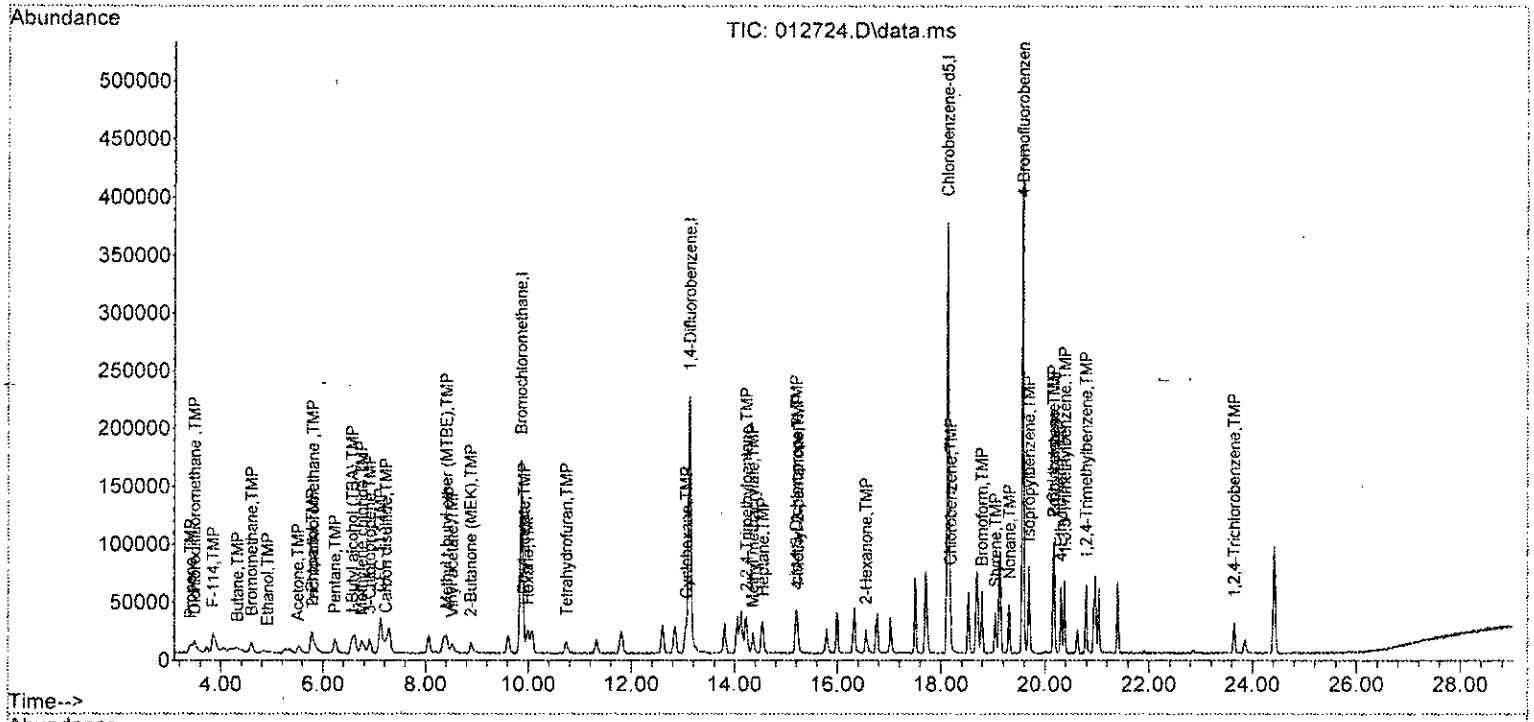
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.09	88	8184	1.027	ppbv		84
42) 2,2,4-Trimethylpentane	14.23	57	56845	1.021	ppbv		94
43) Methyl methacrylate	14.35	41	15341	0.988	ppbv		92
44) Heptane	14.55	43	23713	1.045	ppbv		100
45] Bromodichloromethane	14.04	83	32421	1.044	ppbv		98
46] Trichloroethene	14.14	95	20773	1.045	ppbv		93
47) cis-1,3-Dichloropropene	15.20	75	23385	1.084	ppbv		99
48) 4-Methyl-2-pentanone	15.22	100	1346	0.922	ppbv	#	28
49] trans-1,3-Dichloropropene	15.78	75	20391	1.004	ppbv		86
50] Toluene	16.31	92	25732m	1.021	ppbv		
51] 1,1,2-Trichloroethane	15.99	83	19401m	1.040	ppbv		
52) 2-Hexanone	16.55	43	23267	0.897	ppbv		97
53] Tetrachloroethene	17.51	164	17264	1.063	ppbv		92
54] Dibromochloromethane	16.75	129	31971	1.021	ppbv		100
55] 1,2-Dibromoethane (EDB)	17.03	107	29515m	1.045	ppbv		
57) Chlorobenzene	18.18	112	35014	1.051	ppbv		98
58] Ethylbenzene	18.52	91	55515	0.980	ppbv		96
59] 1,1,2,2-Tetrachloroethane	19.11	83	46662	1.044	ppbv		90
60) Nonane	19.32	43	25308	0.860	ppbv		97
61) Isopropylbenzene	19.69	105	56976	1.054	ppbv		100
62) 2-Chlorotoluene	20.17	126	13380	0.997	ppbv		74
63) Propylbenzene	20.17	91	95457	0.963	ppbv		98
64) 4-Ethyltoluene	20.31	105	39839	0.846	ppbv		97
65] m,p-Xylene	18.70	106	36897	1.990	ppbv		98
66] o-Xylene	19.15	106	18659	1.014	ppbv		97
67) Styrene	19.04	104	22797	0.938	ppbv		99
68) Bromoform	18.79	173	30796	1.002	ppbv		96
70] Benzyl chloride	20.94	91	31084	0.992	ppbv		99
71) 1,3,5-Trimethylbenzene	20.38	105	44179	0.992	ppbv		95
72) 1,2,4-Trimethylbenzene	20.79	105	34762	0.901	ppbv		97
73] 1,3-Dichlorobenzene	20.97	146	29702	1.009	ppbv		98
74] 1,4-Dichlorobenzene	21.04	146	27455	1.019	ppbv		99
75] 1,2-Dichlorobenzene	21.41	146	31643m	1.051	ppbv		
76) 1,2,4-Trichlorobenzene	23.64	180	12663	0.824	ppbv		96
77] Naphthalene	23.84	128	18165	0.909	ppbv		100
78] Hexachlorobutadiene	24.42	225	29549	0.996	ppbv		99

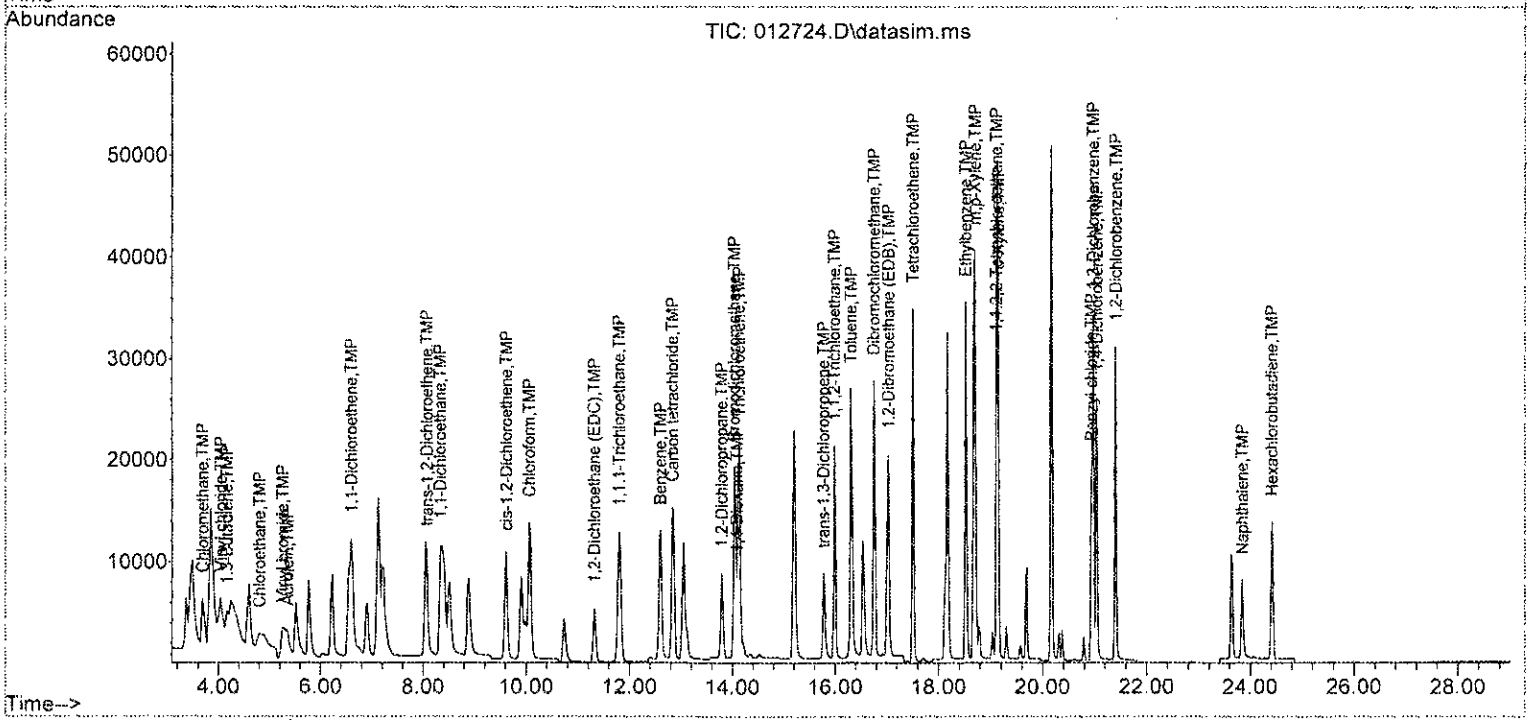
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
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InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	1.000	0.995	0.5	100	0.00
3	TMP	Dichlorodifluoromethane	1.000	1.011	-1.1	100	0.00
4	TMP	Chloromethane	1.000	1.029	-2.9	98	0.00
5	TMP	F-114	1.000	1.071	-7.1	100	0.00
6	TMP	Vinyl chloride	1.000	1.064	-6.4	100	0.00
7	TMP	1,3-Butadiene	1.000	1.060	-6.0	100	0.00
8	TMP	Butane	1.000	1.108	-10.8	100	0.04
9	TMP	Bromomethane	1.000	1.027	-2.7	100	0.00
10	TMP	Chloroethane	1.000	1.080	-8.0	102	0.00
11	TMP	Vinyl bromide	1.000	1.094	-9.4	101	-0.02
12	TMP	Ethanol	1.000	0.999	0.1	100	0.00
13	TMP	Acrolein	1.000	0.912	8.8	96	-0.02
14	TMP	Pentane	1.000	0.959	4.1	100	0.00
15	TMP	Trichlorofluoromethane	1.000	1.139	-13.9	100	0.00
16	TMP	Acetone	1.000	1.218	-21.8	100	-0.02
17	TMP	2-Propanol	1.000	1.090	-9.0	100	0.02
18	TMP	1,1-Dichloroethene	1.000	1.052	-5.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.000	1.067	-6.7	100	0.00
20	TMP	Methylene chloride	1.000	1.122	-12.2	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	1.000	1.094	-9.4	100	0.03
22	TMP	3-Chloropropene	1.000	1.062	-6.2	100	0.00
23	TMP	CFC-113	1.000	1.084	-8.4	100	0.00
24	TMP	Carbon disulfide	1.000	1.090	-9.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	1.000	1.059	-5.9	100	0.00
26	TMP	Vinyl acetate	1.000	0.951	4.9	100	0.00
27	TMP	1,1-Dichloroethane	1.000	1.040	-4.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.000	1.036	-3.6	100	0.02
29	TMP	Hexane	1.000	1.016	-1.6	100	0.00
30	TMP	Chloroform	1.000	1.049	-4.9	100	0.00
31	TMP	Ethyl acetate	1.000	1.019	-1.9	100	0.02
32	TMP	Tetrahydrofuran	1.000	0.903	9.7	100	0.00
33	TMP	2-Butanone (MEK)	1.000	1.044	-4.4	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	1.000	1.044	-4.4	101	0.00
35	TMP	1,1,1-Trichloroethane	1.000	1.068	-6.8	101	0.00
36	TMP	Carbon tetrachloride	1.000	1.039	-3.9	100	0.00
37	TMP	Benzene	1.000	1.028	-2.8	102	0.02
38	TMP	Cyclohexane	1.000	0.997	0.3	100	0.02
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	1.000	1.055	-5.5	100	0.00
41	TMP	1,4-Dioxane	1.000	1.027	-2.7	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.000	1.021	-2.1	100	0.02
43	TMP	Methyl methacrylate	1.000	0.988	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	1.000	1.045	-4.5	100	0.02
45	TMP	Bromodichloromethane	1.000	1.044	-4.4	100	0.00
46	TMP	Trichloroethene	1.000	1.045	-4.5	100	0.02
47	TMP	cis-1,3-Dichloropropene	1.000	1.084	-8.4	100	0.02
48	TMP	4-Methyl-2-pentanone	1.000	0.922	7.8	100	0.00
49	TMP	trans-1,3-Dichloropropene	1.000	1.004	-0.4	100	0.00
50	TMP	Toluene	1.000	1.021	-2.1	101	0.00
51	TMP	1,1,2-Trichloroethane	1.000	1.040	-4.0	100	0.00
52	TMP	2-Hexanone	1.000	0.897	10.3	100	0.00
53	TMP	Tetrachloroethene	1.000	1.063	-6.3	100	0.00
54	TMP	Dibromochloromethane	1.000	1.021	-2.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	1.000	1.045	-4.5	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.000	1.051	-5.1	100	0.02
58	TMP	Ethylbenzene	1.000	0.980	2.0	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.000	1.044	-4.4	100	0.00
60	TMP	Nonane	1.000	0.860	14.0	100	0.02
61	TMP	Isopropylbenzene	1.000	1.054	-5.4	100	0.00
62	TMP	2-Chlorotoluene	1.000	0.997	0.3	100	0.00
63	TMP	Propylbenzene	1.000	0.963	3.7	100	0.00
64	TMP	4-Ethyltoluene	1.000	0.846	15.4	100	0.00
65	TMP	m,p-Xylene	2.000	1.990	0.5	101	0.00
66	TMP	o-Xylene	1.000	1.014	-1.4	100	0.00
67	TMP	Styrene	1.000	0.938	6.2	100	0.00
68	TMP	Bromoform	1.000	1.002	-0.2	100	0.00
69	S	4-Bromofluorobenzene	10.000	9.945	0.5	100	0.00
70	TMP	Benzyl chloride	1.000	0.992	0.8	100	0.02
71	TMP	1,3,5-Trimethylbenzene	1.000	0.992	0.8	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.000	0.901	9.9	100	0.00
73	TMP	1,3-Dichlorobenzene	1.000	1.009	-0.9	100	0.00
74	TMP	1,4-Dichlorobenzene	1.000	1.019	-1.9	100	0.01
75	TMP	1,2-Dichlorobenzene	1.000	1.051	-5.1	100	0.00
76	TMP	1,2,4-Trichlorobenzene	1.000	0.824	17.6	100	0.00
77	TMP	Naphthalene	1.000	0.909	9.1	100	0.00
78	TMP	Hexachlorobutadiene	1.000	0.996	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.289	-0.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.126	-1.1	100	0.00
4	TMP	Chloromethane	1.676	1.724	-2.9	98	0.00
5	TMP	F-114	4.169	4.465	-7.1	100	0.00
6	TMP	Vinyl chloride	1.712	1.821	-6.4	100	0.00
7	TMP	1,3-Butadiene	1.078	1.143	-6.0	100	0.00
8	TMP	Butane	2.051	2.273	-10.8	100	0.04
9	TMP	Bromomethane	1.696	1.743	-2.8	100	0.00
10	TMP	Chloroethane	0.634	0.685	-8.0	102	0.00
11	TMP	Vinyl bromide	1.588	1.738	-9.4	101	-0.02
12	TMP	Ethanol	0.538	0.591	-9.9	100	0.00
13	TMP	Acrolein	0.525	0.479	8.8	96	-0.02
14	TMP	Pentane	2.340	2.243	4.1	100	0.00
15	TMP	Trichlorofluoromethane	4.468	5.089	-13.9	100	0.00
16	TMP	Acetone	0.731	0.891	-21.9	100	-0.02
17	TMP	2-Propanol	2.824	3.078	-9.0	100	0.02
18	TMP	1,1-Dichloroethene	1.523	1.602	-5.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.599	-6.7	100	0.00
20	TMP	Methylene chloride	1.441	1.618	-12.3	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.364	2.587	-9.4	100	0.03
22	TMP	3-Chloropropene	1.917	2.035	-6.2	100	0.00
23	TMP	CFC-113	3.382	3.664	-8.3	100	0.00
24	TMP	Carbon disulfide	4.899	5.338	-9.0	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.360	-5.9	100	0.00
26	TMP	Vinyl acetate	3.532	3.358	4.9	100	0.00
27	TMP	1,1-Dichloroethane	3.205	3.334	-4.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.686	-3.6	100	0.02
29	TMP	Hexane	2.044	2.078	-1.7	100	0.00
30	TMP	Chloroform	3.767	3.951	-4.9	100	0.00
31	TMP	Ethyl acetate	3.512	3.580	-1.9	100	0.02
32	TMP	Tetrahydrofuran	1.858	1.677	9.7	100	0.00
33	TMP	2-Butanone (MEK)	0.538	0.561	-4.3	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.468	-4.4	101	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.368	-6.9	101	0.00
36	TMP	Carbon tetrachloride	3.318	3.447	-3.9	100	0.00
37	TMP	Benzene	5.322	5.470	-2.8	102	0.02
38	TMP	Cyclohexane	1.294	1.290	0.3	100	0.02
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.02
40	TMP	1,2-Dichloropropane	0.555	0.586	-5.6	100	0.00
41	TMP	1,4-Dioxane	0.232	0.238	-2.6	100	0.02
42	TMP	2,2,4-Trimethylpentane	1.623	1.656	-2.0	100	0.02
43	TMP	Methyl methacrylate	0.452	0.447	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012724.D
Acq On : 28 Jan 2023 8:49 am
Operator : bat
Sample : 1.0 ppbv TO15 68-108-f
Misc : T6
ALS Vial : 24 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:36:00 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

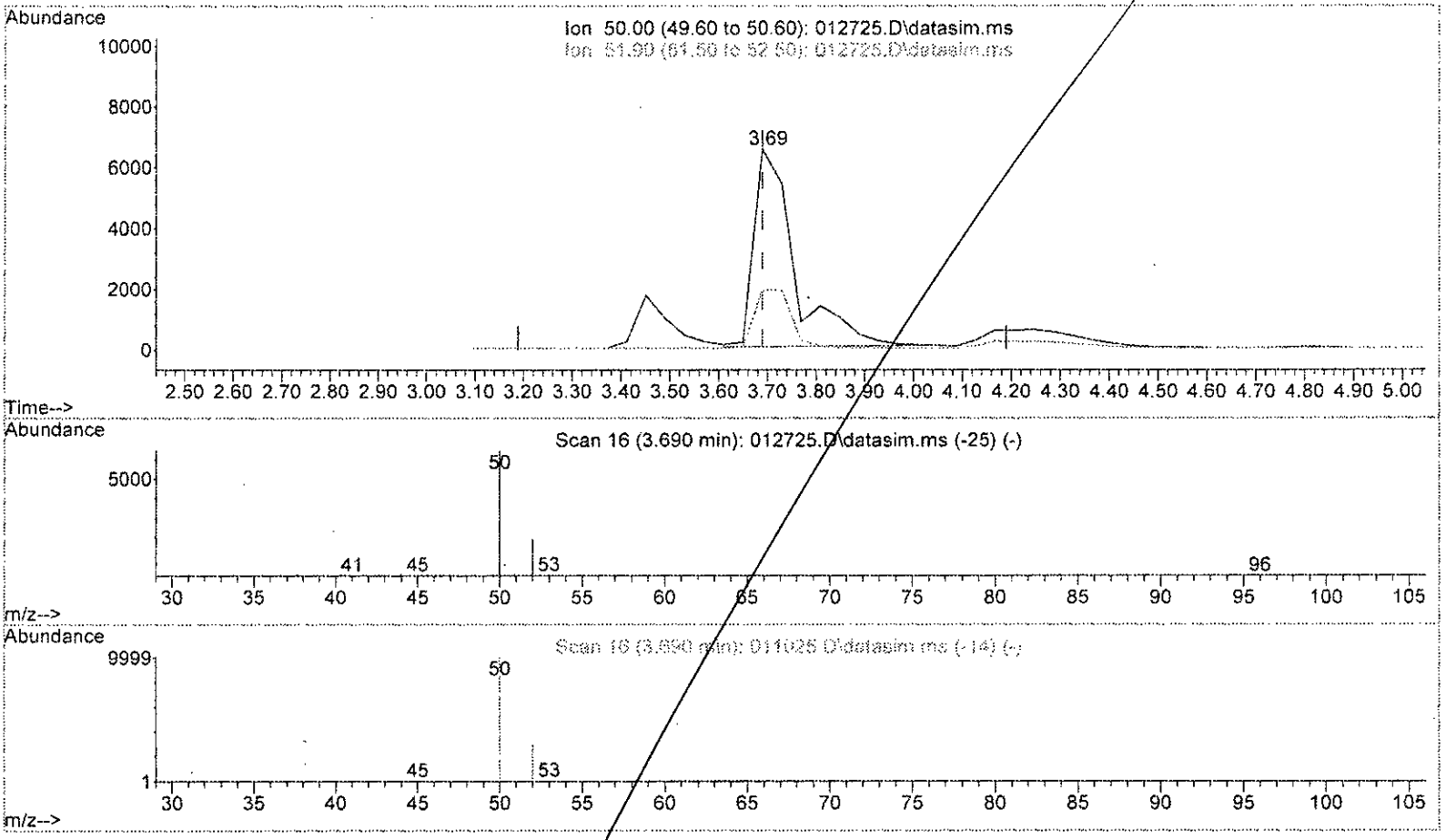
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.691	-4.5	100	0.02
45	TMP	Bromodichloromethane	0.905	0.944	-4.3	100	0.00
46	TMP	Trichloroethene	0.579	0.605	-4.5	100	0.02
47	TMP	cis-1,3-Dichloropropene	0.629	0.681	-8.3	100	0.02
48	TMP	4-Methyl-2-pentanone	0.043	0.039	9.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.594	-0.3	100	0.00
50	TMP	Toluene	0.734	0.750	-2.2	101	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.565	-4.1	100	0.00
52	TMP	2-Hexanone	0.755	0.678	10.2	100	0.00
53	TMP	Tetrachloroethene	0.473	0.503	-6.3	100	0.00
54	TMP	Dibromochloromethane	0.912	0.931	-2.1	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.860	-4.5	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.210	-5.1	100	0.02
58	TMP	Ethylbenzene	1.957	1.919	1.9	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.613	-4.4	100	0.00
60	TMP	Nonane	1.017	0.875	14.0	100	0.02
61	TMP	Isopropylbenzene	1.868	1.969	-5.4	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.462	0.4	100	0.00
63	TMP	Propylbenzene	3.426	3.299	3.7	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.377	15.4	100	0.00
65	TMP	m,p-Xylene	0.641	0.638	0.5	101	0.00
66	TMP	o-Xylene	0.636	0.645	-1.4	100	0.00
67	TMP	Styrene	0.840	0.788	6.2	100	0.00
68	TMP	Bromoform	1.062	1.064	-0.2	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.661	0.6	100	0.00
70	TMP	Benzyl chloride	1.083	1.074	0.8	100	0.02
71	TMP	1,3,5-Trimethylbenzene	1.539	1.527	0.8	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.201	9.9	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.027	-0.9	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.949	-1.9	100	0.01
75	TMP	1,2-Dichlorobenzene	1.040	1.094	-5.2	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.438	26.4	100	0.00
77	TMP	Naphthalene	0.967	0.628	35.1#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	1.021	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 2.987 ppbv

response 37518

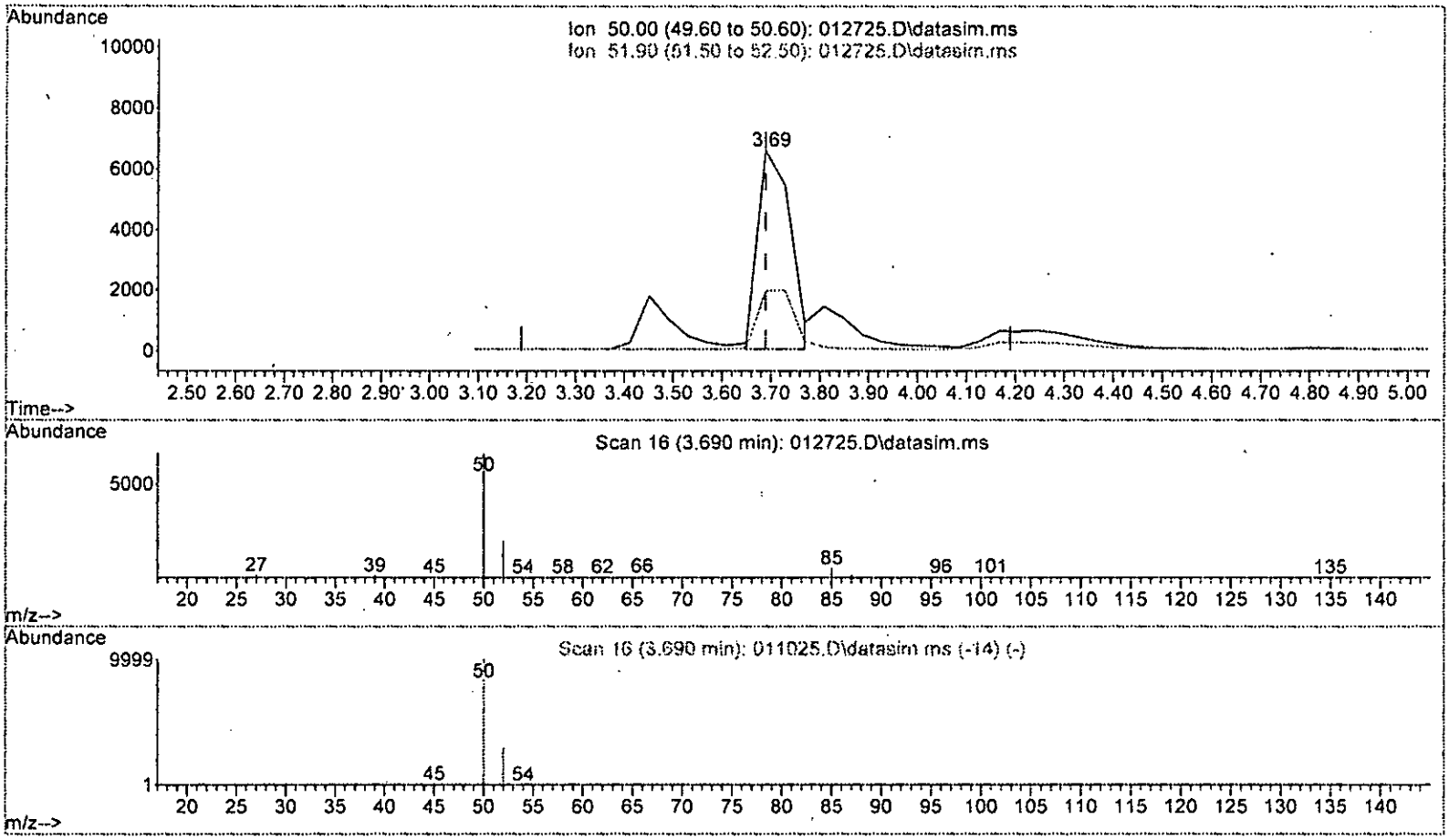
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	29.47
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 2.431 ppbv m

response 30536

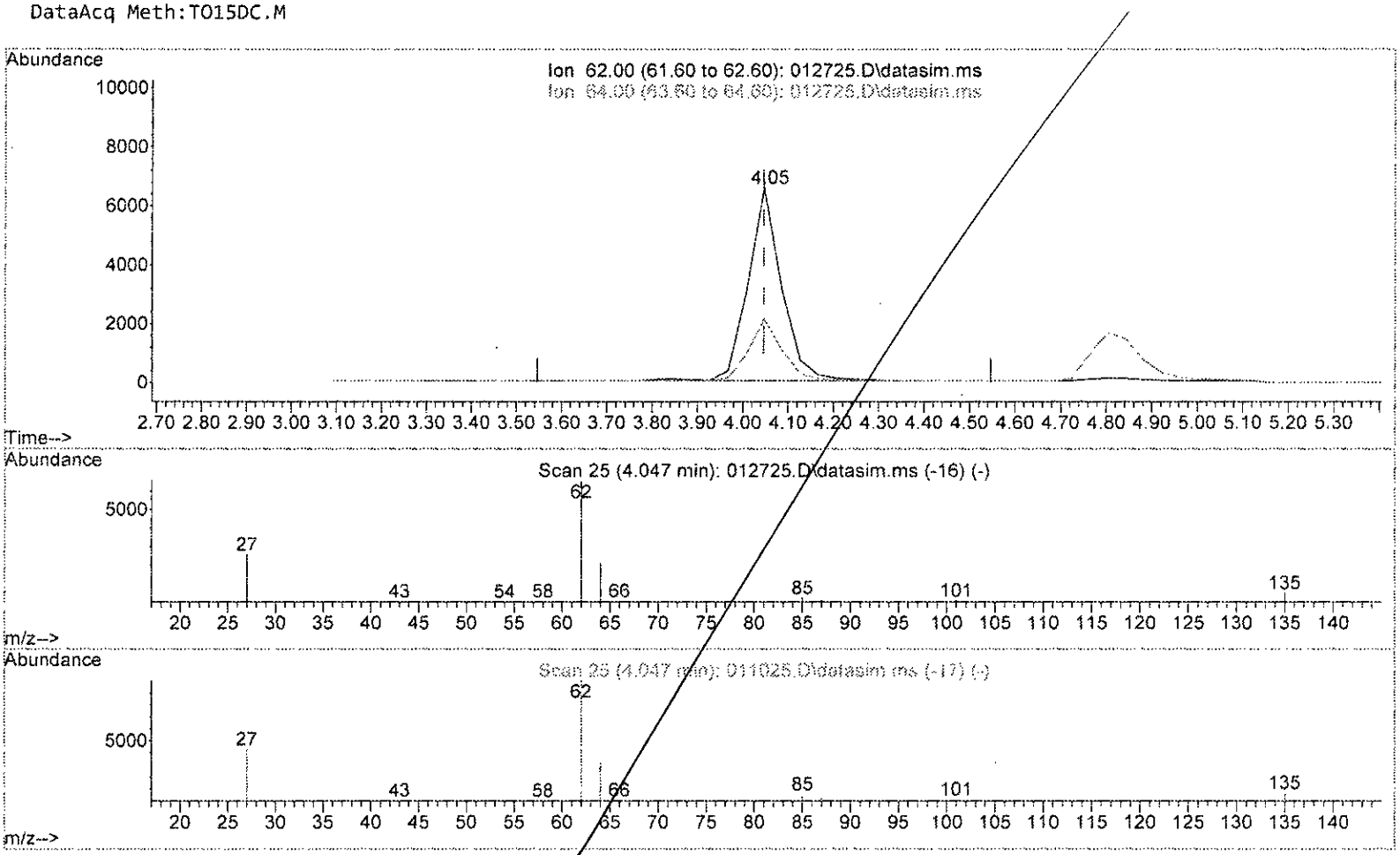
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	29.74
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (+ 0.000) 2.650 ppbv

response 34019

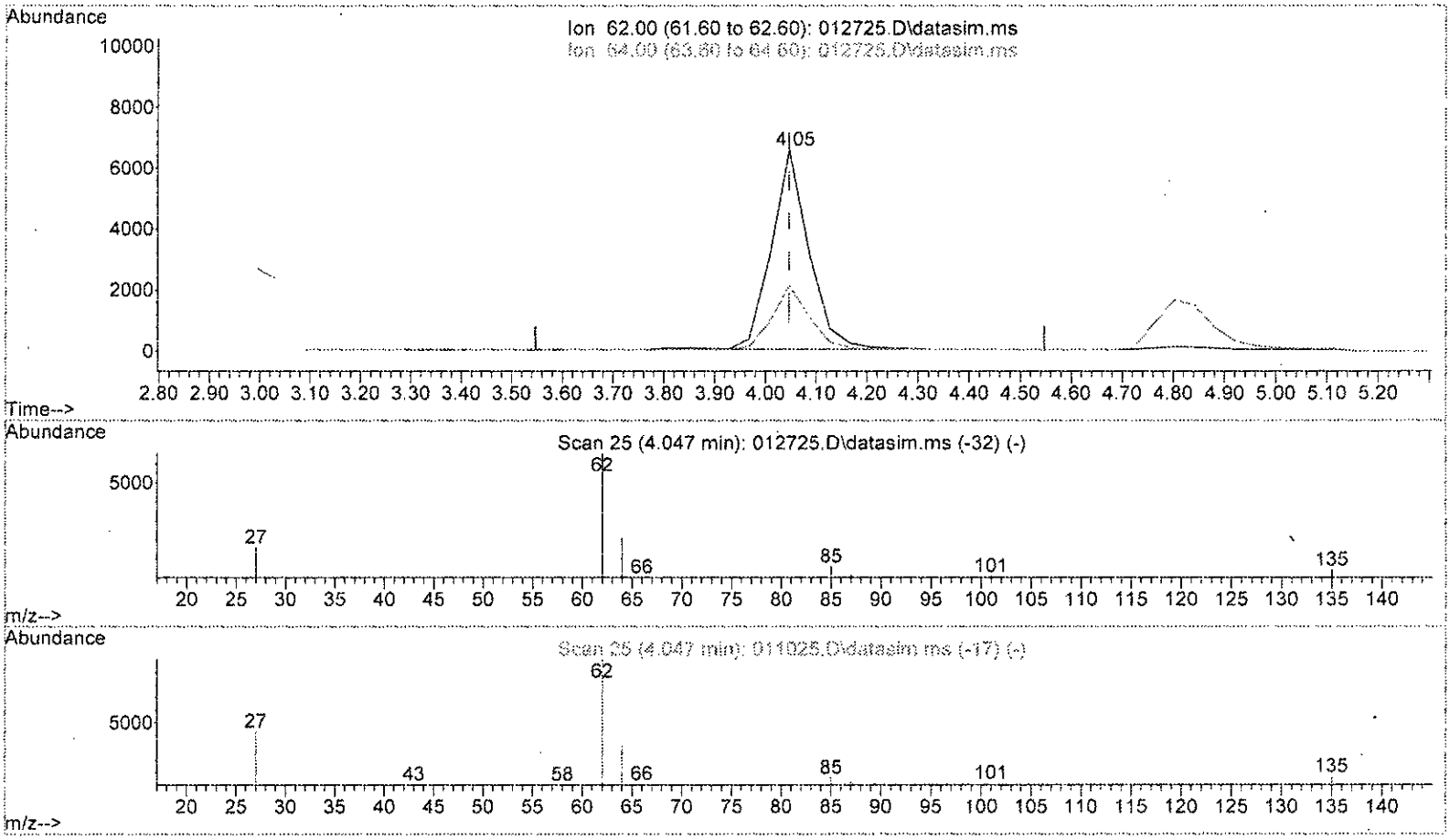
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	32.03
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(6) Vinyl chloride (TMP)

4.047min (+ 0.000) 2.599 ppbv m

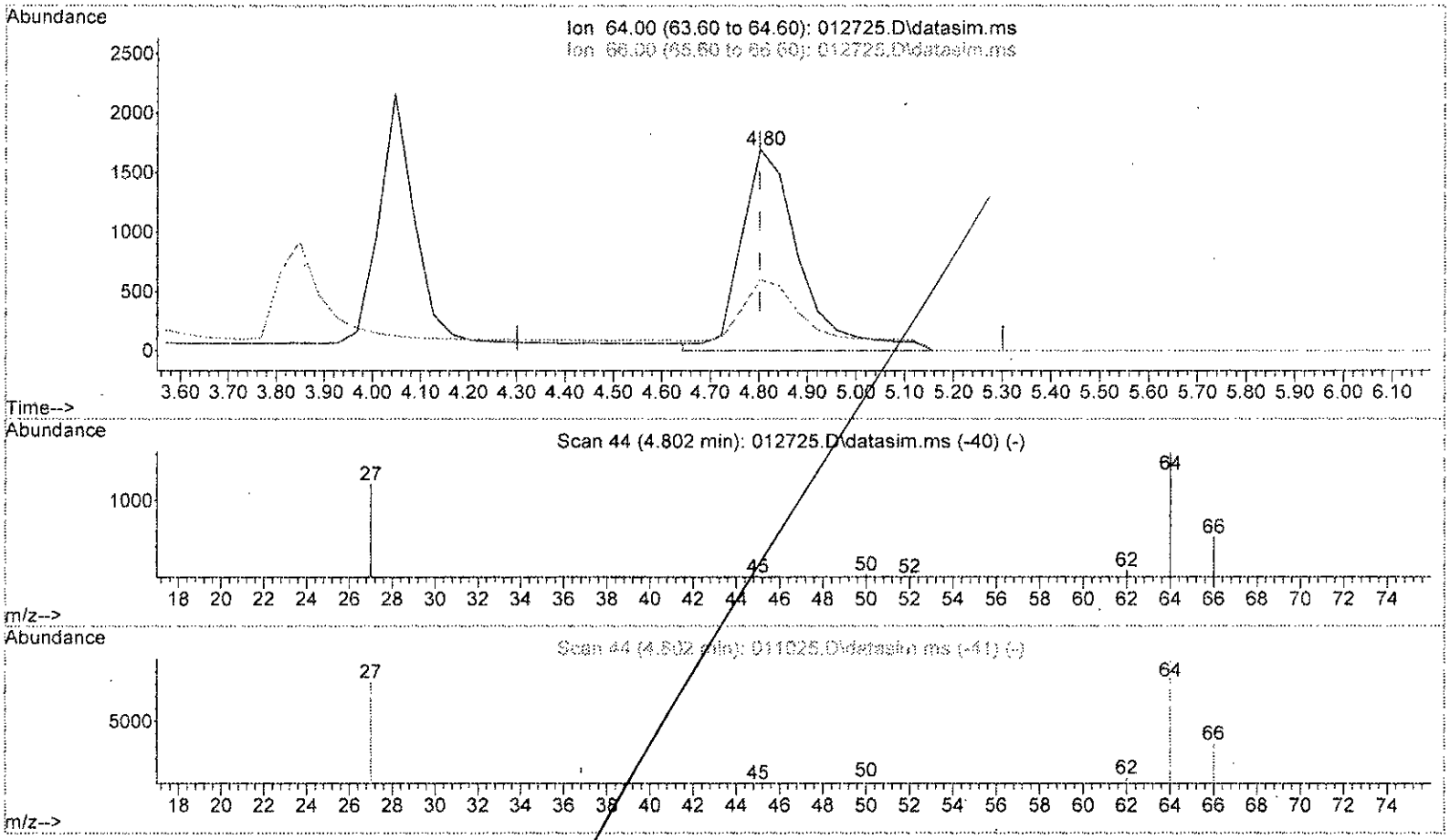
response 33356

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	31.50	32.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 2.861 ppbv

response 13603

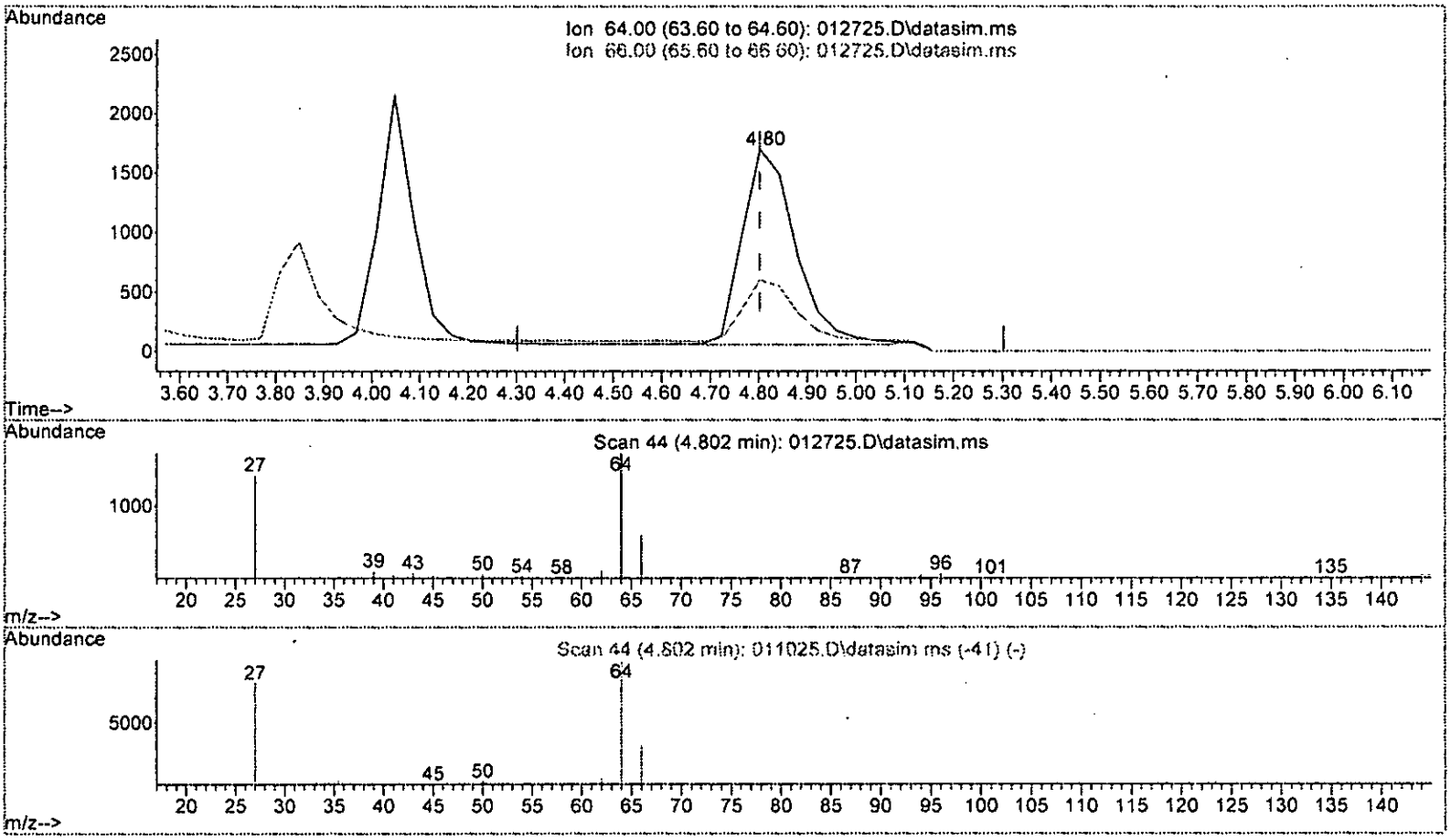
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.44
0.00	0.00	0.00
0.00	0.00	0.00

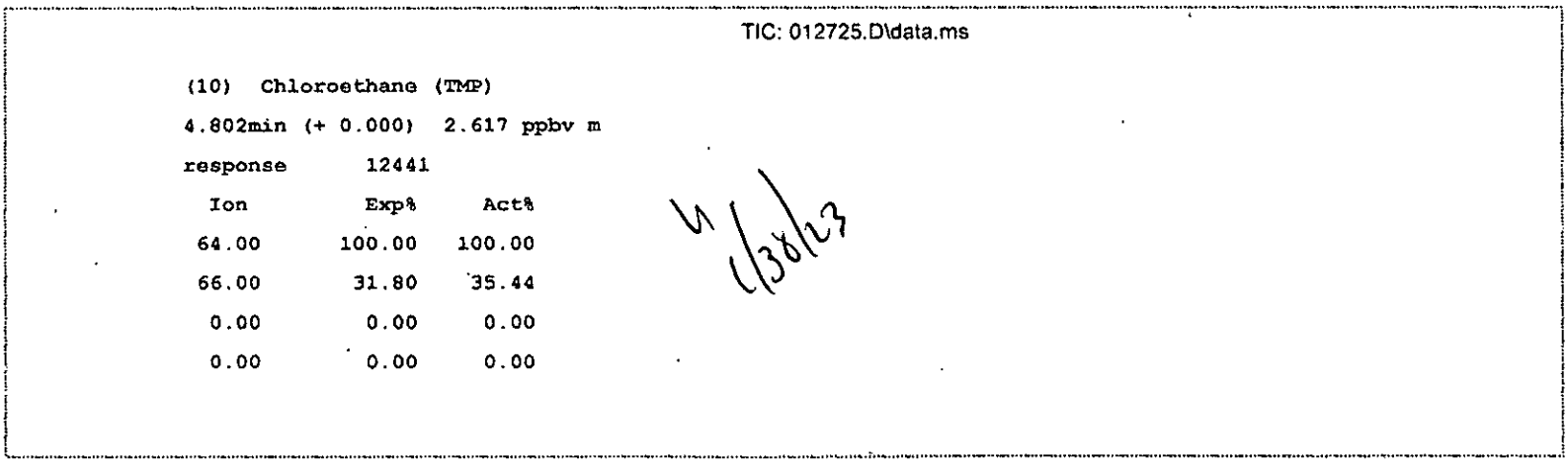
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 2.617 ppbv m

response 12441

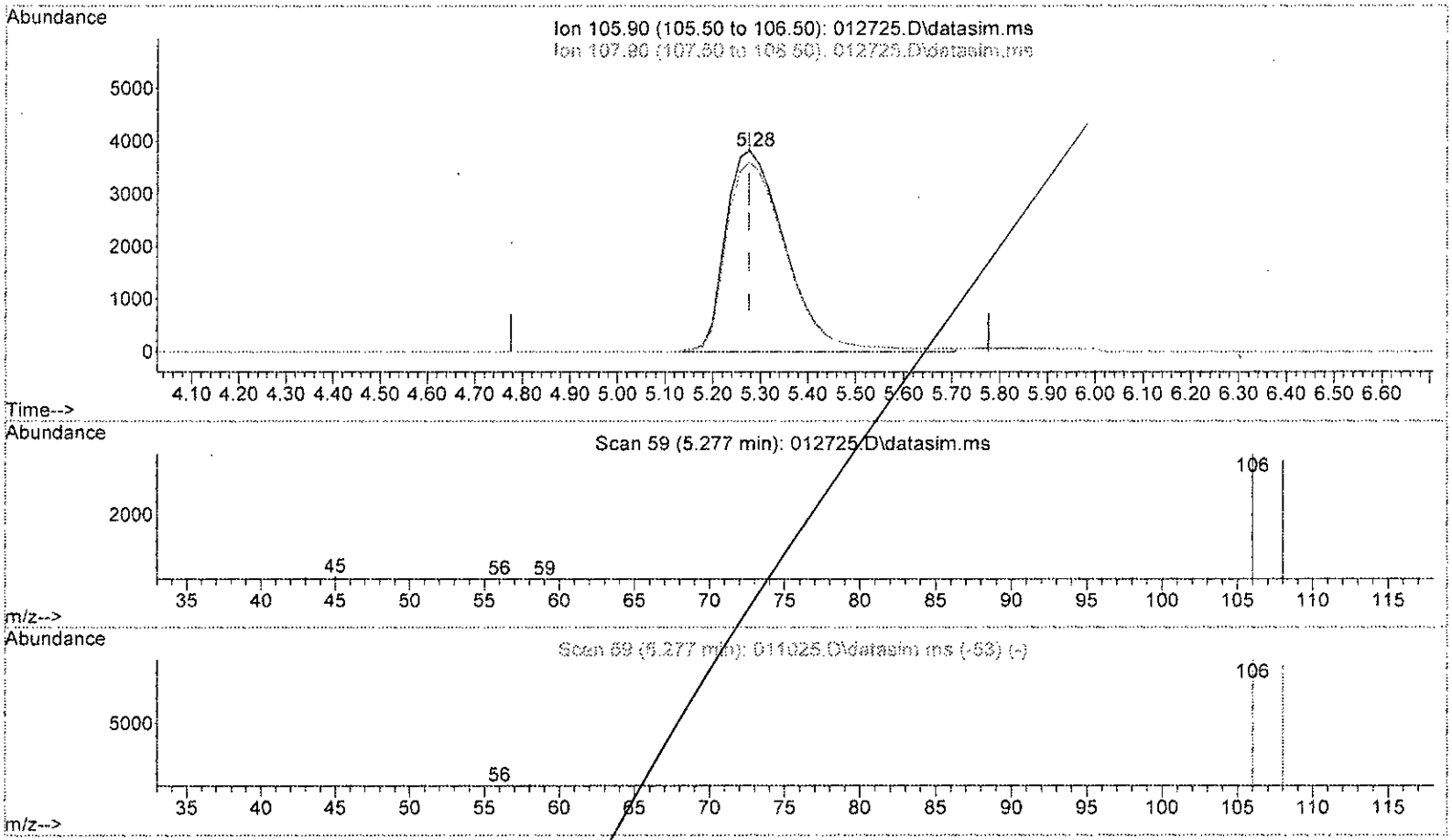
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.44
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 3.012 ppbv

response 35849

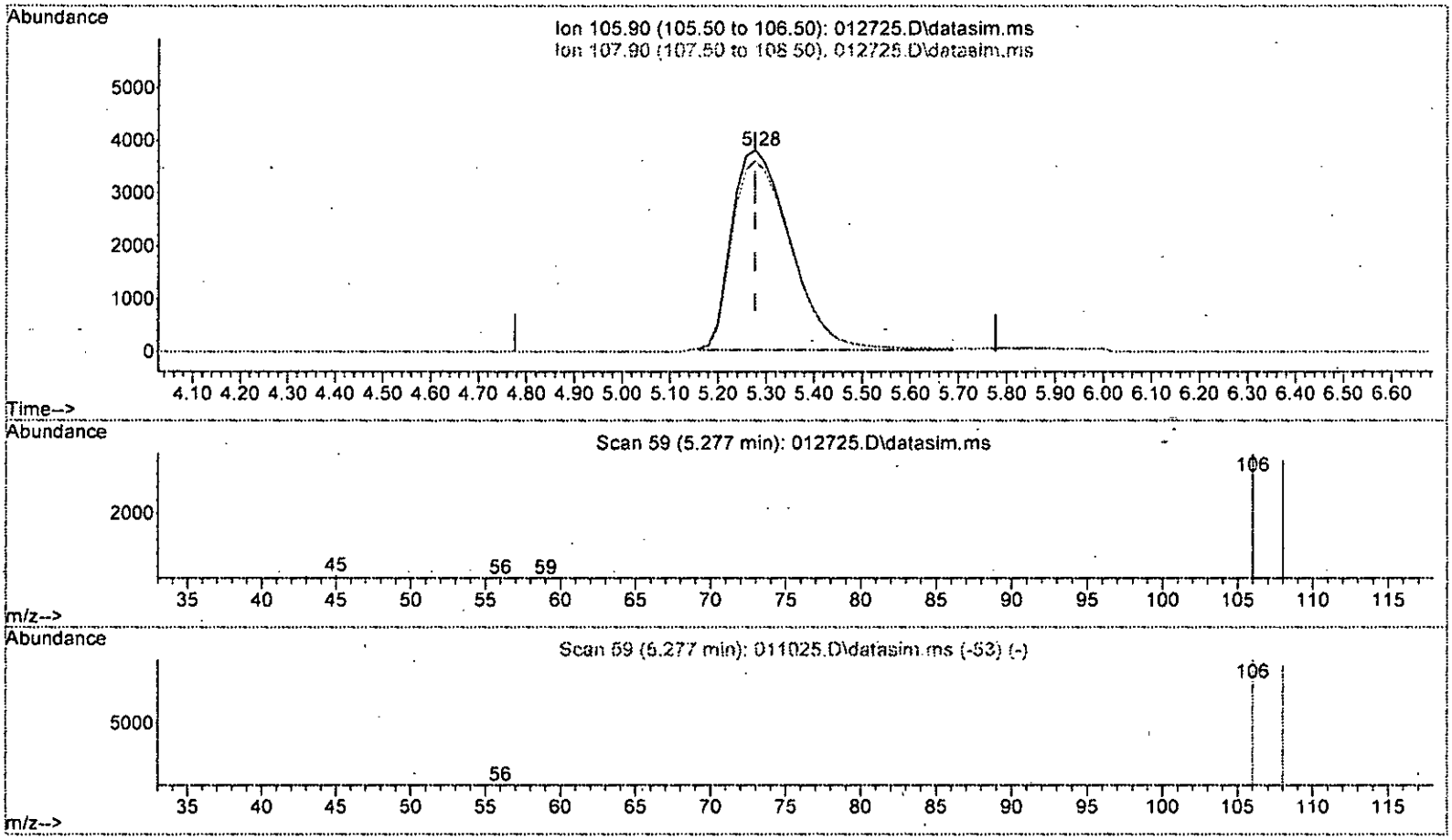
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.83
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 2.716 ppbv m

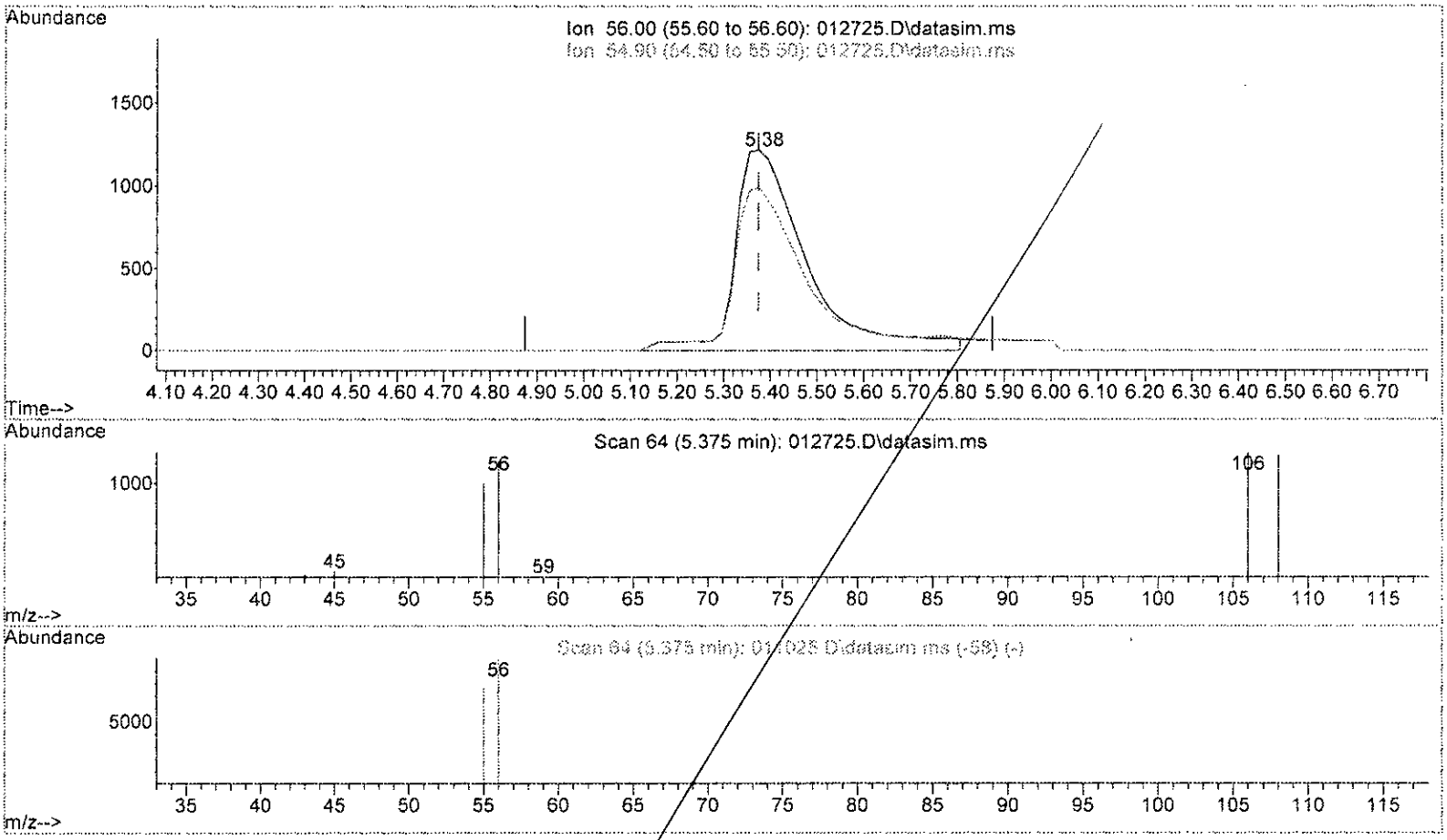
response 32327

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	105.16
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(13) Acrolein (TMP)

5.375min (+ 0.000) 3.483 ppbv

response 13696

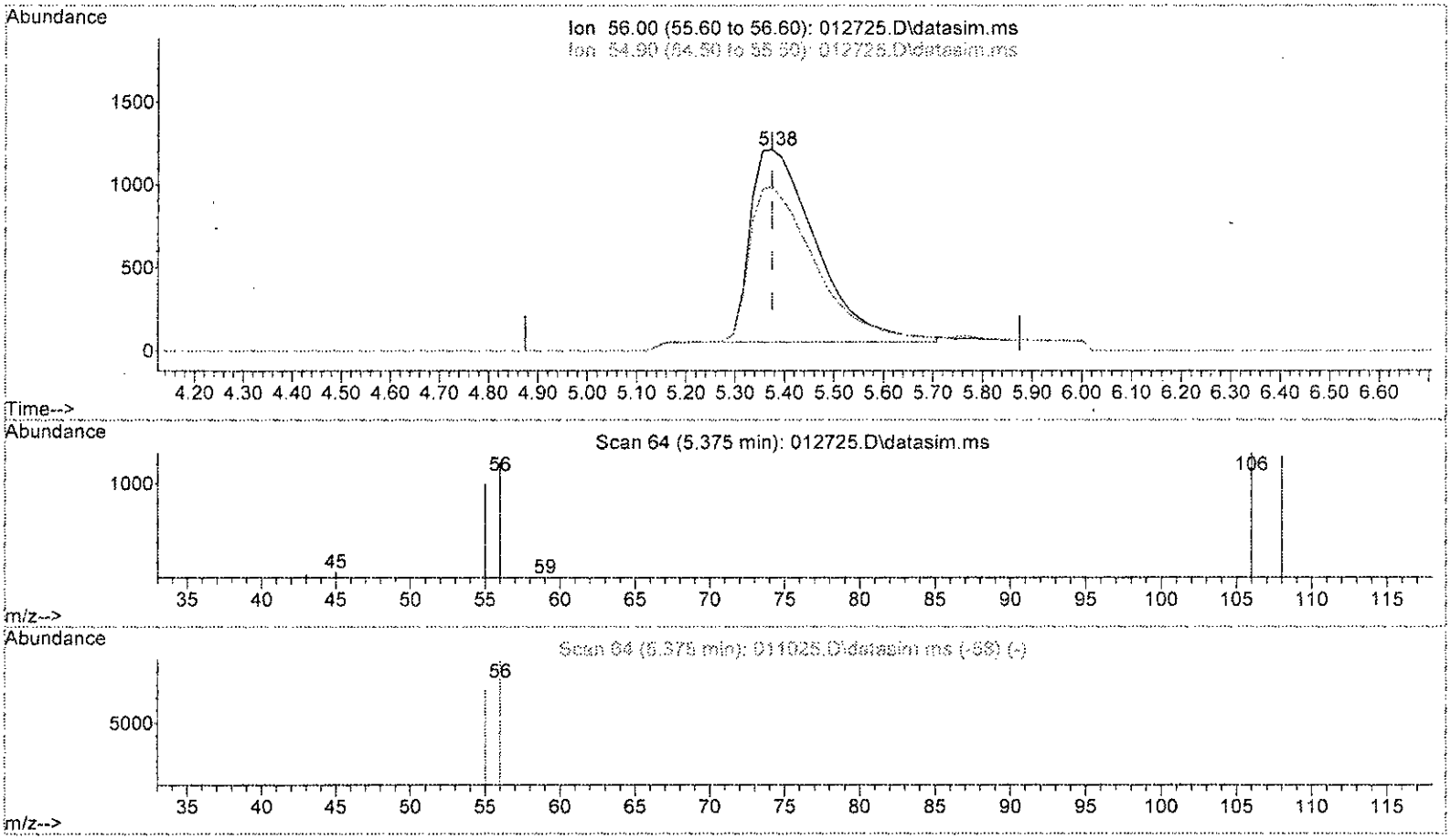
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	67.28
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(13) Acrolein (TMP)

5.375min (+ 0.000) 2.727 ppbv m

response 10722

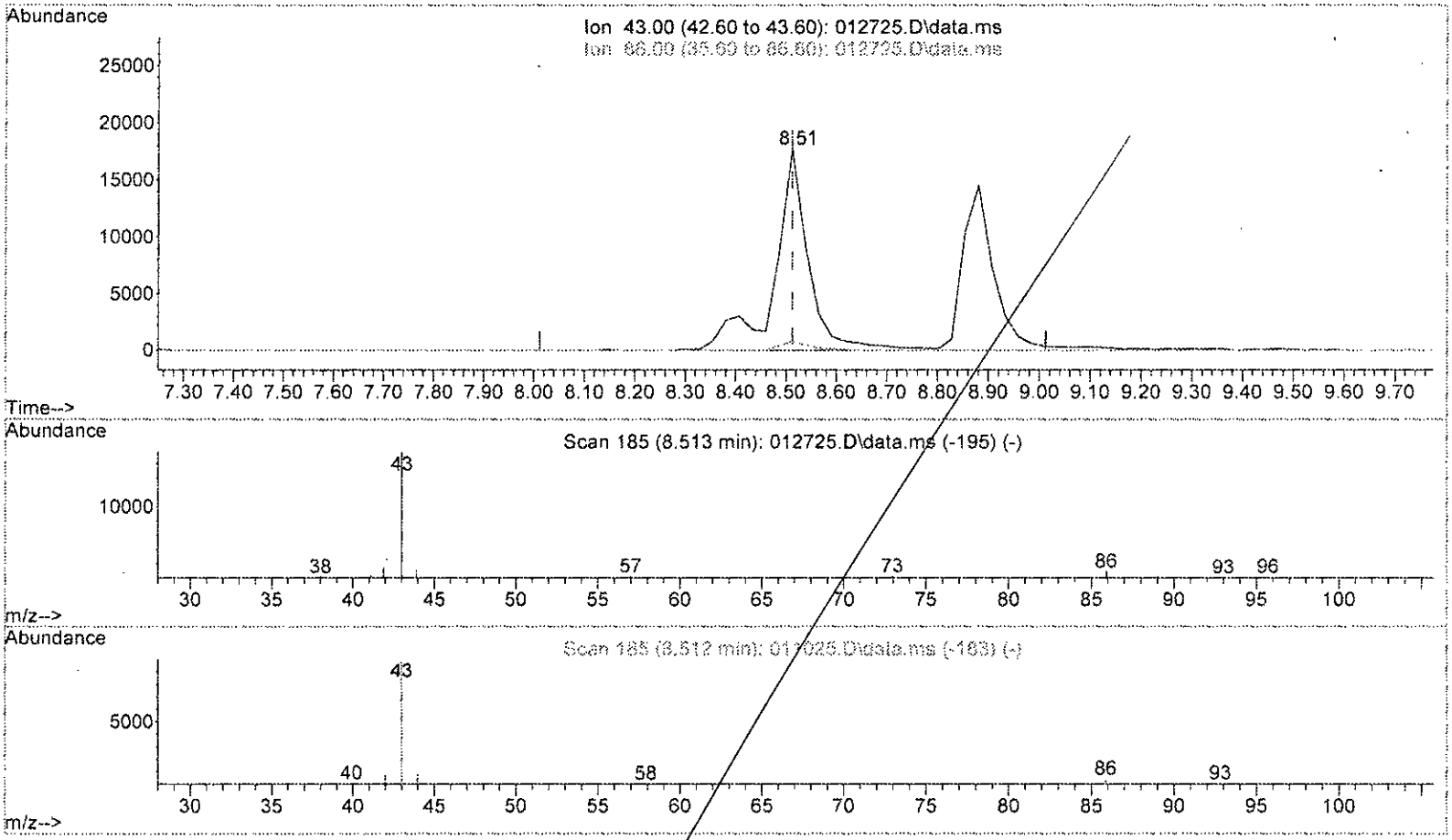
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	85.94
0.00	0.00	0.00
0.00	0.00	0.00

2/1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(26) Vinyl acetate (TMP)

8.513min (-0.000) 3.144 ppbv

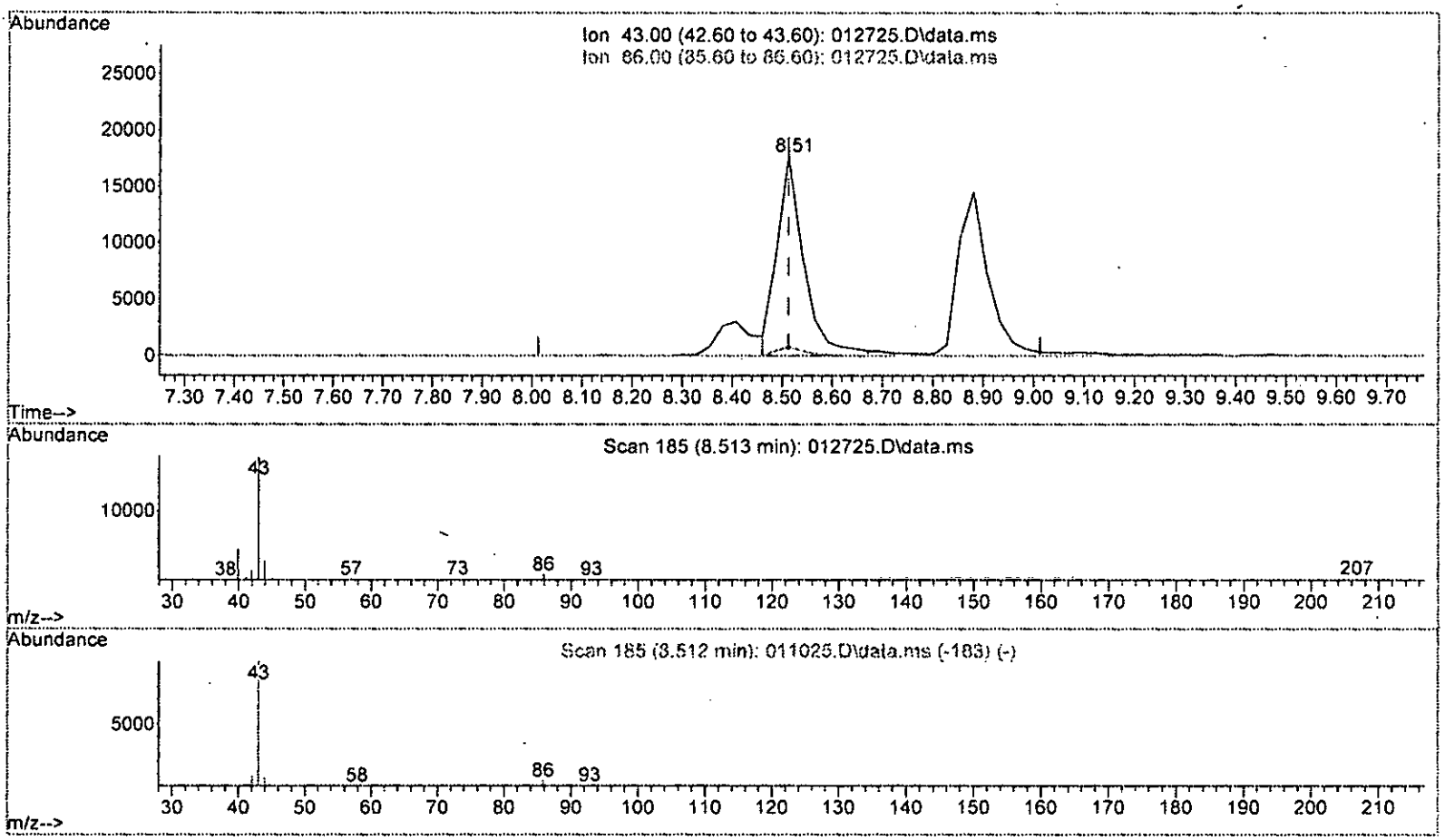
response 83238

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(26) Vinyl acetate (TMP)

8.513min (-0.000) 2.477 ppbv m

response 65586

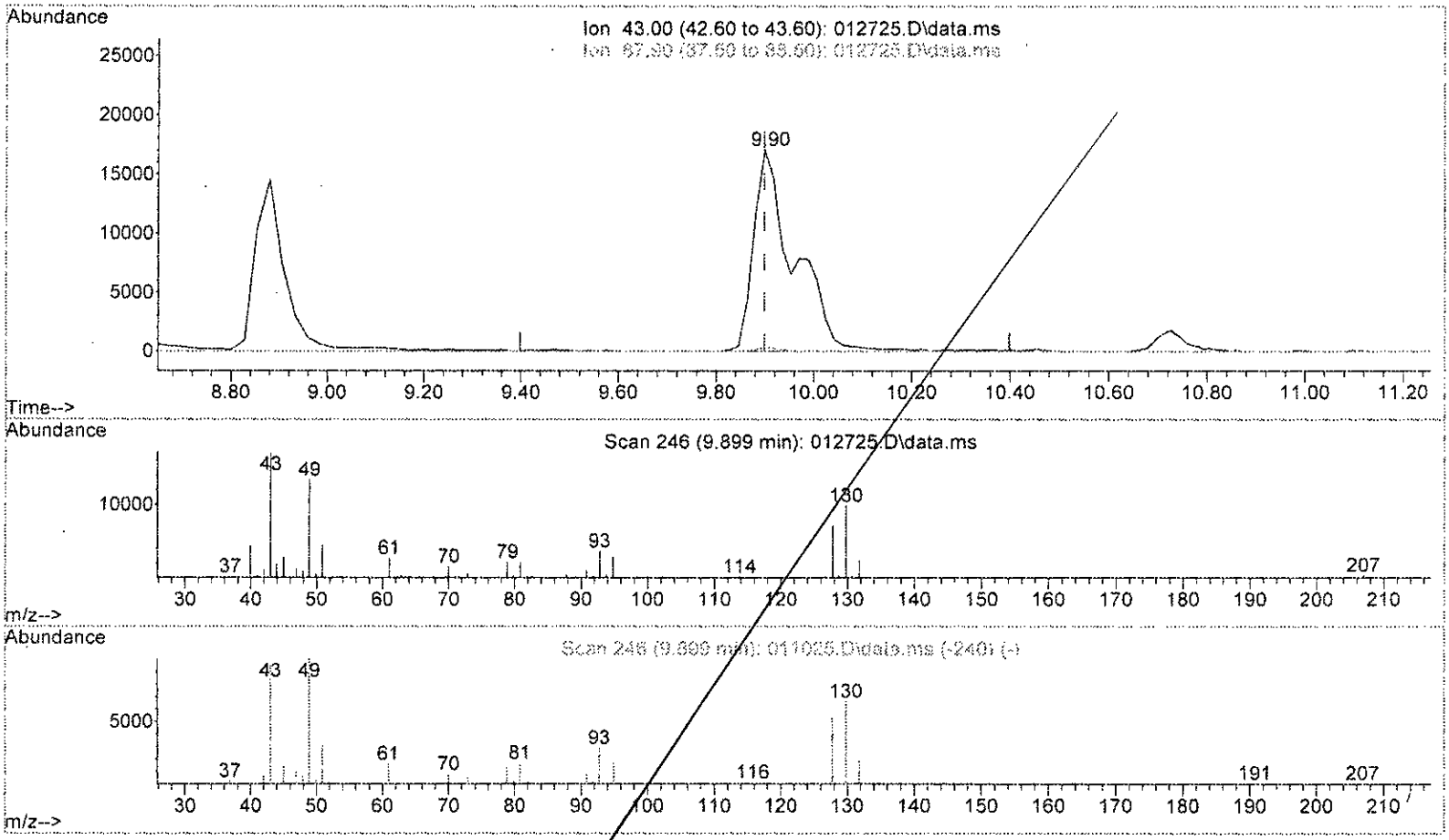
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.50
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(31) Ethyl acetate (TMP)
9.899min (+ 0.000) 3.736 ppbv
response 98396

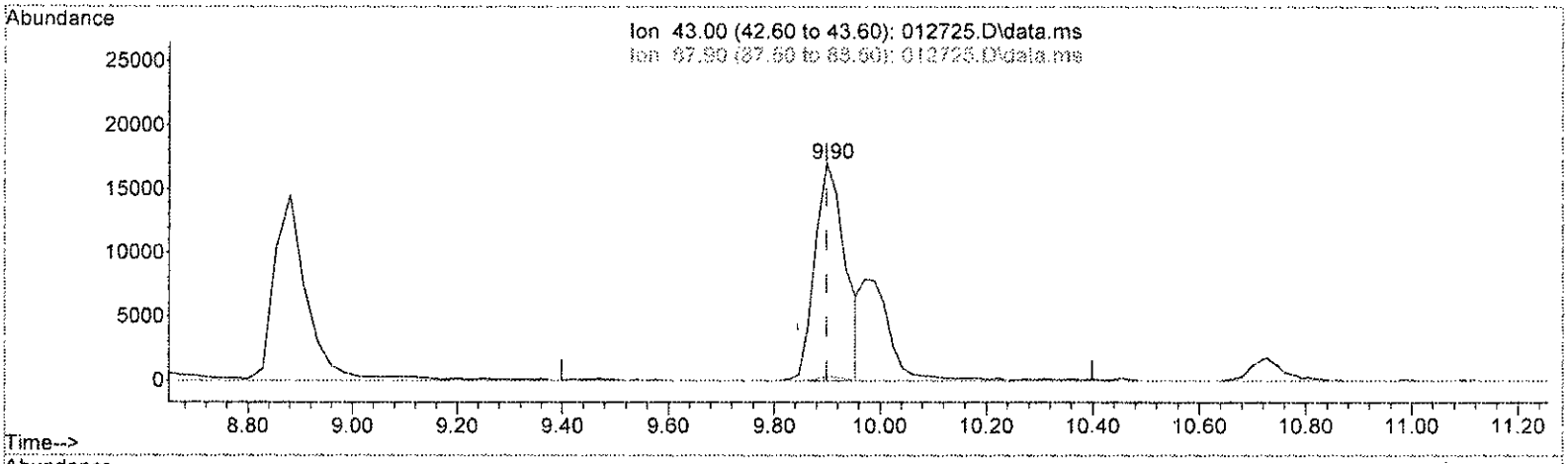
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	0.99#
0.00	0.00	0.00
0.00	0.00	0.00

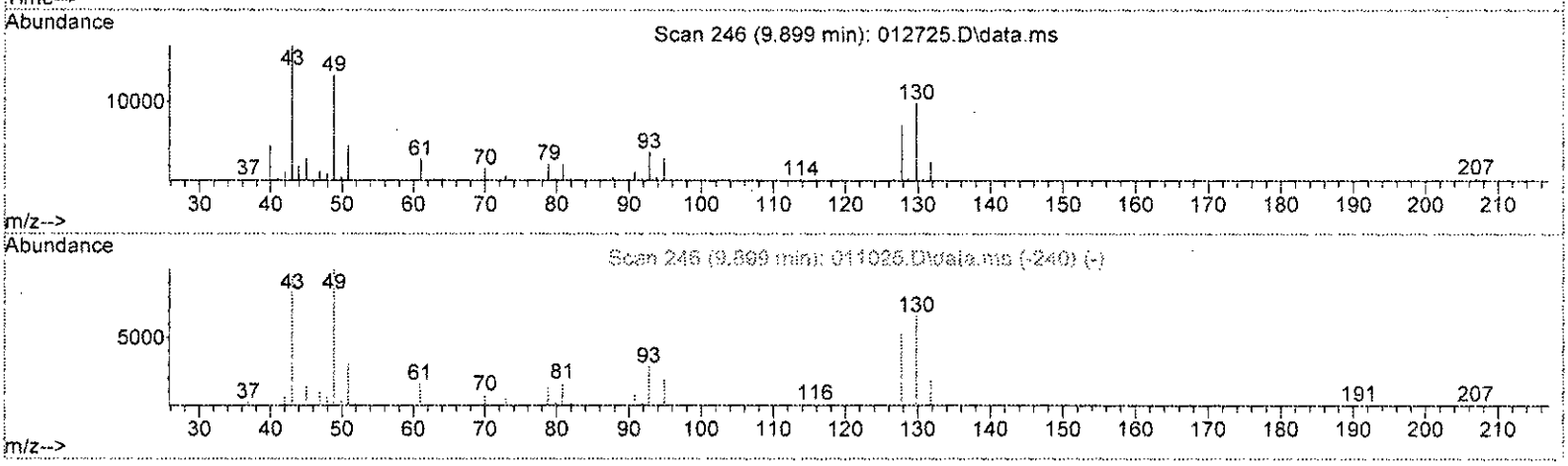
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 012725.D\data.ms

(31) Ethyl acetate (TMP)

9.899min (+ 0.000) 2.596 ppbv m

response 68357

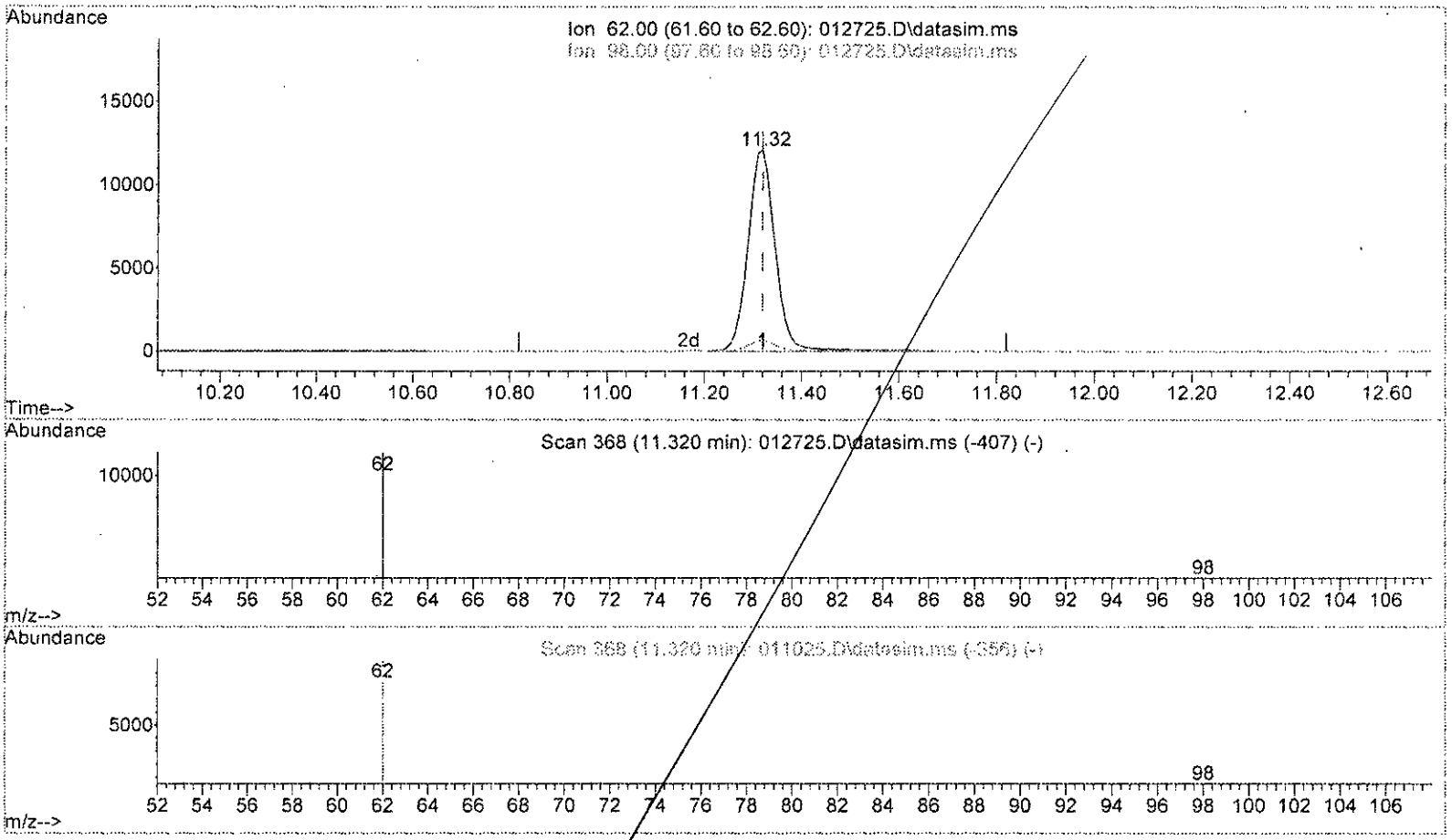
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.42
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.685 ppbv

response 47605

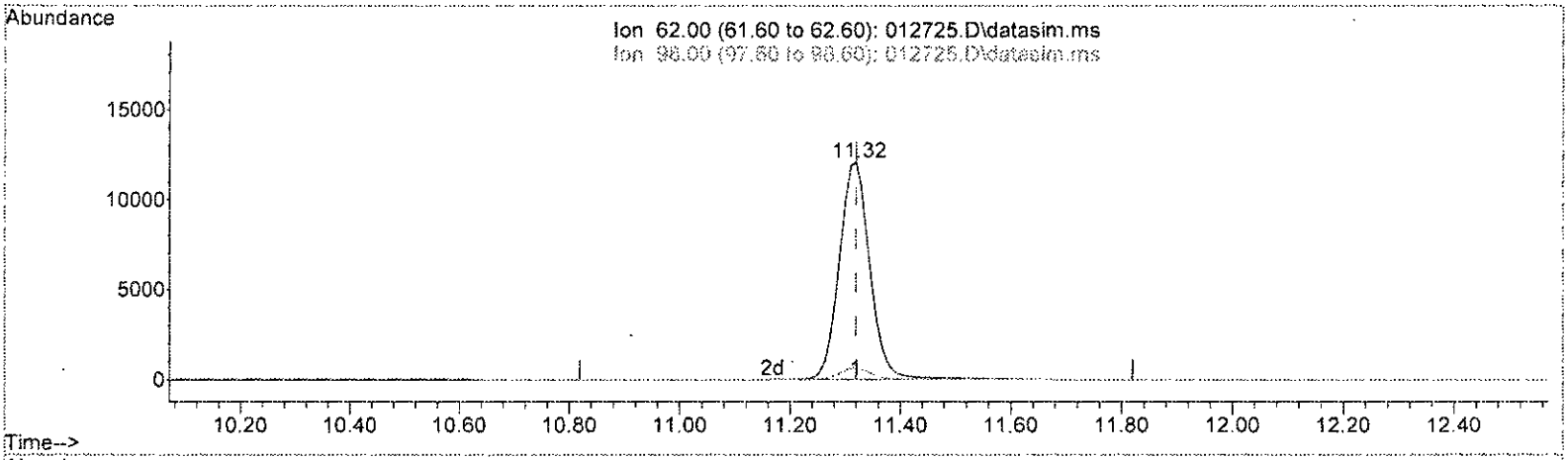
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.59
0.00	0.00	0.00
0.00	0.00	0.00

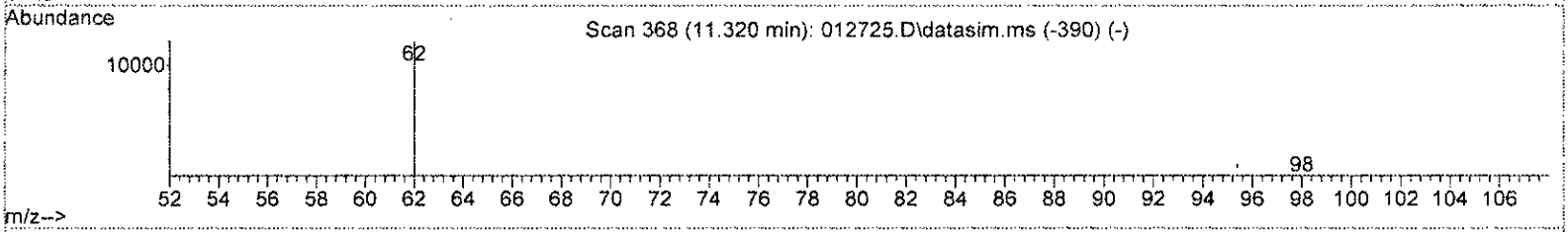
1/30/23

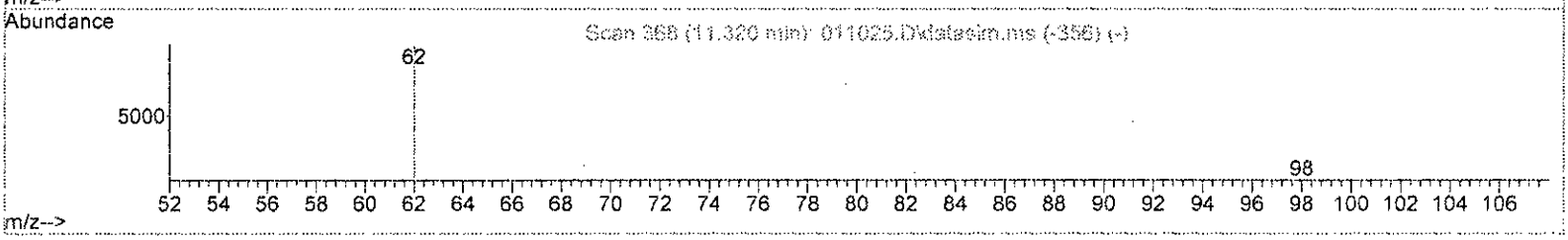
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 012725.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.590 ppbv m

response 45911

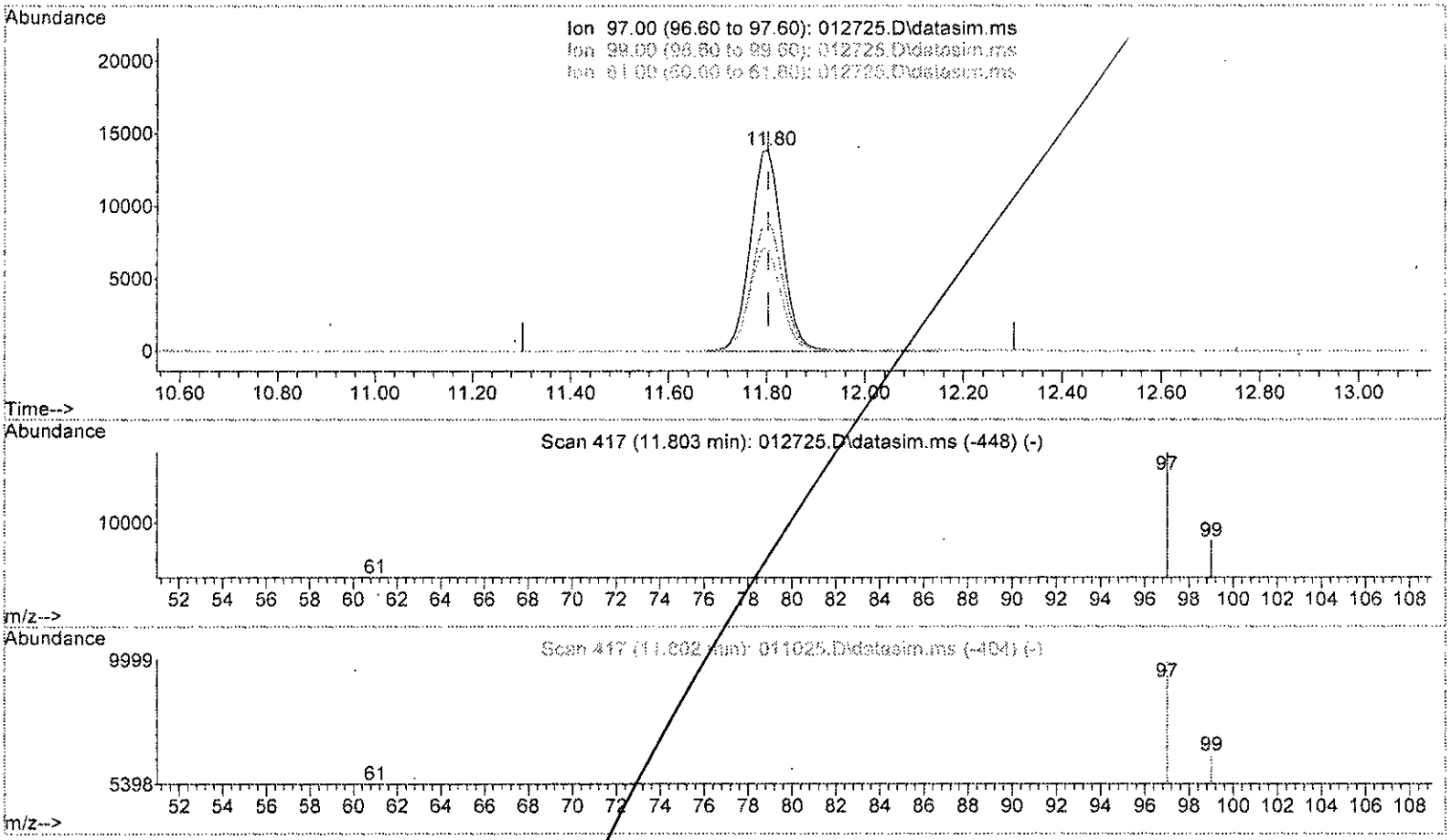
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.59
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 2.653 ppbv

response 62698

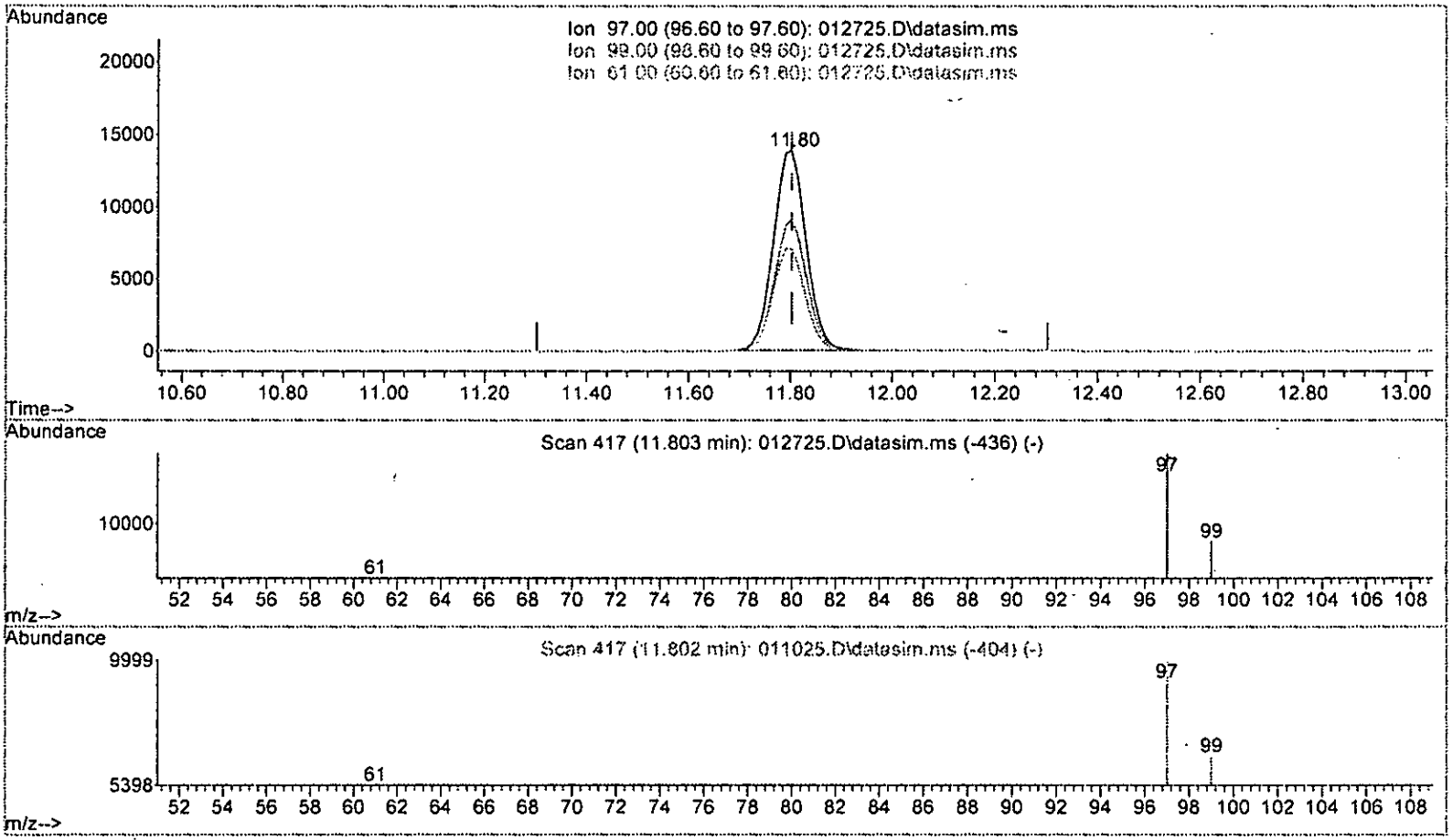
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.28
61.00	49.30	50.95
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012725.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.803min (-0.000) 2.605 ppbv m

response 61557

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	65.28
61.00	49.30	50.95
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	74972	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	331977	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	288023	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	198169	10.354	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	23450	2.475	ppbv		95
3) Dichlorodifluoromethane	3.49	85	78932	2.580	ppbv		96
4] Chloromethane	3.69	50	30536m	2.431	ppbv		
5) F-114	3.84	85	80657	2.581	ppbv		93
6] Vinyl chloride	4.05	62	33356m	2.599	ppbv		
7] 1,3-Butadiene	4.17	54	21084	2.608	ppbv	#	85
8) Butane	4.28	43	40880	2.659	ppbv		98
9) Bromomethane	4.60	94	33342	2.622	ppbv		95
10] Chloroethane	4.80	64	12441m	2.617	ppbv		
11] Vinyl bromide	5.28	106	32327m	2.716	ppbv		
12) Ethanol	4.92	45	10020	2.580	ppbv		92
13] Acrolein	5.38	56	10722m	2.727	ppbv		
14) Pentane	6.23	43	47641	2.715	ppbv		99
15) Trichlorofluoromethane	5.80	101	90192	2.693	ppbv		100
16) Acetone	5.53	58	12827	2.340	ppbv		95
17) 2-Propanol	5.76	45	55442	2.619	ppbv	#	100
18] 1,1-Dichloroethene	6.60	96	29855	2.614	ppbv		88
19] trans-1,2-Dichloroethene	8.07	96	29768	2.649	ppbv	#	74
20) Methylene chloride	6.78	84	29090	2.692	ppbv		99
21) t-Butyl alcohol (TBA)	6.54	59	46032	2.598	ppbv	#	66
22) 3-Chloropropene	6.91	41	37867	2.635	ppbv		92
23) CFC-113	7.12	101	67442	2.660	ppbv		97
24) Carbon disulfide	7.22	76	97036	2.642	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	61414	2.581	ppbv		99
26) Vinyl acetate	8.51	43	65586m	2.477	ppbv		
27] 1,1-Dichloroethane	8.33	63	63070	2.625	ppbv		98
28] cis-1,2-Dichloroethene	9.60	96	31549	2.587	ppbv		87
29) Hexane	9.99	57	39192	2.557	ppbv		95
30] Chloroform	10.07	83	73678	2.609	ppbv		97
31) Ethyl acetate	9.90	43	68357m	2.596	ppbv		
32) Tetrahydrofuran	10.73	42	38174	2.740	ppbv		92
33) 2-Butanone (MEK)	8.88	72	10856	2.692	ppbv	#	86
34] 1,2-Dichloroethane (EDC)	11.32	62	45911m	2.590	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	61557m	2.605	ppbv		
36] Carbon tetrachloride	12.84	117	65946	2.651	ppbv		99
37] Benzene	12.59	78	100688	2.523	ppbv		96
38) Cyclohexane	13.05	84	25337	2.612	ppbv		94
40] 1,2-Dichloropropane	13.79	63	47628	2.586	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

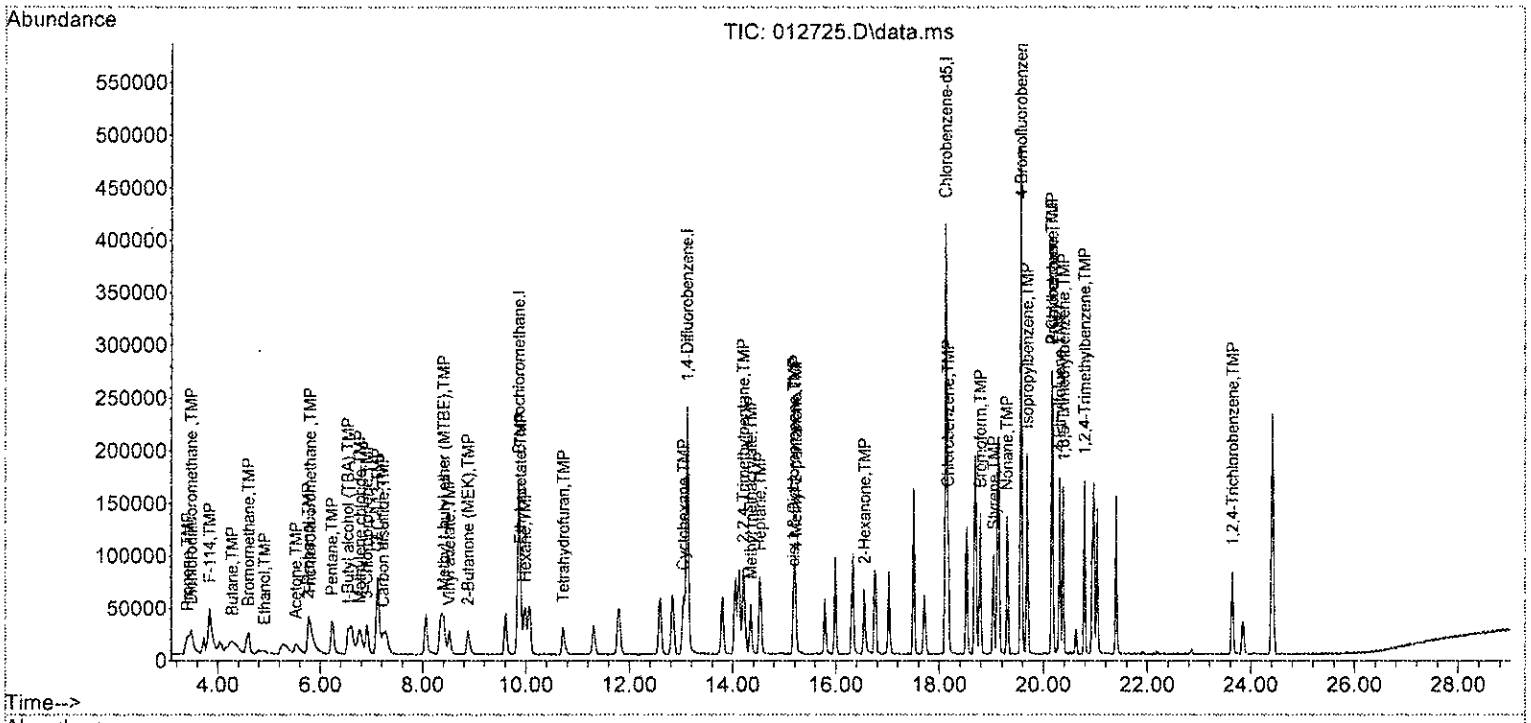
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	20069	2.603	ppbv		93
42) 2,2,4-Trimethylpentane	14.20	57	139355	2.587	ppbv		96
43) Methyl methacrylate	14.35	41	38410	2.558	ppbv		93
44) Heptane	14.52	43	57226	2.608	ppbv		97
45] Bromodichloromethane	14.04	83	77972	2.597	ppbv		97
46] Trichloroethene	14.11	95	48603	2.528	ppbv		83
47) cis-1,3-Dichloropropene	15.18	75	55074	2.639	ppbv		99
48) 4-Methyl-2-pentanone	15.22	100	3691	2.615	ppbv	#	86
49] trans-1,3-Dichloropropene	15.78	75	48496	2.469	ppbv		88
50] Toluene	16.31	92	62463	2.562	ppbv		93
51] 1,1,2-Trichloroethane	15.99	83	47262	2.620	ppbv		87
52) 2-Hexanone	16.55	43	65508	2.612	ppbv		98
53] Tetrachloroethene	17.51	164	40370	2.571	ppbv		94
54] Dibromochloromethane	16.75	129	78573	2.594	ppbv		98
55] 1,2-Dibromoethane (EDB)	17.03	107	68221	2.497	ppbv		99
57) Chlorobenzene	18.16	112	83686	2.524	ppbv		98
58] Ethylbenzene	18.52	91	137775	2.444	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.11	83	109966	2.471	ppbv		91
60) Nonane	19.30	43	74854	2.557	ppbv		98
61) Isopropylbenzene	19.69	105	137975	2.565	ppbv		98
62) 2-Chlorotoluene	20.17	126	34551	2.587	ppbv		86
63) Propylbenzene	20.17	91	262098	2.656	ppbv		98
64) 4-Ethyltoluene	20.31	105	116235	2.481	ppbv		100
65] m,p-Xylene	18.70	106	96609	5.235	ppbv		96
66] o-Xylene	19.15	106	47929	2.618	ppbv		95
67) Styrene	19.04	104	63602	2.628	ppbv		97
68) Bromoform	18.79	173	78723	2.574	ppbv		97
70] Benzyl chloride	20.93	91	79721	2.556	ppbv		88
71) 1,3,5-Trimethylbenzene	20.38	105	117693	2.656	ppbv		98
72) 1,2,4-Trimethylbenzene	20.79	105	99773	2.599	ppbv		96
73] 1,3-Dichlorobenzene	20.97	146	75181	2.565	ppbv		97
74] 1,4-Dichlorobenzene	21.03	146	68662	2.560	ppbv		85
75] 1,2-Dichlorobenzene	21.41	146	77748	2.594	ppbv		92
76) 1,2,4-Trichlorobenzene	23.64	180	37421	2.172	ppbv		99
77] Naphthalene	23.84	128	49529	2.188	ppbv		100
78] Hexachlorobutadiene	24.42	225	72173	2.444	ppbv		99

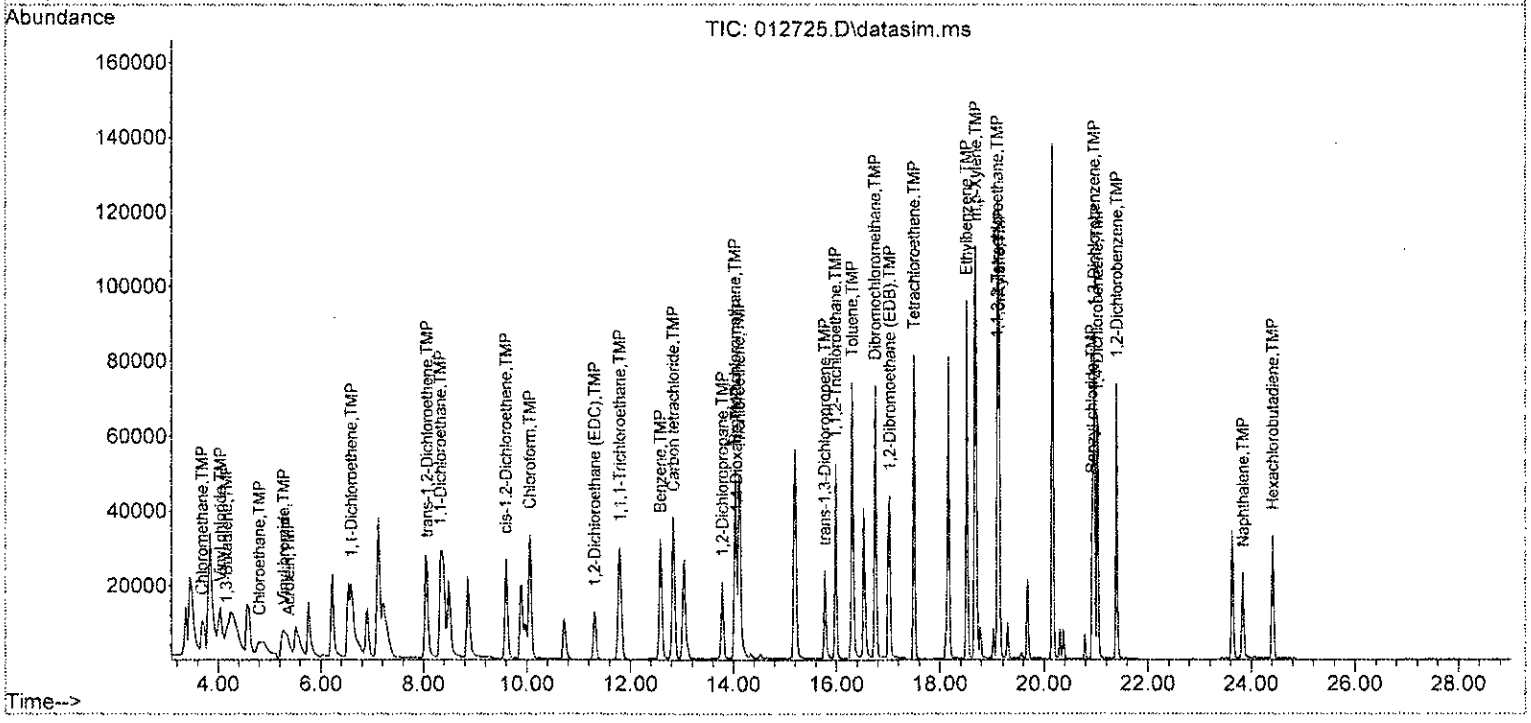
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	2.500	2.475	1.0	100	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.580	-3.2	100	0.00
4	TMP	Chloromethane	2.500	2.431	2.8	100	0.00
5	TMP	F-114	2.500	2.581	-3.2	100	0.00
6	TMP	Vinyl chloride	2.500	2.599	-4.0	100	0.00
7	TMP	1,3-Butadiene	2.500	2.608	-4.3	100	0.00
8	TMP	Butane	2.500	2.659	-6.4	100	0.00
9	TMP	Bromomethane	2.500	2.622	-4.9	100	0.00
10	TMP	Chloroethane	2.500	2.617	-4.7	100	0.00
11	TMP	Vinyl bromide	2.500	2.716	-8.6	101	0.00
12	TMP	Ethanol	2.500	2.580	-3.2	100	0.00
13	TMP	Acrolein	2.500	2.727	-9.1	101	0.00
14	TMP	Pentane	2.500	2.715	-8.6	100	0.00
15	TMP	Trichlorofluoromethane	2.500	2.693	-7.7	100	0.00
16	TMP	Acetone	2.500	2.340	6.4	100	0.00
17	TMP	2-Propanol	2.500	2.619	-4.8	100	0.00
18	TMP	1,1-Dichloroethene	2.500	2.614	-4.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.649	-6.0	100	0.00
20	TMP	Methylene chloride	2.500	2.692	-7.7	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.598	-3.9	100	0.00
22	TMP	3-Chloropropene	2.500	2.635	-5.4	105	0.00
23	TMP	CFC-113	2.500	2.660	-6.4	100	0.00
24	TMP	Carbon disulfide	2.500	2.642	-5.7	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.581	-3.2	100	0.00
26	TMP	Vinyl acetate	2.500	2.477	0.9	102	0.00
27	TMP	1,1-Dichloroethane	2.500	2.625	-5.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.587	-3.5	100	0.00
29	TMP	Hexane	2.500	2.557	-2.3	100	0.00
30	TMP	Chloroform	2.500	2.609	-4.4	100	0.00
31	TMP	Ethyl acetate	2.500	2.596	-3.8	100	0.00
32	TMP	Tetrahydrofuran	2.500	2.740	-9.6	100	0.00
33	TMP	2-Butanone (MEK)	2.500	2.692	-7.7	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.590	-3.6	100	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.605	-4.2	100	0.00
36	TMP	Carbon tetrachloride	2.500	2.651	-6.0	100	0.00
37	TMP	Benzene	2.500	2.523	-0.9	100	0.00
38	TMP	Cyclohexane	2.500	2.612	-4.5	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	2.500	2.586	-3.4	100	0.00
41	TMP	1,4-Dioxane	2.500	2.603	-4.1	100	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.587	-3.5	100	0.00
43	TMP	Methyl methacrylate	2.500	2.558	-2.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.608	-4.3	100	0.00
45	TMP	Bromodichloromethane	2.500	2.597	-3.9	100	0.00
46	TMP	Trichloroethene	2.500	2.528	-1.1	100	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.639	-5.6	100	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.615	-4.6	100	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.469	1.2	100	0.00
50	TMP	Toluene	2.500	2.562	-2.5	100	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.620	-4.8	104	0.00
52	TMP	2-Hexanone	2.500	2.612	-4.5	100	0.00
53	TMP	Tetrachloroethene	2.500	2.571	-2.8	100	0.00
54	TMP	Dibromochloromethane	2.500	2.594	-3.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.497	0.1	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	2.500	2.524	-1.0	100	0.00
58	TMP	Ethylbenzene	2.500	2.444	2.2	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.471	1.2	100	0.00
60	TMP	Nonane	2.500	2.557	-2.3	100	0.00
61	TMP	Isopropylbenzene	2.500	2.565	-2.6	100	0.00
62	TMP	2-Chlorotoluene	2.500	2.587	-3.5	100	0.00
63	TMP	Propylbenzene	2.500	2.656	-6.2	100	0.00
64	TMP	4-Ethyltoluene	2.500	2.481	0.8	100	0.00
65	TMP	m,p-Xylene	5.000	5.235	-4.7	100	0.00
66	TMP	o-Xylene	2.500	2.618	-4.7	101	0.00
67	TMP	Styrene	2.500	2.628	-5.1	100	0.00
68	TMP	Bromoform	2.500	2.574	-3.0	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.354	-3.5	100	0.00
70	TMP	Benzyl chloride	2.500	2.556	-2.2	100	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.656	-6.2	100	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.599	-4.0	100	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.565	-2.6	100	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.560	-2.4	100	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.594	-3.8	100	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.172	13.1	100	0.00
77	TMP	Naphthalene	2.500	2.188	12.5	100	0.00
78	TMP	Hexachlorobutadiene	2.500	2.444	2.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.251	2.7	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.211	-3.2	100	0.00
4	TMP	Chloromethane	1.676	1.629	2.8	100	0.00
5	TMP	F-114	4.169	4.303	-3.2	100	0.00
6	TMP	Vinyl chloride	1.712	1.780	-4.0	100	0.00
7	TMP	1,3-Butadiene	1.078	1.125	-4.4	100	0.00
8	TMP	Butane	2.051	2.181	-6.3	100	0.00
9	TMP	Bromomethane	1.696	1.779	-4.9	100	0.00
10	TMP	Chloroethane	0.634	0.664	-4.7	100	0.00
11	TMP	Vinyl bromide	1.588	1.725	-8.6	101	0.00
12	TMP	Ethanol	0.538	0.535	0.6	100	0.00
13	TMP	Acrolein	0.525	0.572	-9.0	101	0.00
14	TMP	Pentane	2.340	2.542	-8.6	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.812	-7.7	100	0.00
16	TMP	Acetone	0.731	0.684	6.4	100	0.00
17	TMP	2-Propanol	2.824	2.958	-4.7	100	0.00
18	TMP	1,1-Dichloroethene	1.523	1.593	-4.6	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.588	-5.9	100	0.00
20	TMP	Methylene chloride	1.441	1.552	-7.7	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.456	-3.9	100	0.00
22	TMP	3-Chloropropene	1.917	2.020	-5.4	105	0.00
23	TMP	CFC-113	3.382	3.598	-6.4	100	0.00
24	TMP	Carbon disulfide	4.899	5.177	-5.7	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.277	-3.2	100	0.00
26	TMP	Vinyl acetate	3.532	3.499	0.9	102	0.00
27	TMP	1,1-Dichloroethane	3.205	3.365	-5.0	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.683	-3.4	100	0.00
29	TMP	Hexane	2.044	2.091	-2.3	100	0.00
30	TMP	Chloroform	3.767	3.931	-4.4	100	0.00
31	TMP	Ethyl acetate	3.512	3.647	-3.8	100	0.00
32	TMP	Tetrahydrofuran	1.858	2.037	-9.6	100	0.00
33	TMP	2-Butanone (MEK)	0.538	0.579	-7.6	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.450	-3.6	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.284	-4.2	100	0.00
36	TMP	Carbon tetrachloride	3.318	3.518	-6.0	100	0.00
37	TMP	Benzene	5.322	5.372	-0.9	100	0.00
38	TMP	Cyclohexane	1.294	1.352	-4.5	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.574	-3.4	100	0.00
41	TMP	1,4-Dioxane	0.232	0.242	-4.3	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.679	-3.5	100	0.00
43	TMP	Methyl methacrylate	0.452	0.463	-2.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012725.D
Acq On : 28 Jan 2023 9:23 am
Operator : bat
Sample : 2.5 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 15:55:14 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

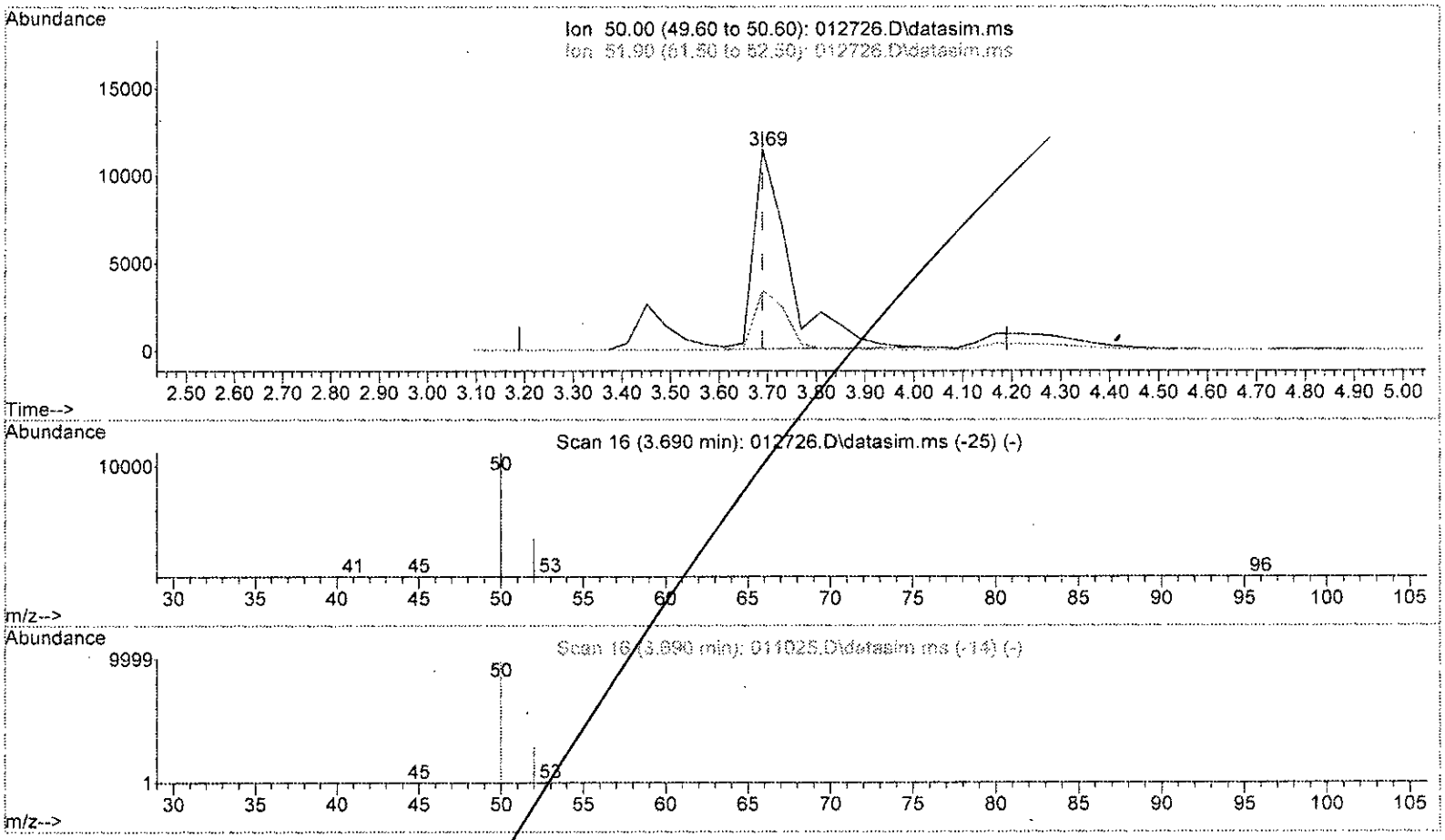
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.690	-4.4	100	0.00
45	TMP	Bromodichloromethane	0.905	0.939	-3.8	100	0.00
46	TMP	Trichloroethene	0.579	0.586	-1.2	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.664	-5.6	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.044	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.584	1.4	100	0.00
50	TMP	Toluene	0.734	0.753	-2.6	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.569	-4.8	104	0.00
52	TMP	2-Hexanone	0.755	0.789	-4.5	100	0.00
53	TMP	Tetrachloroethene	0.473	0.486	-2.7	100	0.00
54	TMP	Dibromochloromethane	0.912	0.947	-3.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.822	0.1	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.162	-1.0	100	0.00
58	TMP	Ethylbenzene	1.957	1.913	2.2	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.527	1.2	100	0.00
60	TMP	Nonane	1.017	1.040	-2.3	100	0.00
61	TMP	Isopropylbenzene	1.868	1.916	-2.6	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.480	-3.4	100	0.00
63	TMP	Propylbenzene	3.426	3.640	-6.2	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.614	0.8	100	0.00
65	TMP	m,p-Xylene	0.641	0.671	-4.7	100	0.00
66	TMP	o-Xylene	0.636	0.666	-4.7	101	0.00
67	TMP	Styrene	0.840	0.883	-5.1	100	0.00
68	TMP	Bromoform	1.062	1.093	-2.9	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.688	-3.5	100	0.00
70	TMP	Benzyl chloride	1.083	1.107	-2.2	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.634	-6.2	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.386	-4.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.044	-2.6	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.954	-2.5	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.080	-3.8	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.520	12.6	100	0.00
77	TMP	Naphthalene	0.967	0.688	28.9	100	0.00
78	TMP	Hexachlorobutadiene	1.025	1.002	2.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 4.575 ppbv

response 57695

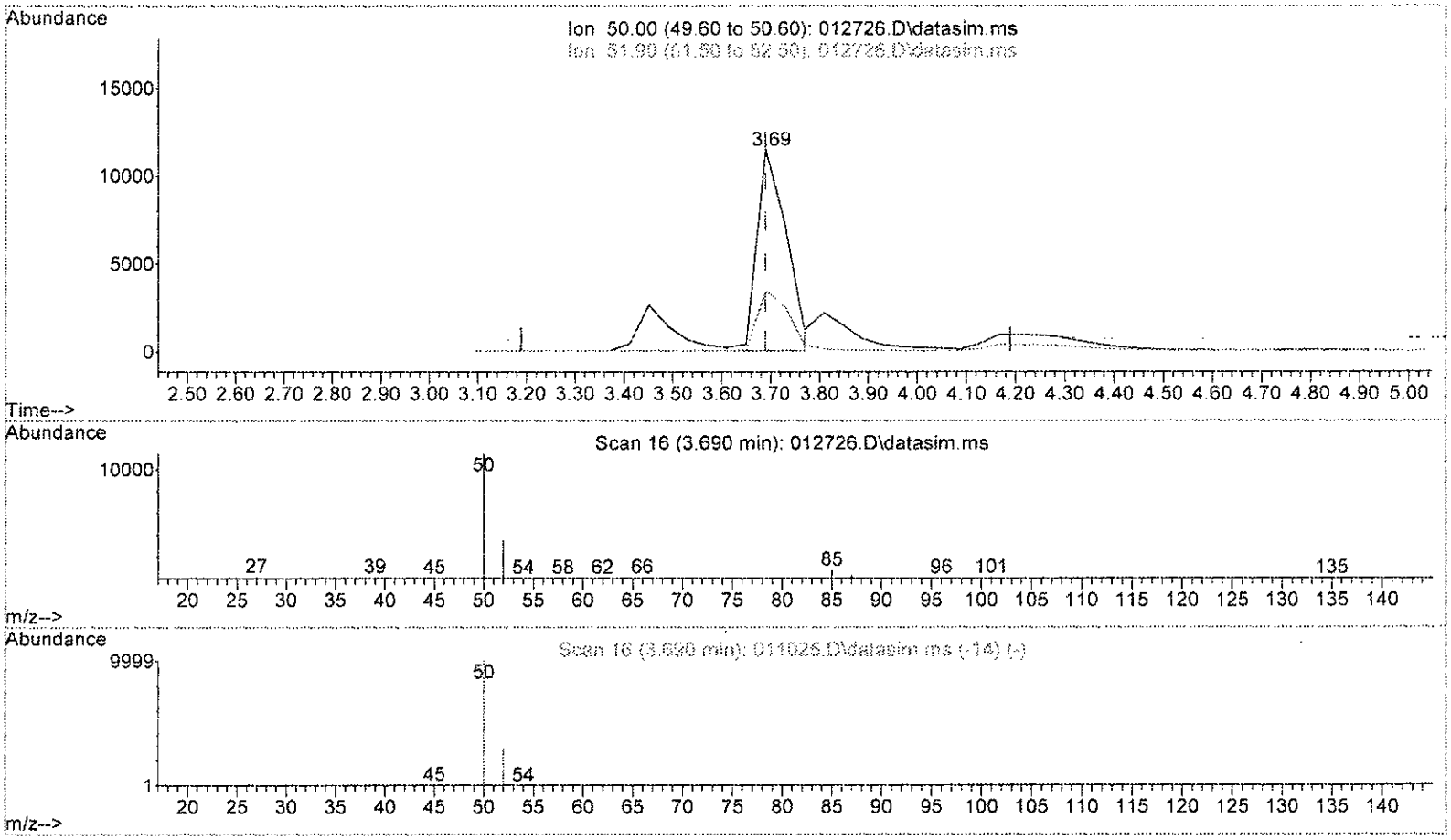
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.00
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 3.792 ppbv m

response 47830

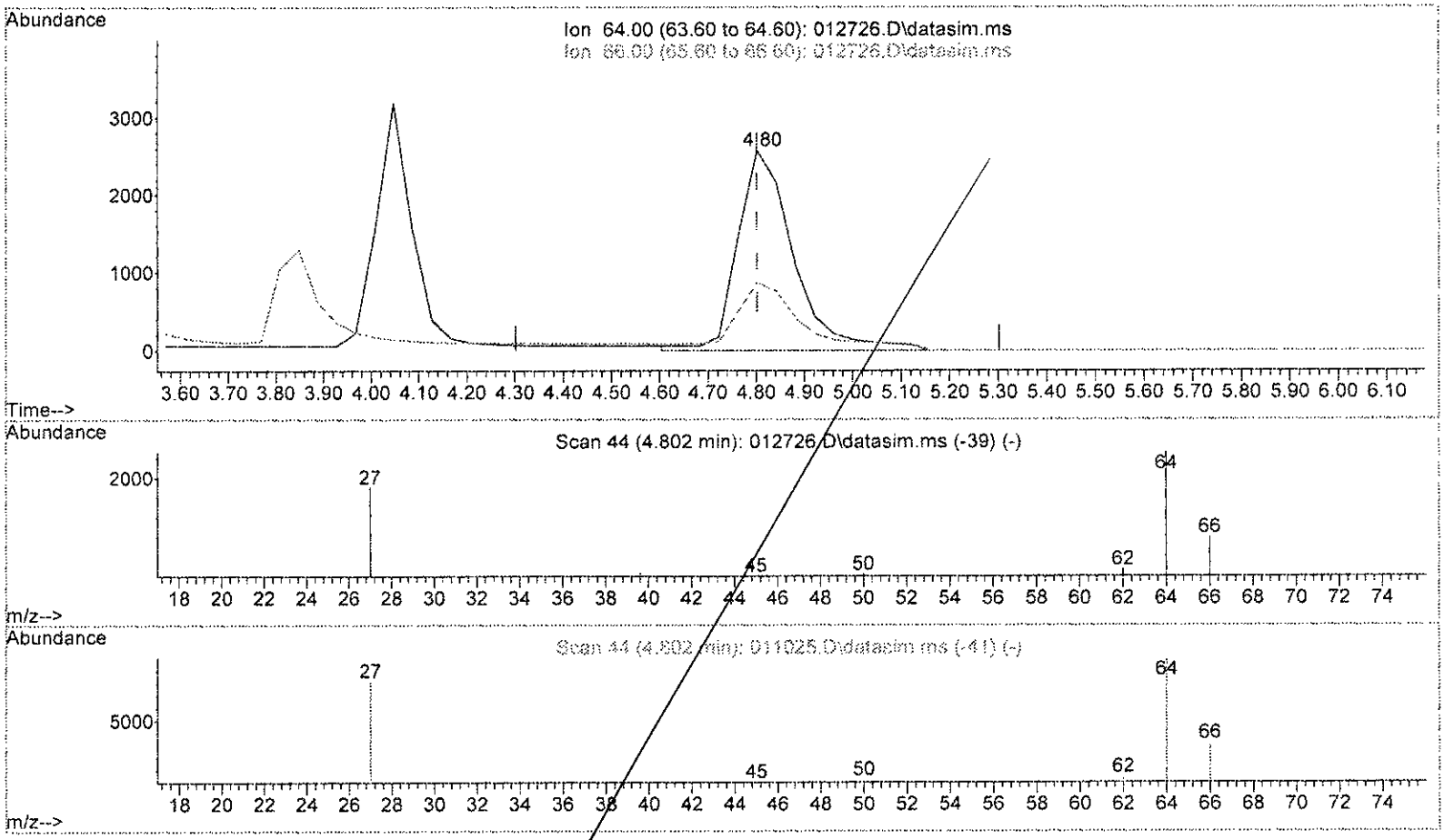
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.07
0.00	0.00	0.00
0.00	0.00	0.00

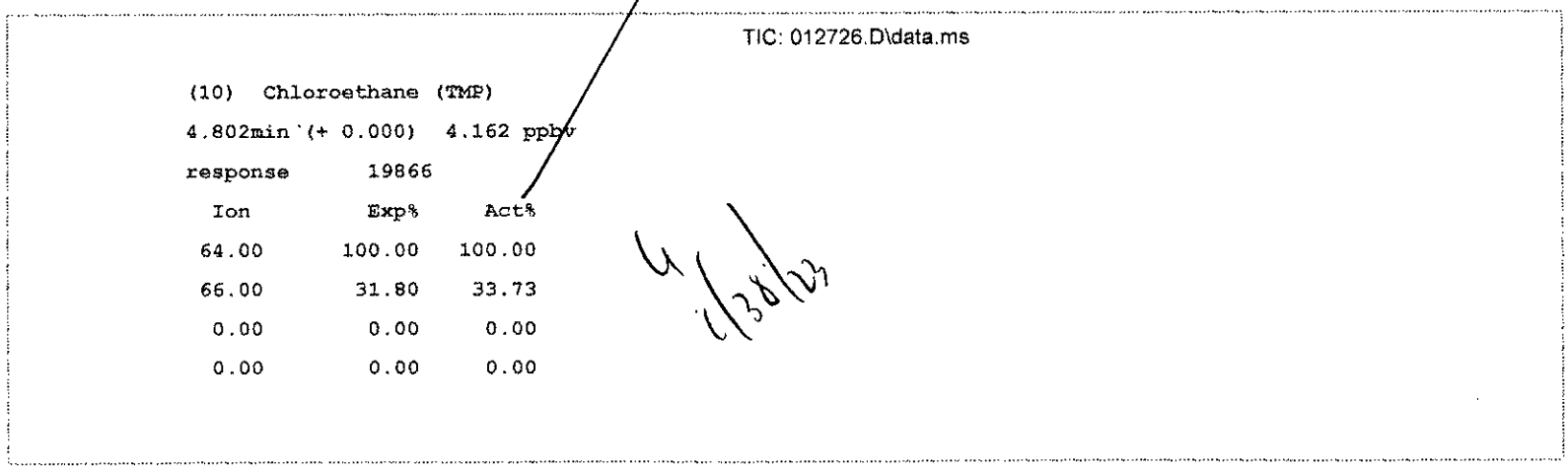
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 4.162 ppbv

response 19866

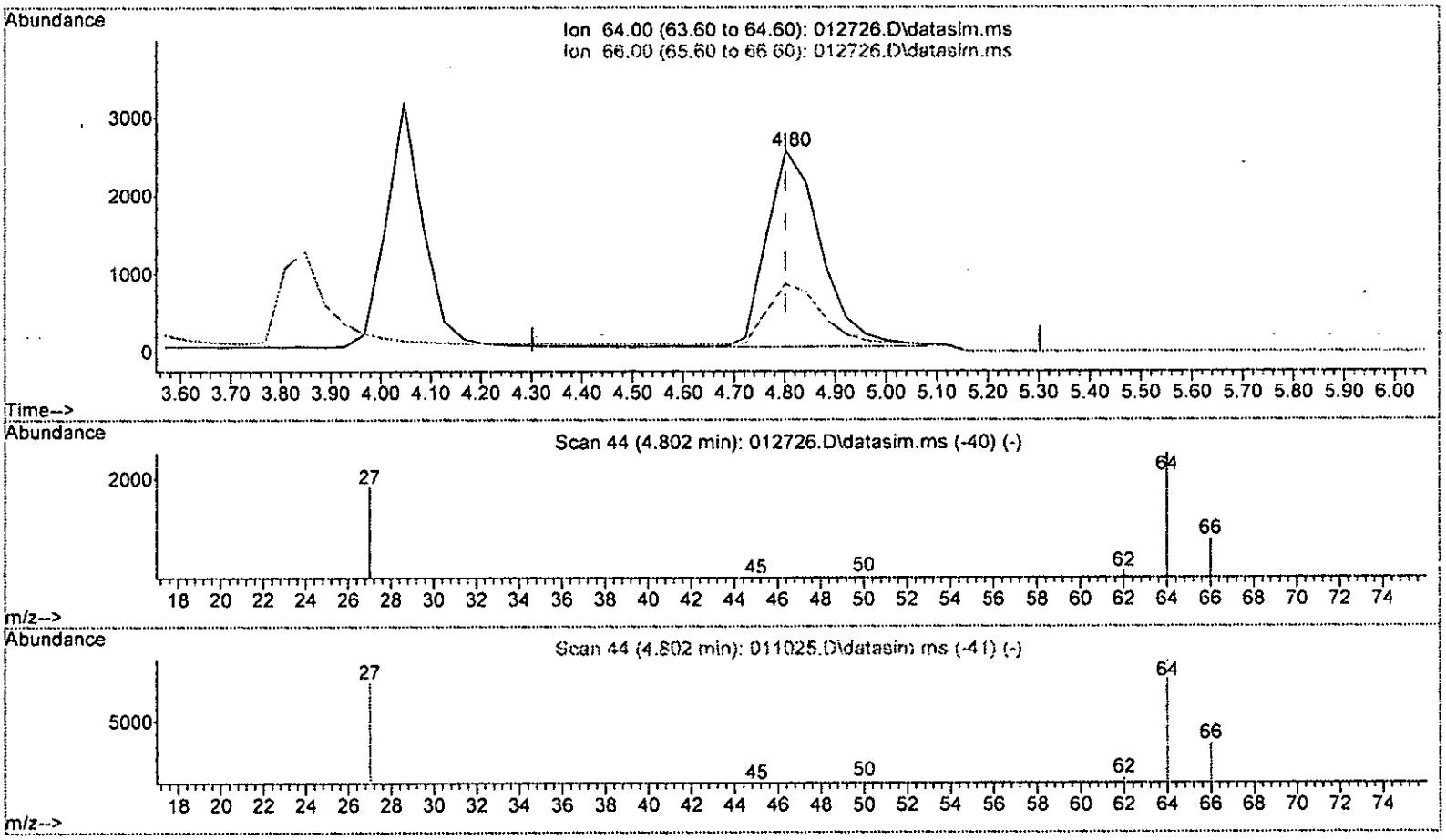
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.73
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 3.927 ppbv m

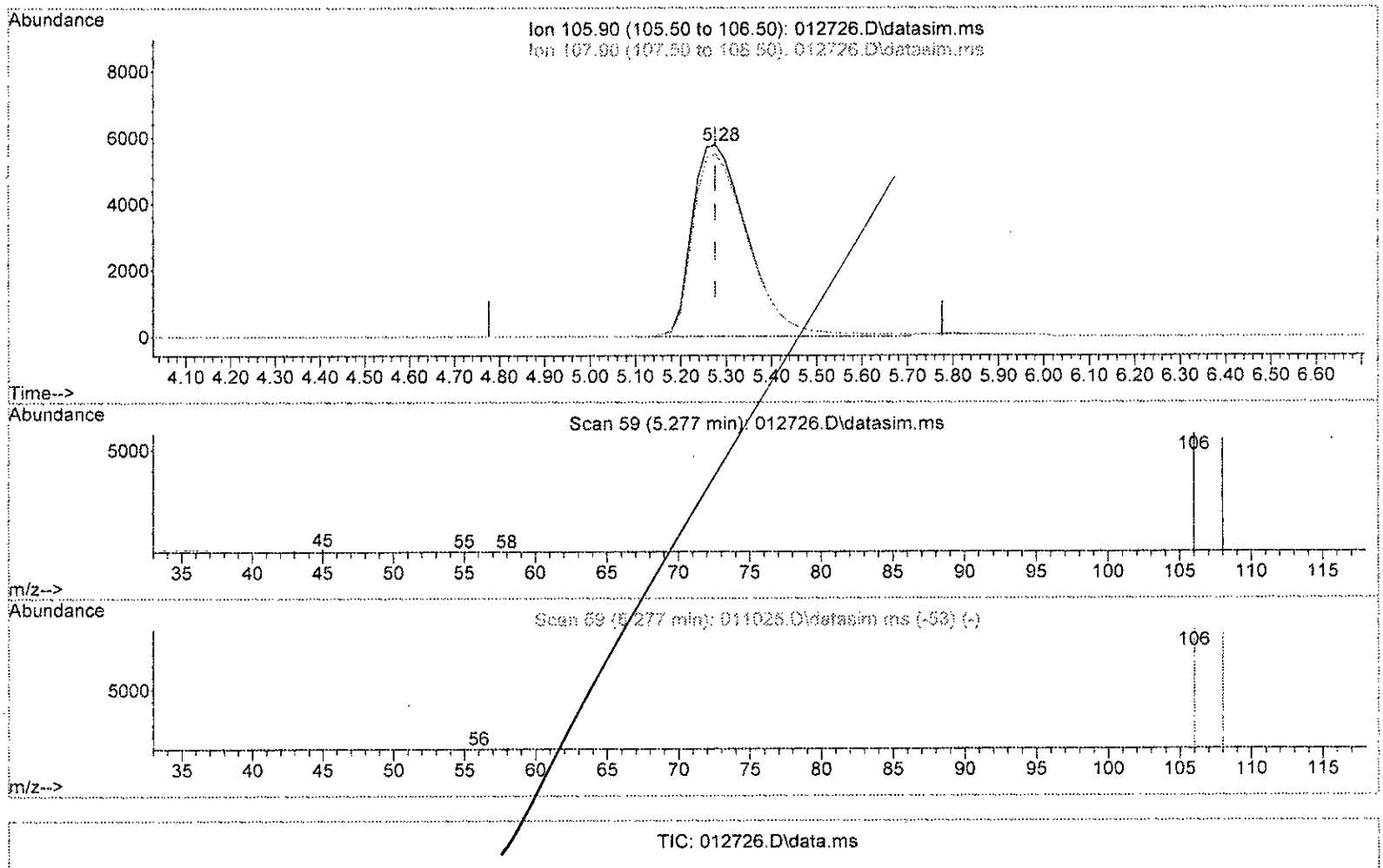
response 18743

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 4.426 ppbv

response 52888

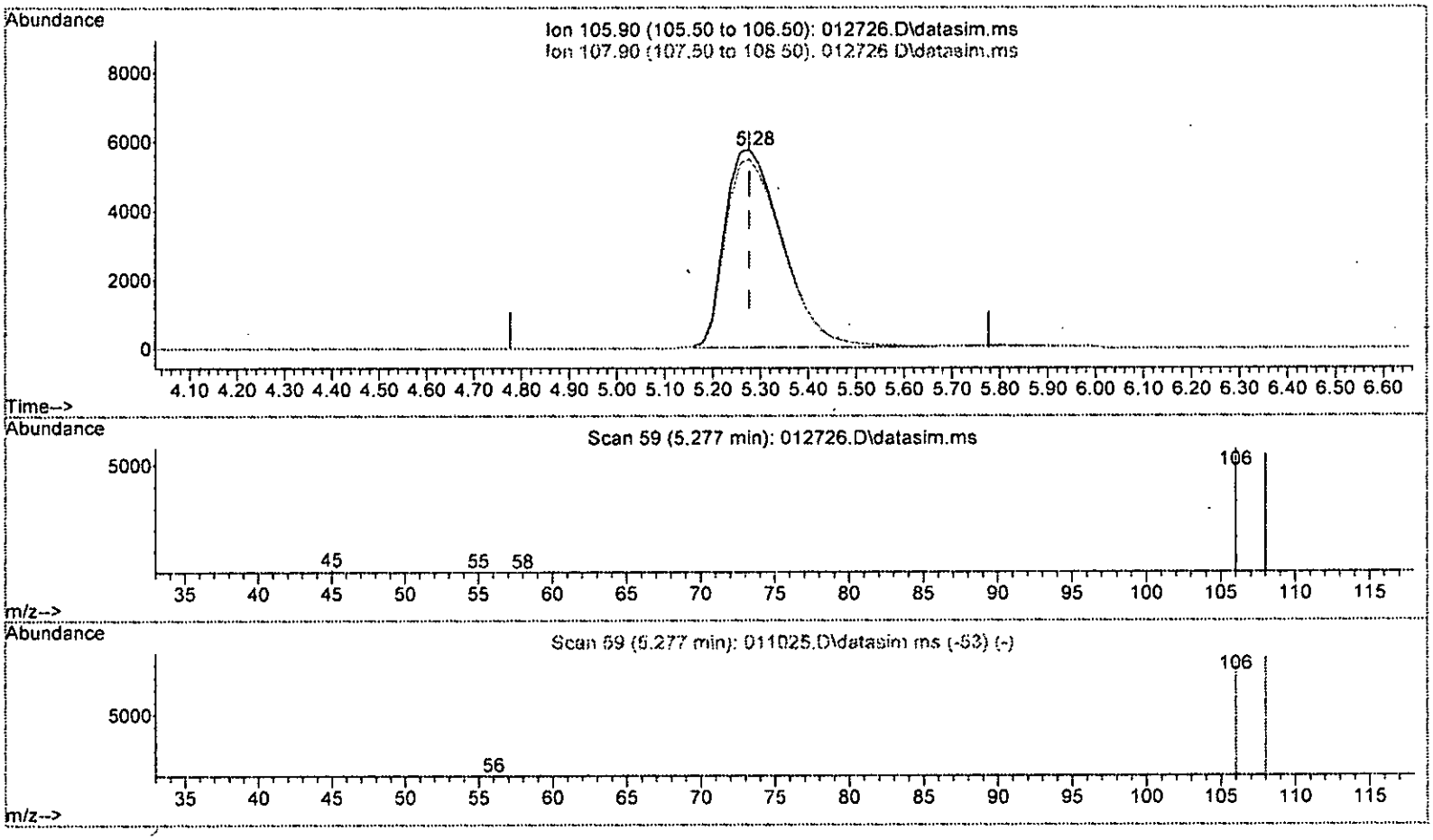
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.93
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 4.036 ppbv m

response 48228

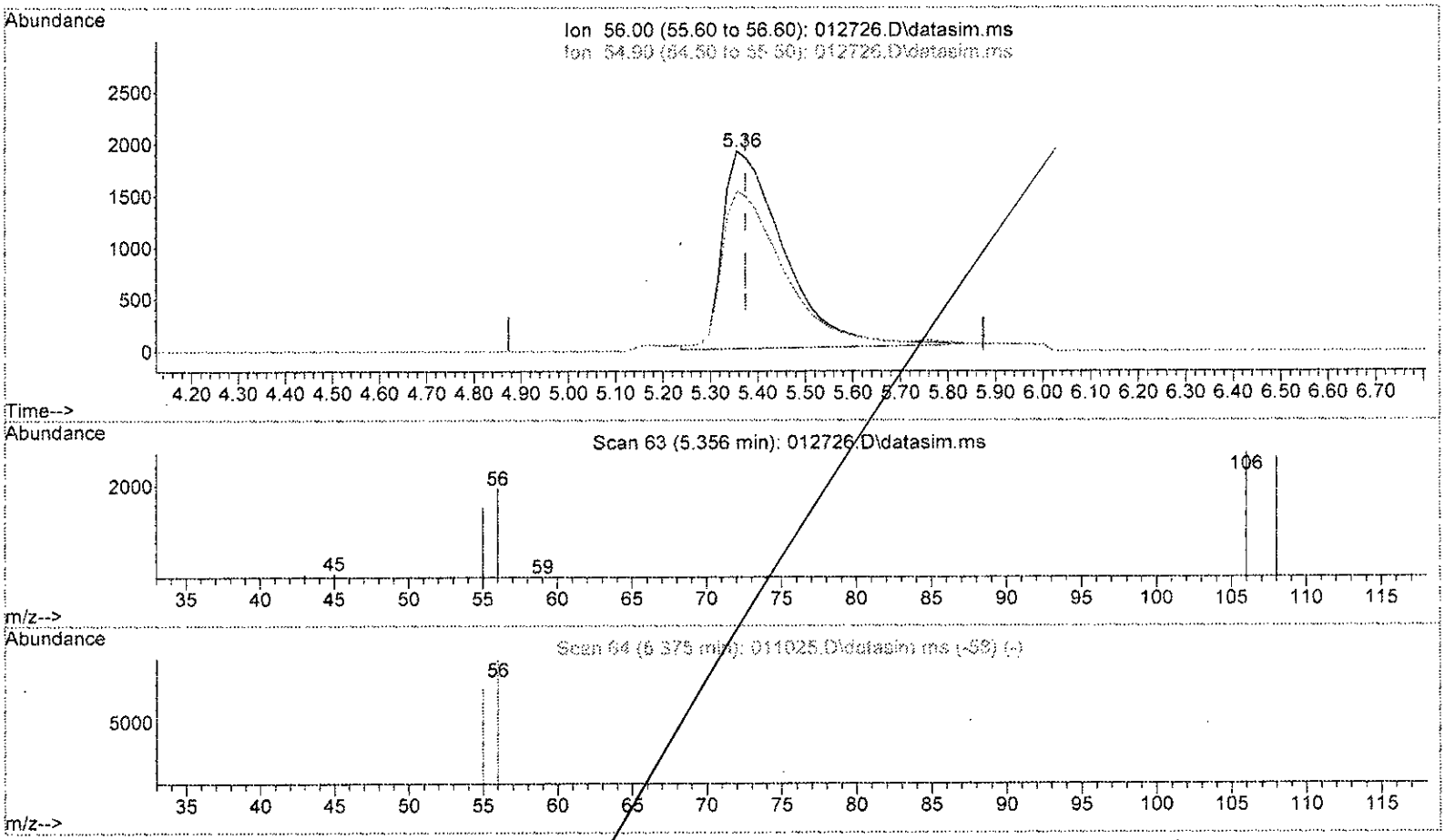
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	104.10
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 4.330 ppbv

response 17093

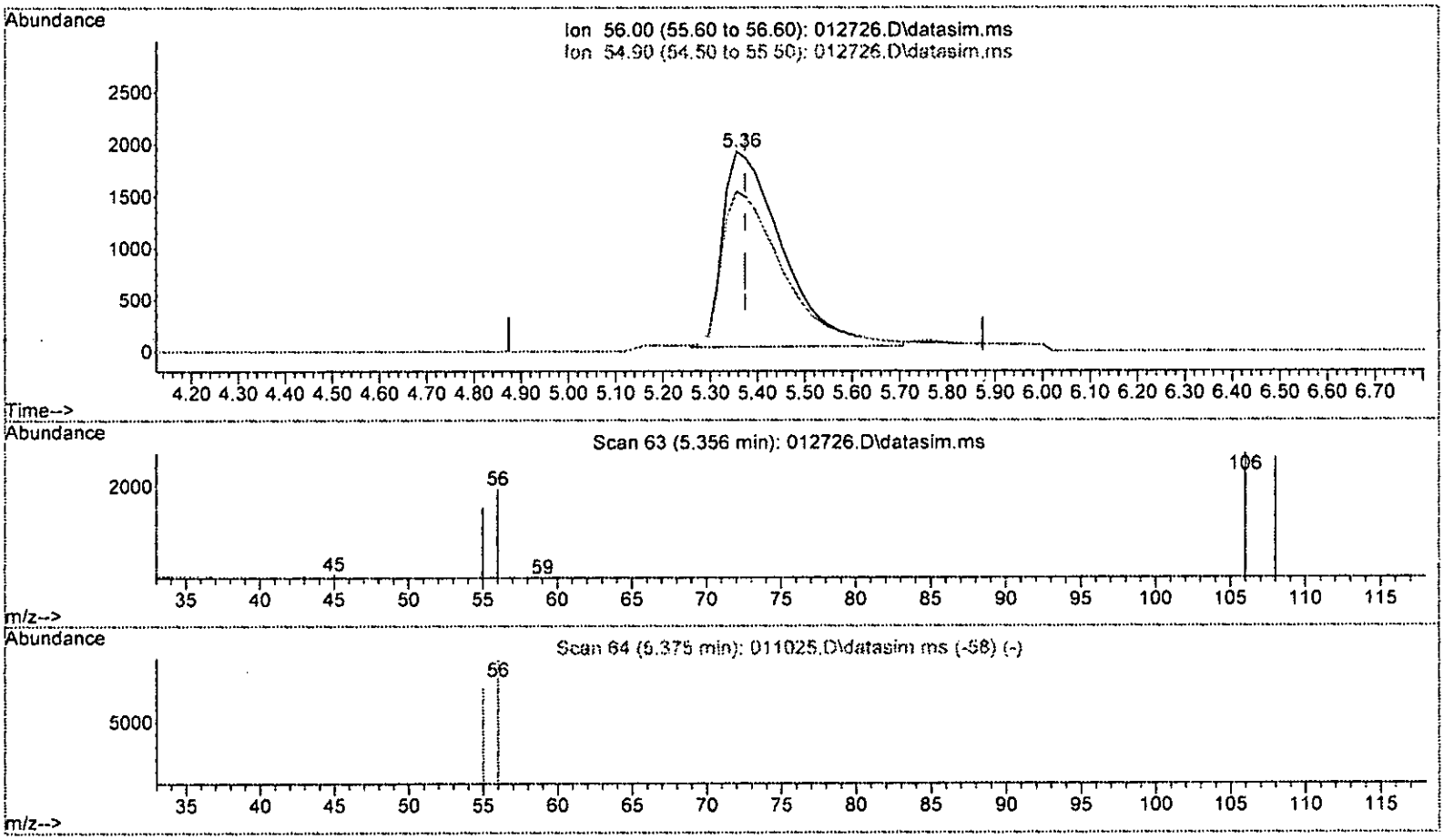
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	79.90
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 4.195 ppbv m

response 16561

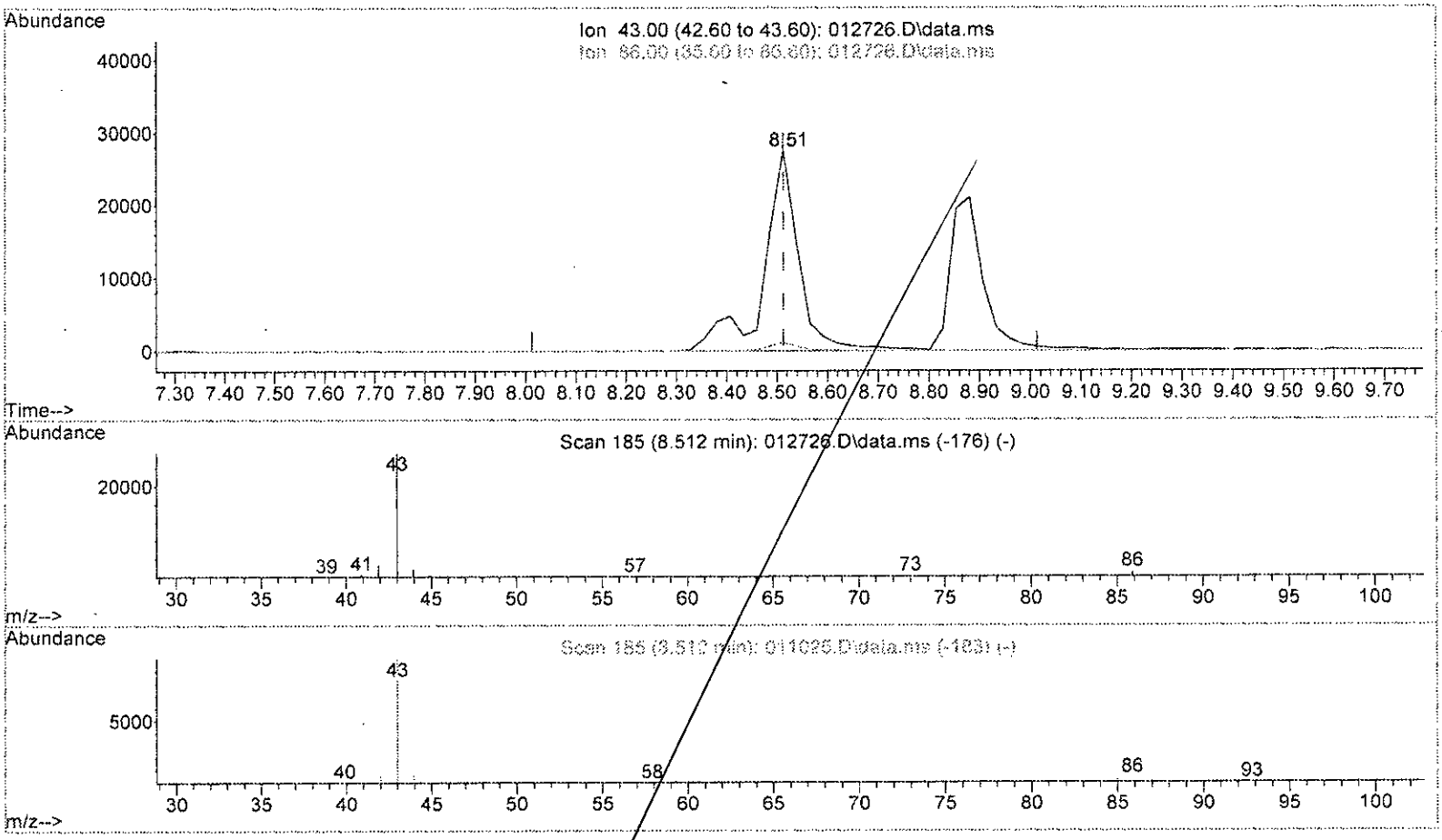
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	82.46
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(26) Vinyl acetate (TMP)
8.512min (-0.001) 4.946 ppbv
response 131476

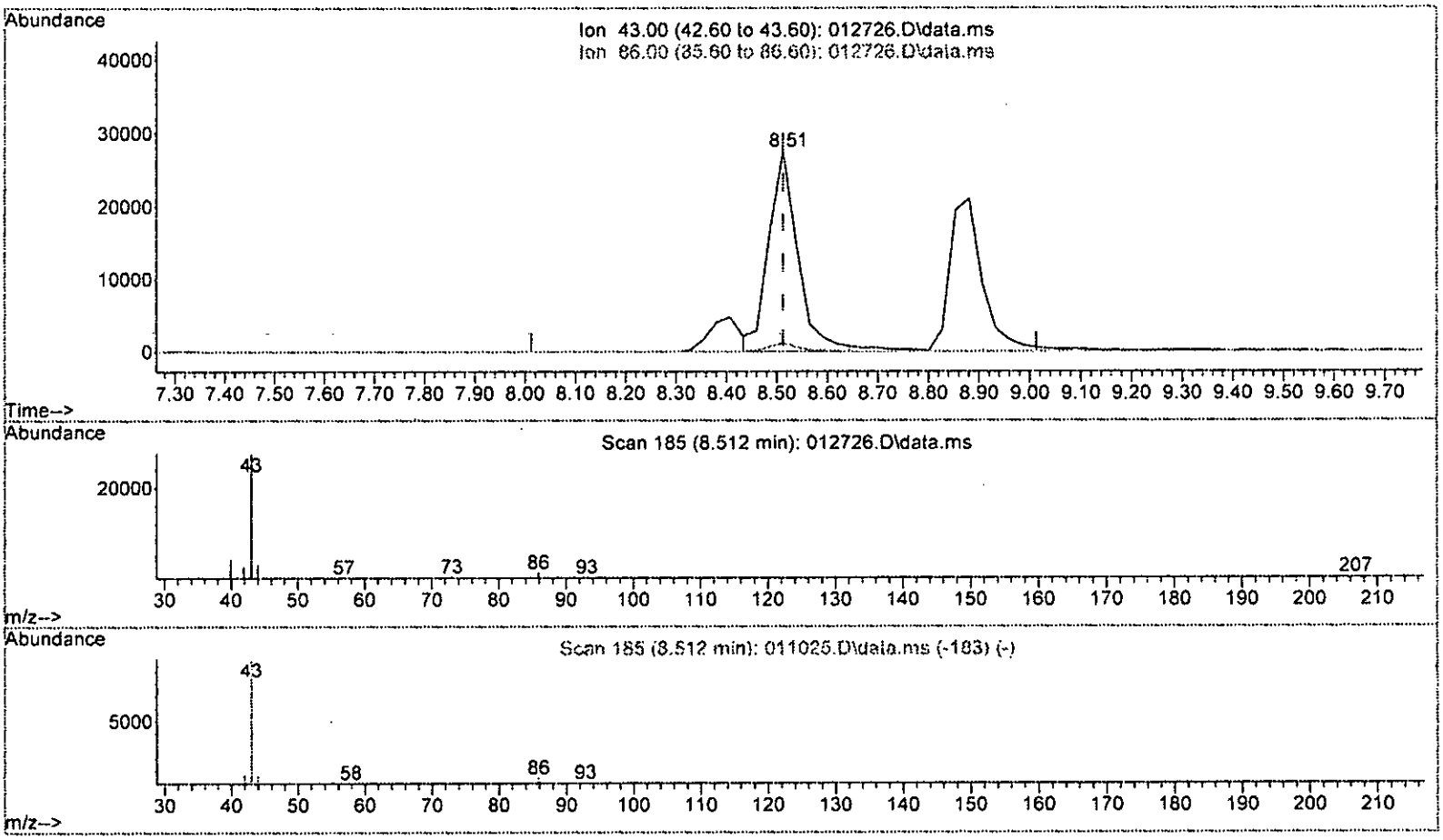
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.14
0.00	0.00	0.00
0.00	0.00	0.00

1/30/24

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012726.D\data.ms

(26) Vinyl acetate (TMP)
8.512min (-0.001) 4.084 ppbv m
response 108574

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.14
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	75269	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	325560	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	284919	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	198219	10.469	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.70%				
Target Compounds							Qvalue
2) Propene	3.41	41	35073	3.736	ppbv		92
3) Dichlorodifluoromethane	3.49	85	119220	3.881	ppbv		100
4] Chloromethane	3.69	50	47830m	3.792	ppbv		
5) F-114	3.84	85	120867	3.852	ppbv		96
6] Vinyl chloride	4.05	62	51109	3.966	ppbv		100
7] 1,3-Butadiene	4.17	54	32047	3.949	ppbv	#	86
8) Butane	4.28	43	63996	4.146	ppbv		98
9) Bromomethane	4.60	94	48542	3.802	ppbv		99
10] Chloroethane	4.80	64	18743m	3.927	ppbv		
11] Vinyl bromide	5.28	106	48228m	4.036	ppbv		
12) Ethanol	4.92	45	13629	3.580	ppbv		96
13] Acrolein	5.36	56	16561m	4.195	ppbv		
14) Pentane	6.23	43	68988	3.917	ppbv		99
15) Trichlorofluoromethane	5.80	101	133508	3.970	ppbv		98
16) Acetone	5.53	58	20137	3.659	ppbv	#	77
17) 2-Propanol	5.76	45	81919	3.854	ppbv		97
18] 1,1-Dichloroethene	6.60	96	44703	3.899	ppbv		92
19] trans-1,2-Dichloroethene	8.07	96	45026	3.991	ppbv	#	70
20) Methylene chloride	6.78	84	43486	4.008	ppbv		83
21) t-Butyl alcohol (TBA)	6.54	59	69214	3.891	ppbv	#	67
22) 3-Chloropropene	6.91	41	56937	3.946	ppbv		94
23) CFC-113	7.12	101	102339	4.021	ppbv		97
24) Carbon disulfide	7.22	76	145063	3.934	ppbv		97
25) Methyl t-butyl ether (...	8.41	73	93501	3.914	ppbv		99
26) Vinyl acetate	8.51	43	108574m	4.084	ppbv		
27] 1,1-Dichloroethane	8.33	63	94735	3.927	ppbv		98
28] cis-1,2-Dichloroethene	9.60	96	47597	3.887	ppbv		89
29) Hexane	9.99	57	60156	3.909	ppbv		94
30] Chloroform	10.07	83	110136	3.884	ppbv		98
31) Ethyl acetate	9.90	43	105269	3.982	ppbv		99
32) Tetrahydrofuran	10.72	42	58177	4.159	ppbv		98
33) 2-Butanone (MEK)	8.88	72	19156	4.731	ppbv	#	85
34] 1,2-Dichloroethane (EDC)	11.31	62	70943	3.986	ppbv		100
35] 1,1,1-Trichloroethane	11.79	97	93052	3.922	ppbv		97
36] Carbon tetrachloride	12.84	117	98641	3.950	ppbv		99
37] Benzene	12.59	78	150614	3.760	ppbv		95
38) Cyclohexane	13.05	84	38557	3.959	ppbv		98
40] 1,2-Dichloropropane	13.79	63	70770	3.918	ppbv		100

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

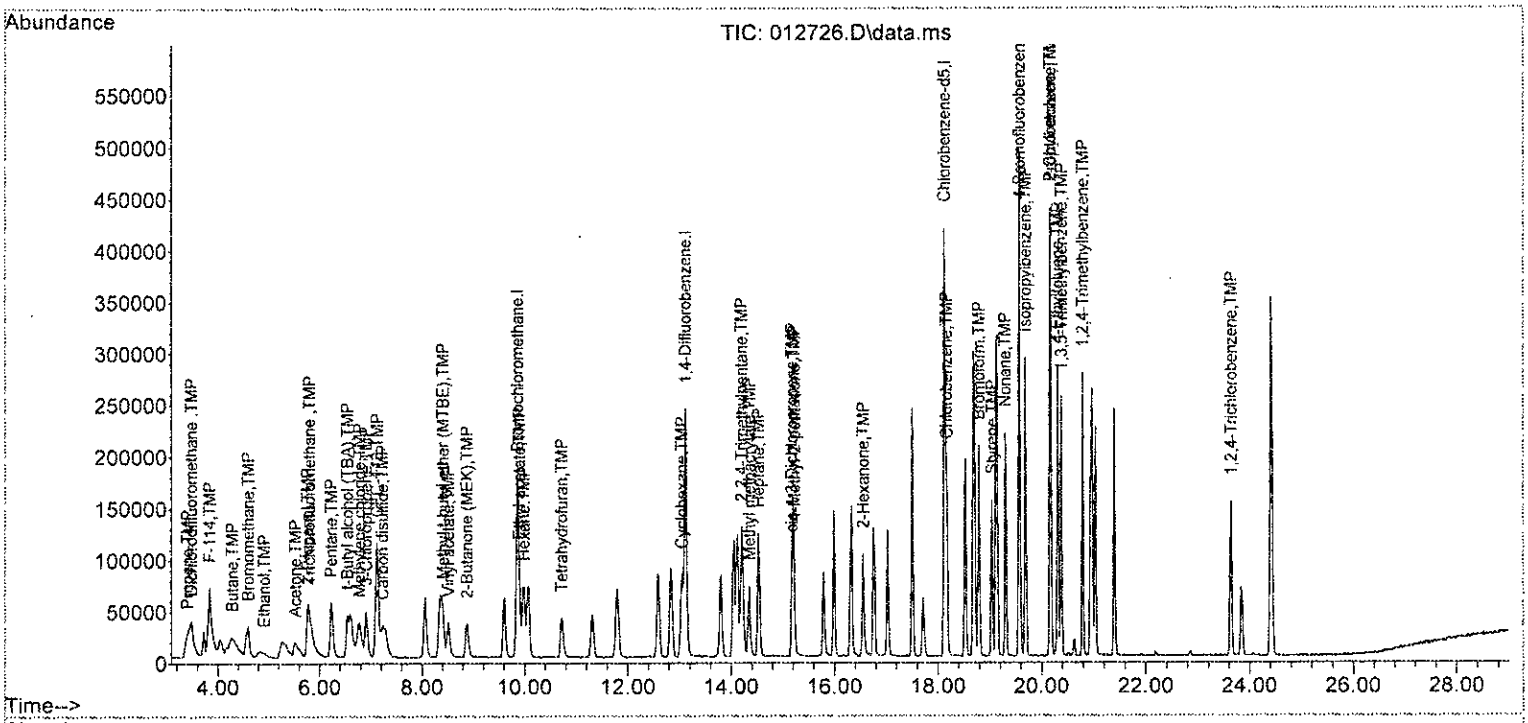
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	30164	3.990	ppbv		98
42) 2,2,4-Trimethylpentane	14.20	57	212662	4.026	ppbv		99
43) Methyl methacrylate	14.35	41	60404	4.102	ppbv		96
44) Heptane	14.52	43	88171	4.097	ppbv		98
45] Bromodichloromethane	14.04	83	116757	3.965	ppbv		96
46] Trichloroethene	14.11	95	72555	3.848	ppbv		84
47) cis-1,3-Dichloropropene	15.18	75	82519	4.032	ppbv		100
48) 4-Methyl-2-pentanone	15.22	100	5279	3.814	ppbv	#	77
49] trans-1,3-Dichloropropene	15.78	75	74638	3.875	ppbv		89
50] Toluene	16.31	92	92217	3.857	ppbv		92
51] 1,1,2-Trichloroethane	15.99	83	69829	3.947	ppbv		86
52) 2-Hexanone	16.55	43	102769	4.179	ppbv		98
53] Tetrachloroethene	17.51	164	60064	3.900	ppbv		95
54] Dibromochloromethane	16.75	129	119035	4.008	ppbv		98
55] 1,2-Dibromoethane (EDB)	17.03	107	102269	3.817	ppbv		98
57) Chlorobenzene	18.16	112	125740	3.834	ppbv		95
58] Ethylbenzene	18.52	91	210471	3.774	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.11	83	164344	3.733	ppbv		92
60) Nonane	19.30	43	121210	4.185	ppbv		99
61) Isopropylbenzene	19.69	105	212107	3.986	ppbv		99
62) 2-Chlorotoluene	20.17	126	53406	4.042	ppbv		91
63) Propylbenzene	20.17	91	415044	4.252	ppbv		98
64) 4-Ethyltoluene	20.31	105	192865	4.161	ppbv		99
65] m,p-Xylene	18.70	106	149307	8.179	ppbv		95
66] o-Xylene	19.15	106	73914	4.081	ppbv		94
67) Styrene	19.04	104	96258	4.021	ppbv		96
68) Bromoform	18.79	173	117704	3.890	ppbv		98
70] Benzyl chloride	20.93	91	131298	4.256	ppbv		89
71) 1,3,5-Trimethylbenzene	20.38	105	185482	4.231	ppbv		100
72) 1,2,4-Trimethylbenzene	20.79	105	162227	4.272	ppbv		97
73] 1,3-Dichlorobenzene	20.97	146	120341	4.150	ppbv		96
74] 1,4-Dichlorobenzene	21.03	146	110353	4.160	ppbv		86
75] 1,2-Dichlorobenzene	21.41	146	123712	4.173	ppbv		91
76) 1,2,4-Trichlorobenzene	23.64	180	70835	3.834	ppbv		96
77] Naphthalene	23.84	128	103879	3.960	ppbv		99
78] Hexachlorobutadiene	24.42	225	111728	3.824	ppbv		98

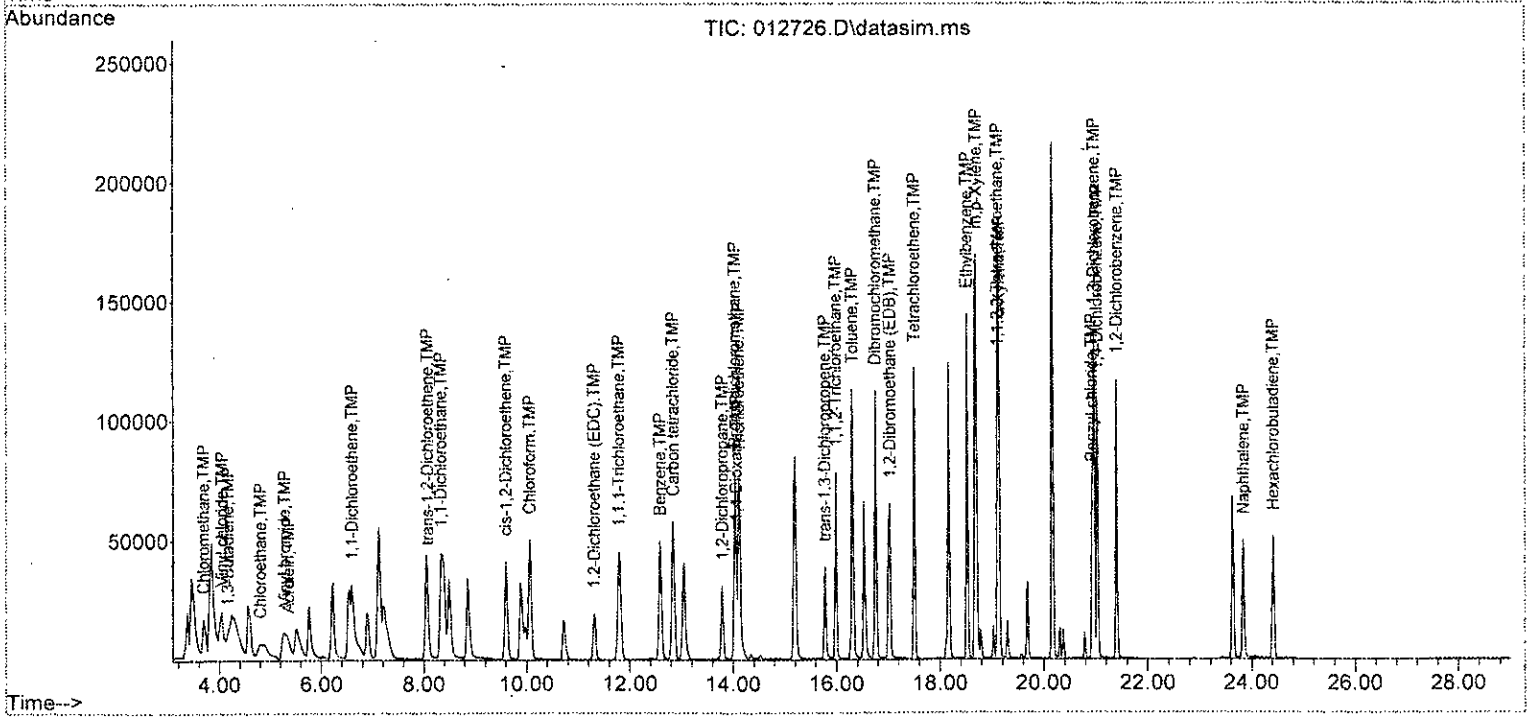
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	4.000	3.736	6.6	100	0.00
3	TMP	Dichlorodifluoromethane	4.000	3.881	3.0	100	0.00
4	TMP	Chloromethane	4.000	3.792	5.2	104	0.00
5	TMP	F-114	4.000	3.852	3.7	100	0.00
6	TMP	Vinyl chloride	4.000	3.966	0.8	100	0.00
7	TMP	1,3-Butadiene	4.000	3.949	1.3	100	0.00
8	TMP	Butane	4.000	4.146	-3.6	100	0.00
9	TMP	Bromomethane	4.000	3.802	4.9	100	0.00
10	TMP	Chloroethane	4.000	3.927	1.8	101	0.00
11	TMP	Vinyl bromide	4.000	4.036	-0.9	103	0.00
12	TMP	Ethanol	4.000	3.580	10.5	100	0.00
13	TMP	Acrolein	4.000	4.195	-4.9	102	-0.02
14	TMP	Pentane	4.000	3.917	2.1	100	0.00
15	TMP	Trichlorofluoromethane	4.000	3.970	0.7	100	0.00
16	TMP	Acetone	4.000	3.659	8.5	100	0.00
17	TMP	2-Propanol	4.000	3.854	3.6	100	0.00
18	TMP	1,1-Dichloroethene	4.000	3.899	2.5	100	0.00
19	TMP	trans-1,2-Dichloroethene	4.000	3.991	0.2	100	0.00
20	TMP	Methylene chloride	4.000	4.008	-0.2	100	0.00
21	TMP	t-Butyl alcohol (TBA)	4.000	3.891	2.7	100	0.00
22	TMP	3-Chloropropene	4.000	3.946	1.3	100	0.00
23	TMP	CFC-113	4.000	4.021	-0.5	100	0.00
24	TMP	Carbon disulfide	4.000	3.934	1.6	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	4.000	3.914	2.1	100	0.00
26	TMP	Vinyl acetate	4.000	4.084	-2.1	99	0.00
27	TMP	1,1-Dichloroethane	4.000	3.927	1.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	4.000	3.887	2.8	100	0.00
29	TMP	Hexane	4.000	3.909	2.3	100	0.00
30	TMP	Chloroform	4.000	3.884	2.9	100	0.00
31	TMP	Ethyl acetate	4.000	3.982	0.4	100	0.00
32	TMP	Tetrahydrofuran	4.000	4.159	-4.0	100	0.00
33	TMP	2-Butanone (MEK)	4.000	4.731	-18.3	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	4.000	3.986	0.3	103	0.00
35	TMP	1,1,1-Trichloroethane	4.000	3.922	1.9	101	-0.01
36	TMP	Carbon tetrachloride	4.000	3.950	1.2	102	0.00
37	TMP	Benzene	4.000	3.760	6.0	100	0.00
38	TMP	Cyclohexane	4.000	3.959	1.0	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	4.000	3.918	2.0	100	0.00
41	TMP	1,4-Dioxane	4.000	3.990	0.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	4.000	4.026	-0.6	100	0.00
43	TMP	Methyl methacrylate	4.000	4.102	-2.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	4.000	4.097	-2.4	100	0.00
45	TMP	Bromodichloromethane	4.000	3.965	0.9	100	0.00
46	TMP	Trichloroethene	4.000	3.848	3.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	4.000	4.032	-0.8	100	0.00
48	TMP	4-Methyl-2-pentanone	4.000	3.814	4.6	100	0.00
49	TMP	trans-1,3-Dichloropropene	4.000	3.875	3.1	100	0.00
50	TMP	Toluene	4.000	3.857	3.6	100	0.00
51	TMP	1,1,2-Trichloroethane	4.000	3.947	1.3	100	0.00
52	TMP	2-Hexanone	4.000	4.179	-4.5	100	0.00
53	TMP	Tetrachloroethene	4.000	3.900	2.5	100	0.00
54	TMP	Dibromochloromethane	4.000	4.008	-0.2	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	4.000	3.817	4.6	100	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	4.000	3.834	4.1	100	0.00
58	TMP	Ethylbenzene	4.000	3.774	5.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	4.000	3.733	6.7	100	0.00
60	TMP	Nonane	4.000	4.185	-4.6	100	0.00
61	TMP	Isopropylbenzene	4.000	3.986	0.3	100	0.00
62	TMP	2-Chlorotoluene	4.000	4.042	-1.0	100	0.00
63	TMP	Propylbenzene	4.000	4.252	-6.3	100	0.00
64	TMP	4-Ethyltoluene	4.000	4.161	-4.0	100	0.00
65	TMP	m,p-Xylene	8.000	8.179	-2.2	100	0.00
66	TMP	o-Xylene	4.000	4.081	-2.0	100	0.00
67	TMP	Styrene	4.000	4.021	-0.5	100	0.00
68	TMP	Bromoform	4.000	3.890	2.7	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.469	-4.7	100	0.00
70	TMP	Benzyl chloride	4.000	4.256	-6.4	100	0.00
71	TMP	1,3,5-Trimethylbenzene	4.000	4.231	-5.8	100	0.00
72	TMP	1,2,4-Trimethylbenzene	4.000	4.272	-6.8	100	0.00
73	TMP	1,3-Dichlorobenzene	4.000	4.150	-3.8	100	0.00
74	TMP	1,4-Dichlorobenzene	4.000	4.160	-4.0	100	0.00
75	TMP	1,2-Dichlorobenzene	4.000	4.173	-4.3	100	0.00
76	TMP	1,2,4-Trichlorobenzene	4.000	3.834	4.1	100	0.00
77	TMP	Naphthalene	4.000	3.960	1.0	100	0.00
78	TMP	Hexachlorobutadiene	4.000	3.824	4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.165	9.4	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.960	3.0	100	0.00
4	TMP	Chloromethane	1.676	1.589	5.2	104	0.00
5	TMP	F-114	4.169	4.015	3.7	100	0.00
6	TMP	Vinyl chloride	1.712	1.698	0.8	100	0.00
7	TMP	1,3-Butadiene	1.078	1.064	1.3	100	0.00
8	TMP	Butane	2.051	2.126	-3.7	100	0.00
9	TMP	Bromomethane	1.696	1.612	5.0	100	0.00
10	TMP	Chloroethane	0.634	0.623	1.7	101	0.00
11	TMP	Vinyl bromide	1.588	1.602	-0.9	103	0.00
12	TMP	Ethanol	0.538	0.453	15.8	100	0.00
13	TMP	Acrolein	0.525	0.550	-4.8	102	-0.02
14	TMP	Pentane	2.340	2.291	2.1	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.434	0.8	100	0.00
16	TMP	Acetone	0.731	0.669	8.5	100	0.00
17	TMP	2-Propanol	2.824	2.721	3.6	100	0.00
18	TMP	1,1-Dichloroethene	1.523	1.485	2.5	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.496	0.2	100	0.00
20	TMP	Methylene chloride	1.441	1.444	-0.2	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.299	2.7	100	0.00
22	TMP	3-Chloropropene	1.917	1.891	1.4	100	0.00
23	TMP	CFC-113	3.382	3.399	-0.5	100	0.00
24	TMP	Carbon disulfide	4.899	4.818	1.7	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.106	2.1	100	0.00
26	TMP	Vinyl acetate	3.532	3.606	-2.1	99	0.00
27	TMP	1,1-Dichloroethane	3.205	3.147	1.8	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.581	2.8	100	0.00
29	TMP	Hexane	2.044	1.998	2.3	100	0.00
30	TMP	Chloroform	3.767	3.658	2.9	100	0.00
31	TMP	Ethyl acetate	3.512	3.496	0.5	100	0.00
32	TMP	Tetrahydrofuran	1.858	1.932	-4.0	100	0.00
33	TMP	2-Butanone (MEK)	0.538	0.636	-18.2	100	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.356	0.4	103	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.091	1.9	101	-0.01
36	TMP	Carbon tetrachloride	3.318	3.276	1.3	102	0.00
37	TMP	Benzene	5.322	5.003	6.0	100	0.00
38	TMP	Cyclohexane	1.294	1.281	1.0	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.543	2.2	100	0.00
41	TMP	1,4-Dioxane	0.232	0.232	0.0	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.633	-0.6	100	0.00
43	TMP	Methyl methacrylate	0.452	0.464	-2.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012726.D
Acq On : 28 Jan 2023 9:57 am
Operator : bat
Sample : 4.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:04:41 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

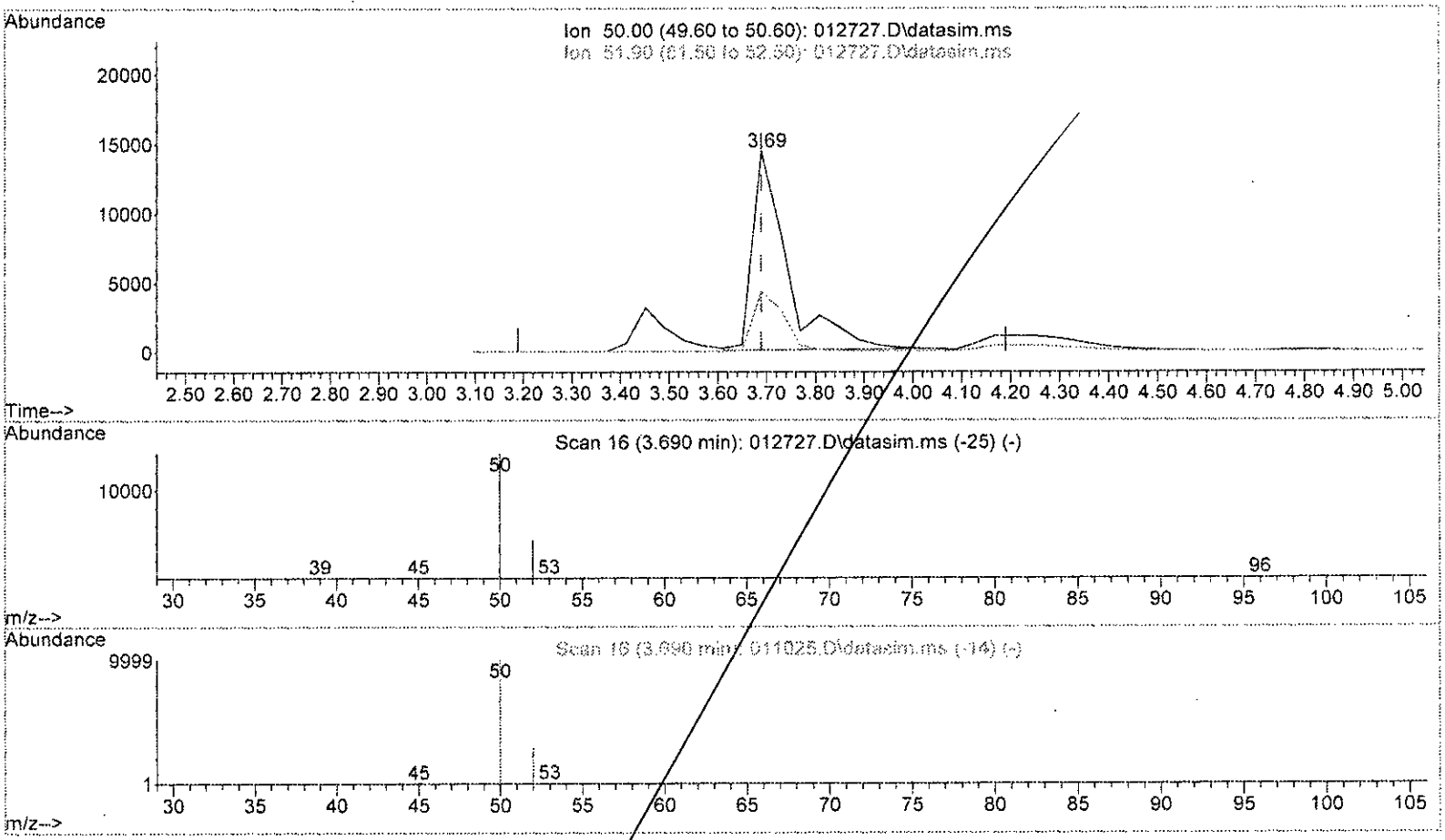
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.677	-2.4	100	0.00
45	TMP	Bromodichloromethane	0.905	0.897	0.9	100	0.00
46	TMP	Trichloroethene	0.579	0.557	3.8	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.634	-0.8	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.573	3.2	100	0.00
50	TMP	Toluene	0.734	0.708	3.5	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.536	1.3	100	0.00
52	TMP	2-Hexanone	0.755	0.789	-4.5	100	0.00
53	TMP	Tetrachloroethene	0.473	0.461	2.5	100	0.00
54	TMP	Dibromochloromethane	0.912	0.914	-0.2	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.785	4.6	100	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.103	4.2	100	0.00
58	TMP	Ethylbenzene	1.957	1.847	5.6	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.442	6.7	100	0.00
60	TMP	Nonane	1.017	1.064	-4.6	100	0.00
61	TMP	Isopropylbenzene	1.868	1.861	0.4	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.469	-1.1	100	0.00
63	TMP	Propylbenzene	3.426	3.642	-6.3	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.692	-4.0	100	0.00
65	TMP	m,p-Xylene	0.641	0.655	-2.2	100	0.00
66	TMP	o-Xylene	0.636	0.649	-2.0	100	0.00
67	TMP	Styrene	0.840	0.845	-0.6	100	0.00
68	TMP	Bromoform	1.062	1.033	2.7	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.696	-4.7	100	0.00
70	TMP	Benzyl chloride	1.083	1.152	-6.4	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.627	-5.7	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.423	-6.8	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.056	-3.7	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.968	-4.0	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.086	-4.4	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.622	-4.5	100	0.00
77	TMP	Naphthalene	0.967	0.911	5.8	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.980	4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 5.816 ppbv

response 70884

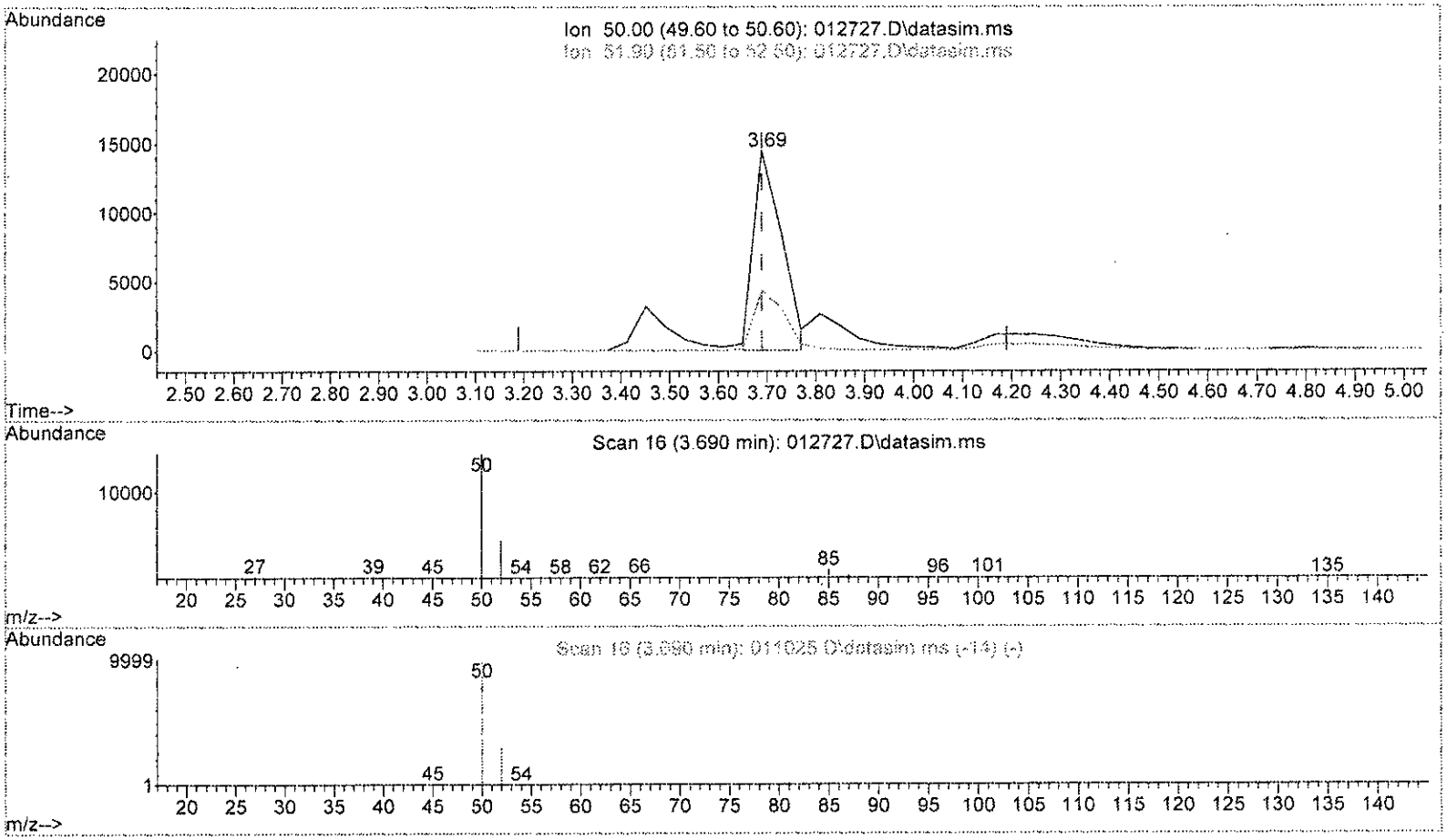
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.06
0.00	0.00	0.00
0.00	0.00	0.00

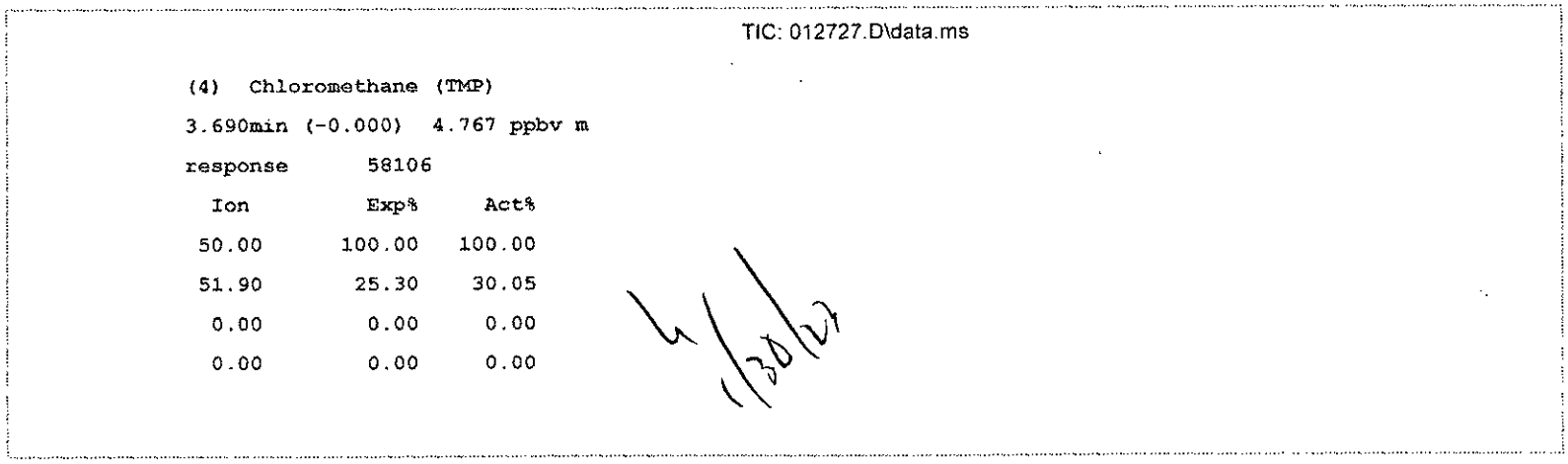
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.690min (-0.000) 4.767 ppbv m

response 58106

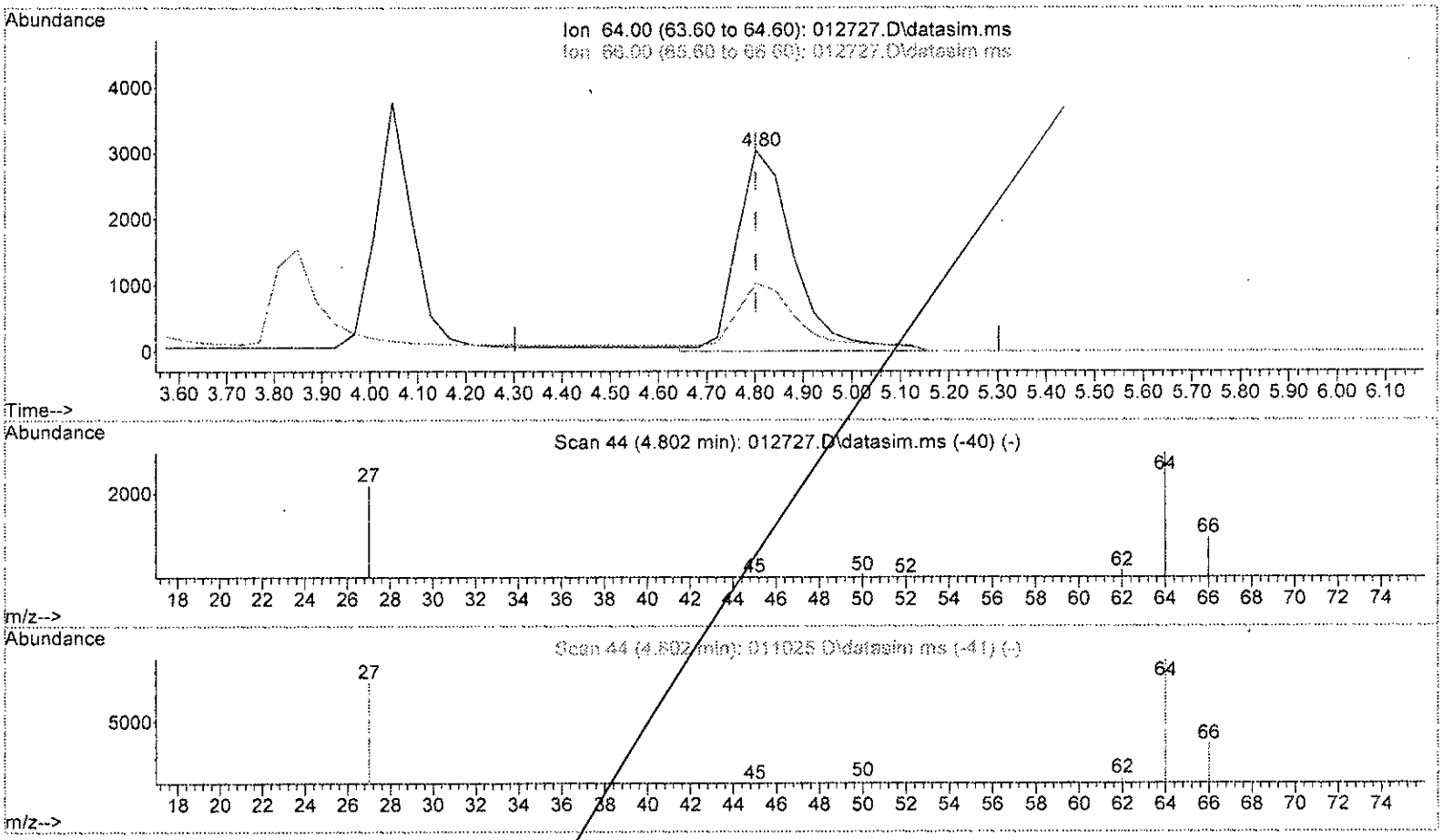
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.05
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 5.143 ppbv

response 23722

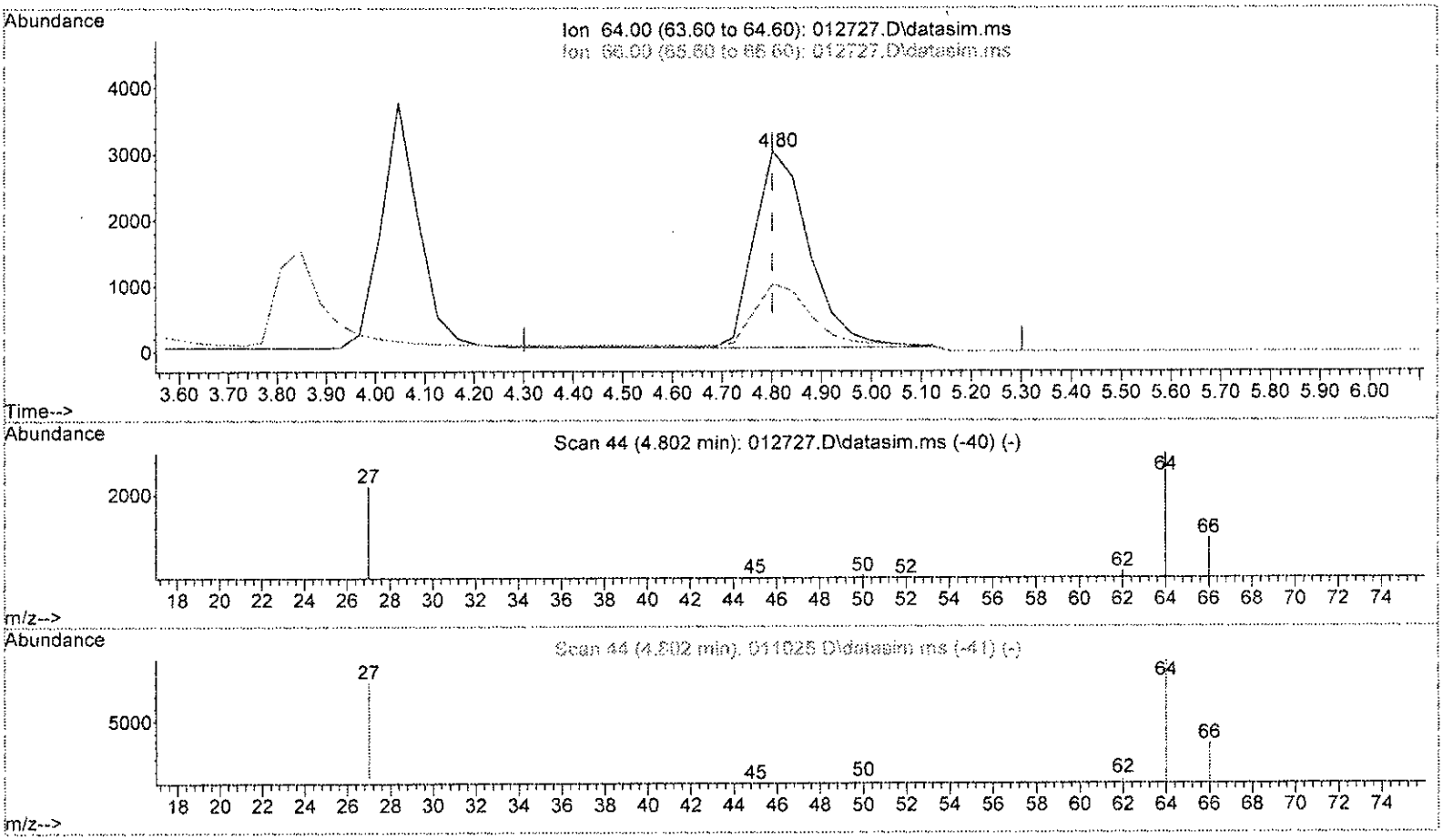
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.88
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 4.977 ppbv m

response 22956

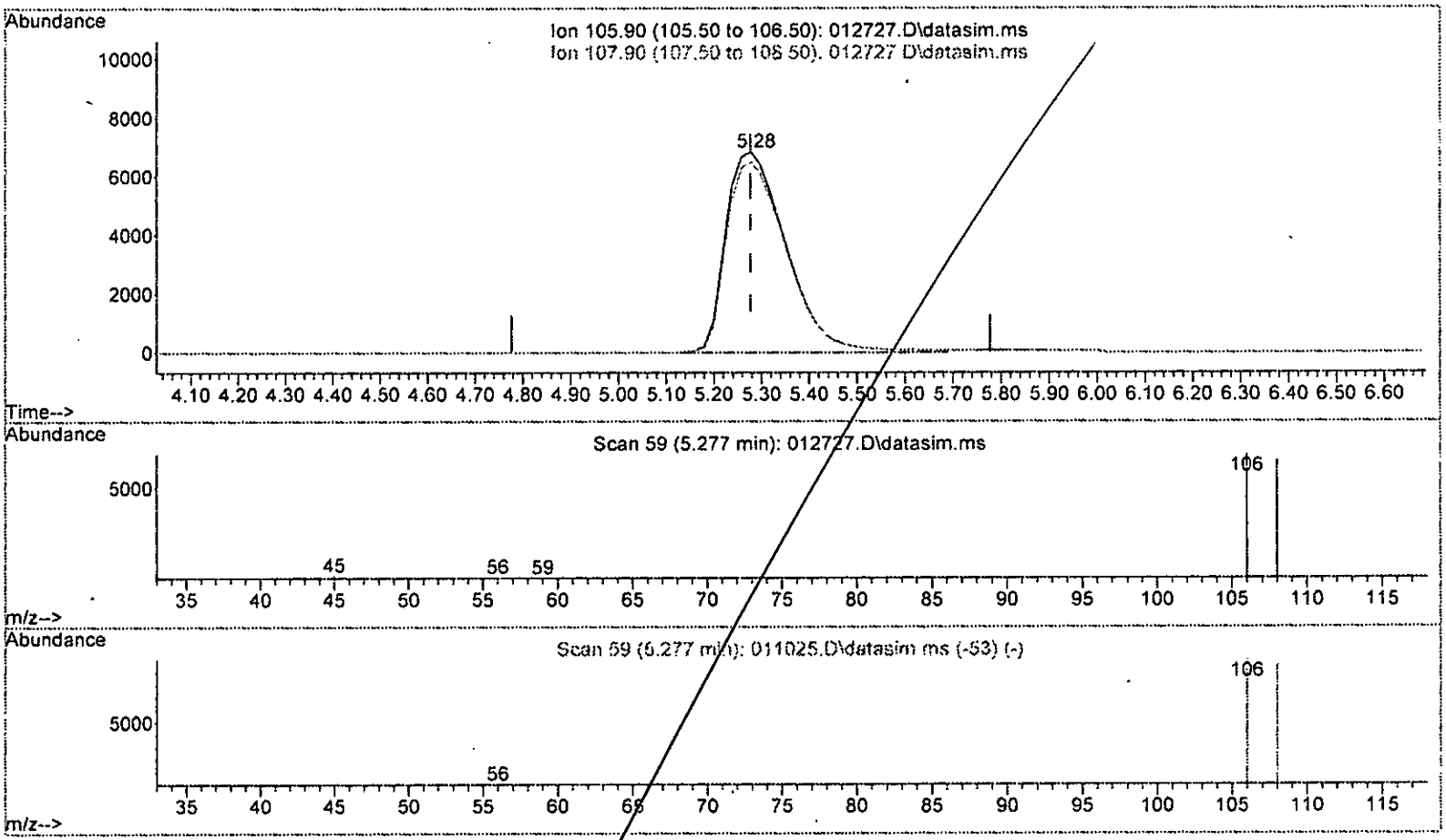
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	33.88
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(11) Vinyl bromide (TMP)
5.277min (+ 0.000) 5.574 ppbv
response 64370

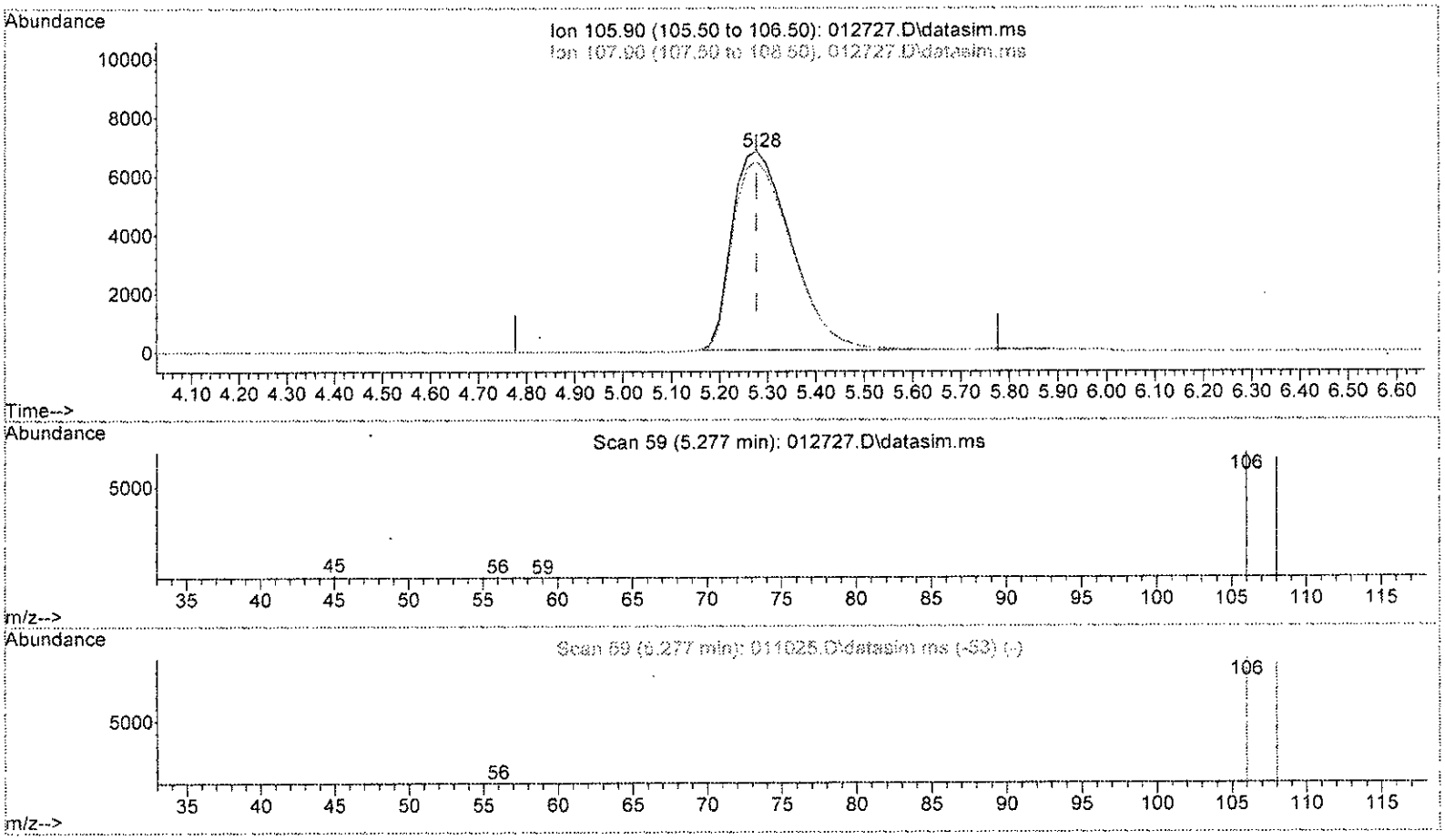
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.90
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(11) Vinyl bromide (TMP)

5.277min (+ 0.000) 5.050 ppbv m

response 58317

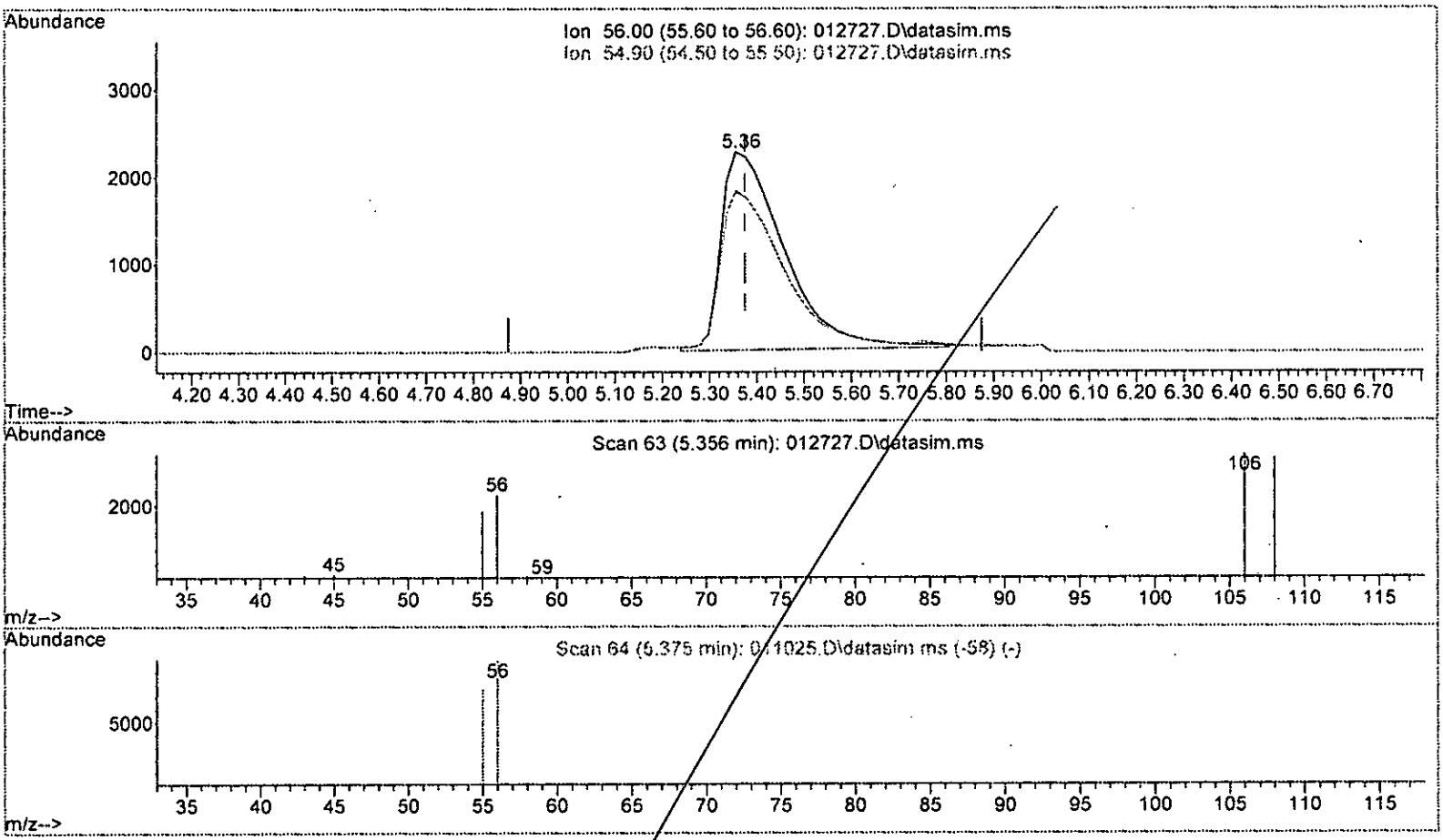
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	104.75
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 5.472 ppbv

response 20879

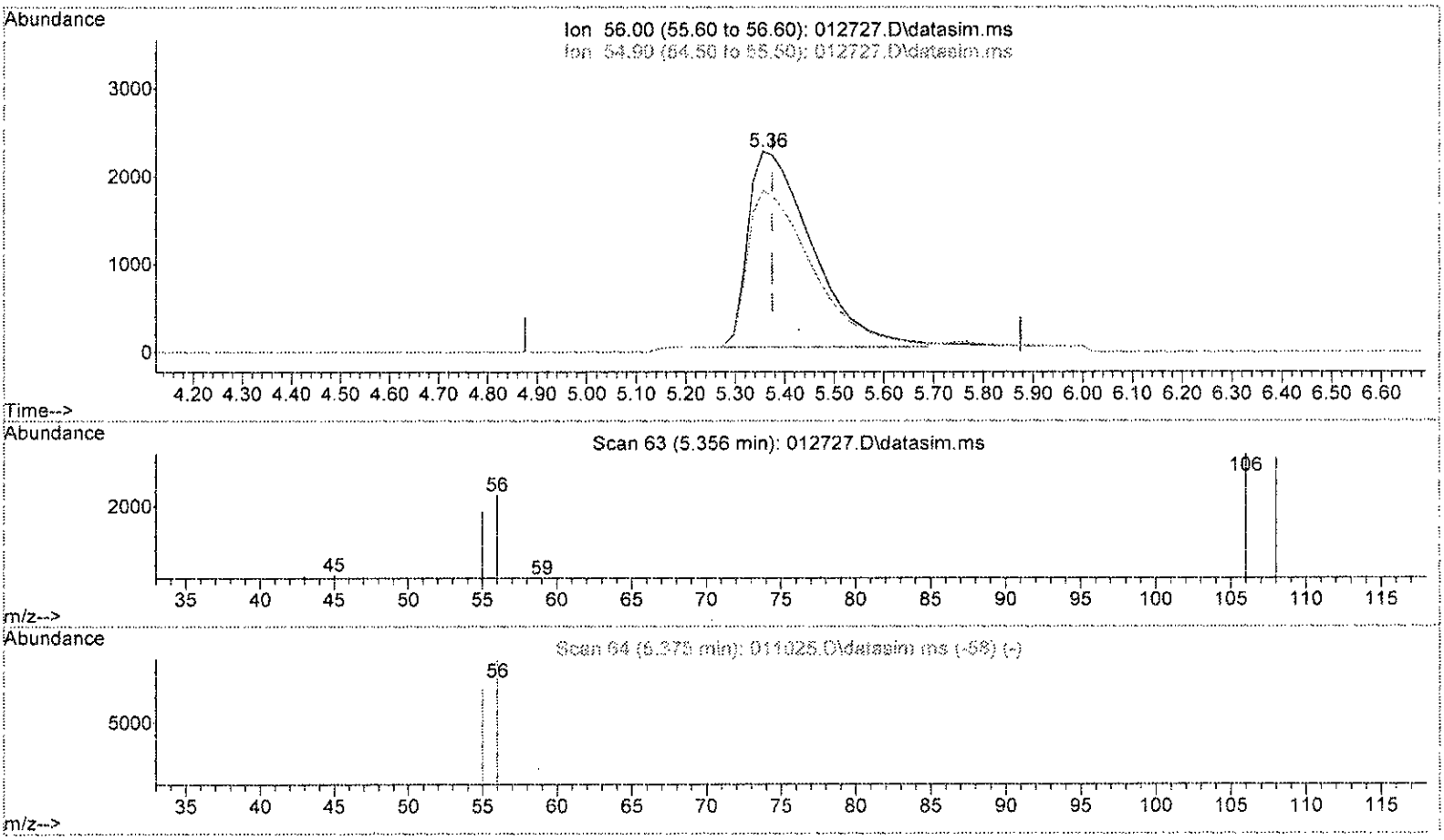
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	79.80
0.00	0.00	0.00
0.00	0.00	0.00

4/1/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 5.229 ppbv m

response 19950

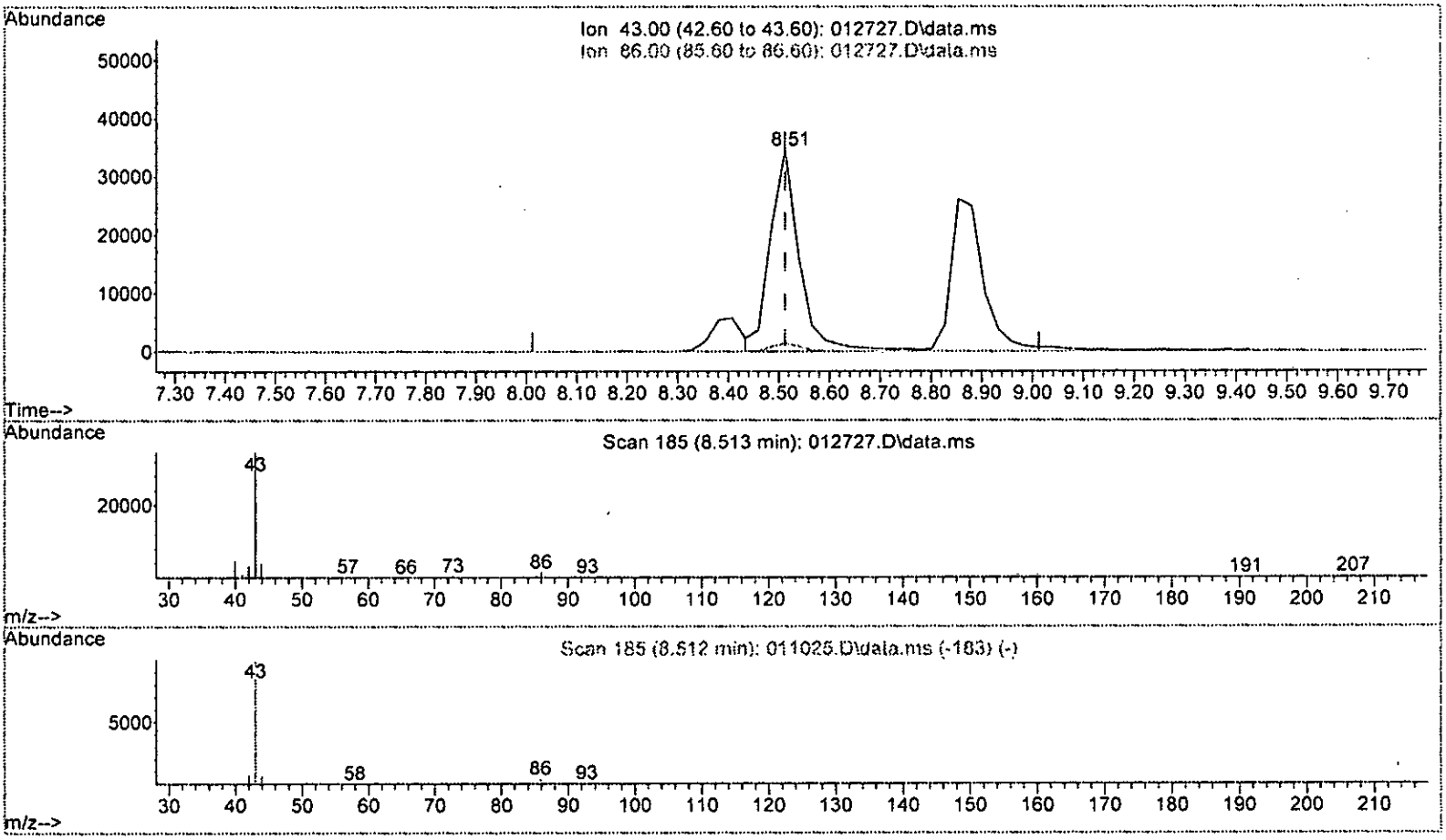
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	83.51
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012727.D\data.ms

(26) Vinyl acetate (TMP)

8.513min (-0.000) 5.261 ppbv m

response 135154

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	72740	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	326783	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	279502	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	200477	10.794	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.90%				
Target Compounds							Qvalue
2) Propene	3.41	41	44349	4.944	ppbv		96
3) Dichlorodifluoromethane	3.49	85	149839	5.047	ppbv		98
4] Chloromethane	3.69	50	58106m	4.767	ppbv		
5) F-114	3.84	85	145771	4.807	ppbv		98
6] Vinyl chloride	4.05	62	62724	5.037	ppbv		100
7] 1,3-Butadiene	4.17	54	39575	5.046	ppbv	#	85
8) Butane	4.32	43	76274	5.113	ppbv		100
9) Bromomethane	4.60	94	62570	5.071	ppbv		99
10] Chloroethane	4.80	64	22956m	4.977	ppbv		
11] Vinyl bromide	5.28	106	58317m	5.050	ppbv		
12) Ethanol	4.92	45	19249	5.330	ppbv		92
13] Acrolein	5.36	56	19950m	5.229	ppbv		
14) Pentane	6.23	43	88396	5.193	ppbv		100
15) Trichlorofluoromethane	5.80	101	162887	5.012	ppbv		98
16) Acetone	5.51	58	24530	4.613	ppbv	#	85
17) 2-Propanol	5.76	45	103786	5.053	ppbv		100
18] 1,1-Dichloroethene	6.60	96	54406	4.910	ppbv		95
19] trans-1,2-Dichloroethene	8.07	96	55018	5.046	ppbv	#	70
20) Methylene chloride	6.78	84	51403	4.902	ppbv		97
21) t-Butyl alcohol (TBA)	6.54	59	86533	5.033	ppbv	#	72
22) 3-Chloropropene	6.91	41	71635	5.137	ppbv		98
23) CFC-113	7.12	101	119990	4.878	ppbv		97
24) Carbon disulfide	7.22	76	178329	5.004	ppbv		97
25) Methyl t-butyl ether (...	8.41	73	114753	4.971	ppbv		98
26) Vinyl acetate	8.51	43	135154m	5.261	ppbv		
27] 1,1-Dichloroethane	8.33	63	115535	4.955	ppbv		98
28] cis-1,2-Dichloroethene	9.60	96	58217	4.920	ppbv		90
29) Hexane	9.99	57	75308	5.064	ppbv		93
30] Chloroform	10.07	83	133842	4.884	ppbv		98
31) Ethyl acetate	9.90	43	130199	5.096	ppbv		99
32) Tetrahydrofuran	10.72	42	69955	5.175	ppbv		98
33) 2-Butanone (MEK)	8.85	72	21617	5.525	ppbv		93
34] 1,2-Dichloroethane (EDC)	11.31	62	86325	5.019	ppbv		100
35] 1,1,1-Trichloroethane	11.79	97	112753	4.918	ppbv		97
36] Carbon tetrachloride	12.84	117	120275	4.984	ppbv		99
37] Benzene	12.59	78	183903	4.750	ppbv		95
38) Cyclohexane	13.05	84	46990	4.992	ppbv		95
40] 1,2-Dichloropropane	13.79	63	86643	4.779	ppbv		100

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

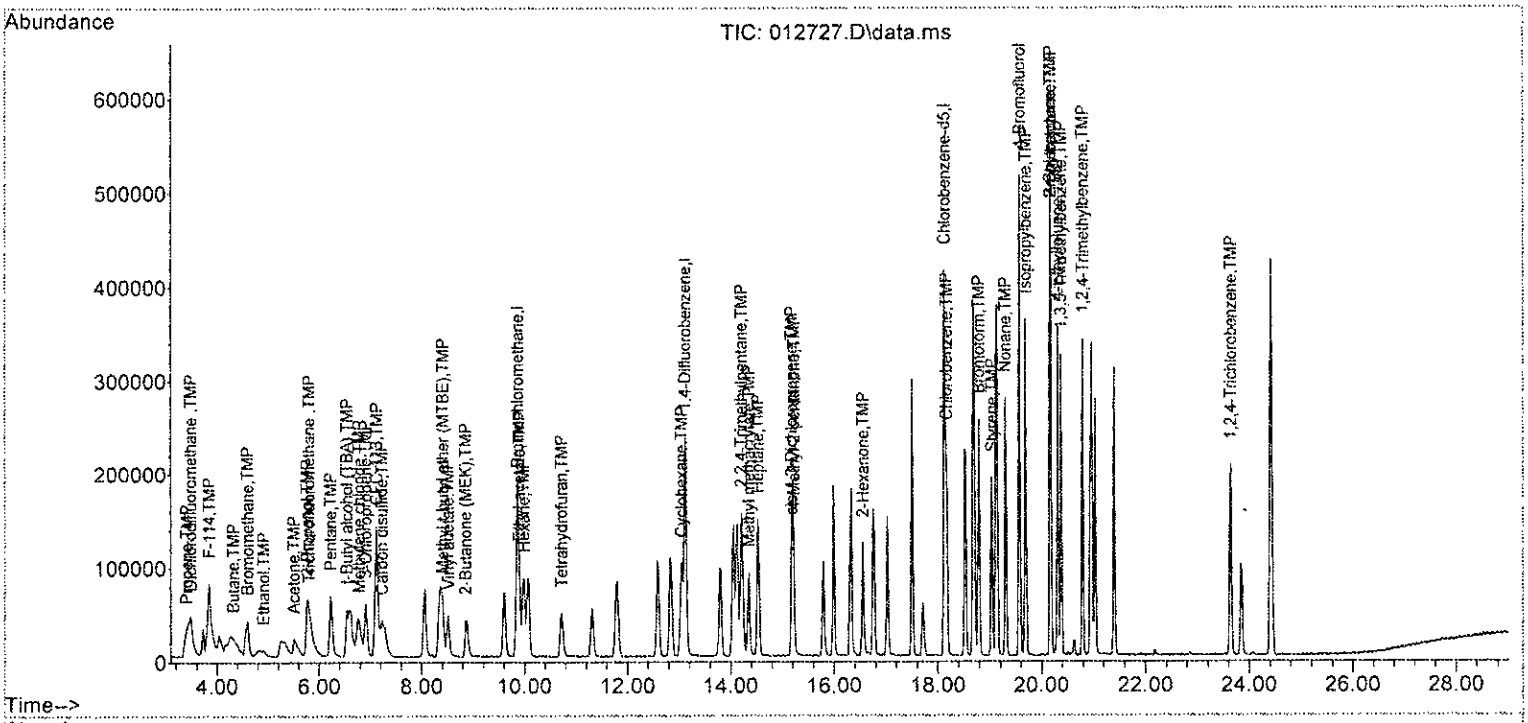
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	37024	4.879	ppbv		95
42) 2,2,4-Trimethylpentane	14.20	57	260221	4.908	ppbv		99
43) Methyl methacrylate	14.35	41	75510	5.108	ppbv		95
44) Heptane	14.52	43	107798	4.990	ppbv		98
45] Bromodichloromethane	14.04	83	142307	4.815	ppbv		96
46] Trichloroethene	14.11	95	88825	4.693	ppbv		84
47) cis-1,3-Dichloropropene	15.18	75	99928	4.864	ppbv		100
48) 4-Methyl-2-pentanone	15.22	100	7221	5.197	ppbv	#	98
49] trans-1,3-Dichloropropene	15.78	75	92193	4.769	ppbv		89
50] Toluene	16.31	92	115004	4.792	ppbv		90
51] 1,1,2-Trichloroethane	15.99	83	85278	4.802	ppbv		85
52) 2-Hexanone	16.55	43	125621	5.089	ppbv		96
53] Tetrachloroethene	17.51	164	72809	4.710	ppbv		95
54] Dibromochloromethane	16.75	129	143669	4.819	ppbv		97
55] 1,2-Dibromoethane (EDB)	17.01	107	126110	4.689	ppbv		80
57) Chlorobenzene	18.16	112	153870	4.783	ppbv		98
58] Ethylbenzene	18.52	91	260500	4.762	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.11	83	200195	4.636	ppbv		92
60) Nonane	19.30	43	151931	5.347	ppbv		99
61) Isopropylbenzene	19.69	105	261323	5.006	ppbv		99
62) 2-Chlorotoluene	20.17	126	67017	5.170	ppbv		88
63) Propylbenzene	20.17	91	514407	5.373	ppbv		98
64) 4-Ethyltoluene	20.31	105	241636	5.314	ppbv		100
65] m,p-Xylene	18.70	106	185369	10.352	ppbv		94
66] o-Xylene	19.15	106	90812	5.111	ppbv		93
67) Styrene	19.04	104	121817	5.187	ppbv		98
68) Bromoform	18.79	173	149537	5.038	ppbv		98
70] Benzyl chloride	20.93	91	165970	5.484	ppbv		89
71) 1,3,5-Trimethylbenzene	20.37	105	228275	5.308	ppbv		100
72) 1,2,4-Trimethylbenzene	20.79	105	204778	5.497	ppbv		97
73] 1,3-Dichlorobenzene	20.97	146	150100	5.277	ppbv		95
74] 1,4-Dichlorobenzene	21.03	146	138221	5.311	ppbv		86
75] 1,2-Dichlorobenzene	21.41	146	153420	5.276	ppbv		90
76) 1,2,4-Trichlorobenzene	23.64	180	97383	5.101	ppbv		96
77] Naphthalene	23.84	128	146599	5.176	ppbv		99
78] Hexachlorobutadiene	24.42	225	139234	4.858	ppbv		99

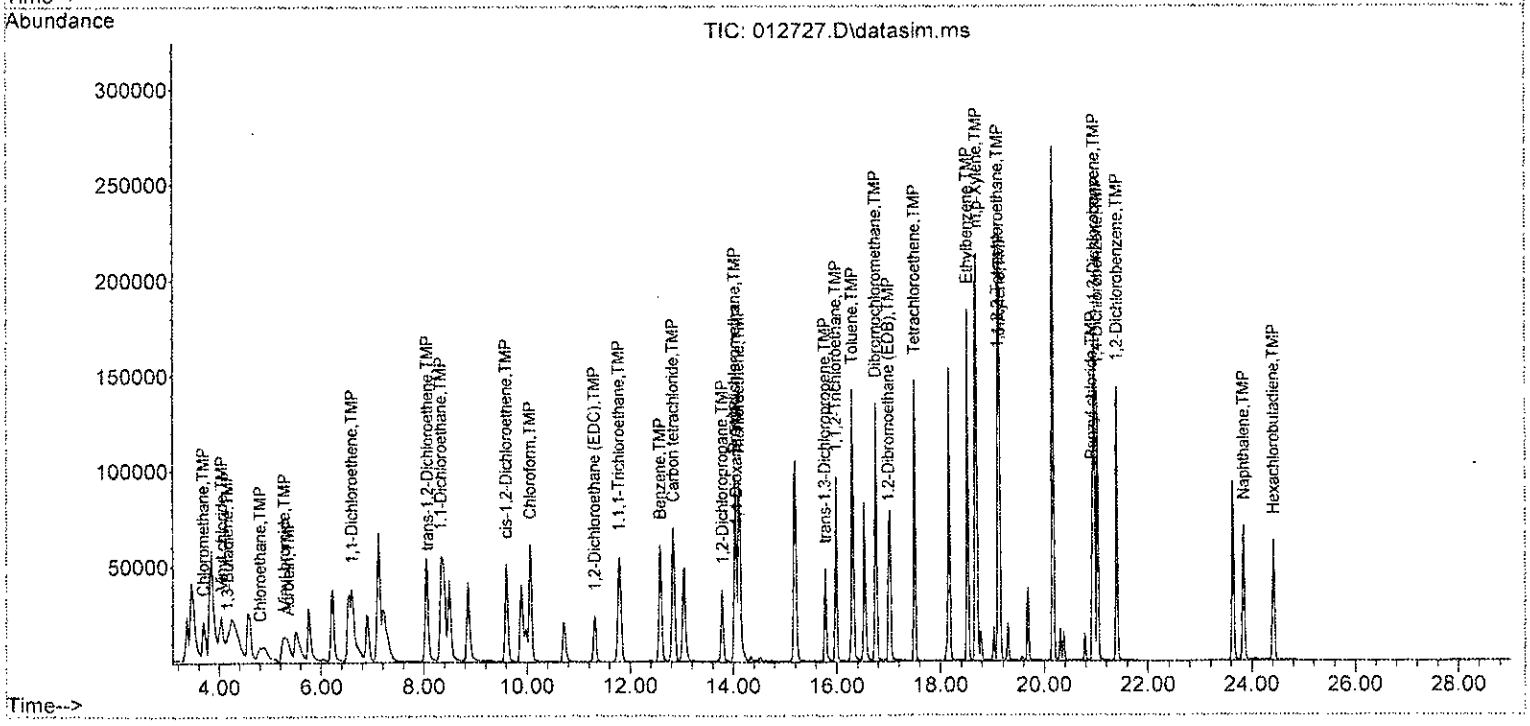
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	5.000	4.944	1.1	100	0.00
3	TMP	Dichlorodifluoromethane	5.000	5.047	-0.9	100	0.00
4	TMP	Chloromethane	5.000	4.767	4.7	98	0.00
5	TMP	F-114	5.000	4.807	3.9	100	0.00
6	TMP	Vinyl chloride	5.000	5.037	-0.7	100	0.00
7	TMP	1,3-Butadiene	5.000	5.046	-0.9	100	0.00
8	TMP	Butane	5.000	5.113	-2.3	100	0.04
9	TMP	Bromomethane	5.000	5.071	-1.4	100	0.00
10	TMP	Chloroethane	5.000	4.977	0.5	100	0.00
11	TMP	Vinyl bromide	5.000	5.050	-1.0	99	0.00
12	TMP	Ethanol	5.000	5.330	-6.6	100	0.00
13	TMP	Acrolein	5.000	5.229	-4.6	99	-0.02
14	TMP	Pentane	5.000	5.193	-3.9	100	0.00
15	TMP	Trichlorofluoromethane	5.000	5.012	-0.2	100	0.00
16	TMP	Acetone	5.000	4.613	7.7	100	-0.02
17	TMP	2-Propanol	5.000	5.053	-1.1	99	0.00
18	TMP	1,1-Dichloroethene	5.000	4.910	1.8	100	0.00
19	TMP	trans-1,2-Dichloroethene	5.000	5.046	-0.9	100	0.00
20	TMP	Methylene chloride	5.000	4.902	2.0	100	0.00
21	TMP	t-Butyl alcohol (TBA)	5.000	5.033	-0.7	100	0.00
22	TMP	3-Chloropropene	5.000	5.137	-2.7	100	0.00
23	TMP	CFC-113	5.000	4.878	2.4	100	0.00
24	TMP	Carbon disulfide	5.000	5.004	-0.1	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	5.000	4.971	0.6	100	0.00
26	TMP	Vinyl acetate	5.000	5.261	-5.2	101	0.00
27	TMP	1,1-Dichloroethane	5.000	4.955	0.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	5.000	4.920	1.6	100	0.00
29	TMP	Hexane	5.000	5.064	-1.3	100	0.00
30	TMP	Chloroform	5.000	4.884	2.3	100	0.00
31	TMP	Ethyl acetate	5.000	5.096	-1.9	100	0.00
32	TMP	Tetrahydrofuran	5.000	5.175	-3.5	100	0.00
33	TMP	2-Butanone (MEK)	5.000	5.525	-10.5	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	5.000	5.019	-0.4	100	0.00
35	TMP	1,1,1-Trichloroethane	5.000	4.918	1.6	100	-0.01
36	TMP	Carbon tetrachloride	5.000	4.984	0.3	100	0.00
37	TMP	Benzene	5.000	4.750	5.0	100	0.00
38	TMP	Cyclohexane	5.000	4.992	0.2	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	5.000	4.779	4.4	100	0.00
41	TMP	1,4-Dioxane	5.000	4.879	2.4	100	0.00
42	TMP	2,2,4-Trimethylpentane	5.000	4.908	1.8	100	0.00
43	TMP	Methyl methacrylate	5.000	5.108	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	5.000	4.990	0.2	100	0.00
45	TMP	Bromodichloromethane	5.000	4.815	3.7	100	0.00
46	TMP	Trichloroethene	5.000	4.693	6.1	100	0.00
47	TMP	cis-1,3-Dichloropropene	5.000	4.864	2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	5.000	5.197	-3.9	100	0.00
49	TMP	trans-1,3-Dichloropropene	5.000	4.769	4.6	100	0.00
50	TMP	Toluene	5.000	4.792	4.2	100	0.00
51	TMP	1,1,2-Trichloroethane	5.000	4.802	4.0	100	0.00
52	TMP	2-Hexanone	5.000	5.089	-1.8	100	0.00
53	TMP	Tetrachloroethene	5.000	4.710	5.8	100	0.00
54	TMP	Dibromochloromethane	5.000	4.819	3.6	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	5.000	4.689	6.2	100	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	5.000	4.783	4.3	100	0.00
58	TMP	Ethylbenzene	5.000	4.762	4.8	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	5.000	4.636	7.3	100	0.00
60	TMP	Nonane	5.000	5.347	-6.9	100	0.00
61	TMP	Isopropylbenzene	5.000	5.006	-0.1	100	0.00
62	TMP	2-Chlorotoluene	5.000	5.170	-3.4	100	0.00
63	TMP	Propylbenzene	5.000	5.373	-7.5	100	0.00
64	TMP	4-Ethyltoluene	5.000	5.314	-6.3	100	0.00
65	TMP	m,p-Xylene	10.000	10.352	-3.5	100	0.00
66	TMP	o-Xylene	5.000	5.111	-2.2	100	0.00
67	TMP	Styrene	5.000	5.187	-3.7	100	0.00
68	TMP	Bromoform	5.000	5.038	-0.8	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.794	-7.9	100	0.00
70	TMP	Benzyl chloride	5.000	5.484	-9.7	100	0.00
71	TMP	1,3,5-Trimethylbenzene	5.000	5.308	-6.2	100	-0.01
72	TMP	1,2,4-Trimethylbenzene	5.000	5.497	-9.9	100	0.00
73	TMP	1,3-Dichlorobenzene	5.000	5.277	-5.5	100	0.00
74	TMP	1,4-Dichlorobenzene	5.000	5.311	-6.2	100	0.00
75	TMP	1,2-Dichlorobenzene	5.000	5.276	-5.5	100	0.00
76	TMP	1,2,4-Trichlorobenzene	5.000	5.101	-2.0	100	0.00
77	TMP	Naphthalene	5.000	5.176	-3.5	100	0.00
78	TMP	Hexachlorobutadiene	5.000	4.858	2.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.219	5.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	4.120	-1.0	100	0.00
4	TMP	Chloromethane	1.676	1.598	4.7	98	0.00
5	TMP	F-114	4.169	4.008	3.9	100	0.00
6	TMP	Vinyl chloride	1.712	1.725	-0.8	100	0.00
7	TMP	1,3-Butadiene	1.078	1.088	-0.9	100	0.00
8	TMP	Butane	2.051	2.097	-2.2	100	0.04
9	TMP	Bromomethane	1.696	1.720	-1.4	100	0.00
10	TMP	Chloroethane	0.634	0.631	0.5	100	0.00
11	TMP	Vinyl bromide	1.588	1.603	-0.9	99	0.00
12	TMP	Ethanol	0.538	0.529	1.7	100	0.00
13	TMP	Acrolein	0.525	0.549	-4.6	99	-0.02
14	TMP	Pentane	2.340	2.430	-3.8	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.479	-0.2	100	0.00
16	TMP	Acetone	0.731	0.674	7.8	100	-0.02
17	TMP	2-Propanol	2.824	2.854	-1.1	99	0.00
18	TMP	1,1-Dichloroethene	1.523	1.496	1.8	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.513	-0.9	100	0.00
20	TMP	Methylene chloride	1.441	1.413	1.9	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.379	-0.6	100	0.00
22	TMP	3-Chloropropene	1.917	1.970	-2.8	100	0.00
23	TMP	CFC-113	3.382	3.299	2.5	100	0.00
24	TMP	Carbon disulfide	4.899	4.903	-0.1	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.155	0.6	100	0.00
26	TMP	Vinyl acetate	3.532	3.716	-5.2	101	0.00
27	TMP	1,1-Dichloroethane	3.205	3.177	0.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.601	1.6	100	0.00
29	TMP	Hexane	2.044	2.071	-1.3	100	0.00
30	TMP	Chloroform	3.767	3.680	2.3	100	0.00
31	TMP	Ethyl acetate	3.512	3.580	-1.9	100	0.00
32	TMP	Tetrahydrofuran	1.858	1.923	-3.5	100	0.00
33	TMP	2-Butanone (MEK)	0.538	0.594	-10.4	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.374	-0.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.100	1.6	100	-0.01
36	TMP	Carbon tetrachloride	3.318	3.307	0.3	100	0.00
37	TMP	Benzene	5.322	5.056	5.0	100	0.00
38	TMP	Cyclohexane	1.294	1.292	0.2	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.530	4.5	100	0.00
41	TMP	1,4-Dioxane	0.232	0.227	2.2	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.593	1.8	100	0.00
43	TMP	Methyl methacrylate	0.452	0.462	-2.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012727.D
Acq On : 28 Jan 2023 10:31 am
Operator : bat
Sample : 5.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 27 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:08:20 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

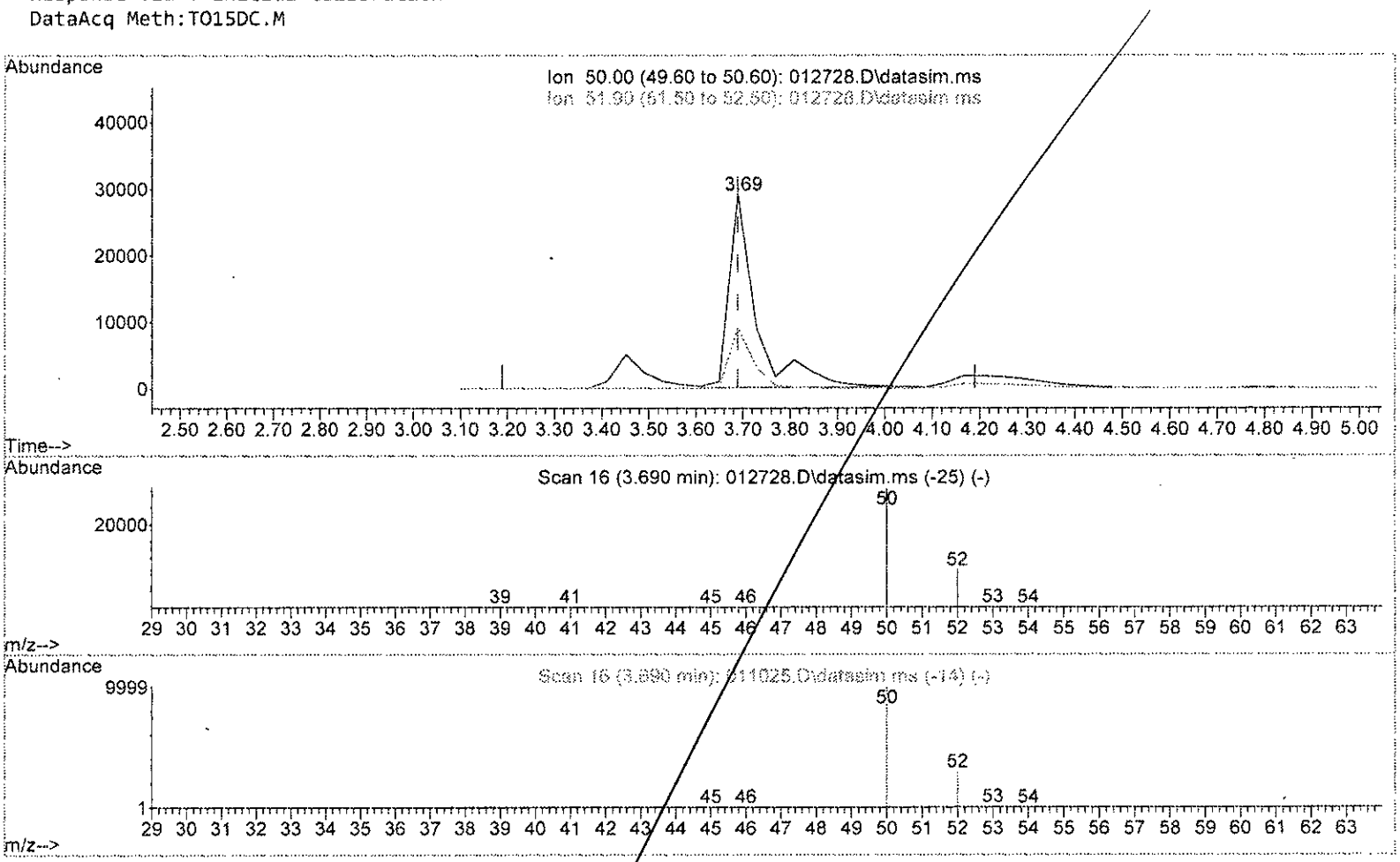
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.660	0.2	100	0.00
45	TMP	Bromodichloromethane	0.905	0.871	3.8	100	0.00
46	TMP	Trichloroethene	0.579	0.544	6.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.612	2.7	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.044	-2.3	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.564	4.7	100	0.00
50	TMP	Toluene	0.734	0.704	4.1	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.522	3.9	100	0.00
52	TMP	2-Hexanone	0.755	0.769	-1.9	100	0.00
53	TMP	Tetrachloroethene	0.473	0.446	5.7	100	0.00
54	TMP	Dibromochloromethane	0.912	0.879	3.6	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.772	6.2	100	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.101	4.3	100	0.00
58	TMP	Ethylbenzene	1.957	1.864	4.8	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.433	7.2	100	0.00
60	TMP	Nonane	1.017	1.087	-6.9	100	0.00
61	TMP	Isopropylbenzene	1.868	1.870	-0.1	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.480	-3.4	100	0.00
63	TMP	Propylbenzene	3.426	3.681	-7.4	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.729	-6.3	100	0.00
65	TMP	m,p-Xylene	0.641	0.663	-3.4	100	0.00
66	TMP	o-Xylene	0.636	0.650	-2.2	100	0.00
67	TMP	Styrene	0.840	0.872	-3.8	100	0.00
68	TMP	Bromoform	1.062	1.070	-0.8	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.717	-7.8	100	0.00
70	TMP	Benzyl chloride	1.083	1.188	-9.7	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.633	-6.1	100	-0.01
72	TMP	1,2,4-Trimethylbenzene	1.333	1.465	-9.9	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.074	-5.5	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.989	-6.2	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.098	-5.6	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.697	-17.1	100	0.00
77	TMP	Naphthalene	0.967	1.049	-8.5	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.996	2.8	100	0.00

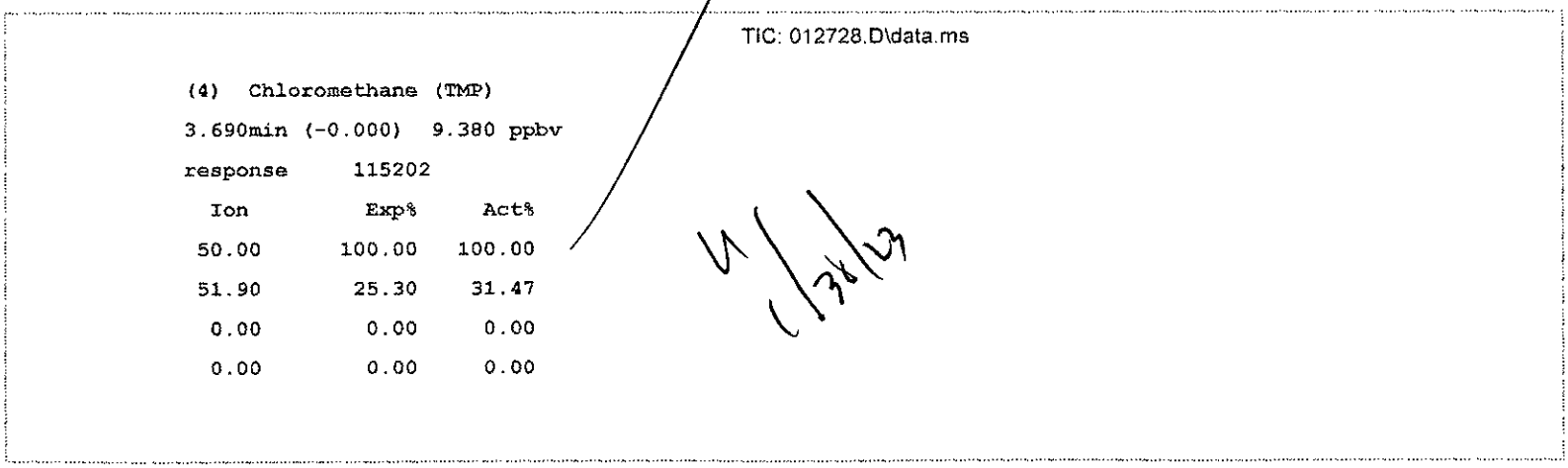
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.690min (-0.000) 9.380 ppbv

response 115202

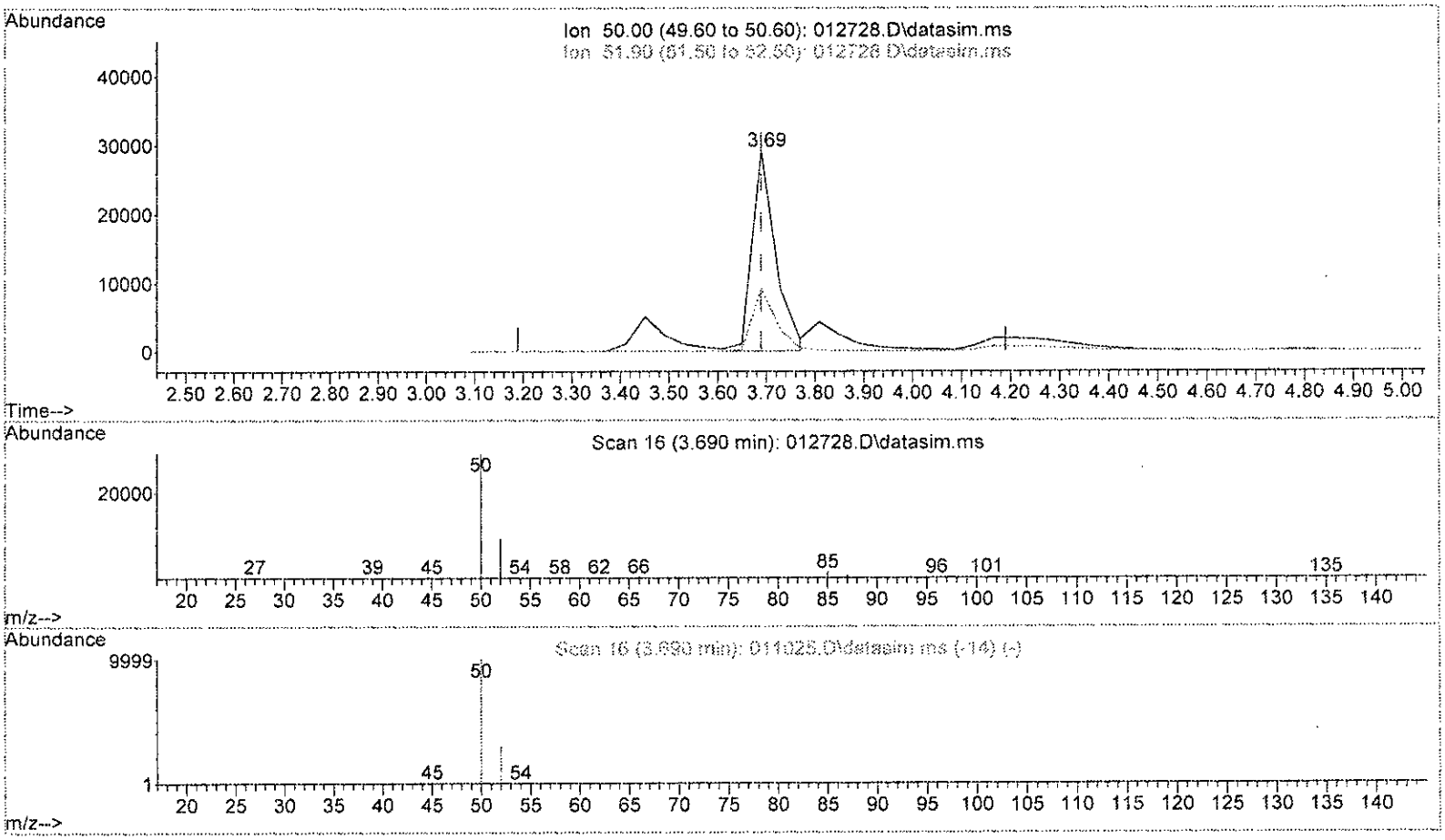
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.47
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 7.939 ppbv m

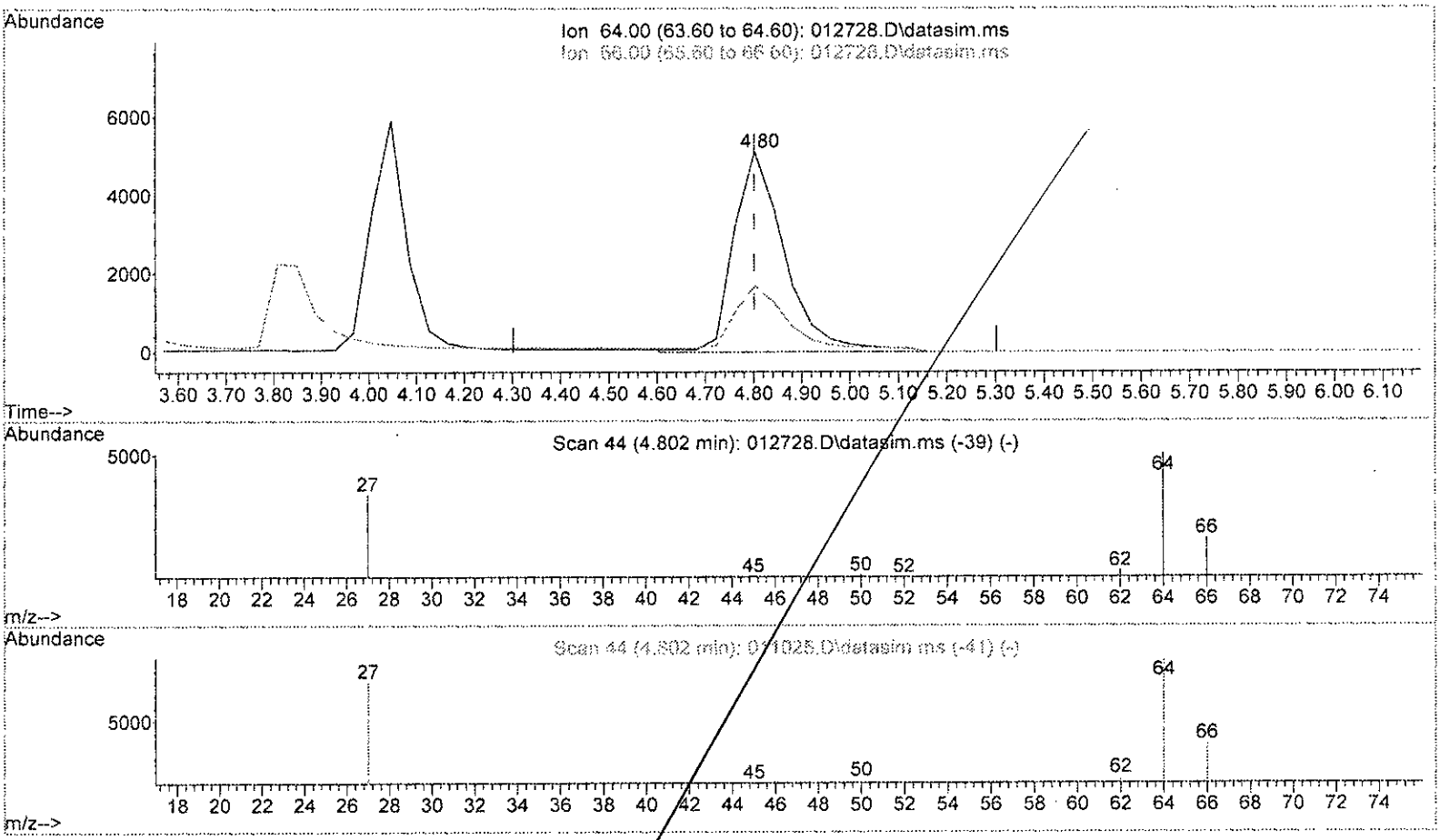
response 97494

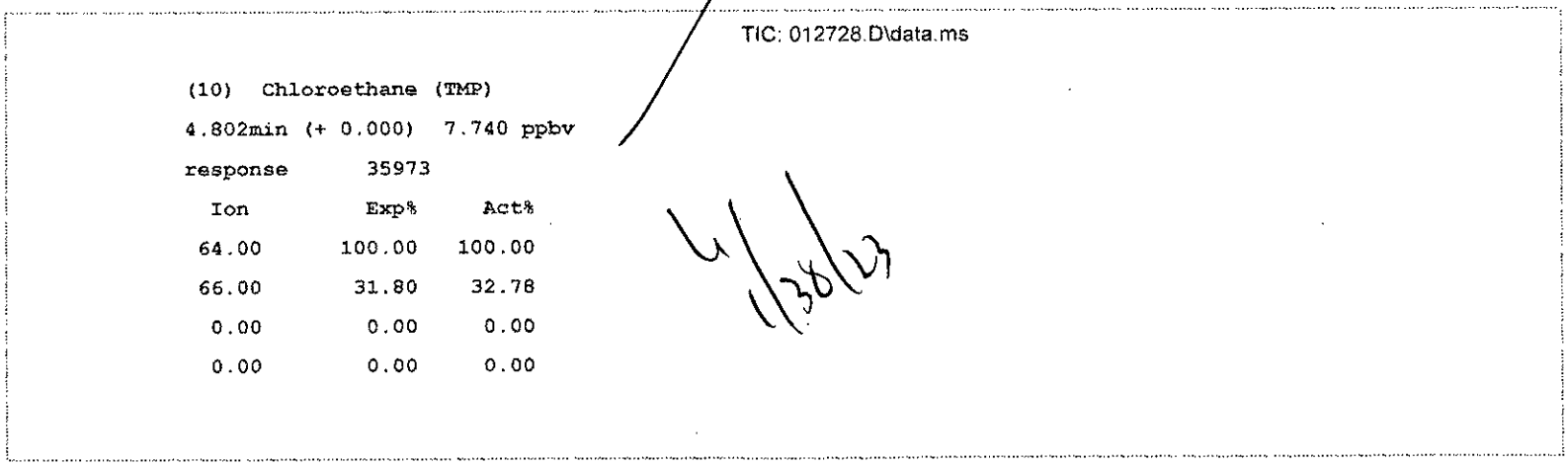
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.36
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(10) Chloroethane (TMP)

4.802min (+ 0.000) 7.740 ppbv

response 35973

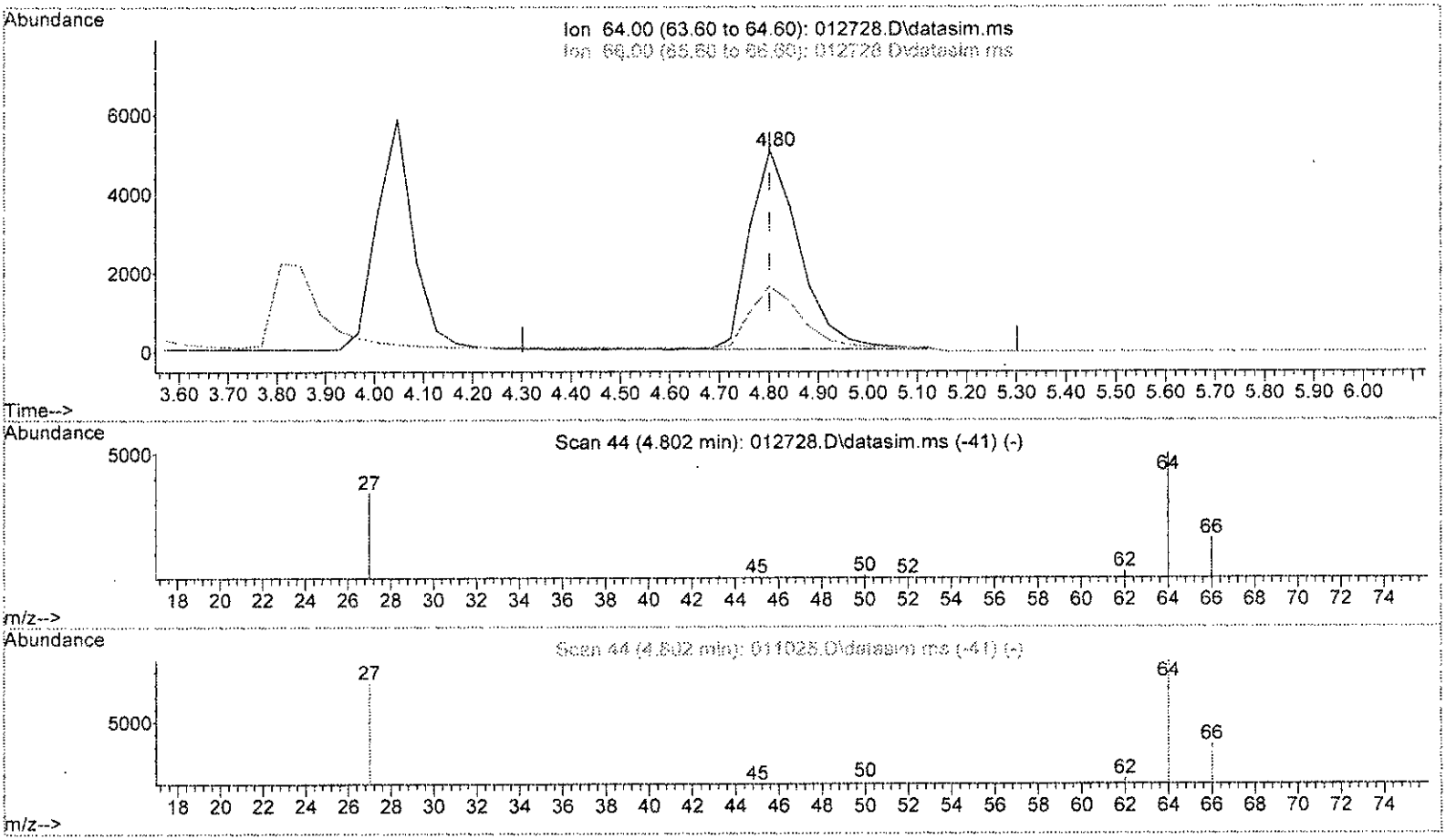
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.78
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

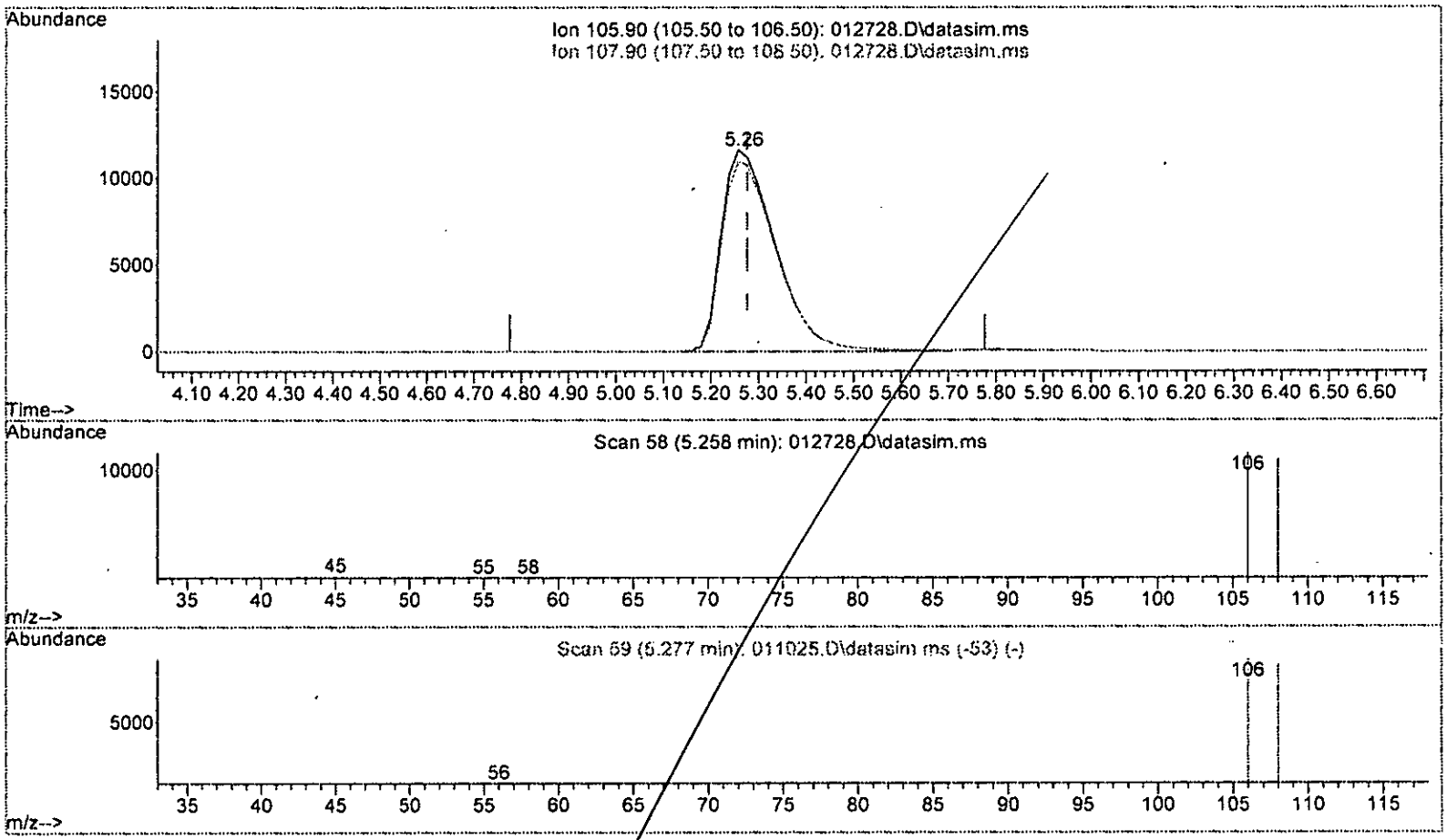
(10) Chloroethane (TMP)
4.802min (+ 0.000) 7.624 ppbv m
response 35435

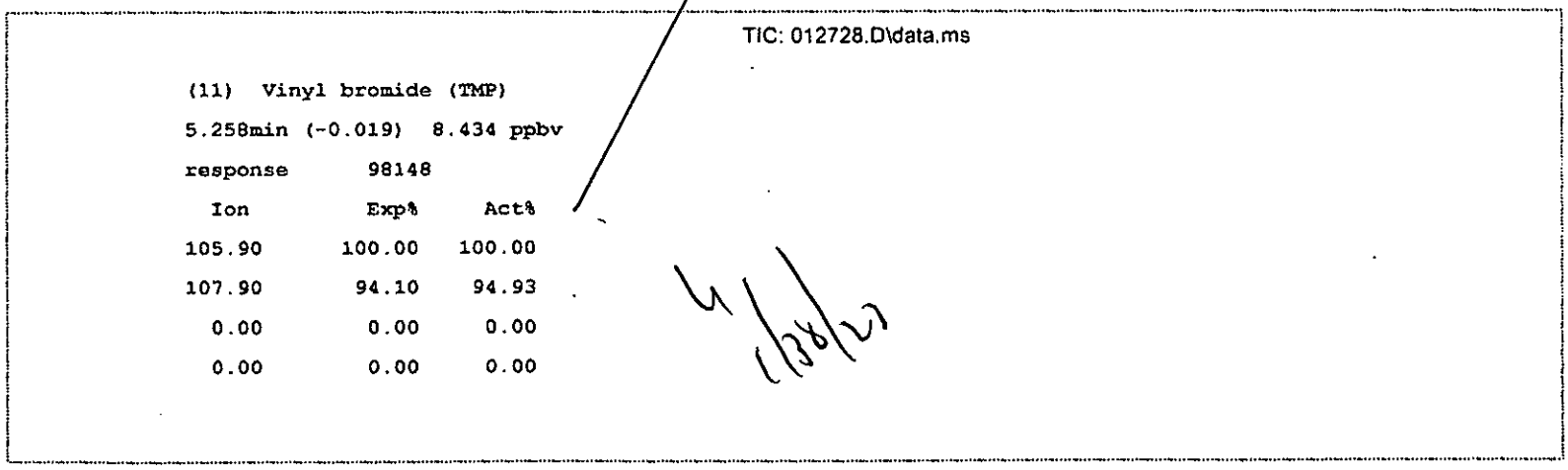
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.78
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





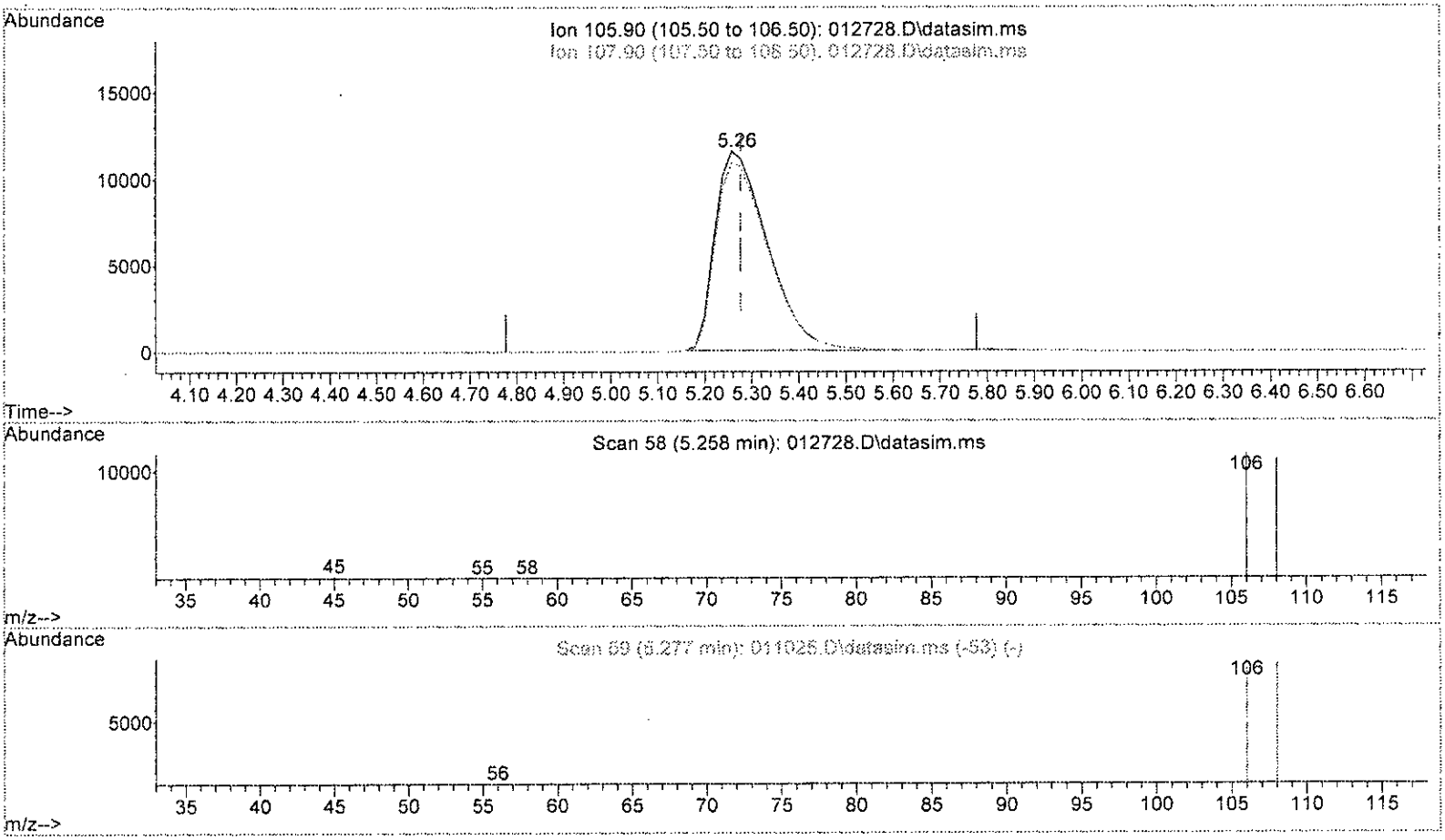
(11) Vinyl bromide (TMP)
5.258min (-0.019) 8.434 ppbv
response 98148

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

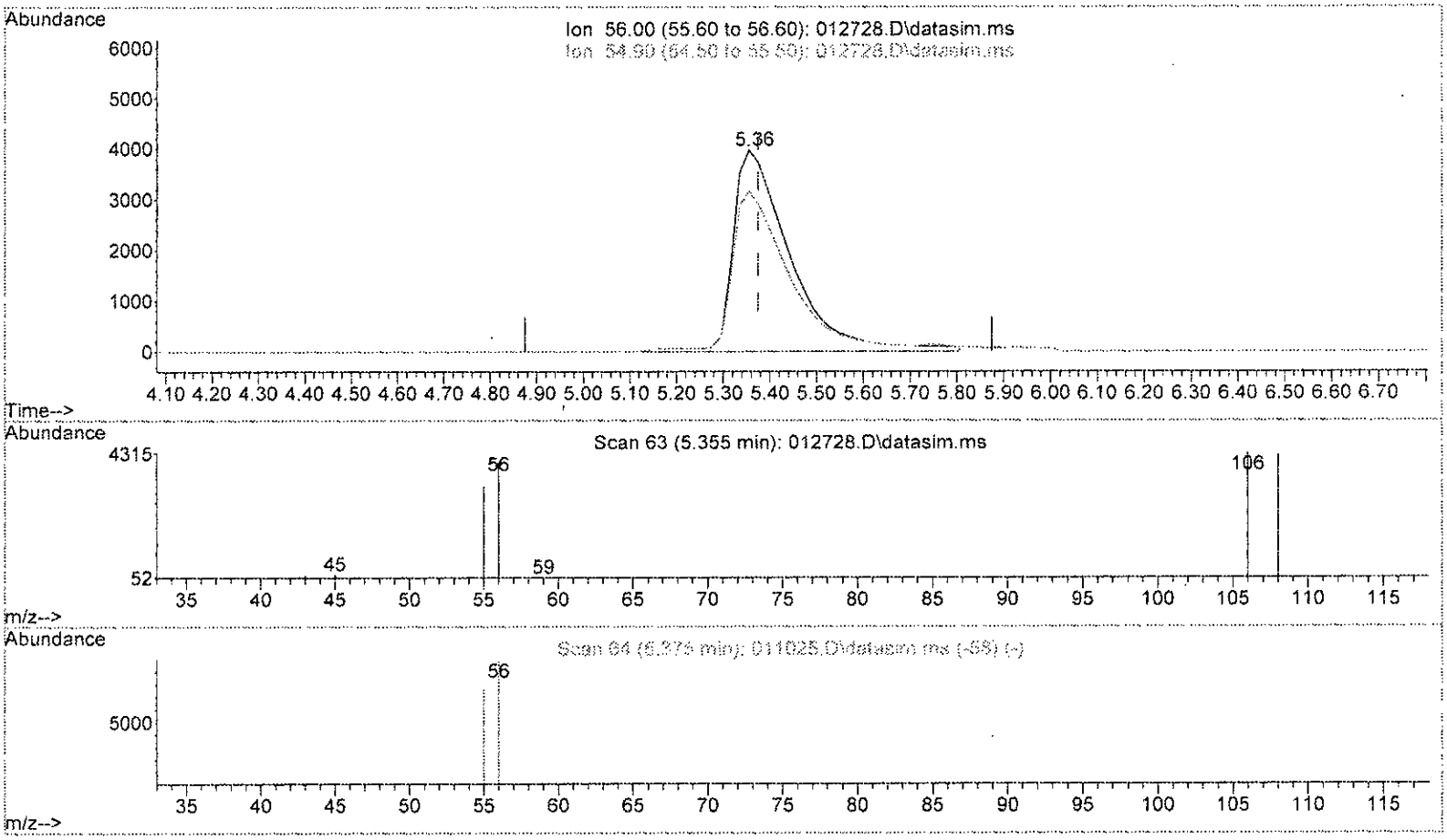
(11) Vinyl bromide (TMP)
5.258min (-0.019) 7.692 ppbv m
response 89510

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	104.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 9.251 ppbv

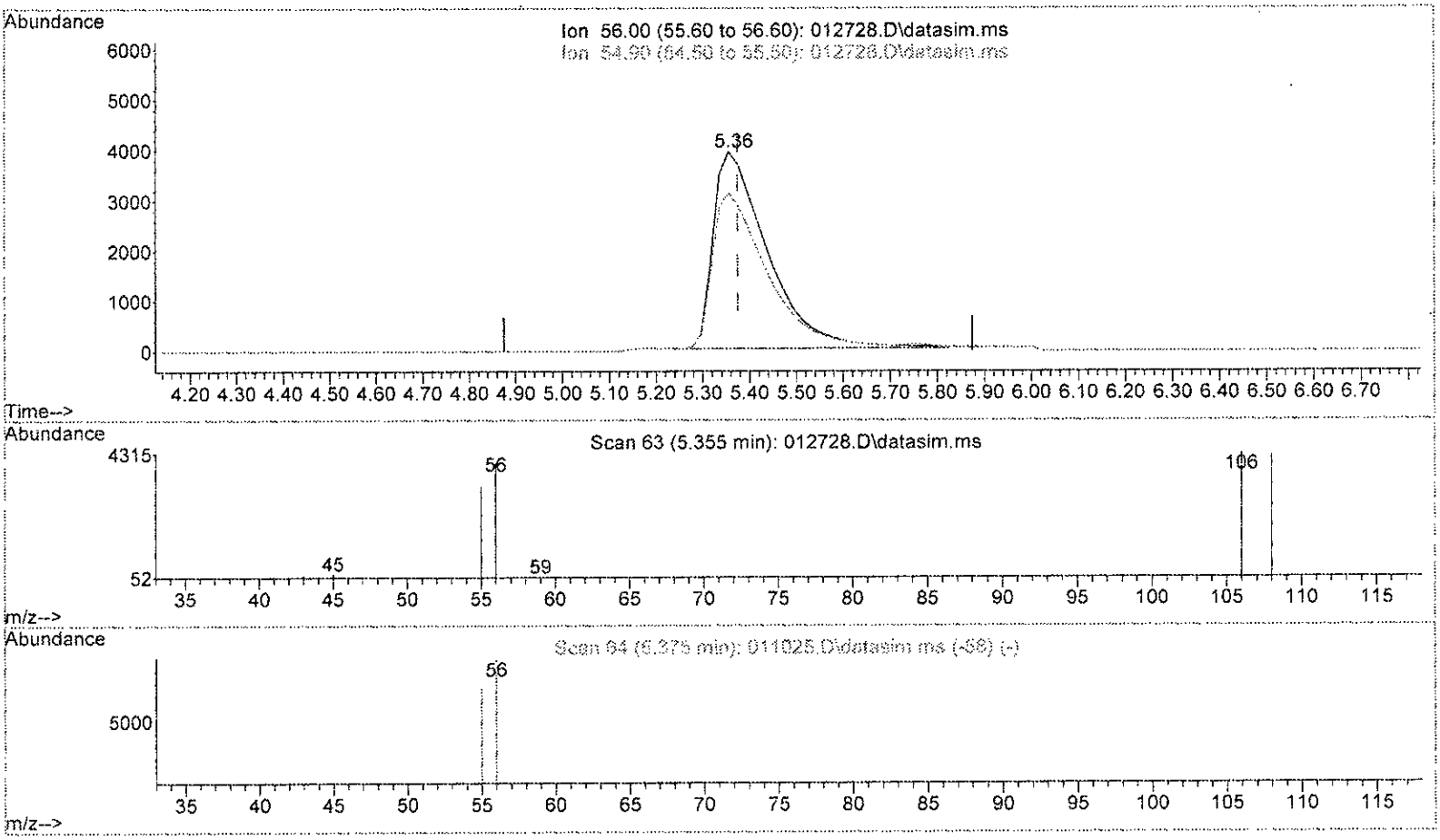
response 35566

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	72.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 8.170 ppbv m

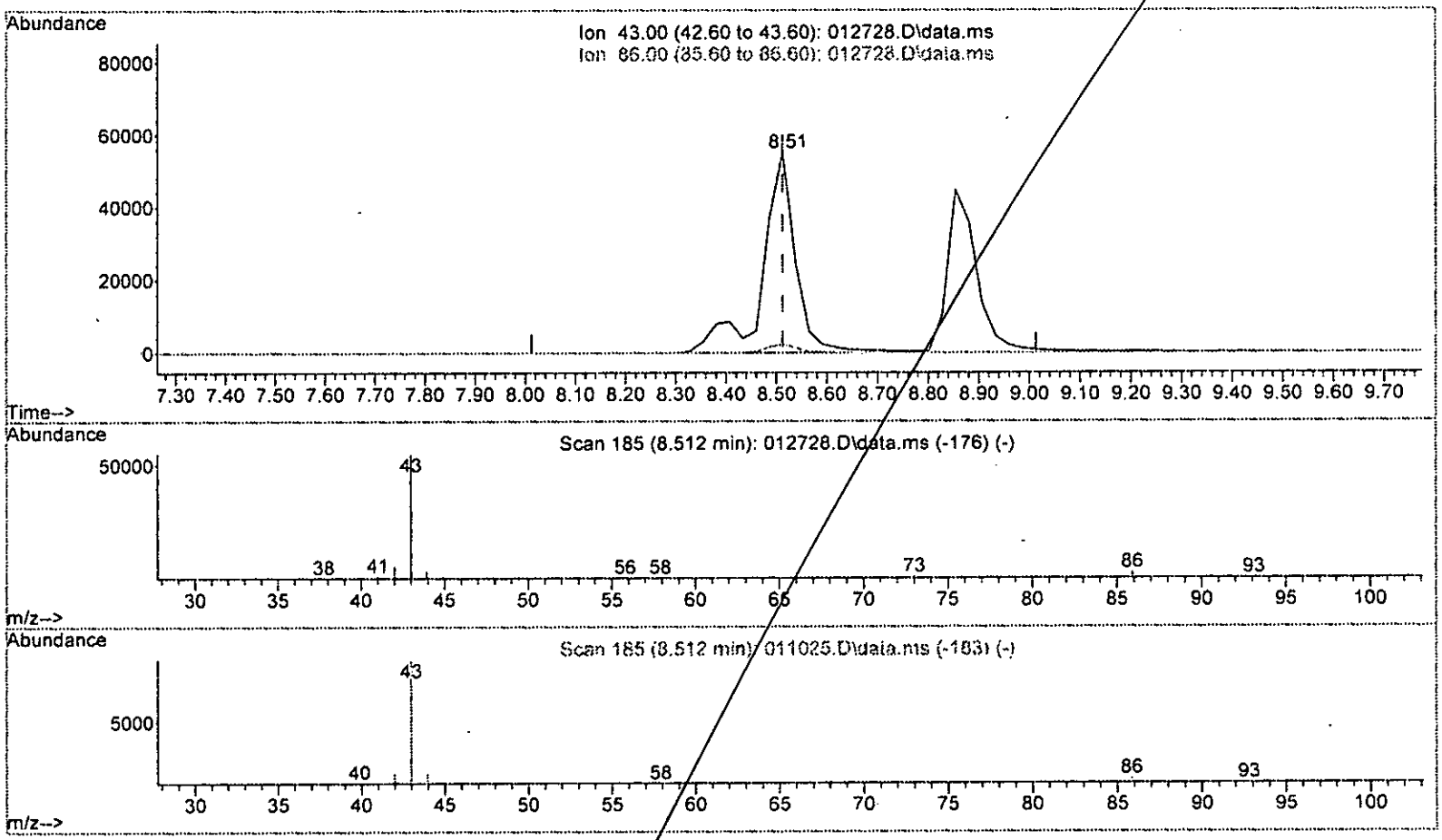
response 31408

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

(26) Vinyl acetate (TMP)
8.512min (-0.001) 9.653 ppbv
response 249875

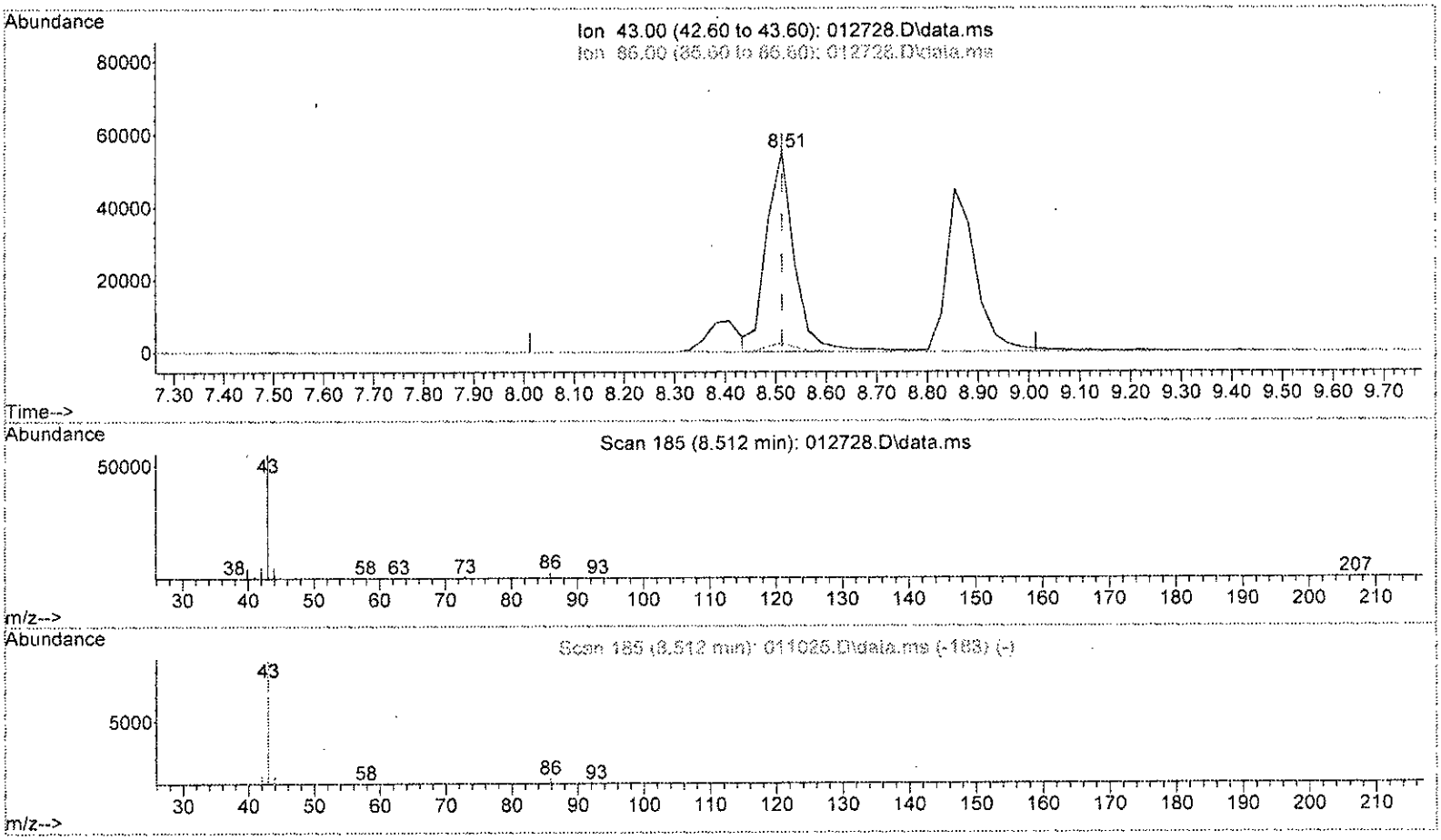
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012728.D\data.ms

(26) Vinyl acetate (TMP)
8.512min (-0.001) 8.076 ppbv m
response 209048

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.30
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	73295	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	324365	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	283133	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	206057	10.952	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.50%			
Target Compounds						Qvalue
2) Propene	3.41	41	68488	7.770	ppbv	98
3) Dichlorodifluoromethane	3.49	85	225867	7.550	ppbv	99
4] Chloromethane	3.69	50	97494m	7.939	ppbv	
5) F-114	3.84	85	225443	7.379	ppbv	99
6] Vinyl chloride	4.05	62	95341	7.598	ppbv	98
7] 1,3-Butadiene	4.17	54	61868	7.829	ppbv #	87
8) Butane	4.28	43	118235	7.866	ppbv	100
9) Bromomethane	4.56	94	96569	7.767	ppbv	99
10] Chloroethane	4.80	64	35435m	7.624	ppbv	
11] Vinyl bromide	5.26	106	89510m	7.692	ppbv	
12) Ethanol	4.92	45	27284	7.562	ppbv	98
13] Acrolein	5.36	56	31408m	8.170	ppbv	
14) Pentane	6.23	43	134112	7.819	ppbv	99
15) Trichlorofluoromethane	5.80	101	247114	7.546	ppbv	99
16) Acetone	5.51	58	38465	7.178	ppbv	100
17) 2-Propanol	5.76	45	161777	7.816	ppbv	97
18] 1,1-Dichloroethene	6.60	96	83166	7.449	ppbv	99
19] trans-1,2-Dichloroethene	8.05	96	84151	7.659	ppbv	83
20) Methylene chloride	6.78	84	79081	7.485	ppbv	96
21) t-Butyl alcohol (TBA)	6.54	59	135735	7.835	ppbv #	69
22) 3-Chloropropene	6.91	41	108692	7.736	ppbv	93
23) CFC-113	7.12	101	187359	7.559	ppbv	96
24) Carbon disulfide	7.22	76	272172	7.580	ppbv	98
25) Methyl t-butyl ether (...	8.41	73	175025	7.524	ppbv	96
26) Vinyl acetate	8.51	43	209048m	8.076	ppbv	
27] 1,1-Dichloroethane	8.33	63	176426	7.510	ppbv	99
28] cis-1,2-Dichloroethene	9.60	96	89710	7.524	ppbv	91
29) Hexane	9.97	57	118716	7.923	ppbv	94
30] Chloroform	10.07	83	203948	7.386	ppbv	98
31) Ethyl acetate	9.90	43	204885	7.958	ppbv	99
32) Tetrahydrofuran	10.71	42	109569	8.044	ppbv	97
33) 2-Butanone (MEK)	8.85	72	34163	8.665	ppbv #	92
34] 1,2-Dichloroethane (EDC)	11.31	62	131408	7.582	ppbv	99
35] 1,1,1-Trichloroethane	11.79	97	173045	7.490	ppbv	97
36] Carbon tetrachloride	12.84	117	183546	7.548	ppbv	98
37] Benzene	12.59	78	283041	7.256	ppbv	94
38) Cyclohexane	13.05	84	73772	7.778	ppbv	99
40] 1,2-Dichloropropane	13.79	63	134153	7.454	ppbv	100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

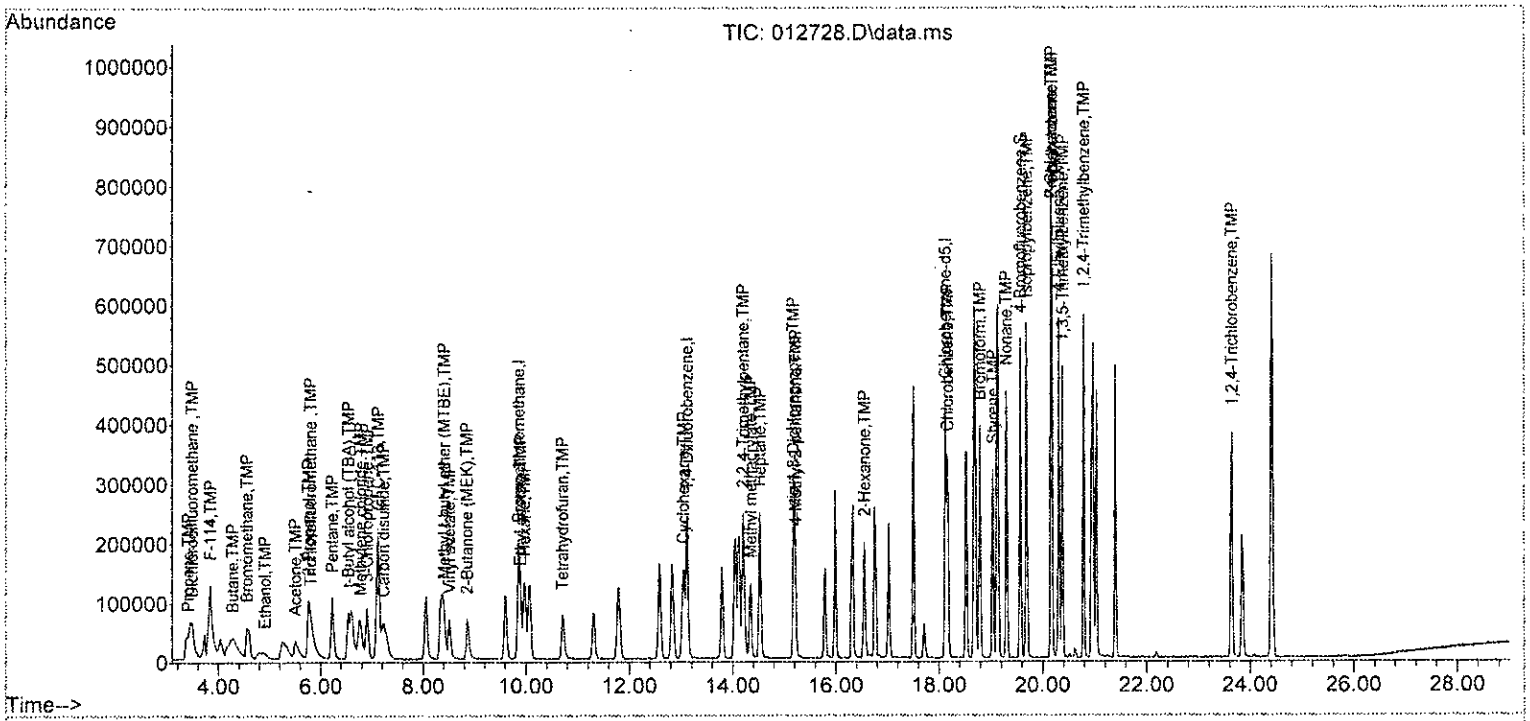
Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

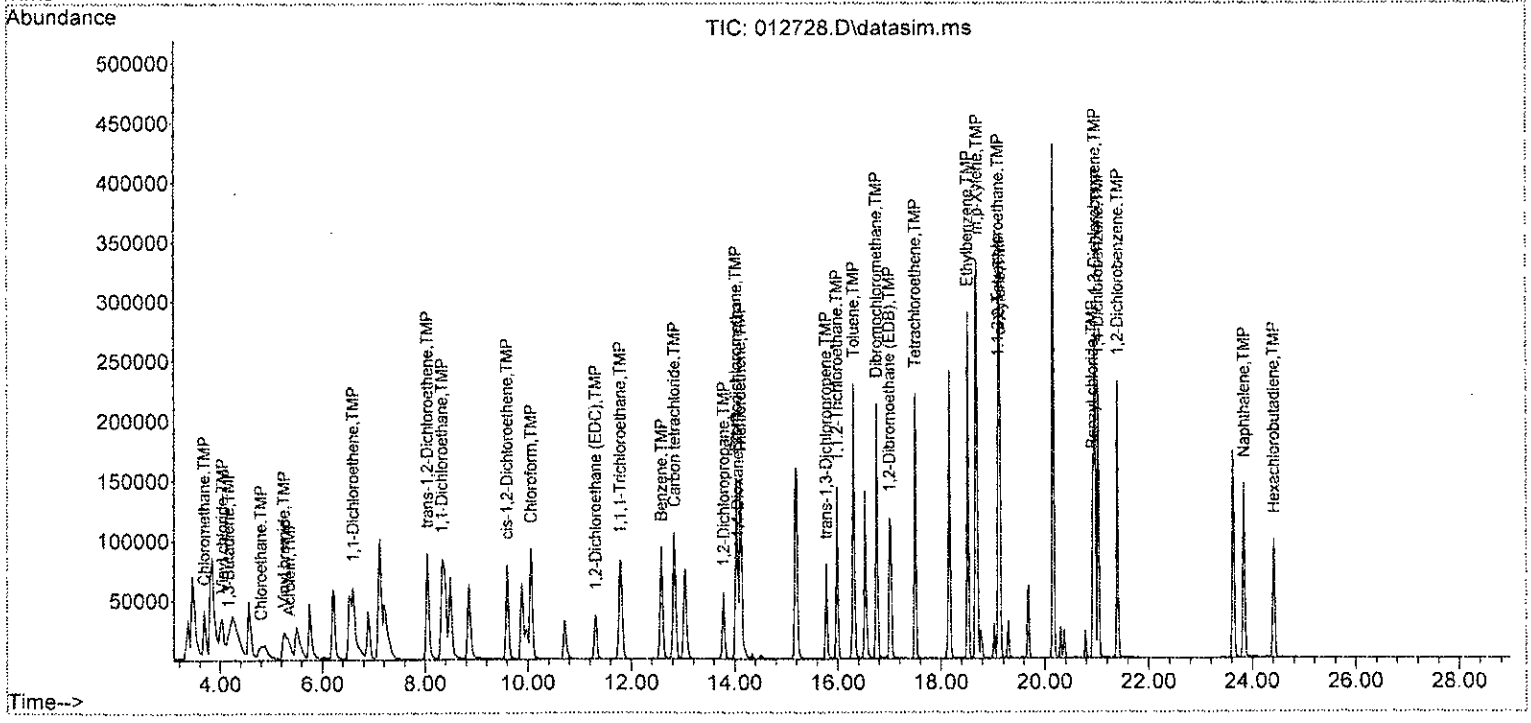
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	57350	7.614	ppbv		87
42) 2,2,4-Trimethylpentane	14.20	57	405133	7.698	ppbv	#	99
43) Methyl methacrylate	14.35	41	115929	7.901	ppbv		96
44) Heptane	14.52	43	168420	7.854	ppbv		97
45] Bromodichloromethane	14.04	83	218547	7.449	ppbv		94
46] Trichloroethene	14.11	95	135697	7.223	ppbv		86
47) cis-1,3-Dichloropropene	15.18	75	158255	7.761	ppbv		99
48) 4-Methyl-2-pentanone	15.22	100	10592	7.680	ppbv	#	76
49] trans-1,3-Dichloropropene	15.78	75	146148	7.617	ppbv		91
50] Toluene	16.31	92	179151	7.521	ppbv		88
51] 1,1,2-Trichloroethane	15.99	83	130063	7.378	ppbv		84
52) 2-Hexanone	16.55	43	201436	8.221	ppbv		95
53] Tetrachloroethene	17.51	164	111136	7.243	ppbv		96
54] Dibromochloromethane	16.75	129	222709	7.526	ppbv		96
55] 1,2-Dibromoethane (EDB)	17.01	107	193810	7.260	ppbv		81
57) Chlorobenzene	18.16	112	240165	7.370	ppbv		99
58] Ethylbenzene	18.52	91	406379	7.333	ppbv		95
59] 1,1,2,2-Tetrachloroethane	19.11	83	307426	7.028	ppbv		92
60) Nonane	19.30	43	247130	8.587	ppbv		99
61) Isopropylbenzene	19.69	105	416394	7.874	ppbv		99
62) 2-Chlorotoluene	20.17	126	105308	8.020	ppbv		91
63) Propylbenzene	20.17	91	817803	8.432	ppbv		99
64) 4-Ethyltoluene	20.31	105	390267	8.473	ppbv		98
65] m,p-Xylene	18.70	106	293223	16.165	ppbv		93
66] o-Xylene	19.15	106	143345	7.964	ppbv		92
67) Styrene	19.04	104	201553	8.472	ppbv		97
68) Bromoform	18.79	173	227955	7.581	ppbv		100
70] Benzyl chloride	20.93	91	274635	8.958	ppbv		89
71) 1,3,5-Trimethylbenzene	20.38	105	360268	8.270	ppbv		98
72) 1,2,4-Trimethylbenzene	20.79	105	338098	8.959	ppbv		96
73] 1,3-Dichlorobenzene	20.97	146	242825	8.427	ppbv		95
74] 1,4-Dichlorobenzene	21.03	146	225079	8.538	ppbv		86
75] 1,2-Dichlorobenzene	21.41	146	246095	8.354	ppbv		90
76) 1,2,4-Trichlorobenzene	23.64	180	185349	8.491	ppbv		98
77] Naphthalene	23.84	128	300850	8.424	ppbv		99
78] Hexachlorobutadiene	24.42	225	216030	7.441	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
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InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	8.000	7.770	2.9	100	0.00
3	TMP	Dichlorodifluoromethane	8.000	7.550	5.6	100	0.00
4	TMP	Chloromethane	8.000	7.939	0.8	100	0.00
5	TMP	F-114	8.000	7.379	7.8	100	0.00
6	TMP	Vinyl chloride	8.000	7.598	5.0	100	0.00
7	TMP	1,3-Butadiene	8.000	7.829	2.1	100	0.00
8	TMP	Butane	8.000	7.866	1.7	100	0.00
9	TMP	Bromomethane	8.000	7.767	2.9	102	-0.04
10	TMP	Chloroethane	8.000	7.624	4.7	100	0.00
11	TMP	Vinyl bromide	8.000	7.692	3.8	100	-0.02
12	TMP	Ethanol	8.000	7.562	5.5	100	0.00
13	TMP	Acrolein	8.000	8.170	-2.1	100	-0.02
14	TMP	Pentane	8.000	7.819	2.3	100	0.00
15	TMP	Trichlorofluoromethane	8.000	7.546	5.7	100	0.00
16	TMP	Acetone	8.000	7.178	10.3	100	-0.02
17	TMP	2-Propanol	8.000	7.816	2.3	100	0.00
18	TMP	1,1-Dichloroethene	8.000	7.449	6.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	8.000	7.659	4.3	100	-0.03
20	TMP	Methylene chloride	8.000	7.485	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	8.000	7.835	2.1	100	0.00
22	TMP	3-Chloropropene	8.000	7.736	3.3	100	0.00
23	TMP	CFC-113	8.000	7.559	5.5	100	0.00
24	TMP	Carbon disulfide	8.000	7.580	5.2	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	8.000	7.524	5.9	100	0.00
26	TMP	Vinyl acetate	8.000	8.076	-1.0	102	0.00
27	TMP	1,1-Dichloroethane	8.000	7.510	6.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	8.000	7.524	5.9	100	0.00
29	TMP	Hexane	8.000	7.923	1.0	100	-0.02
30	TMP	Chloroform	8.000	7.386	7.7	100	0.00
31	TMP	Ethyl acetate	8.000	7.958	0.5	100	0.00
32	TMP	Tetrahydrofuran	8.000	8.044	-0.6	100	-0.02
33	TMP	2-Butanone (MEK)	8.000	8.665	-8.3	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	8.000	7.582	5.2	100	0.00
35	TMP	1,1,1-Trichloroethane	8.000	7.490	6.4	100	-0.01
36	TMP	Carbon tetrachloride	8.000	7.548	5.6	100	0.00
37	TMP	Benzene	8.000	7.256	9.3	100	0.00
38	TMP	Cyclohexane	8.000	7.778	2.8	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	8.000	7.454	6.8	100	0.00
41	TMP	1,4-Dioxane	8.000	7.614	4.8	100	0.00
42	TMP	2,2,4-Trimethylpentane	8.000	7.698	3.8	100	0.00
43	TMP	Methyl methacrylate	8.000	7.901	1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	8.000	7.854	1.8	100	0.00
45	TMP	Bromodichloromethane	8.000	7.449	6.9	100	0.00
46	TMP	Trichloroethene	8.000	7.223	9.7	100	0.00
47	TMP	cis-1,3-Dichloropropene	8.000	7.761	3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	8.000	7.680	4.0	100	0.00
49	TMP	trans-1,3-Dichloropropene	8.000	7.617	4.8	100	0.00
50	TMP	Toluene	8.000	7.521	6.0	100	0.00
51	TMP	1,1,2-Trichloroethane	8.000	7.378	7.8	100	0.00
52	TMP	2-Hexanone	8.000	8.221	-2.8	100	0.00
53	TMP	Tetrachloroethene	8.000	7.243	9.5	100	0.00
54	TMP	Dibromochloromethane	8.000	7.526	5.9	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	8.000	7.260	9.3	100	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	8.000	7.370	7.9	100	0.00
58	TMP	Ethylbenzene	8.000	7.333	8.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	8.000	7.028	12.2	100	0.00
60	TMP	Nonane	8.000	8.587	-7.3	100	0.00
61	TMP	Isopropylbenzene	8.000	7.874	1.6	100	0.00
62	TMP	2-Chlorotoluene	8.000	8.020	-0.2	100	0.00
63	TMP	Propylbenzene	8.000	8.432	-5.4	100	0.00
64	TMP	4-Ethyltoluene	8.000	8.473	-5.9	100	0.00
65	TMP	m,p-Xylene	16.000	16.165	-1.0	100	0.00
66	TMP	o-Xylene	8.000	7.964	0.4	100	0.00
67	TMP	Styrene	8.000	8.472	-5.9	100	0.00
68	TMP	Bromoform	8.000	7.581	5.2	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.952	-9.5	100	0.00
70	TMP	Benzyl chloride	8.000	8.958	-12.0	100	0.00
71	TMP	1,3,5-Trimethylbenzene	8.000	8.270	-3.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	8.000	8.959	-12.0	100	0.00
73	TMP	1,3-Dichlorobenzene	8.000	8.427	-5.3	100	0.00
74	TMP	1,4-Dichlorobenzene	8.000	8.538	-6.7	100	0.00
75	TMP	1,2-Dichlorobenzene	8.000	8.354	-4.4	100	0.00
76	TMP	1,2,4-Trichlorobenzene	8.000	8.491	-6.1	100	0.00
77	TMP	Naphthalene	8.000	8.424	-5.3	100	0.00
78	TMP	Hexachlorobutadiene	8.000	7.441	7.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.168	9.2	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.852	5.6	100	0.00
4	TMP	Chloromethane	1.676	1.663	0.8	100	0.00
5	TMP	F-114	4.169	3.845	7.8	100	0.00
6	TMP	Vinyl chloride	1.712	1.626	5.0	100	0.00
7	TMP	1,3-Butadiene	1.078	1.055	2.1	100	0.00
8	TMP	Butane	2.051	2.016	1.7	100	0.00
9	TMP	Bromomethane	1.696	1.647	2.9	102	-0.04
10	TMP	Chloroethane	0.634	0.604	4.7	100	0.00
11	TMP	Vinyl bromide	1.588	1.527	3.8	100	-0.02
12	TMP	Ethanol	0.538	0.465	13.6	100	0.00
13	TMP	Acrolein	0.525	0.536	-2.1	100	-0.02
14	TMP	Pentane	2.340	2.287	2.3	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.214	5.7	100	0.00
16	TMP	Acetone	0.731	0.656	10.3	100	-0.02
17	TMP	2-Propanol	2.824	2.759	2.3	100	0.00
18	TMP	1,1-Dichloroethene	1.523	1.418	6.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.435	4.3	100	-0.03
20	TMP	Methylene chloride	1.441	1.349	6.4	100	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.315	2.1	100	0.00
22	TMP	3-Chloropropene	1.917	1.854	3.3	100	0.00
23	TMP	CFC-113	3.382	3.195	5.5	100	0.00
24	TMP	Carbon disulfide	4.899	4.642	5.2	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	2.985	6.0	100	0.00
26	TMP	Vinyl acetate	3.532	3.565	-0.9	102	0.00
27	TMP	1,1-Dichloroethane	3.205	3.009	6.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.530	6.0	100	0.00
29	TMP	Hexane	2.044	2.025	0.9	100	-0.02
30	TMP	Chloroform	3.767	3.478	7.7	100	0.00
31	TMP	Ethyl acetate	3.512	3.494	0.5	100	0.00
32	TMP	Tetrahydrofuran	1.858	1.869	-0.6	100	-0.02
33	TMP	2-Butanone (MEK)	0.538	0.583	-8.4	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.241	5.2	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	2.951	6.4	100	-0.01
36	TMP	Carbon tetrachloride	3.318	3.130	5.7	100	0.00
37	TMP	Benzene	5.322	4.827	9.3	100	0.00
38	TMP	Cyclohexane	1.294	1.258	2.8	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.517	6.8	100	0.00
41	TMP	1,4-Dioxane	0.232	0.221	4.7	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.561	3.8	100	0.00
43	TMP	Methyl methacrylate	0.452	0.447	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012728.D
Acq On : 28 Jan 2023 11:06 am
Operator : bat
Sample : 8.0 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 28 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:12:33 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

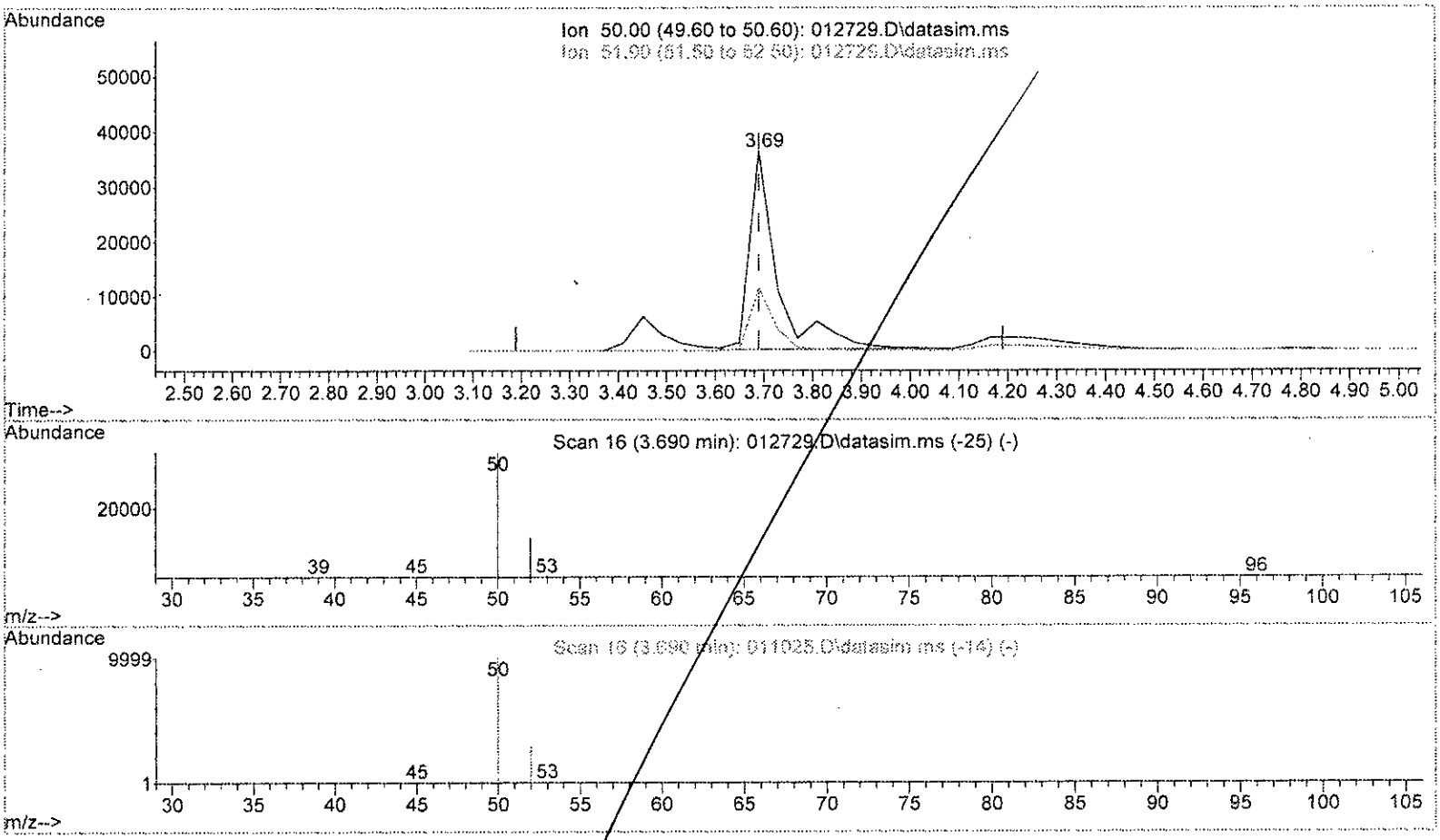
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.649	1.8	100	0.00
45	TMP	Bromodichloromethane	0.905	0.842	7.0	100	0.00
46	TMP	Trichloroethene	0.579	0.523	9.7	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.610	3.0	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.563	4.9	100	0.00
50	TMP	Toluene	0.734	0.690	6.0	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.501	7.7	100	0.00
52	TMP	2-Hexanone	0.755	0.776	-2.8	100	0.00
53	TMP	Tetrachloroethene	0.473	0.428	9.5	100	0.00
54	TMP	Dibromochloromethane	0.912	0.858	5.9	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.747	9.2	100	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.060	7.9	100	0.00
58	TMP	Ethylbenzene	1.957	1.794	8.3	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.357	12.2	100	0.00
60	TMP	Nonane	1.017	1.091	-7.3	100	0.00
61	TMP	Isopropylbenzene	1.868	1.838	1.6	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.465	-0.2	100	0.00
63	TMP	Propylbenzene	3.426	3.611	-5.4	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.723	-5.9	100	0.00
65	TMP	m,p-Xylene	0.641	0.647	-0.9	100	0.00
66	TMP	o-Xylene	0.636	0.633	0.5	100	0.00
67	TMP	Styrene	0.840	0.890	-6.0	100	0.00
68	TMP	Bromoform	1.062	1.006	5.3	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.728	-9.5	100	0.00
70	TMP	Benzyl chloride	1.083	1.212	-11.9	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.591	-3.4	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.493	-12.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.072	-5.3	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.994	-6.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.086	-4.4	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.818	-37.5#	100	0.00
77	TMP	Naphthalene	0.967	1.328	-37.3#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.954	6.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012729.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 11.743 ppbv

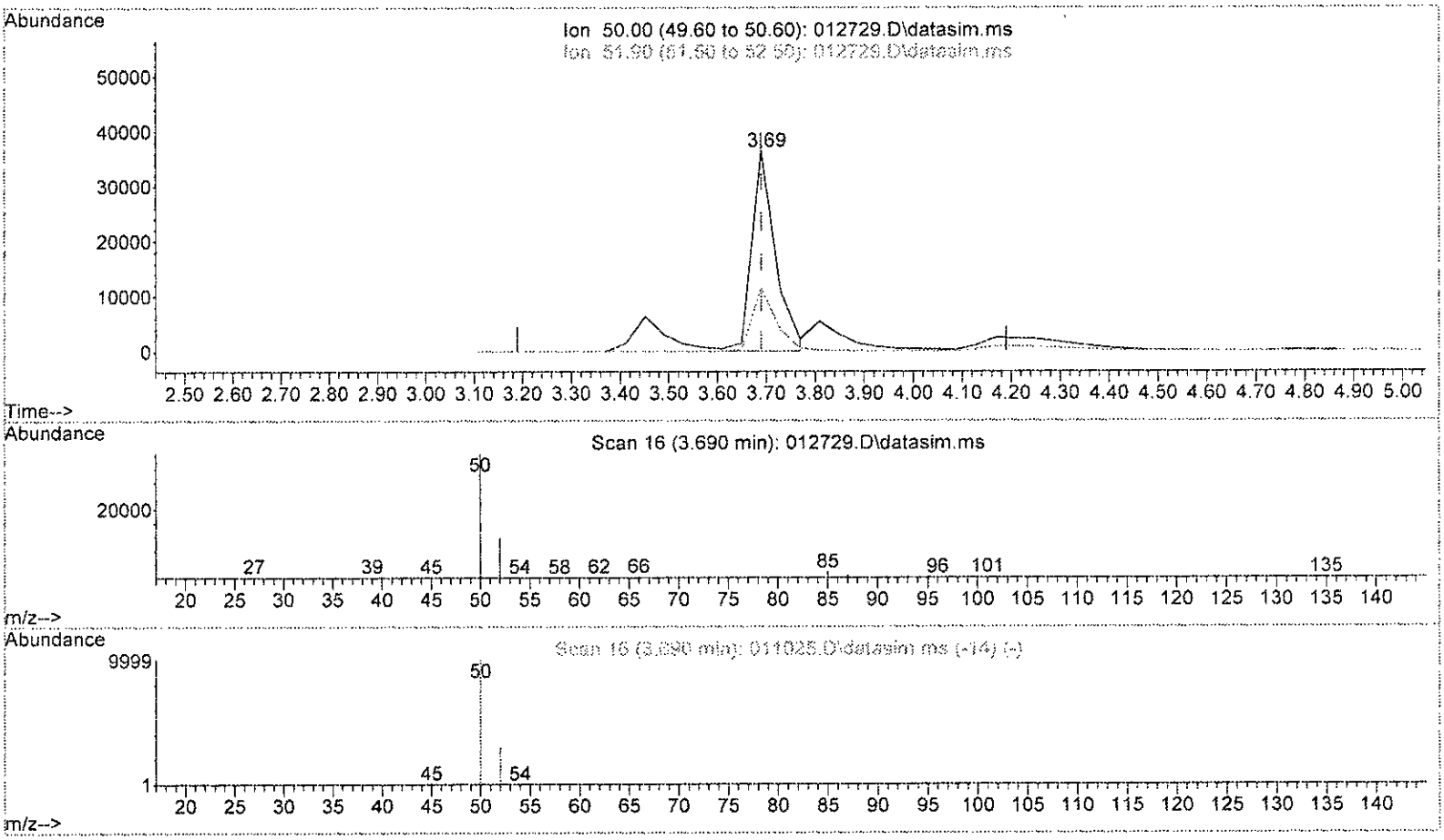
response 142913

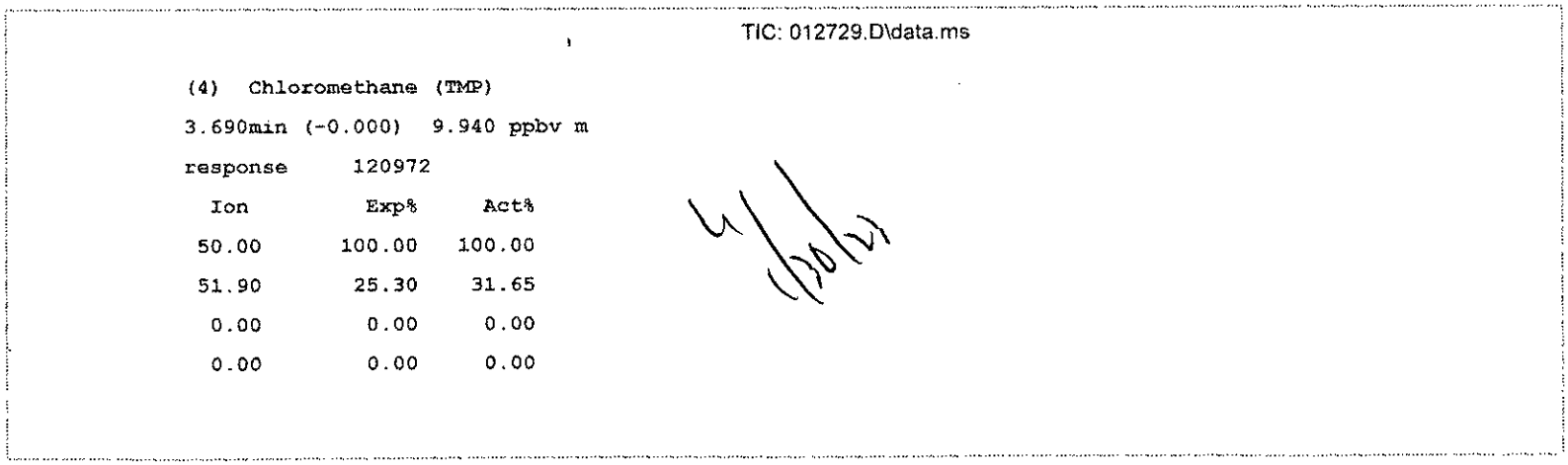
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(4) Chloromethane (TMP)

3.690min (-0.000) 9.940 ppbv m

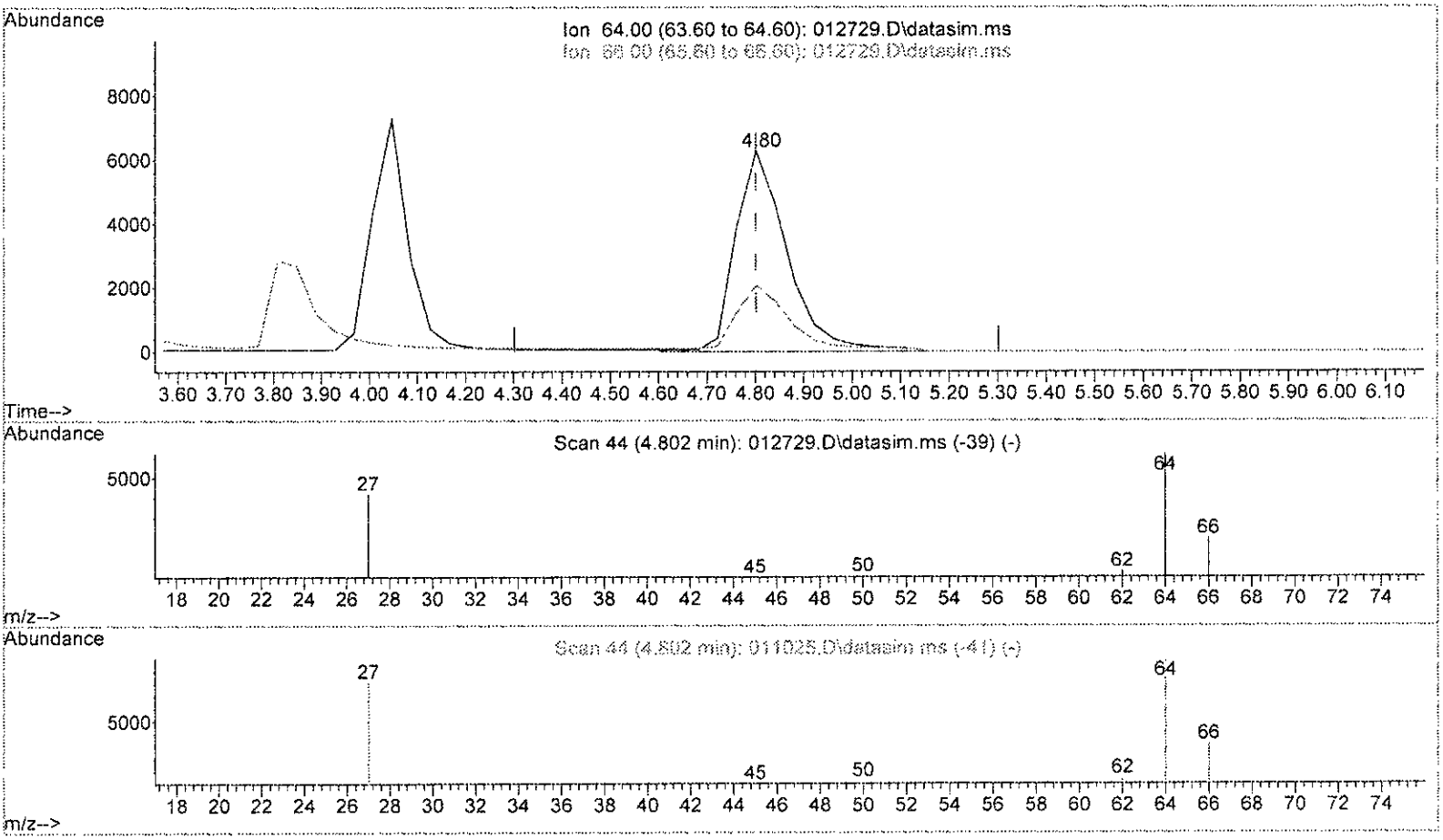
response 120972

Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	31.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012729.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 9.639 ppbv

response 44393

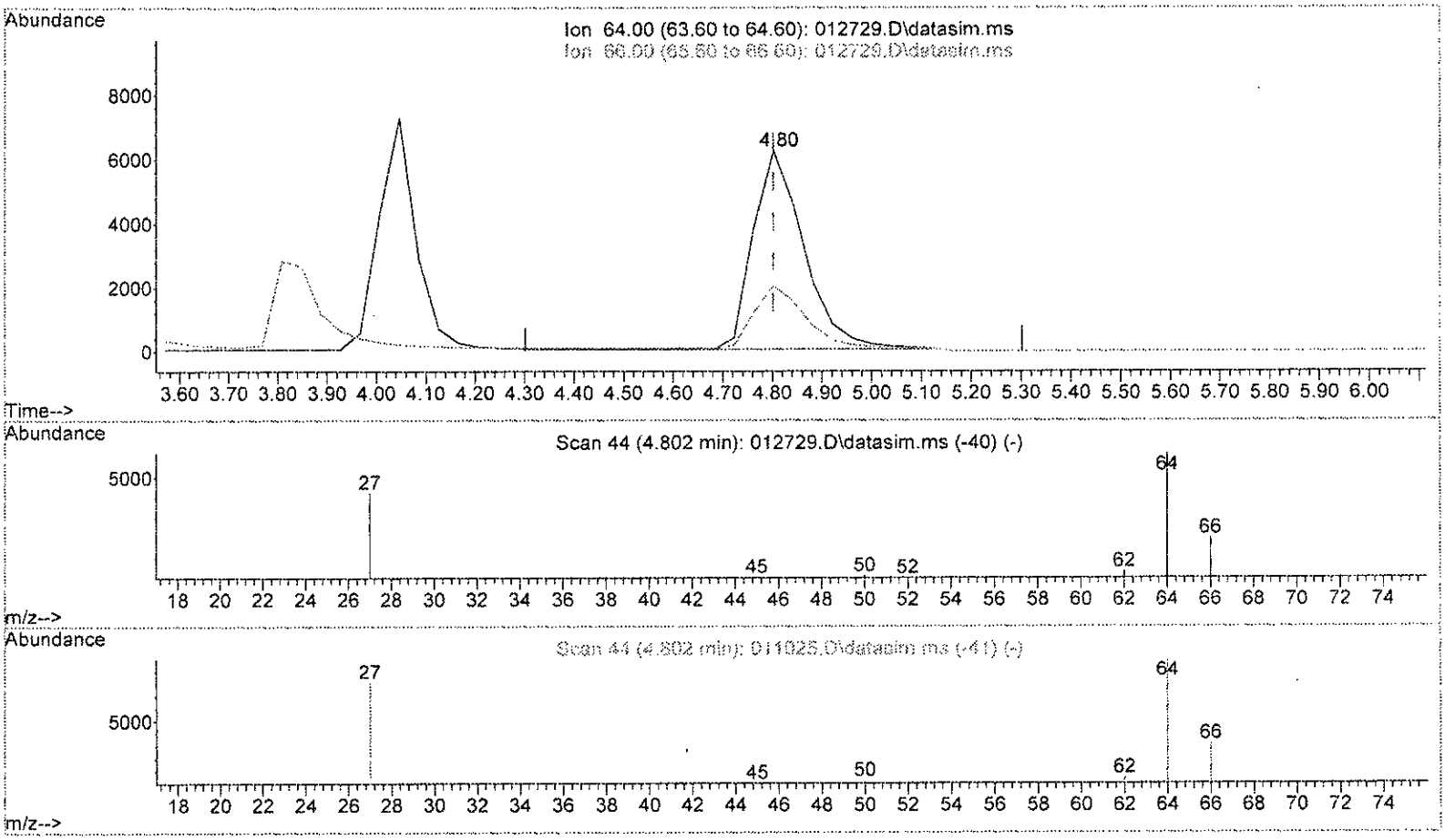
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.88
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012729.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 9.559 ppbv m

response 44027

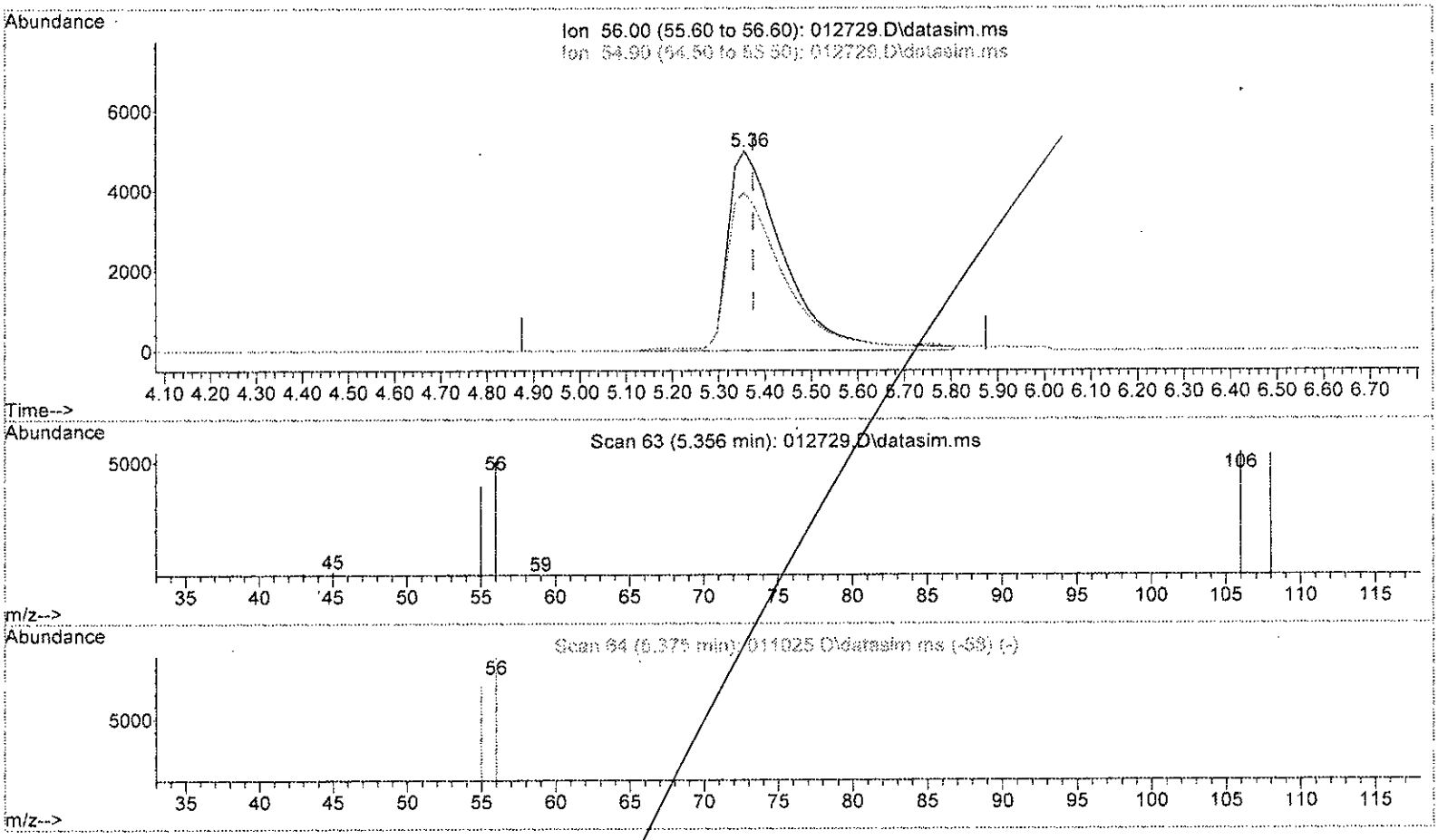
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.88
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012729.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 11.569 ppbv

response 44074

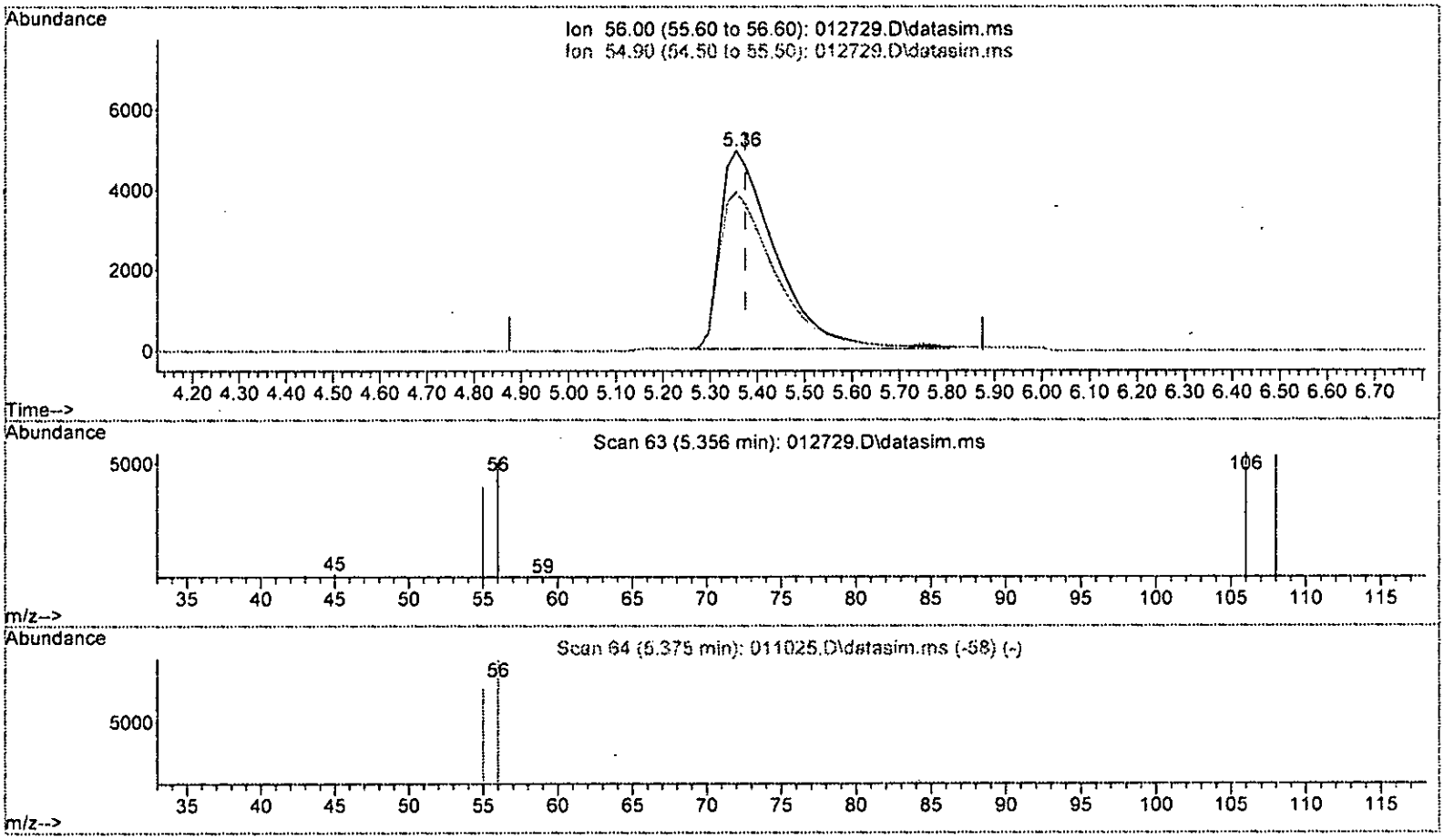
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	72.90
0.00	0.00	0.00
0.00	0.00	0.00

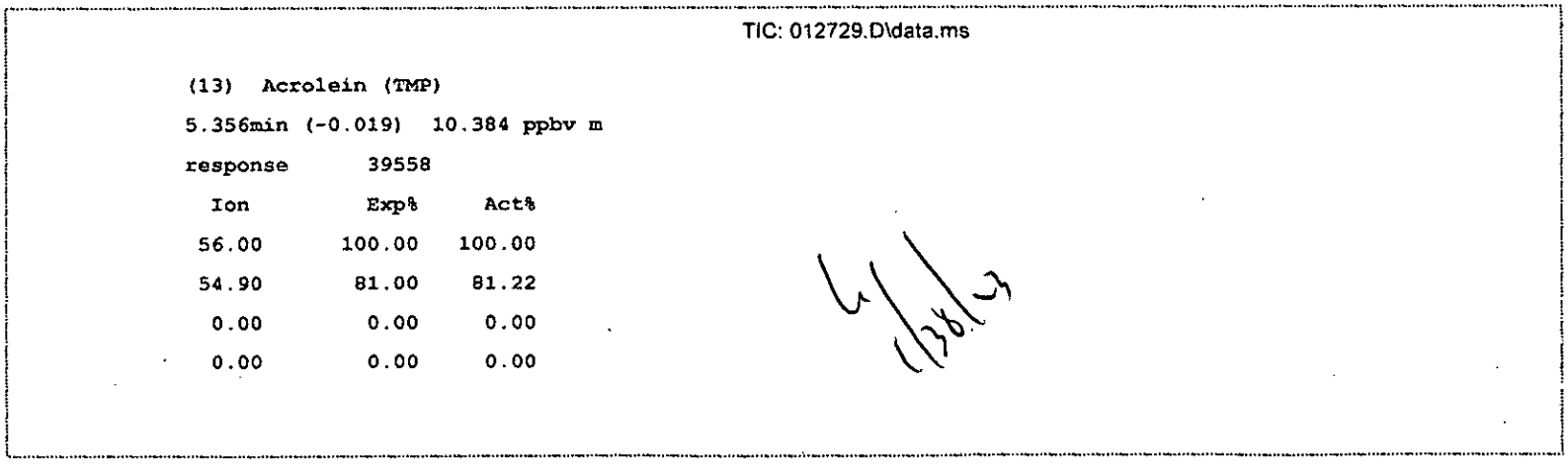
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.356min (-0.019) 10.384 ppbv m

response 39558

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	81.22
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	72631	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	329146	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	289682	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	209550	10.886	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.90%				
Target Compounds							Qvalue
2) Propene	3.41	41	87697	10.263	ppbv		98
3) Dichlorodifluoromethane	3.49	85	283965	9.579	ppbv		99
4] Chloromethane	3.69	50	120972m	9.940	ppbv		
5) F-114	3.84	85	280374	9.260	ppbv		98
6] Vinyl chloride	4.05	62	119072	9.576	ppbv		99
7] 1,3-Butadiene	4.17	54	77978	9.958	ppbv	#	86
8) Butane	4.28	43	148757	9.988	ppbv		100
9) Bromomethane	4.56	94	118713	9.636	ppbv		99
10] Chloroethane	4.80	64	44027m	9.559	ppbv		
11] Vinyl bromide	5.26	106	122135	10.592	ppbv		99
12) Ethanol	4.92	45	39089	10.957	ppbv		93
13] Acrolein	5.36	56	39558m	10.384	ppbv		
14) Pentane	6.23	43	163553	9.622	ppbv		99
15) Trichlorofluoromethane	5.80	101	305114	9.403	ppbv		100
16) Acetone	5.51	58	47452	8.937	ppbv		99
17) 2-Propanol	5.76	45	194499	9.483	ppbv		100
18] 1,1-Dichloroethene	6.60	96	103040	9.313	ppbv		98
19] trans-1,2-Dichloroethene	8.05	96	104806	9.626	ppbv		90
20) Methylene chloride	6.75	84	102799	9.819	ppbv		96
21) t-Butyl alcohol (TBA)	6.54	59	171917	10.015	ppbv	#	70
22) 3-Chloropropene	6.91	41	136143	9.778	ppbv		93
23) CFC-113	7.12	101	236581	9.633	ppbv		95
24) Carbon disulfide	7.22	76	333799	9.381	ppbv		96
25) Methyl t-butyl ether (...	8.38	73	221867	9.625	ppbv		99
26) Vinyl acetate	8.51	43	260025	10.137	ppbv		98
27] 1,1-Dichloroethane	8.33	63	218710	9.395	ppbv		100
28] cis-1,2-Dichloroethene	9.60	96	111610	9.446	ppbv		94
29) Hexane	9.97	57	149117	10.043	ppbv		97
30] Chloroform	10.07	83	252229	9.219	ppbv		99
31) Ethyl acetate	9.90	43	260060	10.194	ppbv		99
32) Tetrahydrofuran	10.71	42	139223	10.314	ppbv		99
33) 2-Butanone (MEK)	8.85	72	43777	11.205	ppbv	#	87
34] 1,2-Dichloroethane (EDC)	11.31	62	163338	9.511	ppbv		99
35] 1,1,1-Trichloroethane	11.79	97	213655	9.333	ppbv		97
36] Carbon tetrachloride	12.84	117	228459	9.481	ppbv		98
37] Benzene	12.59	78	353551	9.146	ppbv		94
38) Cyclohexane	13.05	84	91965	9.785	ppbv		95
40] 1,2-Dichloropropane	13.79	63	166749	9.131	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

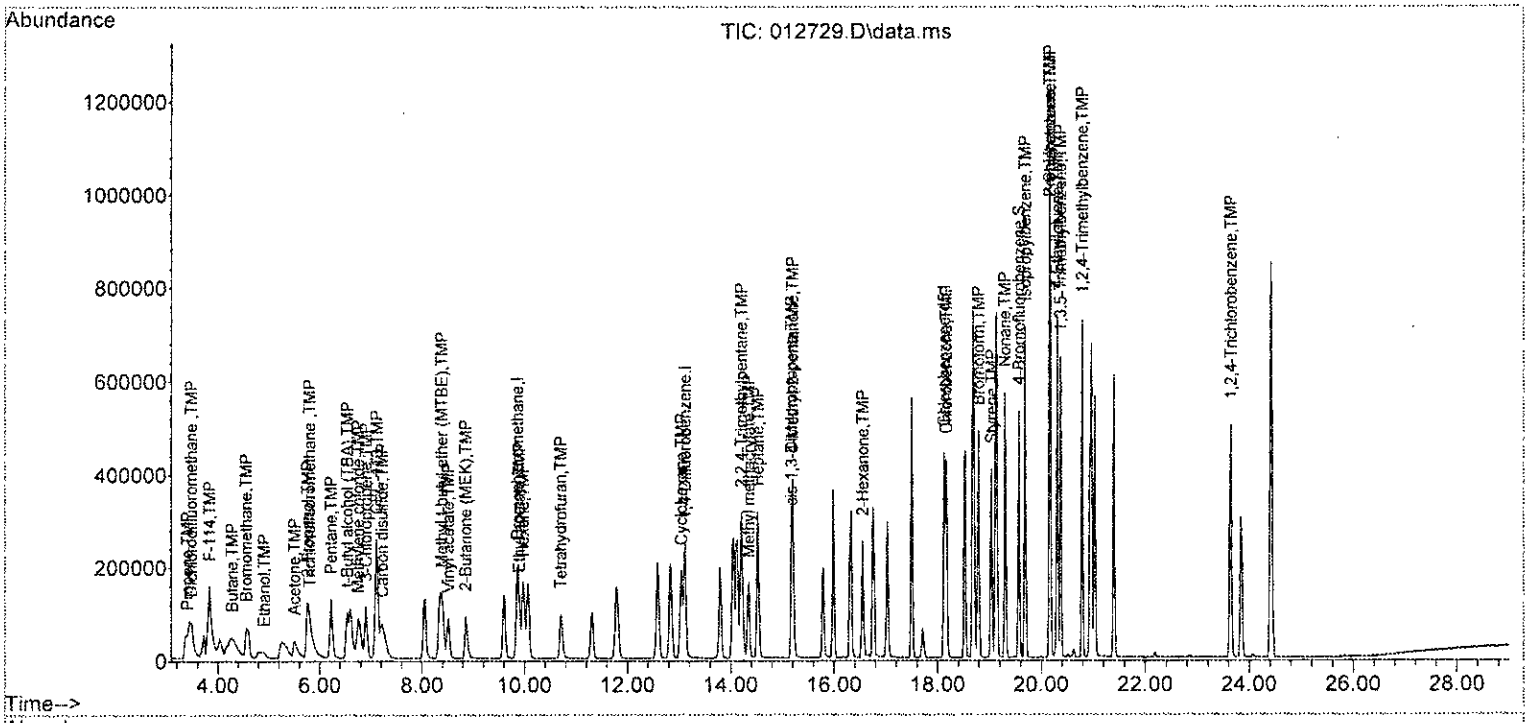
Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	71989	9.419	ppbv		84
42) 2,2,4-Trimethylpentane	14.20	57	509338	9.537	ppbv	#	100
43) Methyl methacrylate	14.35	41	147202	9.886	ppbv		98
44) Heptane	14.52	43	214890	9.876	ppbv		98
45] Bromodichloromethane	14.04	83	270908	9.100	ppbv		94
46] Trichloroethene	14.11	95	168027	8.813	ppbv		87
47) cis-1,3-Dichloropropene	15.18	75	199872	9.660	ppbv		100
48) 4-Methyl-2-pentanone	15.20	100	13503	9.649	ppbv	#	62
49] trans-1,3-Dichloropropene	15.78	75	183830	9.441	ppbv		92
50] Toluene	16.31	92	225137	9.314	ppbv		86
51] 1,1,2-Trichloroethane	15.99	83	162536	9.086	ppbv		83
52) 2-Hexanone	16.55	43	250400	10.071	ppbv		100
53] Tetrachloroethene	17.51	164	138346	8.886	ppbv		97
54] Dibromochloromethane	16.75	129	280032	9.325	ppbv		96
55] 1,2-Dibromoethane (EDB)	17.01	107	240515	8.879	ppbv		81
57) Chlorobenzene	18.16	112	301659	9.047	ppbv		98
58] Ethylbenzene	18.52	91	513068	9.049	ppbv		94
59] 1,1,2,2-Tetrachloroethane	19.11	83	383611	8.571	ppbv		93
60) Nonane	19.30	43	311458	10.577	ppbv		100
61) Isopropylbenzene	19.69	105	523574	9.677	ppbv		99
62) 2-Chlorotoluene	20.17	126	133008	9.901	ppbv		92
63) Propylbenzene	20.17	91	1040543	10.486	ppbv		98
64) 4-Ethyltoluene	20.31	105	503023	10.675	ppbv		99
65] m,p-Xylene	18.70	106	371887	20.038	ppbv		92
66] o-Xylene	19.15	106	180439	9.798	ppbv		91
67) Styrene	19.04	104	257320	10.571	ppbv		98
68) Bromoform	18.79	173	285115	9.268	ppbv		99
70] Benzyl chloride	20.93	91	351860	11.217	ppbv		89
71) 1,3,5-Trimethylbenzene	20.37	105	448097	10.053	ppbv		98
72) 1,2,4-Trimethylbenzene	20.79	105	433719	11.233	ppbv		96
73] 1,3-Dichlorobenzene	20.97	146	304811	10.339	ppbv		95
74] 1,4-Dichlorobenzene	21.03	146	282850	10.487	ppbv		87
75] 1,2-Dichlorobenzene	21.39	146	307103	10.189	ppbv		94
76) 1,2,4-Trichlorobenzene	23.64	180	245388	10.352	ppbv		99
77] Naphthalene	23.84	128	423332	10.366	ppbv		98
78] Hexachlorobutadiene	24.42	225	270762	9.115	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	0.00
2	TMP	Propene	10.000	10.263	-2.6	100	0.00
3	TMP	Dichlorodifluoromethane	10.000	9.579	4.2	100	0.00
4	TMP	Chloromethane	10.000	9.940	0.6	100	0.00
5	TMP	F-114	10.000	9.260	7.4	100	0.00
6	TMP	Vinyl chloride	10.000	9.576	4.2	100	0.00
7	TMP	1,3-Butadiene	10.000	9.958	0.4	100	0.00
8	TMP	Butane	10.000	9.988	0.1	100	0.00
9	TMP	Bromomethane	10.000	9.636	3.6	103	-0.04
10	TMP	Chloroethane	10.000	9.559	4.4	99	0.00
11	TMP	Vinyl bromide	10.000	10.592	-5.9	109	-0.02
12	TMP	Ethanol	10.000	10.957	-9.6	100	0.00
13	TMP	Acrolein	10.000	10.384	-3.8	100	-0.02
14	TMP	Pentane	10.000	9.622	3.8	100	0.00
15	TMP	Trichlorofluoromethane	10.000	9.403	6.0	102	0.00
16	TMP	Acetone	10.000	8.937	10.6	100	-0.02
17	TMP	2-Propanol	10.000	9.483	5.2	100	0.00
18	TMP	1,1-Dichloroethene	10.000	9.313	6.9	100	0.00
19	TMP	trans-1,2-Dichloroethene	10.000	9.626	3.7	100	-0.03
20	TMP	Methylene chloride	10.000	9.819	1.8	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	10.000	10.015	-0.2	100	0.00
22	TMP	3-Chloropropene	10.000	9.778	2.2	100	0.00
23	TMP	CFC-113	10.000	9.633	3.7	100	0.00
24	TMP	Carbon disulfide	10.000	9.381	6.2	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	10.000	9.625	3.8	100	-0.03
26	TMP	Vinyl acetate	10.000	10.137	-1.4	100	0.00
27	TMP	1,1-Dichloroethane	10.000	9.395	6.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	10.000	9.446	5.5	100	0.00
29	TMP	Hexane	10.000	10.043	-0.4	100	-0.02
30	TMP	Chloroform	10.000	9.219	7.8	100	0.00
31	TMP	Ethyl acetate	10.000	10.194	-1.9	100	0.00
32	TMP	Tetrahydrofuran	10.000	10.314	-3.1	100	-0.02
33	TMP	2-Butanone (MEK)	10.000	11.205	-12.1	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	10.000	9.511	4.9	100	0.00
35	TMP	1,1,1-Trichloroethane	10.000	9.333	6.7	100	-0.01
36	TMP	Carbon tetrachloride	10.000	9.481	5.2	100	0.00
37	TMP	Benzene	10.000	9.146	8.5	100	0.00
38	TMP	Cyclohexane	10.000	9.785	2.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	10.000	9.131	8.7	100	0.00
41	TMP	1,4-Dioxane	10.000	9.419	5.8	100	0.00
42	TMP	2,2,4-Trimethylpentane	10.000	9.537	4.6	100	0.00
43	TMP	Methyl methacrylate	10.000	9.886	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	10.000	9.876	1.2	100	0.00
45	TMP	Bromodichloromethane	10.000	9.100	9.0	100	0.00
46	TMP	Trichloroethene	10.000	8.813	11.9	100	0.00
47	TMP	cis-1,3-Dichloropropene	10.000	9.660	3.4	100	0.00
48	TMP	4-Methyl-2-pentanone	10.000	9.649	3.5	100	-0.02
49	TMP	trans-1,3-Dichloropropene	10.000	9.441	5.6	100	0.00
50	TMP	Toluene	10.000	9.314	6.9	100	0.00
51	TMP	1,1,2-Trichloroethane	10.000	9.086	9.1	100	0.00
52	TMP	2-Hexanone	10.000	10.071	-0.7	100	0.00
53	TMP	Tetrachloroethene	10.000	8.886	11.1	100	0.00
54	TMP	Dibromochloromethane	10.000	9.325	6.8	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	10.000	8.879	11.2	100	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
57	TMP	Chlorobenzene	10.000	9.047	9.5	100	0.00
58	TMP	Ethylbenzene	10.000	9.049	9.5	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	10.000	8.571	14.3	100	0.00
60	TMP	Nonane	10.000	10.577	-5.8	100	0.00
61	TMP	Isopropylbenzene	10.000	9.677	3.2	100	0.00
62	TMP	2-Chlorotoluene	10.000	9.901	1.0	100	0.00
63	TMP	Propylbenzene	10.000	10.486	-4.9	100	0.00
64	TMP	4-Ethyltoluene	10.000	10.675	-6.8	100	0.00
65	TMP	m,p-Xylene	20.000	20.038	-0.2	100	0.00
66	TMP	o-Xylene	10.000	9.798	2.0	100	0.00
67	TMP	Styrene	10.000	10.571	-5.7	100	0.00
68	TMP	Bromoform	10.000	9.268	7.3	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.886	-8.9	100	0.00
70	TMP	Benzyl chloride	10.000	11.217	-12.2	100	0.00
71	TMP	1,3,5-Trimethylbenzene	10.000	10.053	-0.5	100	-0.01
72	TMP	1,2,4-Trimethylbenzene	10.000	11.233	-12.3	100	0.00
73	TMP	1,3-Dichlorobenzene	10.000	10.339	-3.4	100	0.00
74	TMP	1,4-Dichlorobenzene	10.000	10.487	-4.9	100	0.00
75	TMP	1,2-Dichlorobenzene	10.000	10.189	-1.9	100	-0.01
76	TMP	1,2,4-Trichlorobenzene	10.000	10.352	-3.5	100	0.00
77	TMP	Naphthalene	10.000	10.366	-3.7	100	0.00
78	TMP	Hexachlorobutadiene	10.000	9.115	8.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	0.00
2	TMP	Propene	1.286	1.207	6.1	100	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.910	4.2	100	0.00
4	TMP	Chloromethane	1.676	1.666	0.6	100	0.00
5	TMP	F-114	4.169	3.860	7.4	100	0.00
6	TMP	Vinyl chloride	1.712	1.639	4.3	100	0.00
7	TMP	1,3-Butadiene	1.078	1.074	0.4	100	0.00
8	TMP	Butane	2.051	2.048	0.1	100	0.00
9	TMP	Bromomethane	1.696	1.634	3.7	103	-0.04
10	TMP	Chloroethane	0.634	0.606	4.4	99	0.00
11	TMP	Vinyl bromide	1.588	1.682	-5.9	109	-0.02
12	TMP	Ethanol	0.538	0.538	0.0	100	0.00
13	TMP	Acrolein	0.525	0.545	-3.8	100	-0.02
14	TMP	Pentane	2.340	2.252	3.8	100	0.00
15	TMP	Trichlorofluoromethane	4.468	4.201	6.0	102	0.00
16	TMP	Acetone	0.731	0.653	10.7	100	-0.02
17	TMP	2-Propanol	2.824	2.678	5.2	100	0.00
18	TMP	1,1-Dichloroethene	1.523	1.419	6.8	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.443	3.7	100	-0.03
20	TMP	Methylene chloride	1.441	1.415	1.8	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.364	2.367	-0.1	100	0.00
22	TMP	3-Chloropropene	1.917	1.874	2.2	100	0.00
23	TMP	CFC-113	3.382	3.257	3.7	100	0.00
24	TMP	Carbon disulfide	4.899	4.596	6.2	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.055	3.7	100	-0.03
26	TMP	Vinyl acetate	3.532	3.580	-1.4	100	0.00
27	TMP	1,1-Dichloroethane	3.205	3.011	6.1	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.537	5.5	100	0.00
29	TMP	Hexane	2.044	2.053	-0.4	100	-0.02
30	TMP	Chloroform	3.767	3.473	7.8	100	0.00
31	TMP	Ethyl acetate	3.512	3.581	-2.0	100	0.00
32	TMP	Tetrahydrofuran	1.858	1.917	-3.2	100	-0.02
33	TMP	2-Butanone (MEK)	0.538	0.603	-12.1	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.249	4.9	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	2.942	6.7	100	-0.01
36	TMP	Carbon tetrachloride	3.318	3.145	5.2	100	0.00
37	TMP	Benzene	5.322	4.868	8.5	100	0.00
38	TMP	Cyclohexane	1.294	1.266	2.2	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.507	8.6	100	0.00
41	TMP	1,4-Dioxane	0.232	0.219	5.6	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.547	4.7	100	0.00
43	TMP	Methyl methacrylate	0.452	0.447	1.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012729.D
Acq On : 28 Jan 2023 11:42 am
Operator : bat
Sample : 10 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 29 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:16:29 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

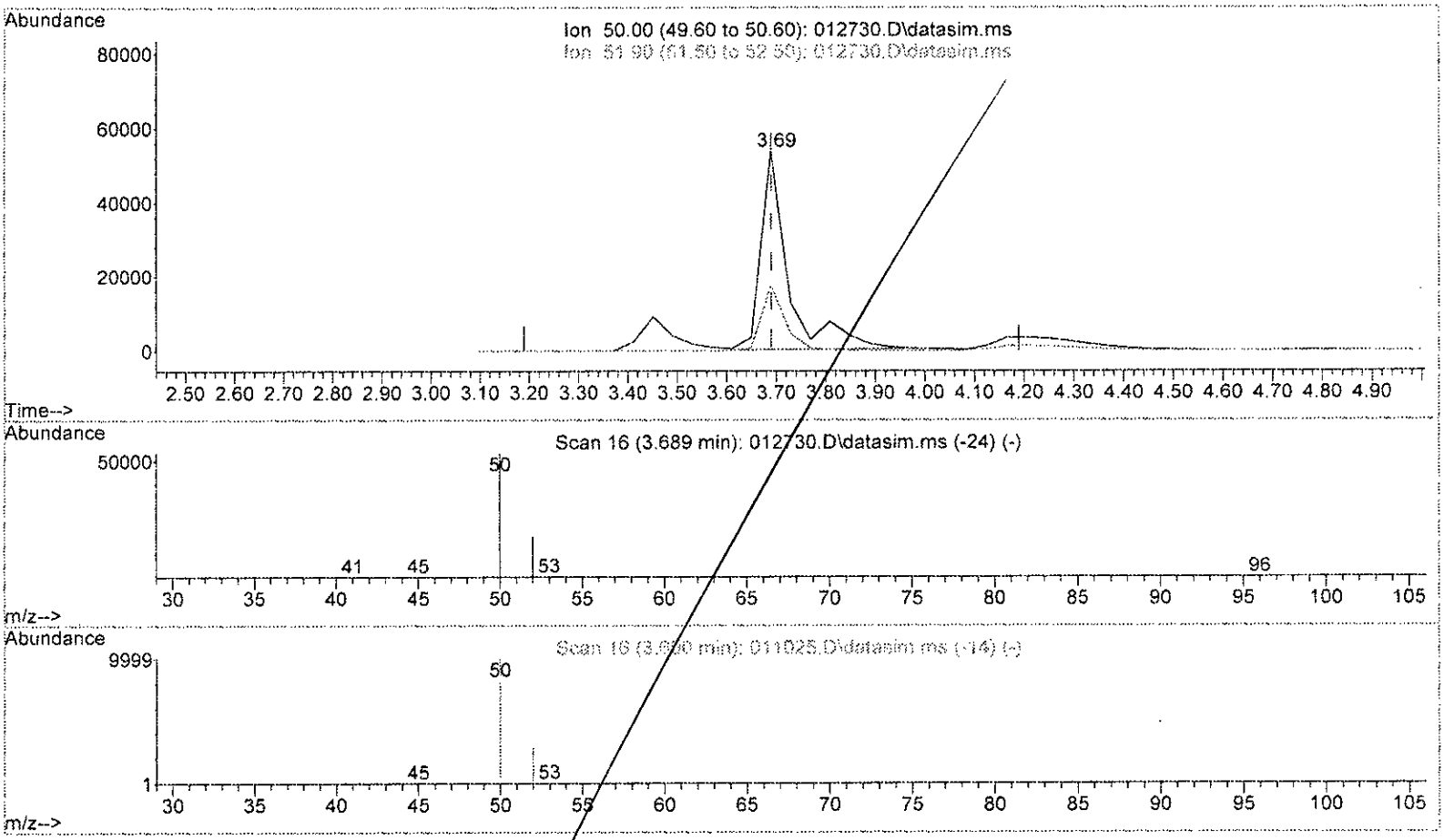
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.653	1.2	100	0.00
45	TMP	Bromodichloromethane	0.905	0.823	9.1	100	0.00
46	TMP	Trichloroethene	0.579	0.510	11.9	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.607	3.5	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	-0.02
49	TMP	trans-1,3-Dichloropropene	0.592	0.559	5.6	100	0.00
50	TMP	Toluene	0.734	0.684	6.8	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.494	9.0	100	0.00
52	TMP	2-Hexanone	0.755	0.761	-0.8	100	0.00
53	TMP	Tetrachloroethene	0.473	0.420	11.2	100	0.00
54	TMP	Dibromochloromethane	0.912	0.851	6.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.731	11.2	100	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
57	TMP	Chlorobenzene	1.151	1.041	9.6	100	0.00
58	TMP	Ethylbenzene	1.957	1.771	9.5	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.324	14.3	100	0.00
60	TMP	Nonane	1.017	1.075	-5.7	100	0.00
61	TMP	Isopropylbenzene	1.868	1.807	3.3	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.459	1.1	100	0.00
63	TMP	Propylbenzene	3.426	3.592	-4.8	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.736	-6.7	100	0.00
65	TMP	m,p-Xylene	0.641	0.642	-0.2	100	0.00
66	TMP	o-Xylene	0.636	0.623	2.0	100	0.00
67	TMP	Styrene	0.840	0.888	-5.7	100	0.00
68	TMP	Bromoform	1.062	0.984	7.3	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.723	-8.7	100	0.00
70	TMP	Benzyl chloride	1.083	1.215	-12.2	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.547	-0.5	100	-0.01
72	TMP	1,2,4-Trimethylbenzene	1.333	1.497	-12.3	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.052	-3.3	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.976	-4.8	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.060	-1.9	100	-0.01
76	TMP	1,2,4-Trichlorobenzene	0.595	0.847	-42.4#	100	0.00
77	TMP	Naphthalene	0.967	1.461	-51.1#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.935	8.8	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012730.D\data.ms

(4) Chloromethane (TMP)

3.689min (-0.001) 16.311 ppbv

response 202594

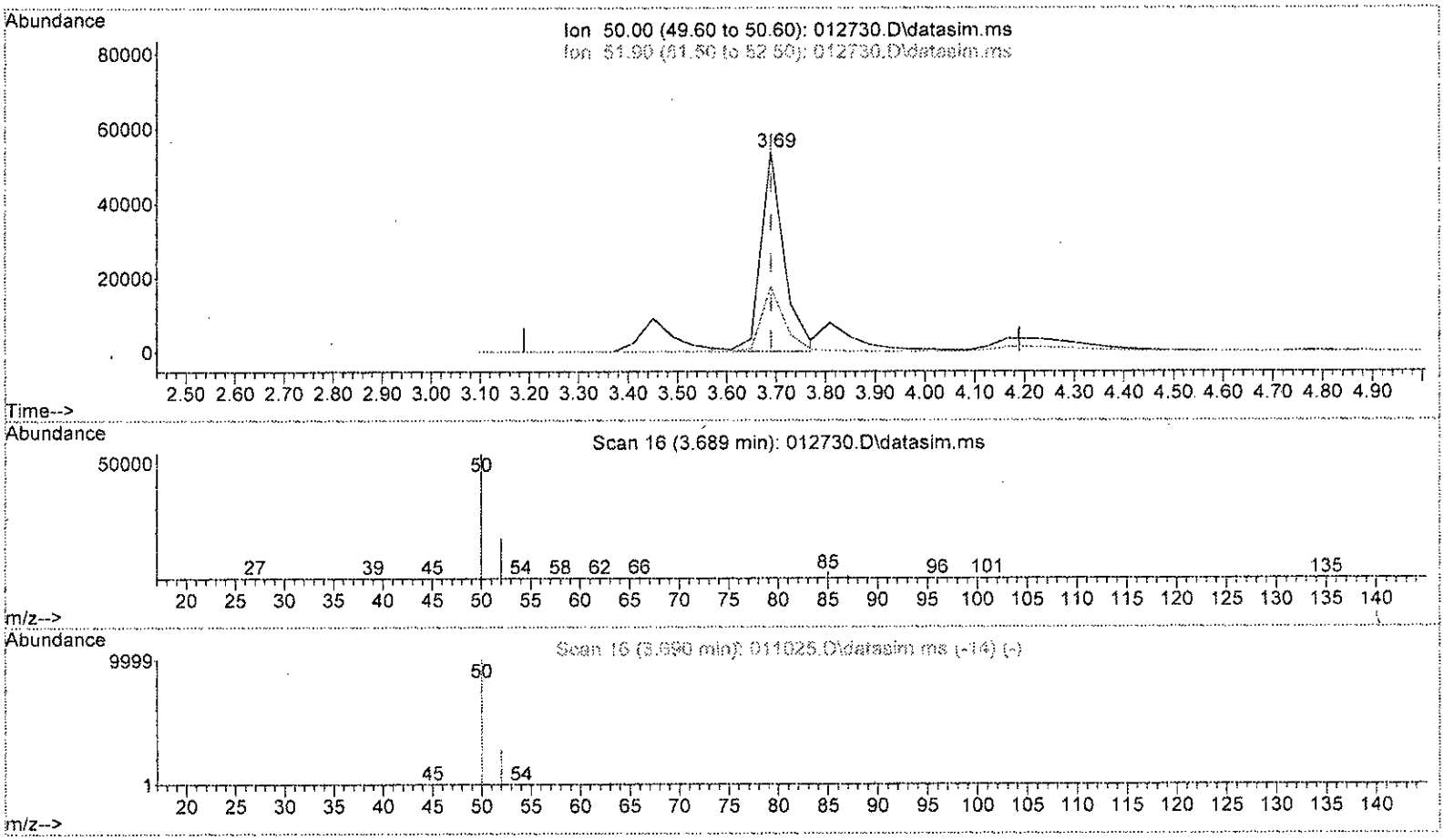
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.77
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012730.D\data.ms

(4) Chloromethane (TMP)

3.689min (-0.001) 14.135 ppbv m

response 175573

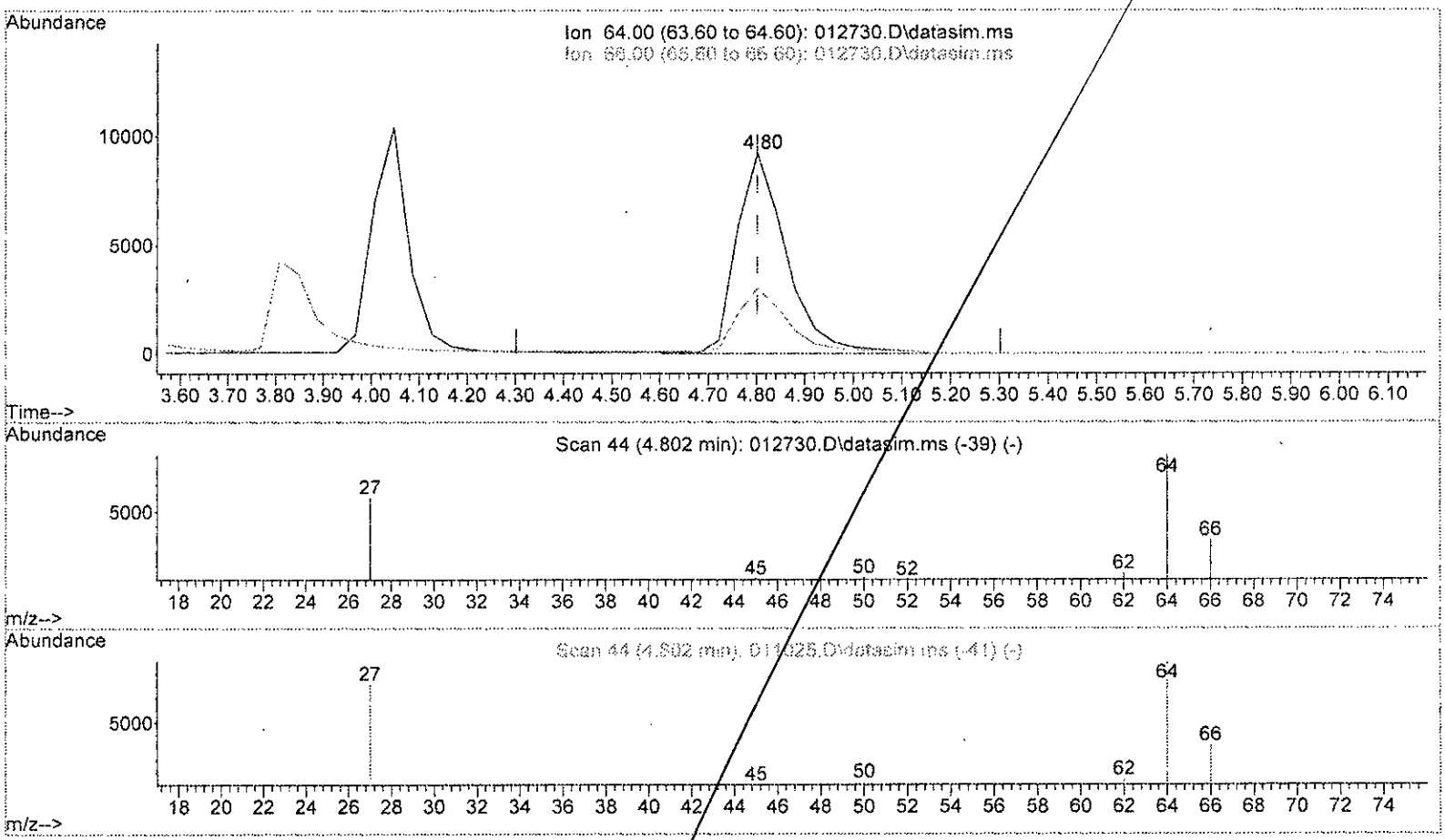
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	32.52
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012730.D\data.ms

(10) Chloroethane (TMP)
4.802min (+ 0.000) 13.521 ppbv
response 63559

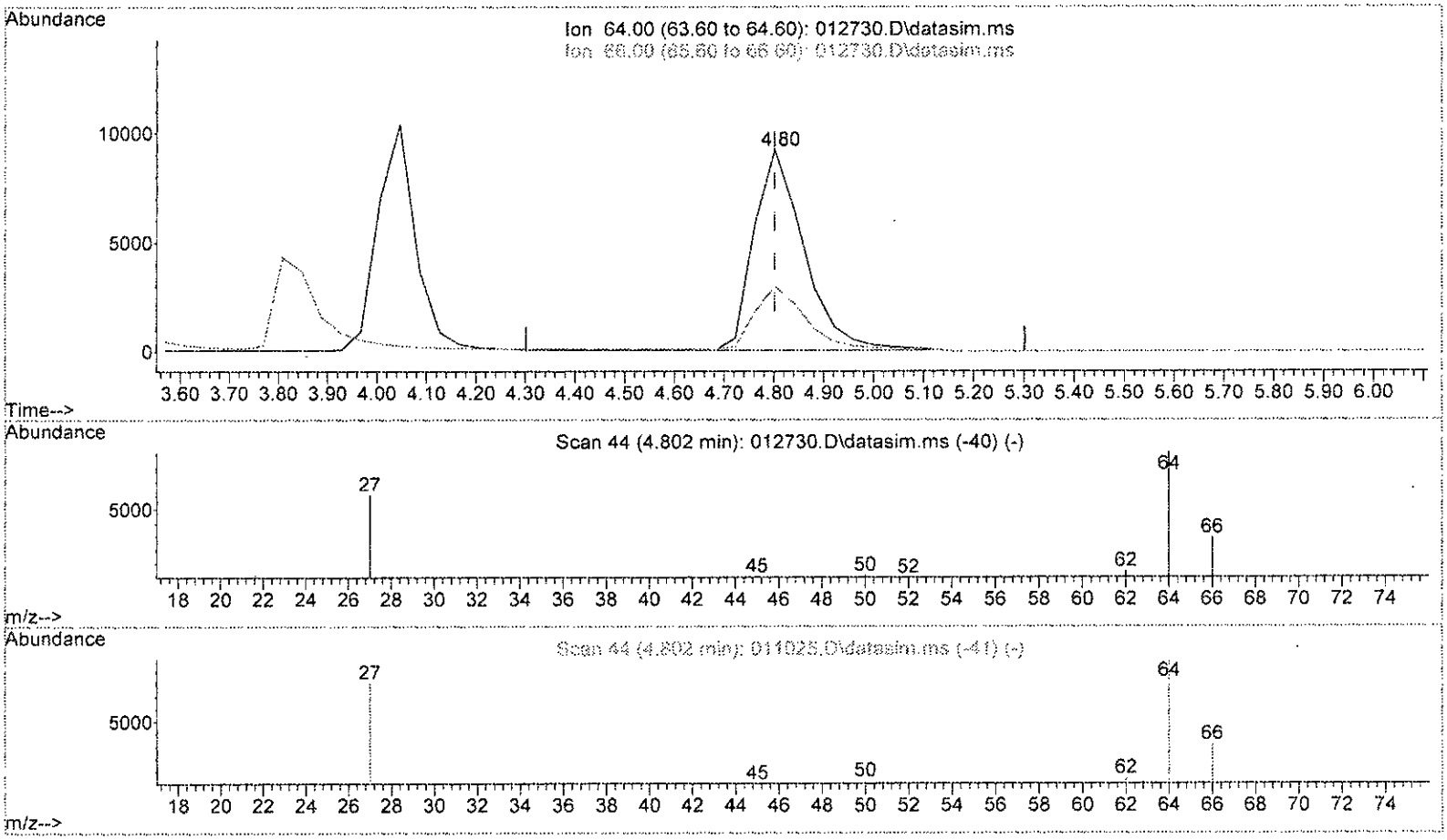
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.52
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012730.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 13.665 ppbv m

response 64234

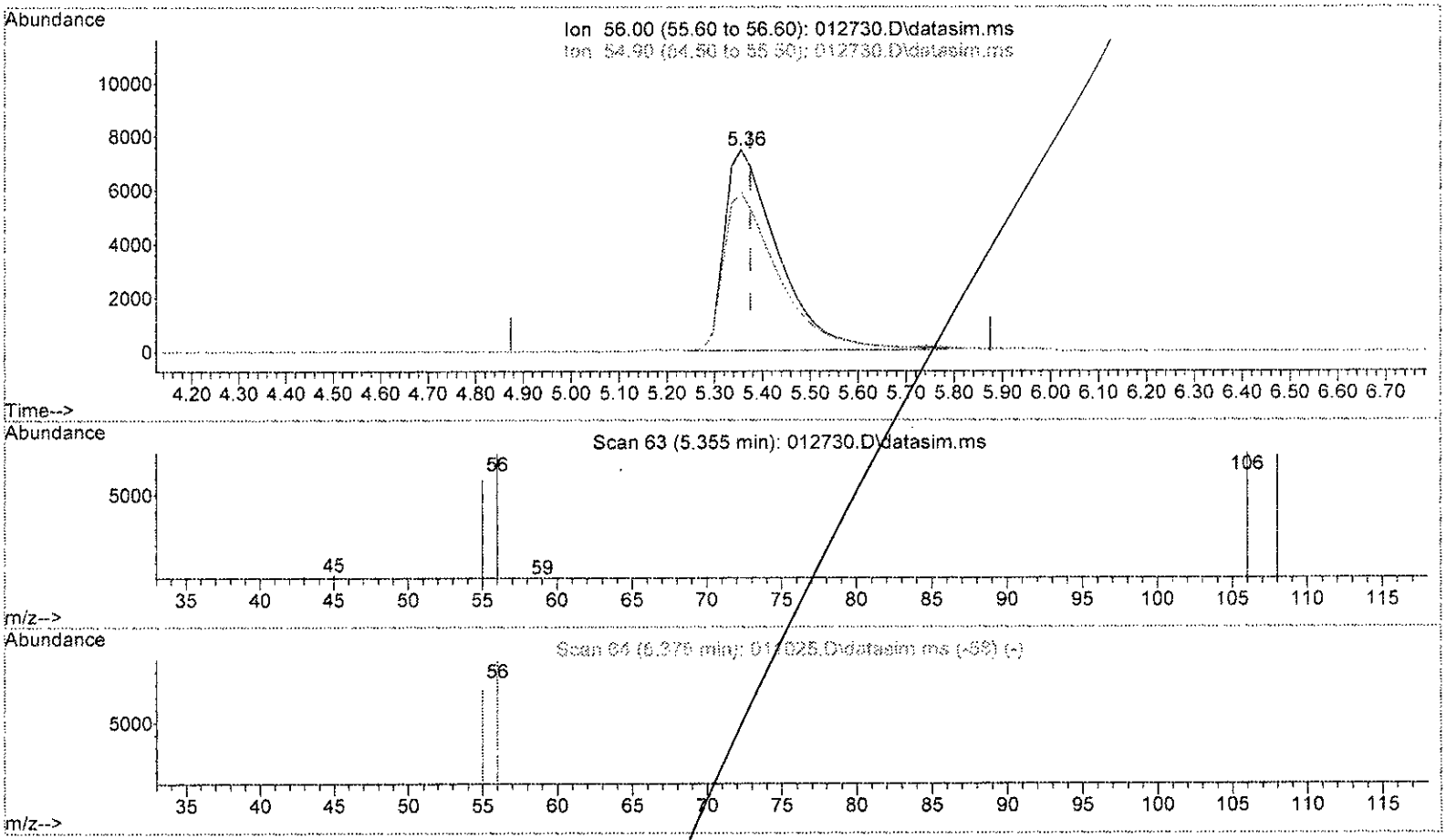
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	32.52
0.00	0.00	0.00
0.00	0.00	0.00

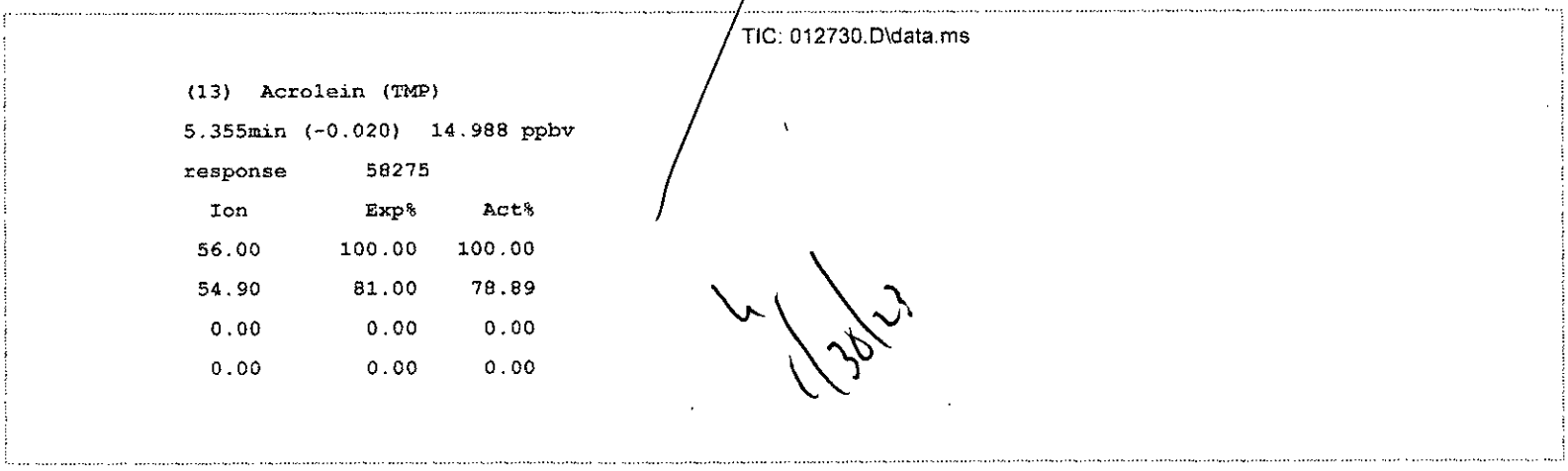
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.355min (-0.020) 14.988 ppbv

response 58275

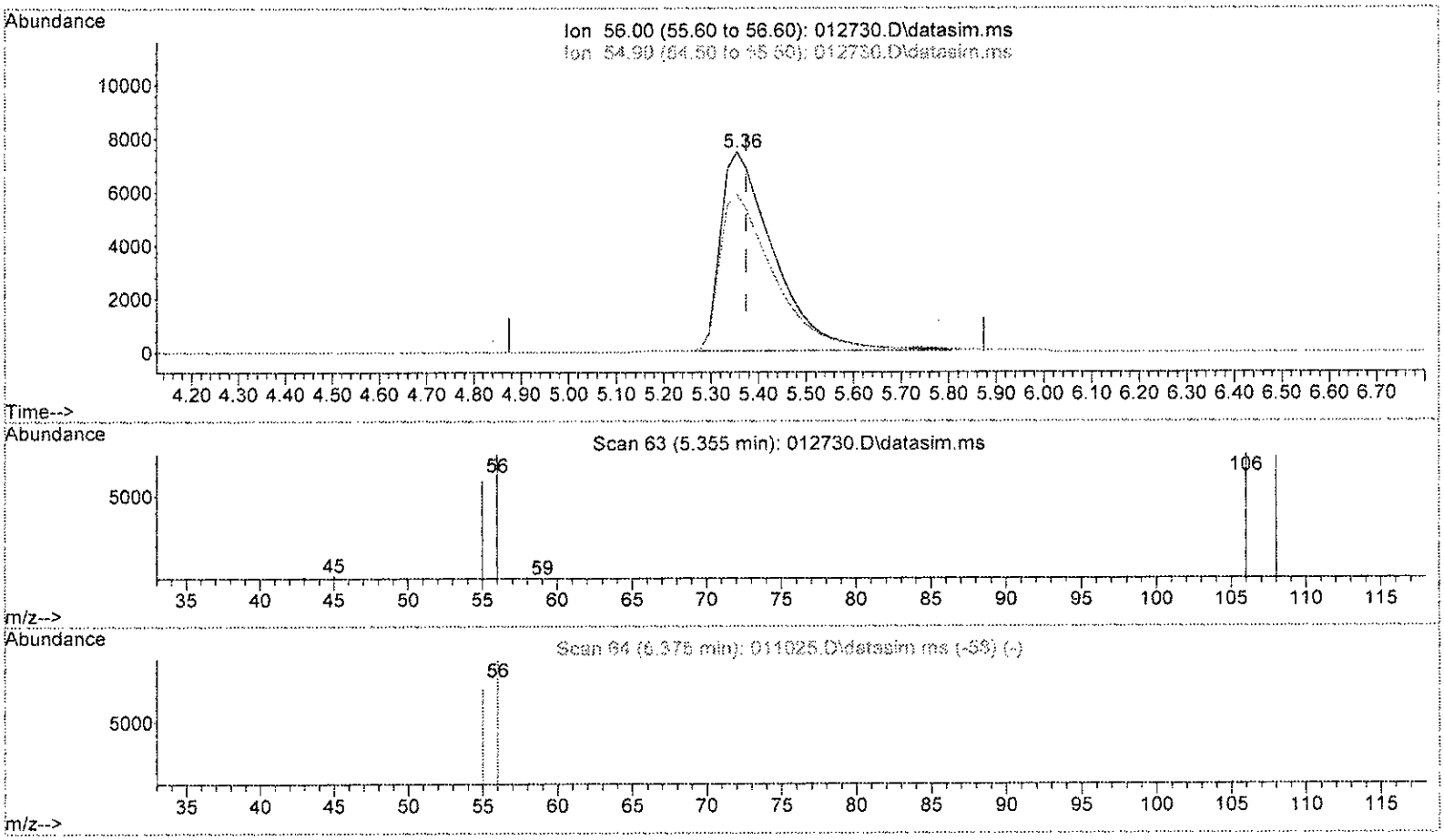
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	78.89
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012730.D\data.ms

(13) Acrolein (TMP)

5.355min (-0.020) 14.854 ppbv m

response 57756

Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	79.60
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.85	128	74129	10.000	ppbv		-0.02
39) 1,4-Difluorobenzene	13.12	114	315955	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.14	117	285096	10.000	ppbv		0.01
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.56	95	207888	10.973	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.70%				
Target Compounds							Qvalue
2) Propene	3.37	41	128206	15.387	ppbv		100
3) Dichlorodifluoromethane	3.45	85	412567	13.636	ppbv		99
4] Chloromethane	3.69	50	175573m	14.135	ppbv		
5) F-114	3.84	85	395405	12.796	ppbv		97
6] Vinyl chloride	4.05	62	172686	13.607	ppbv		98
7] 1,3-Butadiene	4.17	54	114257	14.296	ppbv	#	88
8) Butane	4.28	43	209278	13.767	ppbv		98
9) Bromomethane	4.56	94	176276	14.019	ppbv		100
10] Chloroethane	4.80	64	64234m	13.665	ppbv		
11] Vinyl bromide	5.26	106	176466	14.994	ppbv		99
12) Ethanol	4.88	45	52919	14.494	ppbv		99
13] Acrolein	5.36	56	57756m	14.854	ppbv		
14) Pentane	6.23	43	228428	13.168	ppbv		99
15) Trichlorofluoromethane	5.80	101	439493	13.270	ppbv		98
16) Acetone	5.51	58	69645	12.851	ppbv	#	80
17) 2-Propanol	5.76	45	296522	14.166	ppbv		99
18] 1,1-Dichloroethene	6.60	96	148756	13.173	ppbv		96
19] trans-1,2-Dichloroethene	8.05	96	151743	13.656	ppbv		97
20) Methylene chloride	6.75	84	144245	13.499	ppbv		97
21) t-Butyl alcohol (TBA)	6.54	59	247573	14.130	ppbv	#	71
22) 3-Chloropropene	6.91	41	200346	14.099	ppbv		93
23) CFC-113	7.12	101	331630	13.230	ppbv		97
24) Carbon disulfide	7.22	76	482155	13.276	ppbv		96
25) Methyl t-butyl ether (...	8.38	73	325786	13.847	ppbv		96
26) Vinyl acetate	8.51	43	385421	14.721	ppbv		99
27] 1,1-Dichloroethane	8.33	63	313884	13.210	ppbv		100
28] cis-1,2-Dichloroethene	9.60	96	161924	13.427	ppbv		97
29) Hexane	9.97	57	218801	14.438	ppbv		99
30] Chloroform	10.07	83	360793	12.920	ppbv		100
31) Ethyl acetate	9.88	43	346917	13.324	ppbv		99
32) Tetrahydrofuran	10.70	42	207131	15.035	ppbv		100
33) 2-Butanone (MEK)	8.85	72	60599	15.197	ppbv		100
34] 1,2-Dichloroethane (EDC)	11.31	62	235547	13.438	ppbv		99
35] 1,1,1-Trichloroethane	11.79	97	309387	13.241	ppbv		97
36] Carbon tetrachloride	12.84	117	329652	13.405	ppbv		97
37] Benzene	12.59	78	512236	12.983	ppbv		94
38) Cyclohexane	13.05	84	135140	14.089	ppbv		94
40] 1,2-Dichloropropane	13.79	63	243551	13.893	ppbv		100

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

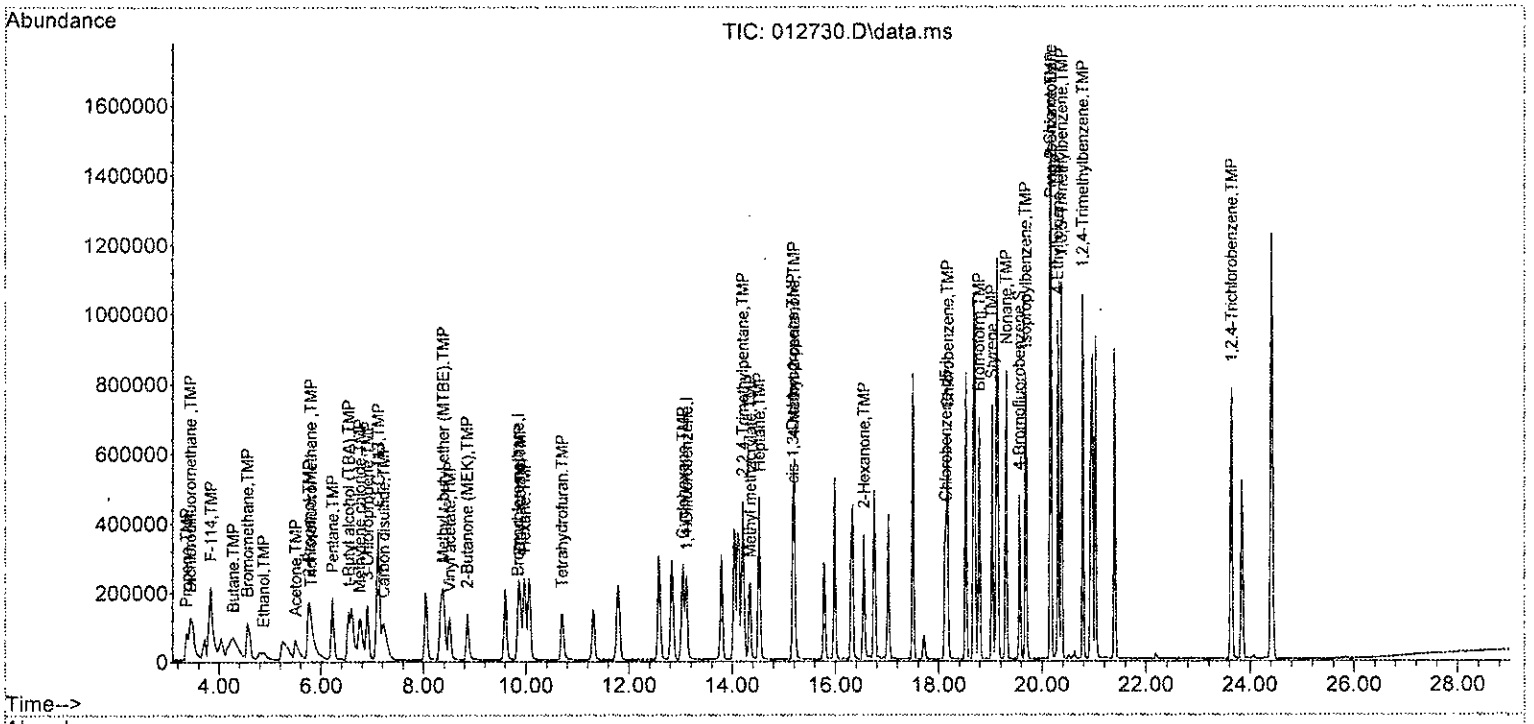
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	105865	14.430	ppbv		79
42) 2,2,4-Trimethylpentane	14.20	57	743168	14.496	ppbv	#	97
43) Methyl methacrylate	14.35	41	216943	15.179	ppbv		96
44) Heptane	14.52	43	316679	15.162	ppbv		99
45] Bromodichloromethane	14.04	83	391538	13.700	ppbv		93
46] Trichloroethene	14.11	95	241497	13.196	ppbv		88
47) cis-1,3-Dichloropropene	15.18	75	294793	14.842	ppbv		99
48) 4-Methyl-2-pentanone	15.20	100	20969	15.609	ppbv	#	81
49] trans-1,3-Dichloropropene	15.78	75	274063	14.663	ppbv		93
50] Toluene	16.31	92	328153	14.142	ppbv		85
51] 1,1,2-Trichloroethane	15.99	83	234271	13.643	ppbv		81
52) 2-Hexanone	16.55	43	369078	15.464	ppbv		99
53] Tetrachloroethene	17.51	164	200229	13.398	ppbv		99
54] Dibromochloromethane	16.75	129	403257	13.989	ppbv		95
55] 1,2-Dibromoethane (EDB)	17.01	107	349587	13.445	ppbv		82
57) Chlorobenzene	18.17	112	441577	13.457	ppbv		98
58] Ethylbenzene	18.51	91	746823	13.384	ppbv		98
59] 1,1,2,2-Tetrachloroethane	19.12	83	543414	12.337	ppbv		95
60) Nonane	19.31	43	457406	15.783	ppbv		99
61) Isopropylbenzene	19.68	105	758709	14.248	ppbv		99
62) 2-Chlorotoluene	20.16	126	194764	14.731	ppbv		89
63) Propylbenzene	20.17	91	1500471	15.364	ppbv		99
64) 4-Ethyltoluene	20.30	105	757586	16.335	ppbv		100
65] m,p-Xylene	18.69	106	543111	29.734	ppbv		92
66] o-Xylene	19.14	106	259725	14.330	ppbv		99
67) Styrene	19.04	104	382513	15.968	ppbv		98
68) Bromoform	18.78	173	412552	13.626	ppbv		99
70] Benzyl chloride	20.93	91	522936	16.939	ppbv		97
71) 1,3,5-Trimethylbenzene	20.38	105	641633	14.627	ppbv		98
72) 1,2,4-Trimethylbenzene	20.78	105	649618	17.096	ppbv		97
73] 1,3-Dichlorobenzene	20.96	146	457579	15.771	ppbv		97
74] 1,4-Dichlorobenzene	21.04	146	403740	15.210	ppbv		99
75] 1,2-Dichlorobenzene	21.40	146	446584	15.055	ppbv		96
76) 1,2,4-Trichlorobenzene	23.64	180	387067	14.651	ppbv		100
77] Naphthalene	23.84	128	713861	14.505	ppbv		98
78] Hexachlorobutadiene	24.42	225	397554	13.599	ppbv		99

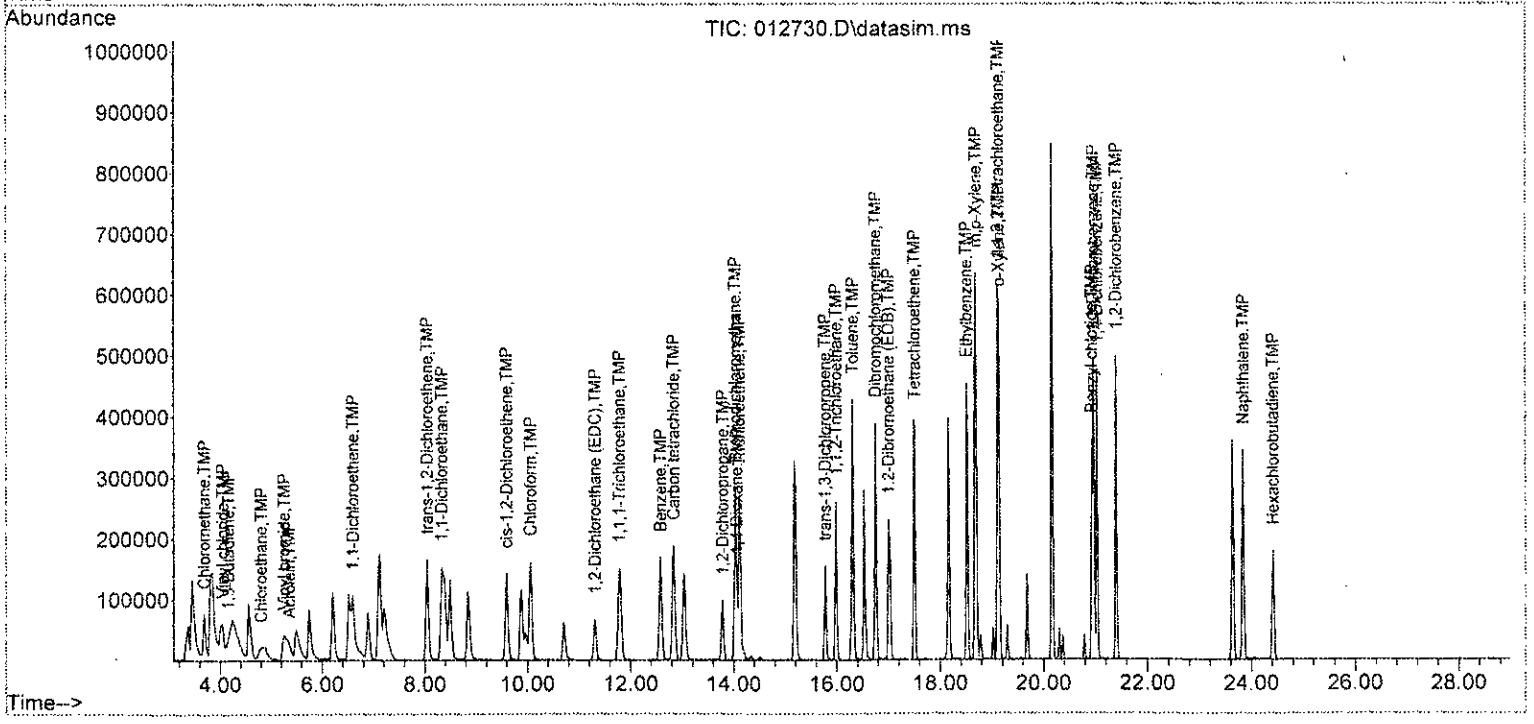
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	100	-0.02
2	TMP	Propene	15.000	15.387	-2.6	100	-0.04
3	TMP	Dichlorodifluoromethane	15.000	13.636	9.1	100	-0.04
4	TMP	Chloromethane	15.000	14.135	5.8	102	0.00
5	TMP	F-114	15.000	12.796	14.7	100	0.00
6	TMP	Vinyl chloride	15.000	13.607	9.3	100	0.00
7	TMP	1,3-Butadiene	15.000	14.296	4.7	100	0.00
8	TMP	Butane	15.000	13.767	8.2	100	0.00
9	TMP	Bromomethane	15.000	14.019	6.5	100	-0.04
10	TMP	Chloroethane	15.000	13.665	8.9	101	0.00
11	TMP	Vinyl bromide	15.000	14.994	0.0	109	-0.02
12	TMP	Ethanol	15.000	14.494	3.4	100	-0.04
13	TMP	Acrolein	15.000	14.854	1.0	99	-0.02
14	TMP	Pentane	15.000	13.168	12.2	100	0.00
15	TMP	Trichlorofluoromethane	15.000	13.270	11.5	100	0.00
16	TMP	Acetone	15.000	12.851	14.3	100	-0.02
17	TMP	2-Propanol	15.000	14.166	5.6	99	0.00
18	TMP	1,1-Dichloroethene	15.000	13.173	12.2	100	0.00
19	TMP	trans-1,2-Dichloroethene	15.000	13.656	9.0	100	-0.03
20	TMP	Methylene chloride	15.000	13.499	10.0	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	15.000	14.130	5.8	100	0.00
22	TMP	3-Chloropropene	15.000	14.099	6.0	100	0.00
23	TMP	CFC-113	15.000	13.230	11.8	100	0.00
24	TMP	Carbon disulfide	15.000	13.276	11.5	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	15.000	13.847	7.7	100	-0.03
26	TMP	Vinyl acetate	15.000	14.721	1.9	100	0.00
27	TMP	1,1-Dichloroethane	15.000	13.210	11.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	15.000	13.427	10.5	100	0.00
29	TMP	Hexane	15.000	14.438	3.7	100	-0.02
30	TMP	Chloroform	15.000	12.920	13.9	100	0.00
31	TMP	Ethyl acetate	15.000	13.324	11.2	100	-0.02
32	TMP	Tetrahydrofuran	15.000	15.035	-0.2	100	-0.03
33	TMP	2-Butanone (MEK)	15.000	15.197	-1.3	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	15.000	13.438	10.4	100	0.00
35	TMP	1,1,1-Trichloroethane	15.000	13.241	11.7	100	-0.01
36	TMP	Carbon tetrachloride	15.000	13.405	10.6	100	0.00
37	TMP	Benzene	15.000	12.983	13.4	100	0.00
38	TMP	Cyclohexane	15.000	14.089	6.1	100	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	15.000	13.893	7.4	100	0.00
41	TMP	1,4-Dioxane	15.000	14.430	3.8	100	0.00
42	TMP	2,2,4-Trimethylpentane	15.000	14.496	3.4	100	0.00
43	TMP	Methyl methacrylate	15.000	15.179	-1.2	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	15.000	15.162	-1.1	100	0.00
45	TMP	Bromodichloromethane	15.000	13.700	8.7	100	0.00
46	TMP	Trichloroethene	15.000	13.196	12.0	100	0.00
47	TMP	cis-1,3-Dichloropropene	15.000	14.842	1.1	100	0.00
48	TMP	4-Methyl-2-pentanone	15.000	15.609	-4.1	100	-0.02
49	TMP	trans-1,3-Dichloropropene	15.000	14.663	2.2	100	0.00
50	TMP	Toluene	15.000	14.142	5.7	100	0.00
51	TMP	1,1,2-Trichloroethane	15.000	13.643	9.0	100	0.00
52	TMP	2-Hexanone	15.000	15.464	-3.1	100	0.00
53	TMP	Tetrachloroethene	15.000	13.398	10.7	100	0.00
54	TMP	Dibromochloromethane	15.000	13.989	6.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	15.000	13.445	10.4	100	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.01
57	TMP	Chlorobenzene	15.000	13.457	10.3	100	0.01
58	TMP	Ethylbenzene	15.000	13.384	10.8	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	15.000	12.337	17.8	100	0.01
60	TMP	Nonane	15.000	15.783	-5.2	100	0.01
61	TMP	Isopropylbenzene	15.000	14.248	5.0	100	0.00
62	TMP	2-Chlorotoluene	15.000	14.731	1.8	100	0.00
63	TMP	Propylbenzene	15.000	15.364	-2.4	100	0.00
64	TMP	4-Ethyltoluene	15.000	16.335	-8.9	100	0.00
65	TMP	m,p-Xylene	30.000	29.734	0.9	100	0.00
66	TMP	o-Xylene	15.000	14.330	4.5	100	0.00
67	TMP	Styrene	15.000	15.968	-6.5	100	0.00
68	TMP	Bromoform	15.000	13.626	9.2	100	0.00
69	S	4-Bromofluorobenzene	10.000	10.973	-9.7	100	0.00
70	TMP	Benzyl chloride	15.000	16.939	-12.9	100	0.00
71	TMP	1,3,5-Trimethylbenzene	15.000	14.627	2.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	15.000	17.096	-14.0	100	0.00
73	TMP	1,3-Dichlorobenzene	15.000	15.771	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	15.000	15.210	-1.4	100	0.00
75	TMP	1,2-Dichlorobenzene	15.000	15.055	-0.4	100	0.00
76	TMP	1,2,4-Trichlorobenzene	15.000	14.651	2.3	100	0.00
77	TMP	Naphthalene	15.000	14.505	3.3	100	0.00
78	TMP	Hexachlorobutadiene	15.000	13.599	9.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	100	-0.02
2	TMP	Propene	1.286	1.153	10.3	100	-0.04
3	TMP	Dichlorodifluoromethane	4.081	3.710	9.1	100	-0.04
4	TMP	Chloromethane	1.676	1.579	5.8	102	0.00
5	TMP	F-114	4.169	3.556	14.7	100	0.00
6	TMP	Vinyl chloride	1.712	1.553	9.3	100	0.00
7	TMP	1,3-Butadiene	1.078	1.028	4.6	100	0.00
8	TMP	Butane	2.051	1.882	8.2	100	0.00
9	TMP	Bromomethane	1.696	1.585	6.5	100	-0.04
10	TMP	Chloroethane	0.634	0.578	8.8	101	0.00
11	TMP	Vinyl bromide	1.588	1.587	0.1	109	-0.02
12	TMP	Ethanol	0.538	0.476	11.5	100	-0.04
13	TMP	Acrolein	0.525	0.519	1.1	99	-0.02
14	TMP	Pentane	2.340	2.054	12.2	100	0.00
15	TMP	Trichlorofluoromethane	4.468	3.953	11.5	100	0.00
16	TMP	Acetone	0.731	0.626	14.4	100	-0.02
17	TMP	2-Propanol	2.824	2.667	5.6	99	0.00
18	TMP	1,1-Dichloroethene	1.523	1.338	12.1	100	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.365	8.9	100	-0.03
20	TMP	Methylene chloride	1.441	1.297	10.0	100	-0.03
21	TMP	t-Butyl alcohol (TBA)	2.364	2.227	5.8	100	0.00
22	TMP	3-Chloropropene	1.917	1.802	6.0	100	0.00
23	TMP	CFC-113	3.382	2.982	11.8	100	0.00
24	TMP	Carbon disulfide	4.899	4.336	11.5	100	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	2.930	7.7	100	-0.03
26	TMP	Vinyl acetate	3.532	3.466	1.9	100	0.00
27	TMP	1,1-Dichloroethane	3.205	2.823	11.9	100	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.456	10.5	100	0.00
29	TMP	Hexane	2.044	1.968	3.7	100	-0.02
30	TMP	Chloroform	3.767	3.245	13.9	100	0.00
31	TMP	Ethyl acetate	3.512	3.120	11.2	100	-0.02
32	TMP	Tetrahydrofuran	1.858	1.863	-0.3	100	-0.03
33	TMP	2-Butanone (MEK)	0.538	0.545	-1.3	100	-0.03
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.118	10.4	100	0.00
35	TMP	1,1,1-Trichloroethane	3.152	2.782	11.7	100	-0.01
36	TMP	Carbon tetrachloride	3.318	2.965	10.6	100	0.00
37	TMP	Benzene	5.322	4.607	13.4	100	0.00
38	TMP	Cyclohexane	1.294	1.215	6.1	100	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
40	TMP	1,2-Dichloropropane	0.555	0.514	7.4	100	0.00
41	TMP	1,4-Dioxane	0.232	0.223	3.9	100	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.568	3.4	100	0.00
43	TMP	Methyl methacrylate	0.452	0.458	-1.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012730.D
Acq On : 28 Jan 2023 12:21 pm
Operator : bat
Sample : 15 ppbv TO15 68-108-a
Misc : cal line
ALS Vial : 30 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:19:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

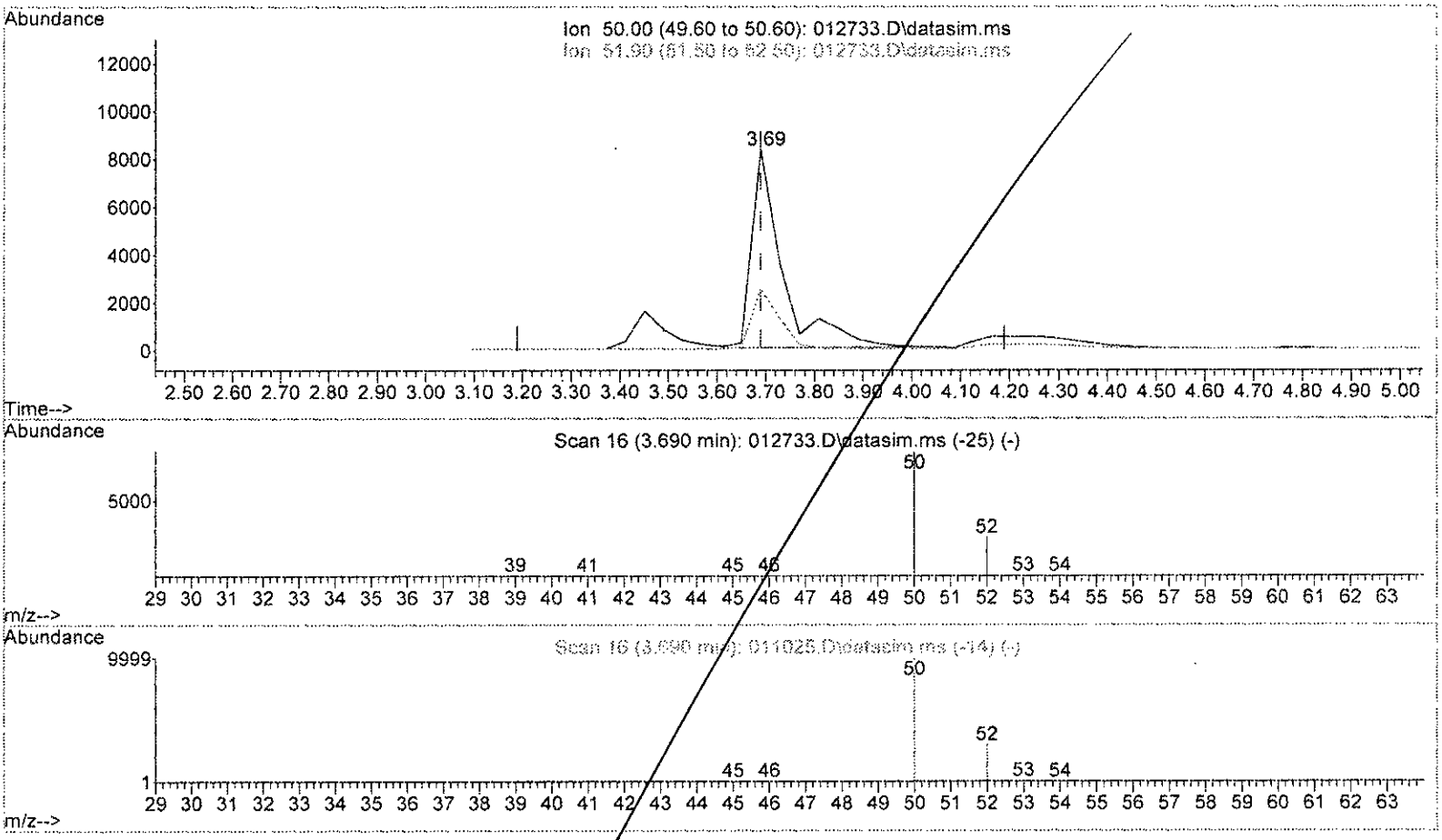
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.668	-1.1	100	0.00
45	TMP	Bromodichloromethane	0.905	0.826	8.7	100	0.00
46	TMP	Trichloroethene	0.579	0.510	11.9	100	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.622	1.1	100	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.044	-2.3	100	-0.02
49	TMP	trans-1,3-Dichloropropene	0.592	0.578	2.4	100	0.00
50	TMP	Toluene	0.734	0.692	5.7	100	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.494	9.0	100	0.00
52	TMP	2-Hexanone	0.755	0.779	-3.2	100	0.00
53	TMP	Tetrachloroethene	0.473	0.422	10.8	100	0.00
54	TMP	Dibromochloromethane	0.912	0.851	6.7	100	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.738	10.3	100	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.01
57	TMP	Chlorobenzene	1.151	1.033	10.3	100	0.01
58	TMP	Ethylbenzene	1.957	1.746	10.8	100	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.271	17.7	100	0.01
60	TMP	Nonane	1.017	1.070	-5.2	100	0.01
61	TMP	Isopropylbenzene	1.868	1.774	5.0	100	0.00
62	TMP	2-Chlorotoluene	0.464	0.455	1.9	100	0.00
63	TMP	Propylbenzene	3.426	3.509	-2.4	100	0.00
64	TMP	4-Ethyltoluene	1.627	1.772	-8.9	100	0.00
65	TMP	m,p-Xylene	0.641	0.635	0.9	100	0.00
66	TMP	o-Xylene	0.636	0.607	4.6	100	0.00
67	TMP	Styrene	0.840	0.894	-6.4	100	0.00
68	TMP	Bromoform	1.062	0.965	9.1	100	0.00
69	S	4-Bromofluorobenzene	0.665	0.729	-9.6	100	0.00
70	TMP	Benzyl chloride	1.083	1.223	-12.9	100	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.500	2.5	100	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.519	-14.0	100	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.070	-5.1	100	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.944	-1.4	100	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.044	-0.4	100	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.905	-52.1#	100	0.00
77	TMP	Naphthalene	0.967	1.669	-72.6#	100	0.00
78	TMP	Hexachlorobutadiene	1.025	0.930	9.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 2.949 ppbv

response 36141

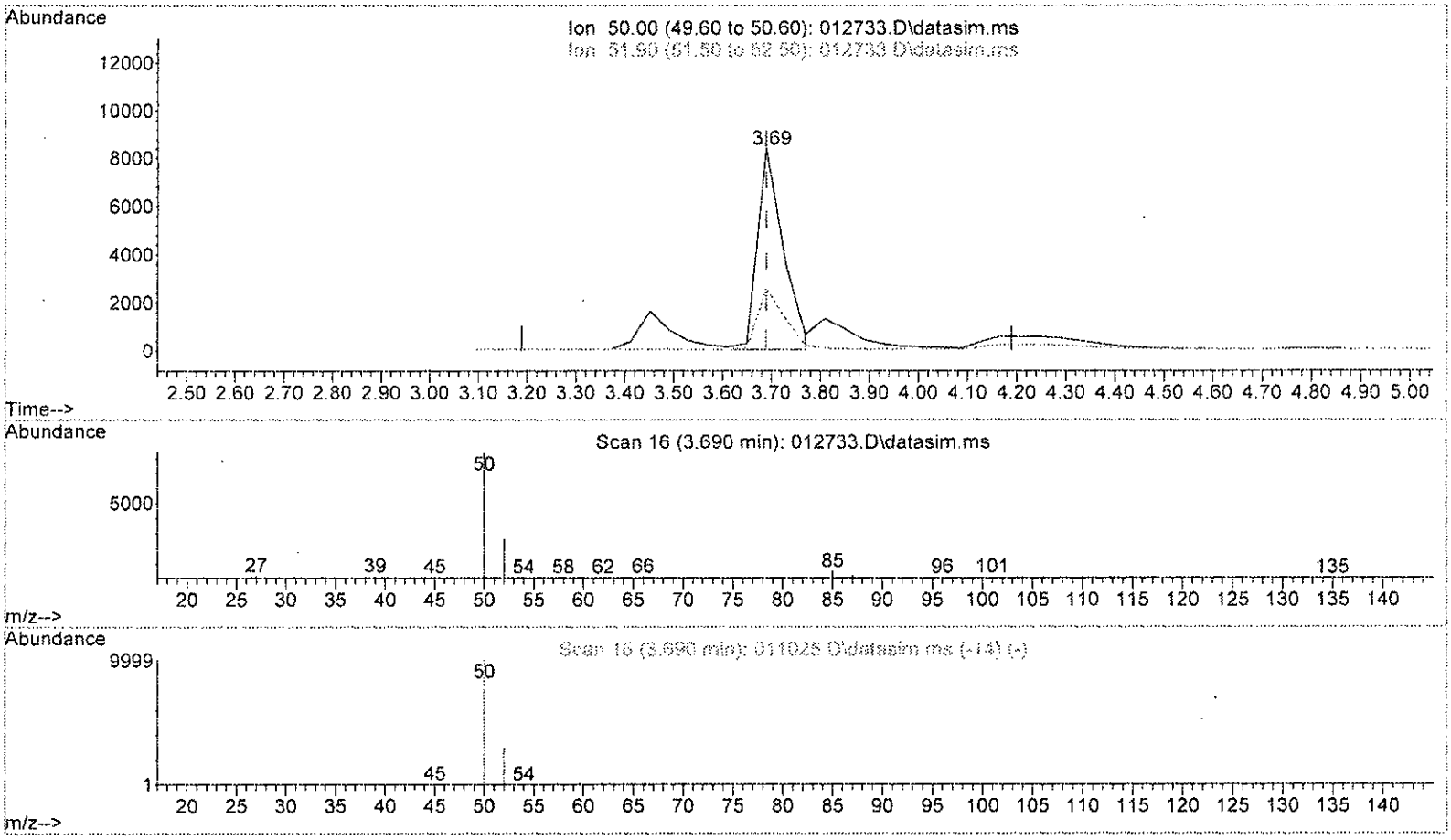
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.62
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(4) Chloromethane (TMP)

3.690min (-0.000) 2.480 ppbv m

response 30390

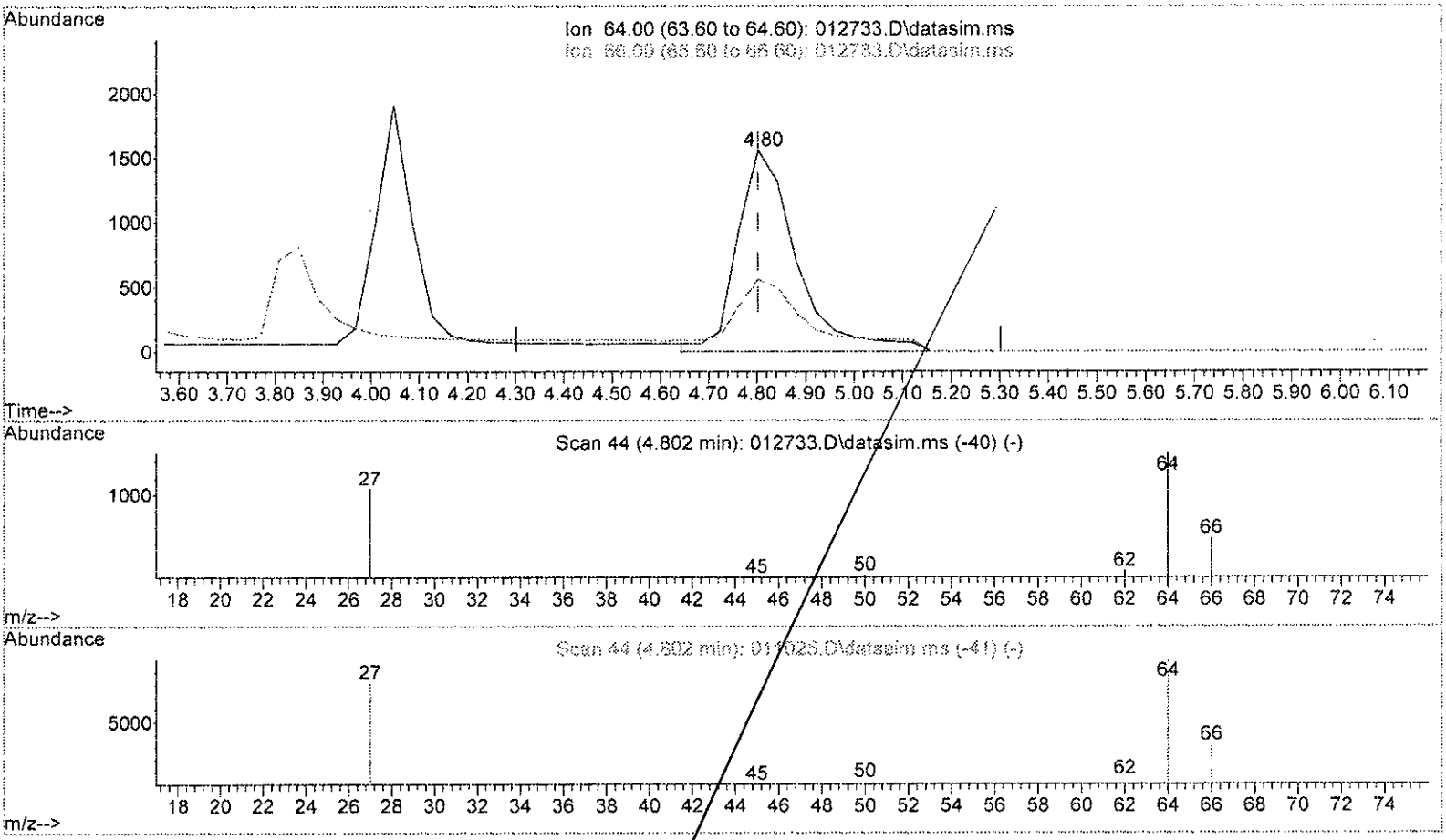
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	30.85
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 2.731 ppbv

response 12668

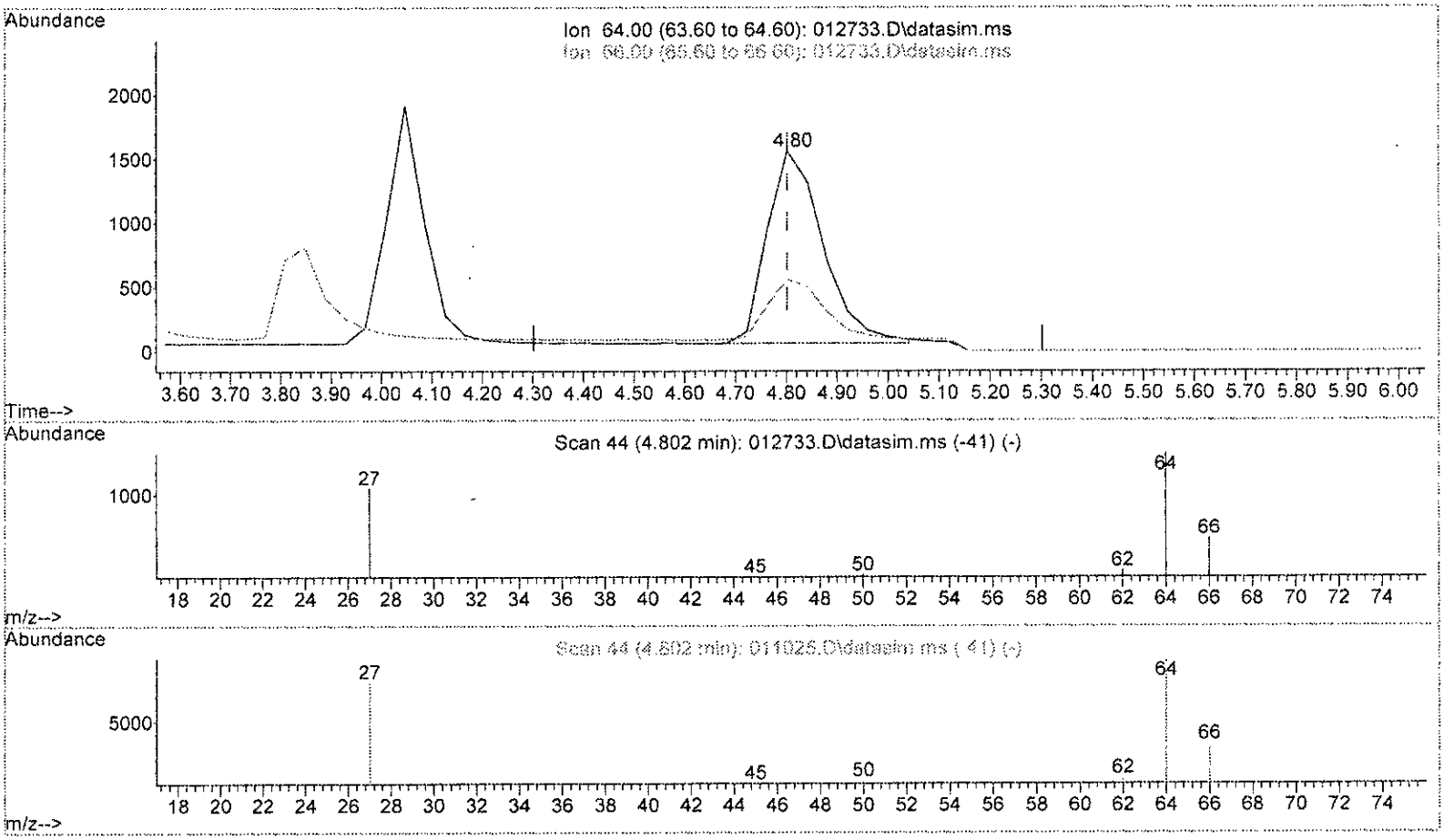
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.66
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(10) Chloroethane (TMP)

4.802min (+ 0.000) 2.450 ppbv m

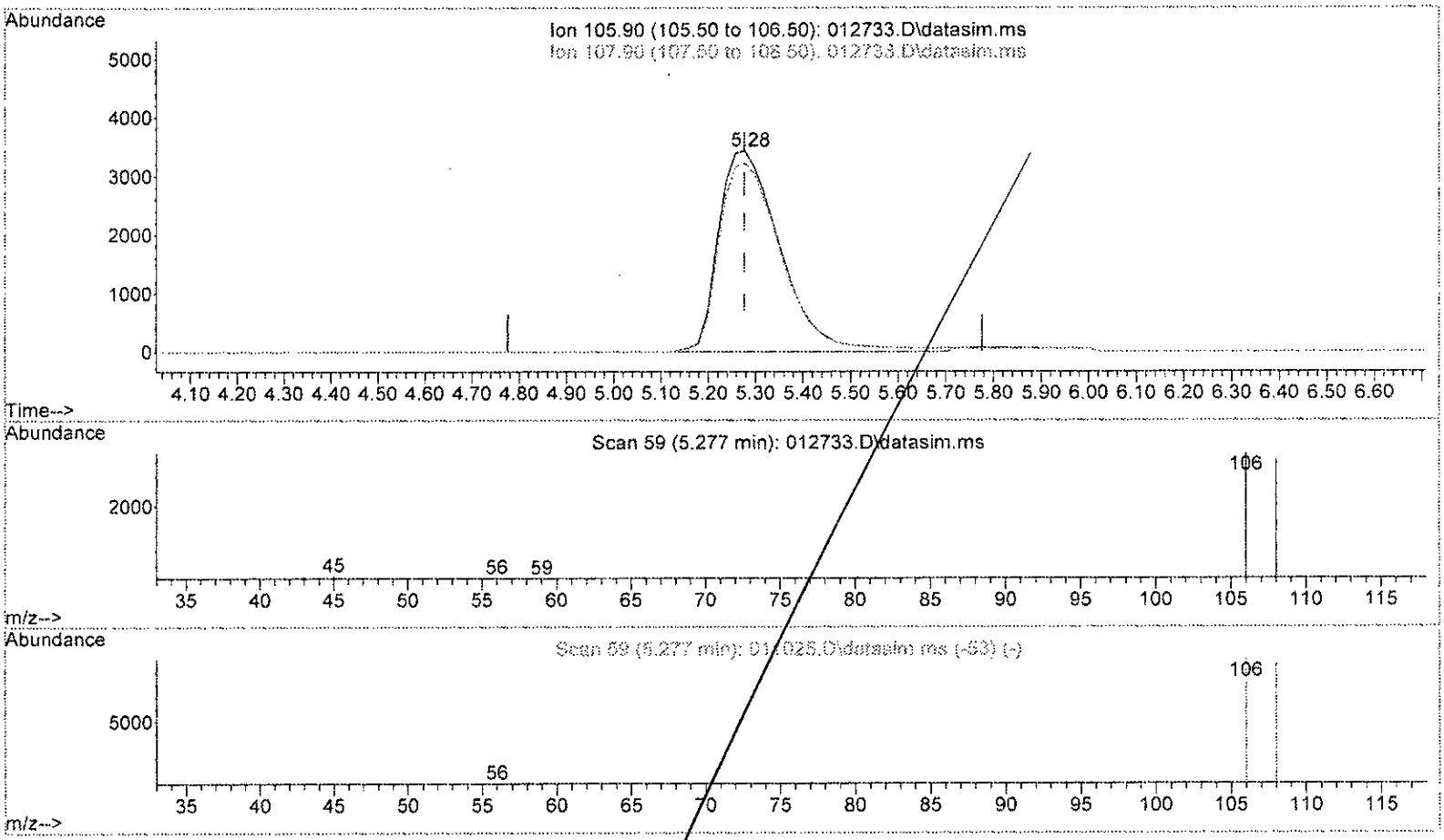
response 11361

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	35.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(11) Vinyl bromide (TMP)
5.277min (+ 0.000) 2.858 ppbv
response 33189

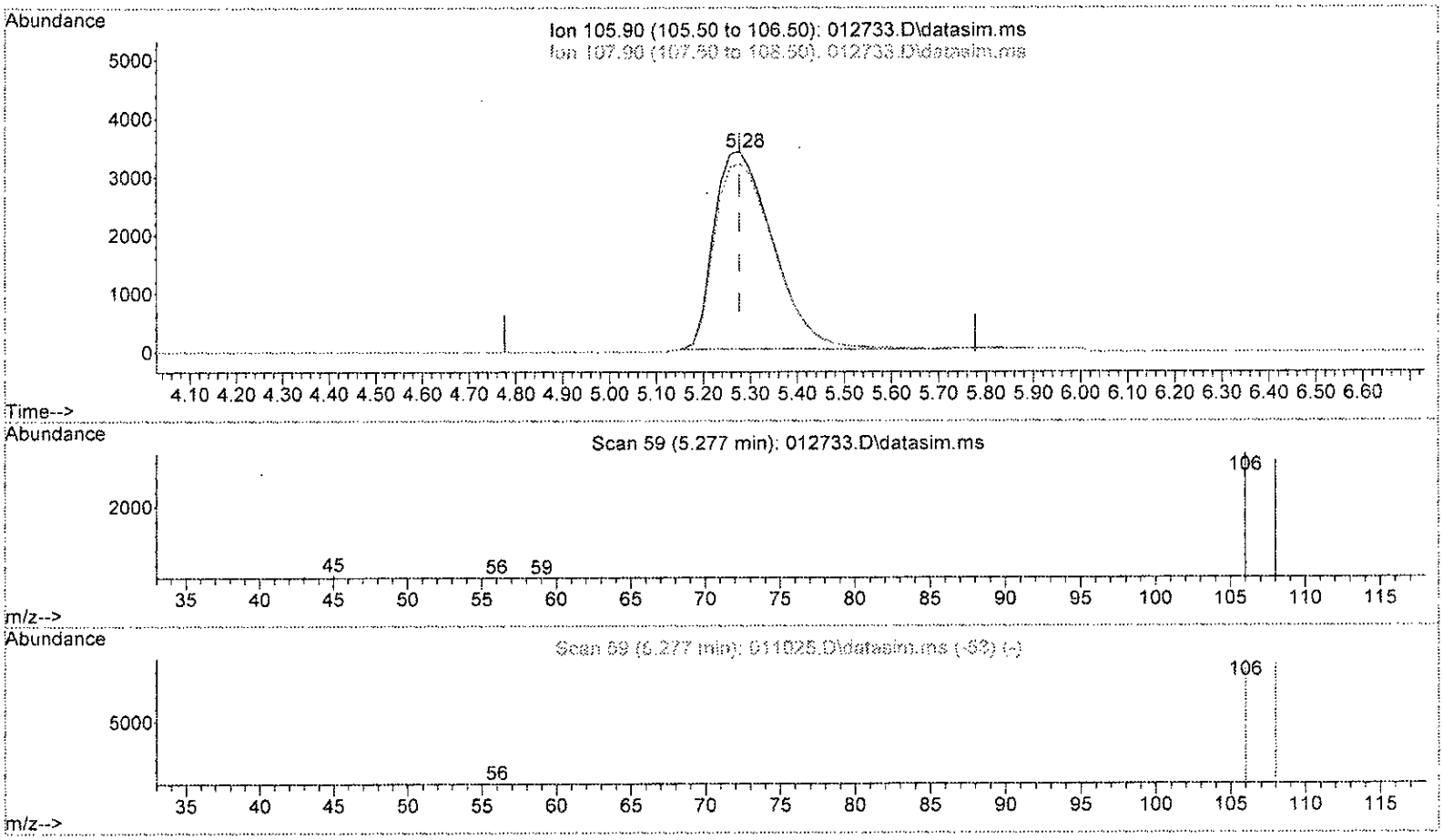
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.77
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(11) Vinyl bromide (TMP)
5.277min (+ 0.000) 2.540 ppbv m
response 29499

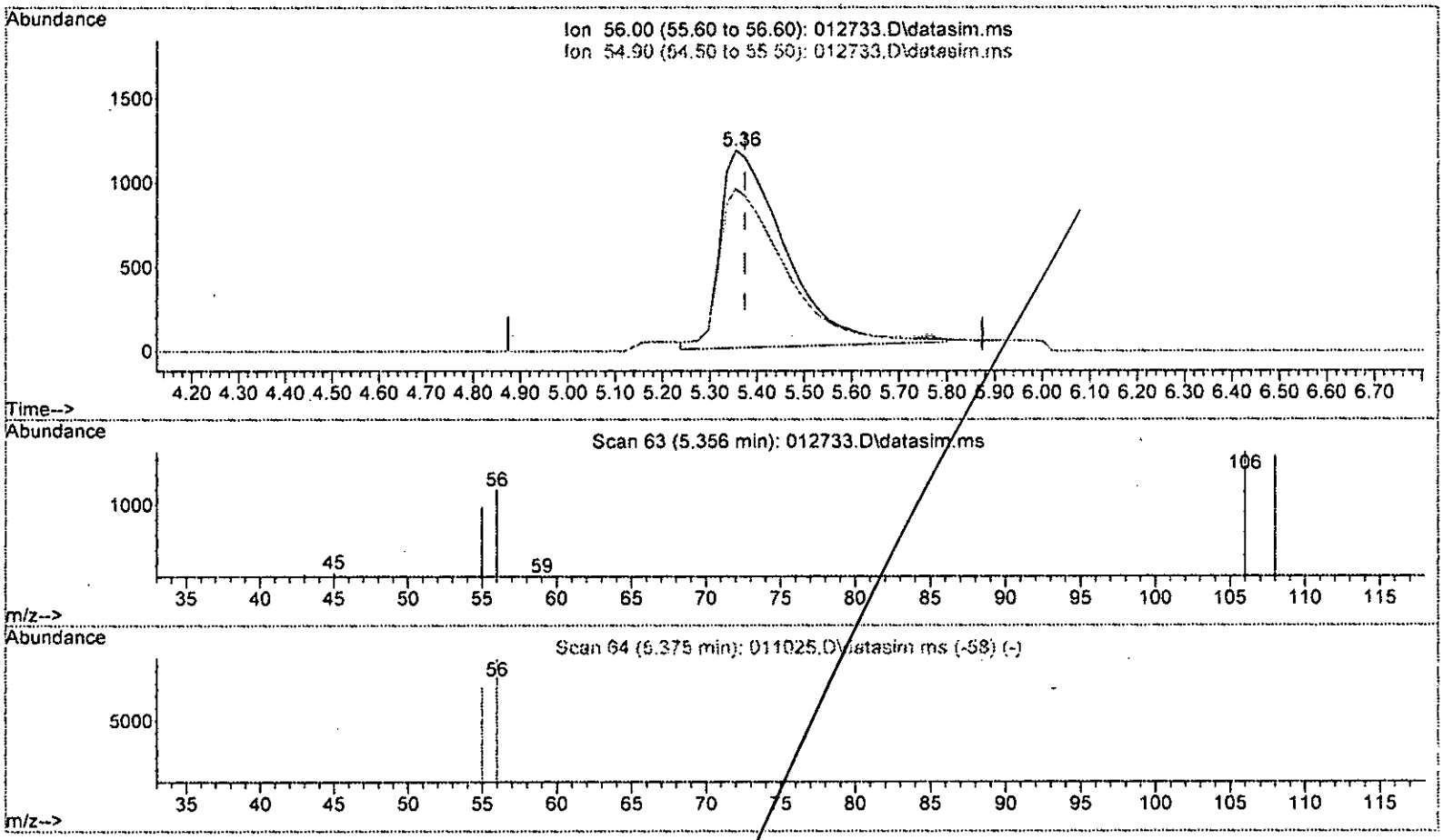
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	106.63
0.00	0.00	0.00
0.00	0.00	0.00

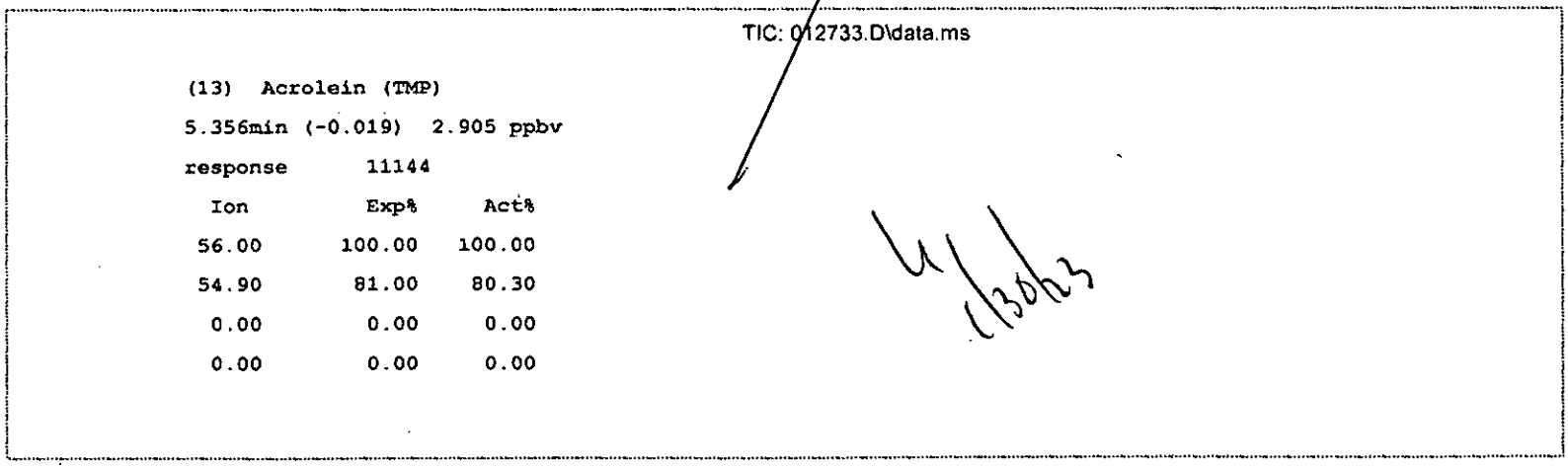
1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





(13) Acrolein (TMP)

5.356min (-0.019) 2.905 ppbv

response 11144

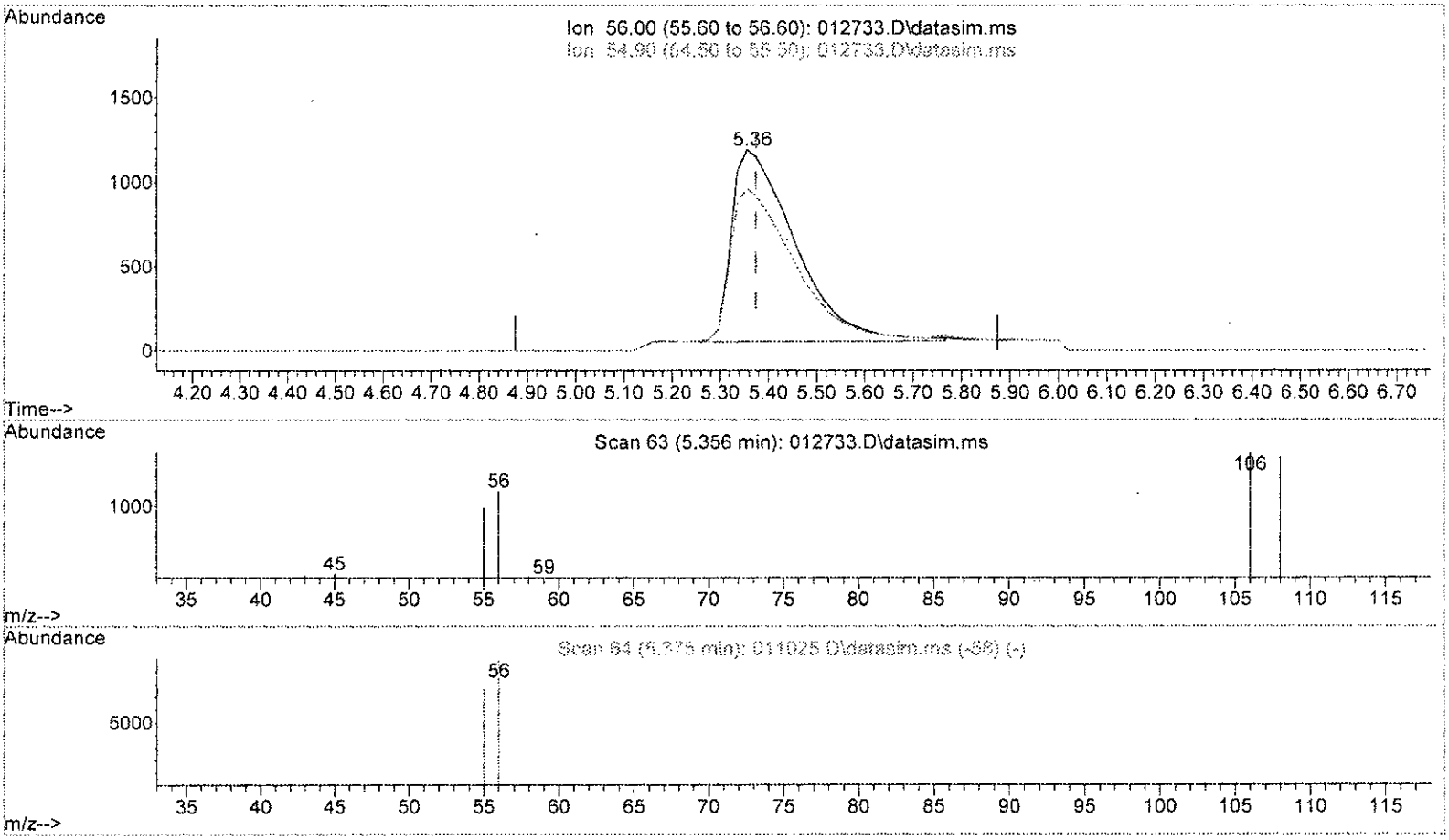
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	80.30
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(13) Acrolein (TMP)

5.356min (-0.019) 2.705 ppbv m

response 10377

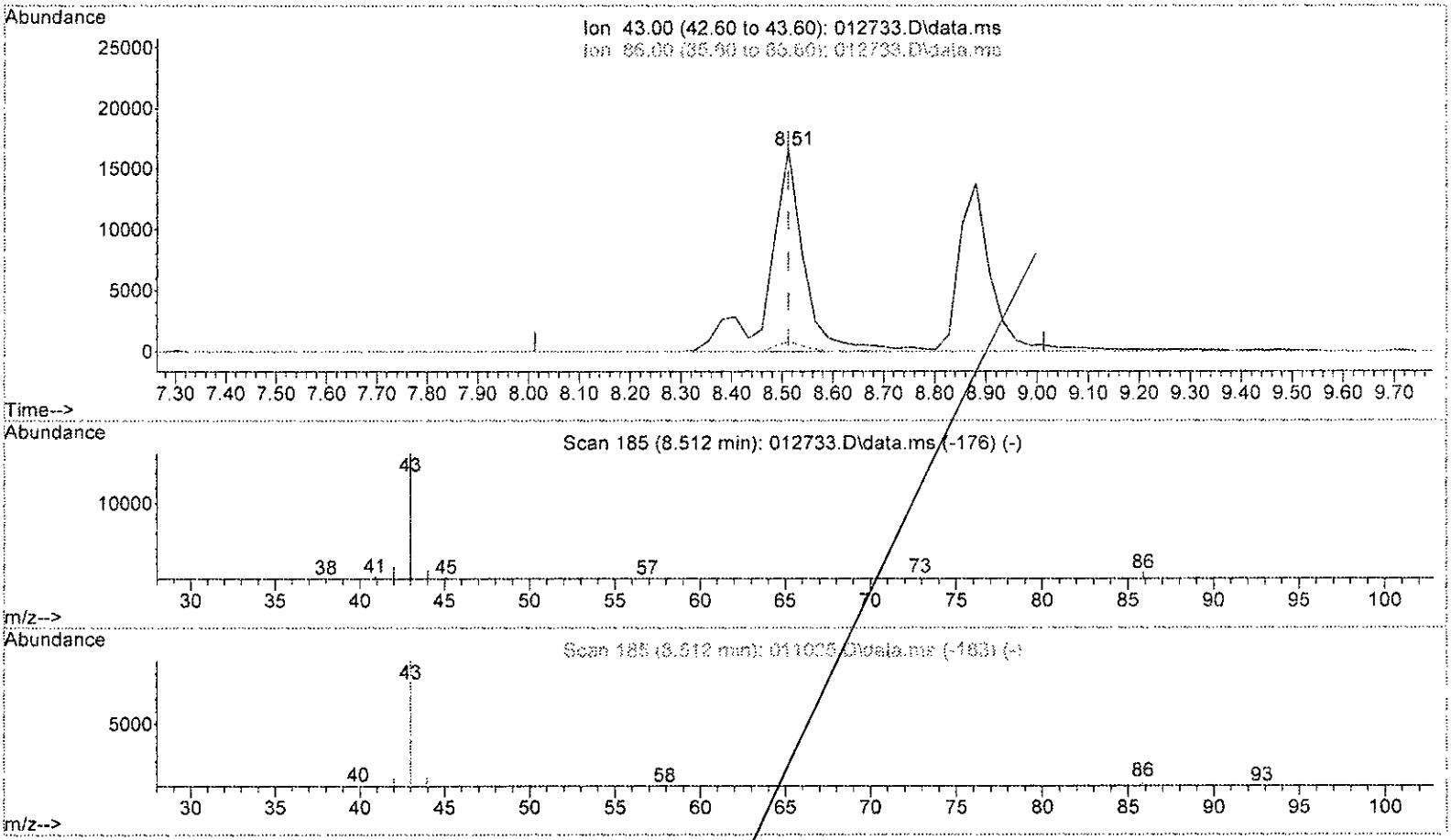
Ion	Exp%	Act%
56.00	100.00	100.00
54.90	81.00	86.24
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(26) Vinyl acetate (TMP)

8.512min (-0.001) 3.048 ppbv

response 78724

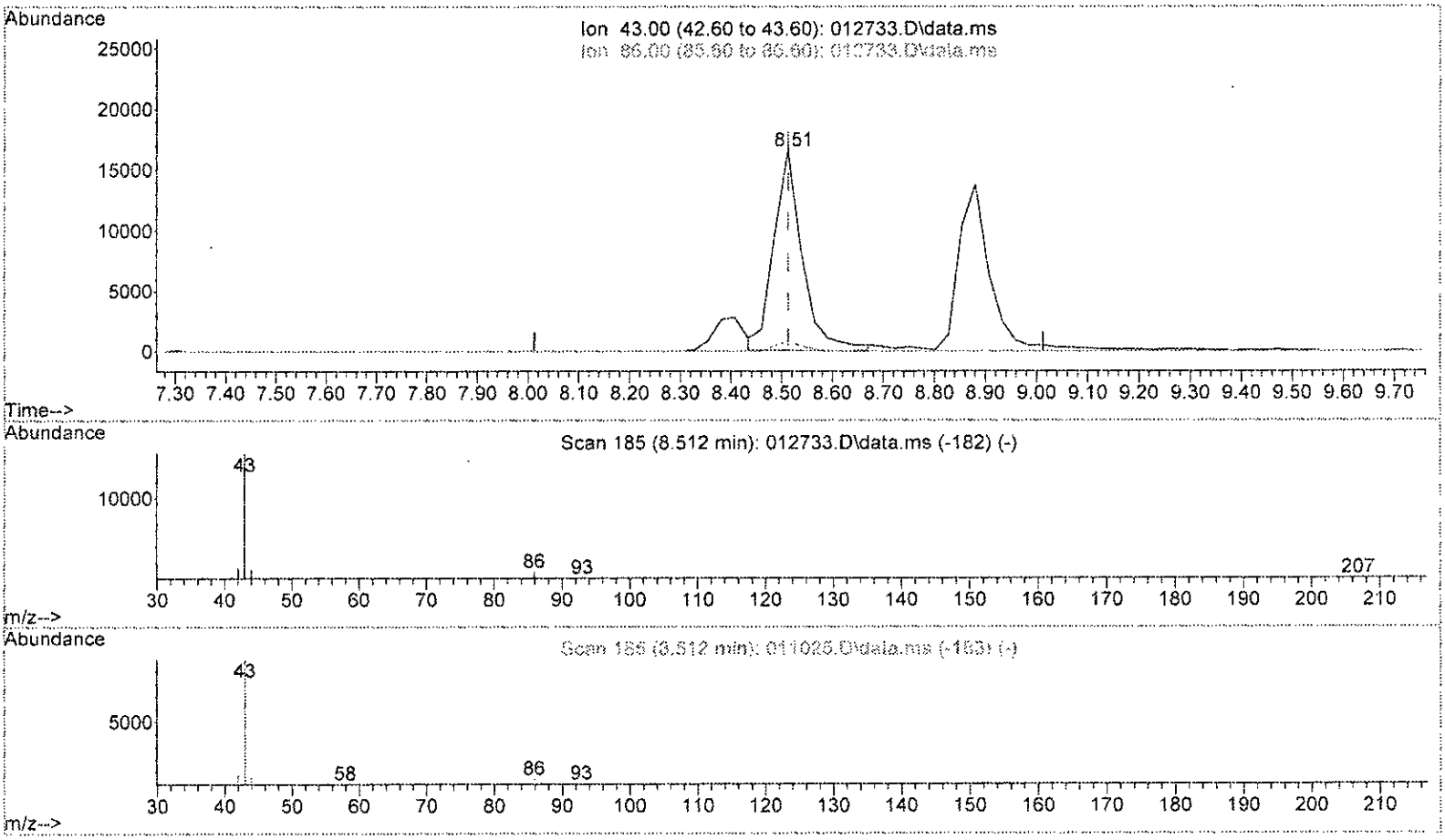
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.84
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(26) Vinyl acetate (TMP)
8.512min (-0.001) 2.493 ppbv m
response 64397

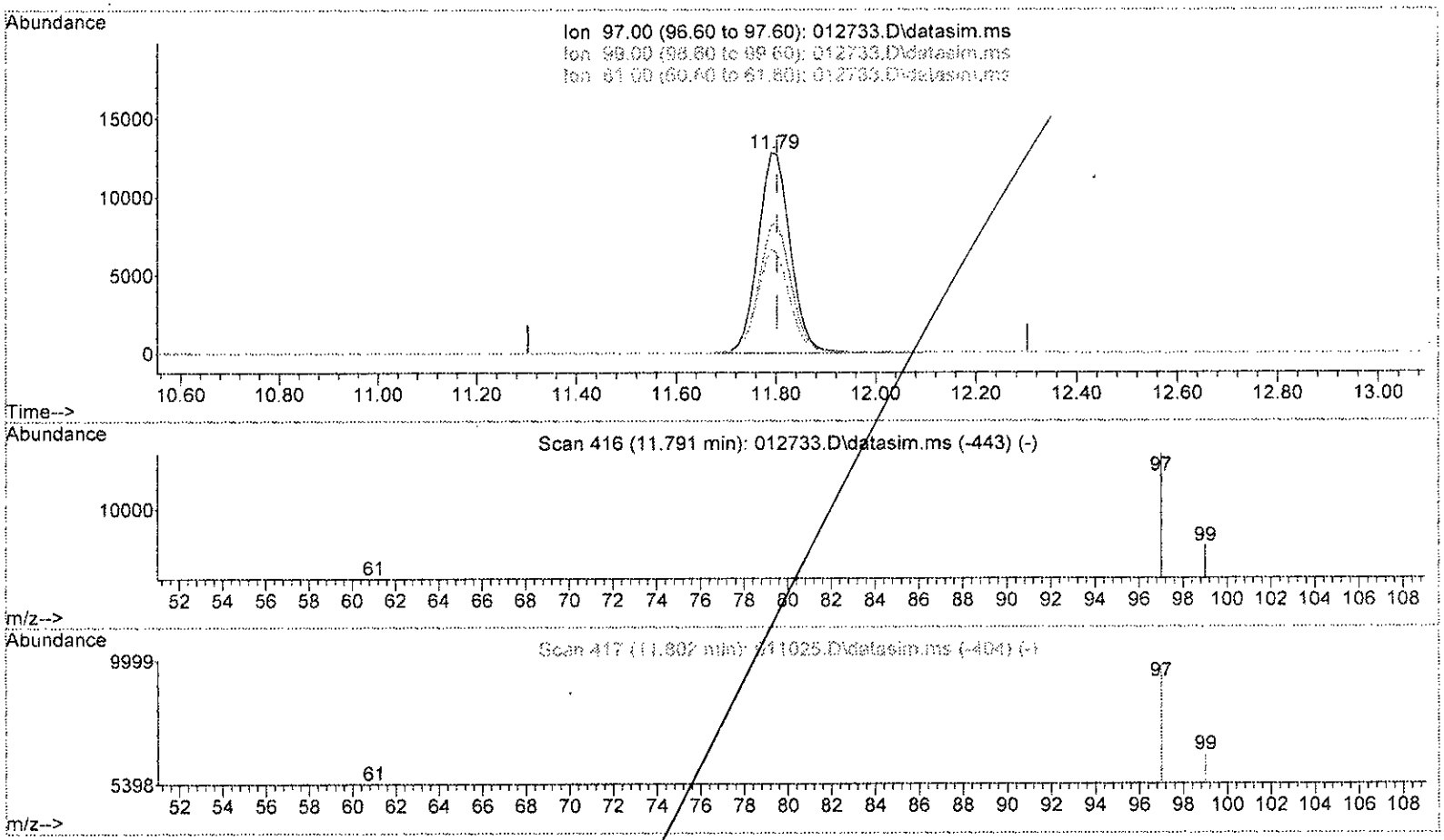
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.84
0.00	0.00	0.00
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)
11.791min (-0.012) 2.495 ppbv
response 57513

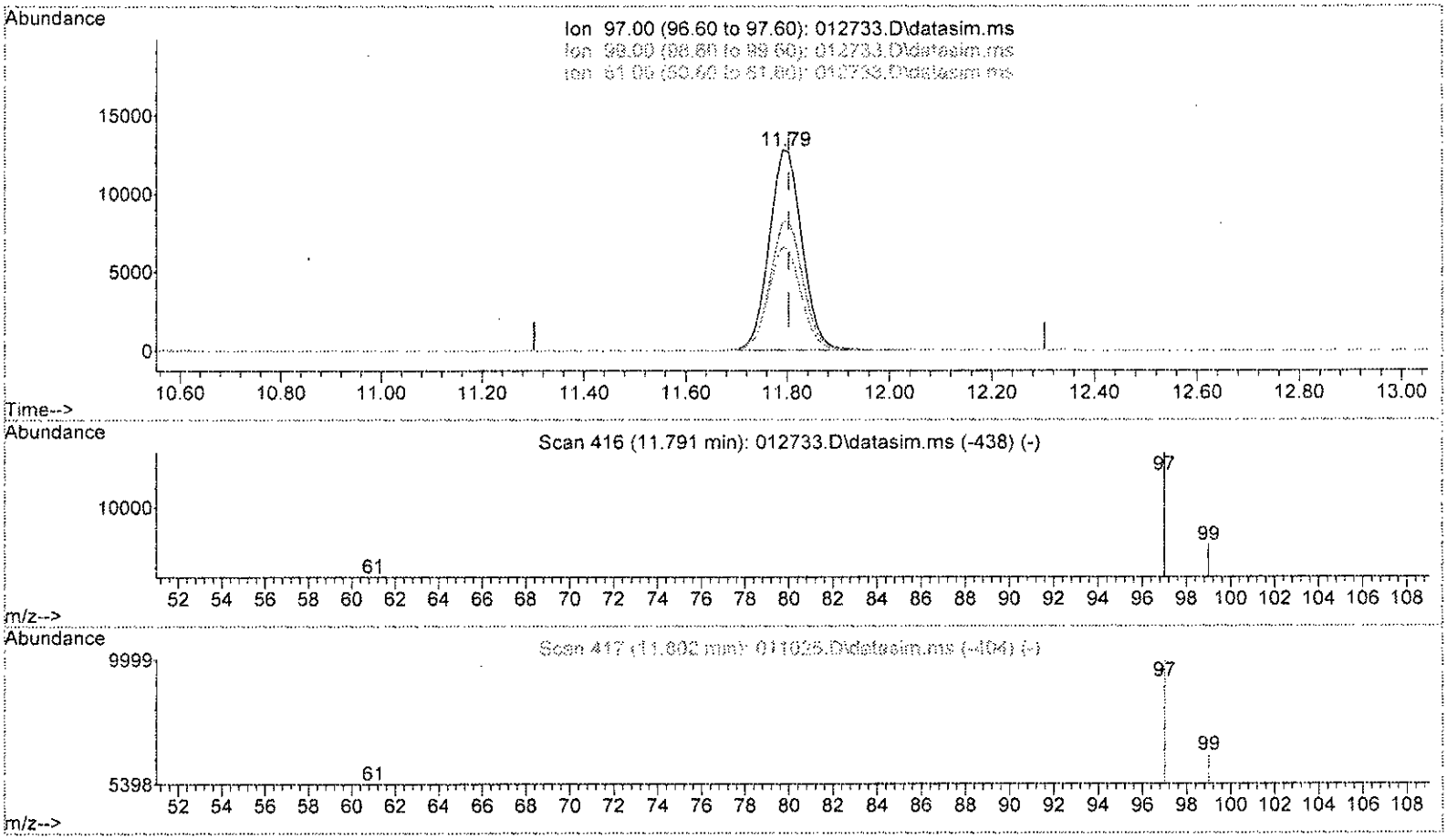
Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	63.98
61.00	49.30	51.58
0.00	0.00	0.00

1/30/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 012733.D\data.ms

(35) 1,1,1-Trichloroethane (TMP)

11.791min (-0.012) 2.478 ppbv m

response 57124

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	61.70	63.98
61.00	49.30	51.58
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	73141	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	314636	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	269095	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	185152	10.354	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%				
Target Compounds							Qvalue
2) Propene	3.41	41	22318	2.412	ppbv		99
3) Dichlorodifluoromethane	3.49	85	72157	2.417	ppbv		100
4] Chloromethane	3.69	50	30390m	2.480	ppbv		
5) F-114	3.84	85	71205	2.335	ppbv		95
6] Vinyl chloride	4.05	62	31063	2.481	ppbv		99
7] 1,3-Butadiene	4.17	54	19322	2.450	ppbv	#	83
8) Butane	4.36	43	39315	2.621	ppbv		100
9) Bromomethane	4.60	94	30663	2.472	ppbv		96
10] Chloroethane	4.80	64	11361m	2.450	ppbv		
11] Vinyl bromide	5.28	106	29499m	2.540	ppbv		
12) Ethanol	4.92	45	8853	2.314	ppbv		87
13] Acrolein	5.36	56	10377m	2.705	ppbv		
14) Pentane	6.23	43	43239	2.526	ppbv		100
15) Trichlorofluoromethane	5.80	101	82871	2.536	ppbv		93
16) Acetone	5.51	58	11269	2.107	ppbv		93
17) 2-Propanol	5.76	45	51921	2.514	ppbv		100
18] 1,1-Dichloroethene	6.60	96	27342	2.454	ppbv		96
19] trans-1,2-Dichloroethene	8.07	96	27369	2.496	ppbv	#	69
20) Methylene chloride	6.78	84	26289	2.494	ppbv		92
21) t-Butyl alcohol (TBA)	6.54	59	42503	2.459	ppbv	#	70
22) 3-Chloropropene	6.91	41	34036	2.428	ppbv		93
23) CFC-113	7.12	101	60461	2.445	ppbv		92
24) Carbon disulfide	7.22	76	87354	2.438	ppbv		97
25) Methyl t-butyl ether (...	8.41	73	56575	2.437	ppbv		95
26) Vinyl acetate	8.51	43	64397m	2.493	ppbv		
27] 1,1-Dichloroethane	8.33	63	57875	2.469	ppbv		98
28] cis-1,2-Dichloroethene	9.60	96	29040	2.441	ppbv		91
29) Hexane	9.99	57	36453	2.438	ppbv		96
30] Chloroform	10.07	83	67414	2.447	ppbv		97
31) Ethyl acetate	9.90	43	63092	2.456	ppbv		100
32) Tetrahydrofuran	10.73	42	33925	2.496	ppbv		99
33) 2-Butanone (MEK)	8.88	72	11207	2.848	ppbv		96
34] 1,2-Dichloroethane (EDC)	11.31	62	43965	2.542	ppbv		100
35] 1,1,1-Trichloroethane	11.79	97	57124m	2.478	ppbv		
36] Carbon tetrachloride	12.84	117	60497	2.493	ppbv		99
37] Benzene	12.59	78	92411	2.374	ppbv		95
38) Cyclohexane	13.05	84	22844	2.414	ppbv		95
40] 1,2-Dichloropropane	13.79	63	43417	2.487	ppbv		99

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

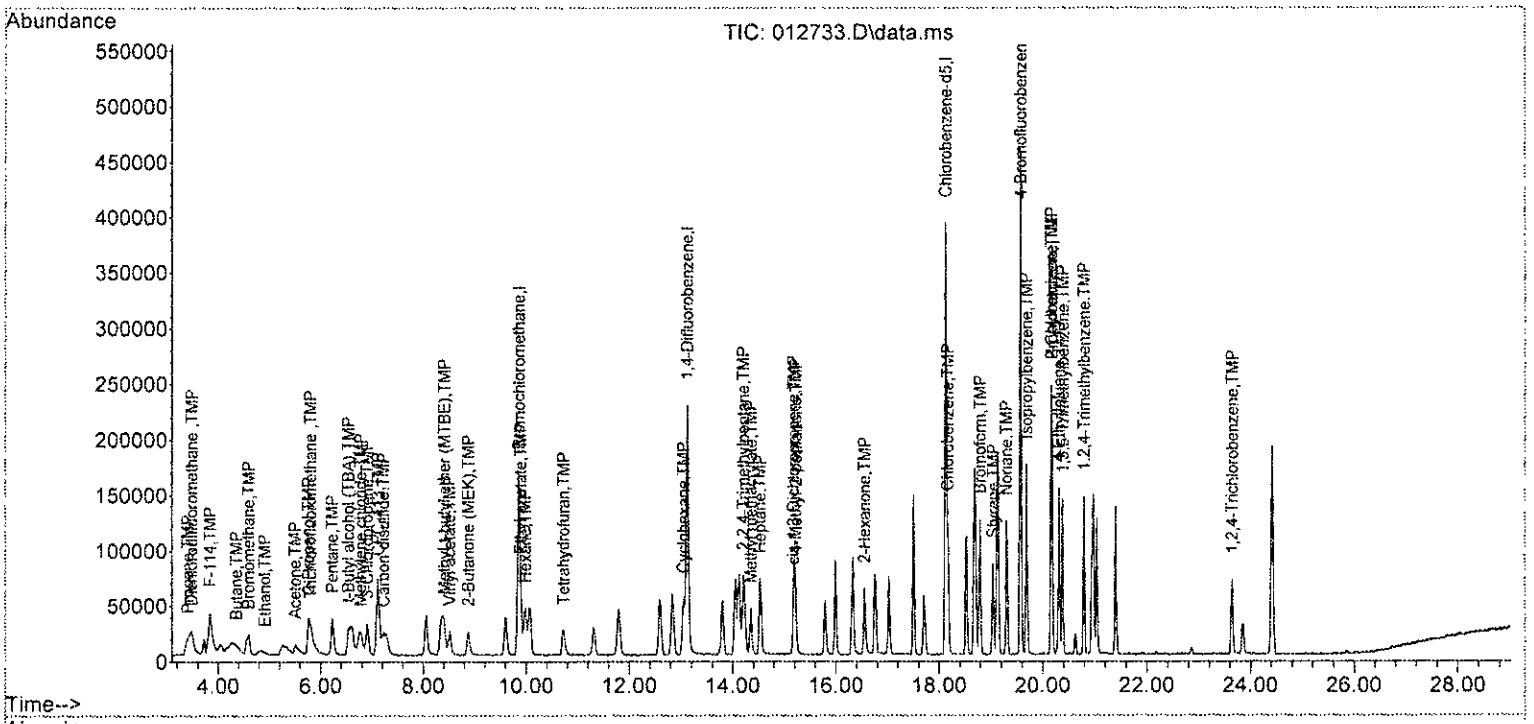
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41] 1,4-Dioxane	14.06	88	18415	2.521	ppbv	94
42) 2,2,4-Trimethylpentane	14.20	57	124981	2.448	ppbv	95
43) Methyl methacrylate	14.35	41	33980	2.387	ppbv	95
44) Heptane	14.52	43	52763	2.537	ppbv	99
45] Bromodichloromethane	14.04	83	71154	2.500	ppbv	96
46] Trichloroethene	14.11	95	44613	2.448	ppbv	83
47) cis-1,3-Dichloropropene	15.18	75	51522	2.605	ppbv	100
48) 4-Methyl-2-pentanone	15.22	100	3403	2.544	ppbv	98
49] trans-1,3-Dichloropropene	15.78	75	44226	2.376	ppbv	89
50] Toluene	16.31	92	56664	2.452	ppbv	93
51] 1,1,2-Trichloroethane	15.99	83	43147	2.523	ppbv	88
52) 2-Hexanone	16.55	43	62639	2.636	ppbv	98
53] Tetrachloroethene	17.51	164	36696	2.466	ppbv	94
54] Dibromochloromethane	16.75	129	70856	2.468	ppbv	99
55] 1,2-Dibromoethane (EDB)	17.03	107	62562	2.416	ppbv	99
57) Chlorobenzene	18.16	112	76124	2.458	ppbv	97
58] Ethylbenzene	18.52	91	124933	2.372	ppbv	95
59] 1,1,2,2-Tetrachloroethane	19.11	83	98125	2.360	ppbv	92
60) Nonane	19.30	43	66104	2.417	ppbv	97
61) Isopropylbenzene	19.69	105	122831	2.444	ppbv	97
62) 2-Chlorotoluene	20.17	126	31615	2.533	ppbv	82
63) Propylbenzene	20.17	91	234487	2.544	ppbv	99
64) 4-Ethyltoluene	20.31	105	103029	2.354	ppbv	98
65] m,p-Xylene	18.70	106	86812	5.035	ppbv	95
66] o-Xylene	19.15	106	43123	2.521	ppbv	94
67) Styrene	19.04	104	54048	2.390	ppbv	98
68) Bromoform	18.79	173	71737	2.510	ppbv	99
70] Benzyl chloride	20.93	91	69169	2.374	ppbv	88
71) 1,3,5-Trimethylbenzene	20.38	105	100857	2.436	ppbv	96
72) 1,2,4-Trimethylbenzene	20.79	105	86834	2.421	ppbv	100
73] 1,3-Dichlorobenzene	20.97	146	66455	2.427	ppbv	97
74] 1,4-Dichlorobenzene	21.03	146	61246	2.444	ppbv	85
75] 1,2-Dichlorobenzene	21.41	146	68925	2.462	ppbv	91
76) 1,2,4-Trichlorobenzene	23.64	180	33074	2.067	ppbv	96
77] Naphthalene	23.84	128	45540	2.159	ppbv	99
78] Hexachlorobutadiene	24.42	225	60716	2.200	ppbv	99

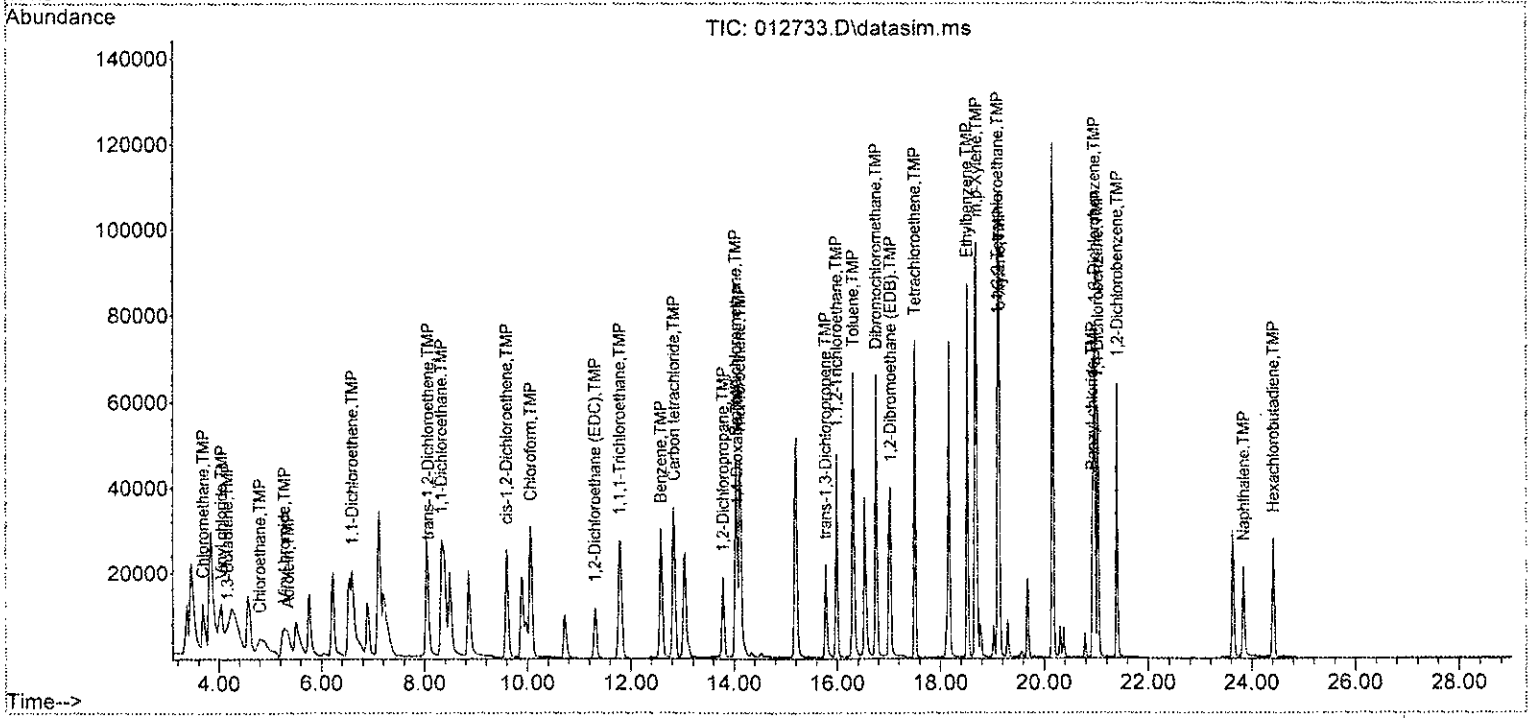
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	98	0.00
2	TMP	Propene	2.500	2.412	3.5	95	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.417	3.3	91	0.00
4	TMP	Chloromethane	2.500	2.480	0.8	100	0.00
5	TMP	F-114	2.500	2.335	6.6	88	0.00
6	TMP	Vinyl chloride	2.500	2.481	0.8	93	0.00
7	TMP	1,3-Butadiene	2.500	2.450	2.0	92	0.00
8	TMP	Butane	2.500	2.621	-4.8	96	0.08
9	TMP	Bromomethane	2.500	2.472	1.1	92	0.00
10	TMP	Chloroethane	2.500	2.450	2.0	91	0.00
11	TMP	Vinyl bromide	2.500	2.540	-1.6	92	0.00
12	TMP	Ethanol	2.500	2.314	7.4	88	0.00
13	TMP	Acrolein	2.500	2.705	-8.2	98	-0.02
14	TMP	Pentane	2.500	2.526	-1.0	91	0.00
15	TMP	Trichlorofluoromethane	2.500	2.536	-1.4	92	0.00
16	TMP	Acetone	2.500	2.107	15.7	88	-0.02
17	TMP	2-Propanol	2.500	2.514	-0.6	94	0.00
18	TMP	1,1-Dichloroethene	2.500	2.454	1.8	92	0.00
19	TMP	trans-1,2-Dichloroethene	2.500	2.496	0.2	92	0.00
20	TMP	Methylene chloride	2.500	2.494	0.2	90	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.459	1.6	92	0.00
22	TMP	3-Chloropropene	2.500	2.428	2.9	94	0.00
23	TMP	CFC-113	2.500	2.445	2.2	90	0.00
24	TMP	Carbon disulfide	2.500	2.438	2.5	90	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.437	2.5	92	0.00
26	TMP	Vinyl acetate	2.500	2.493	0.3	100	0.00
27	TMP	1,1-Dichloroethane	2.500	2.469	1.2	92	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.441	2.4	92	0.00
29	TMP	Hexane	2.500	2.438	2.5	93	0.00
30	TMP	Chloroform	2.500	2.447	2.1	91	0.00
31	TMP	Ethyl acetate	2.500	2.456	1.8	92	0.00
32	TMP	Tetrahydrofuran	2.500	2.496	0.2	89	0.00
33	TMP	2-Butanone (MEK)	2.500	2.848	-13.9	103	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.542	-1.7	96	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.478	0.9	93	-0.01
36	TMP	Carbon tetrachloride	2.500	2.493	0.3	92	0.00
37	TMP	Benzene	2.500	2.374	5.0	92	0.00
38	TMP	Cyclohexane	2.500	2.414	3.4	90	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	95	0.00
40	TMP	1,2-Dichloropropane	2.500	2.487	0.5	91	0.00
41	TMP	1,4-Dioxane	2.500	2.521	-0.8	92	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.448	2.1	90	0.00
43	TMP	Methyl methacrylate	2.500	2.387	4.5	88	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.537	-1.5	92	0.00
45	TMP	Bromodichloromethane	2.500	2.500	0.0	91	0.00
46	TMP	Trichloroethene	2.500	2.448	2.1	92	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.605	-4.2	94	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.544	-1.8	92	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.376	5.0	91	0.00
50	TMP	Toluene	2.500	2.452	1.9	91	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.523	-0.9	95	0.00
52	TMP	2-Hexanone	2.500	2.636	-5.4	96	0.00
53	TMP	Tetrachloroethene	2.500	2.466	1.4	91	0.00
54	TMP	Dibromochloromethane	2.500	2.468	1.3	90	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.416	3.4	92	0.00
56	I	Chlorobenzene-d5	10.000	10.000	0.0	93	0.00
57	TMP	Chlorobenzene	2.500	2.458	1.7	91	0.00
58	TMP	Ethylbenzene	2.500	2.372	5.1	91	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.360	5.6	89	0.00
60	TMP	Nonane	2.500	2.417	3.3	88	0.00
61	TMP	Isopropylbenzene	2.500	2.444	2.2	89	0.00
62	TMP	2-Chlorotoluene	2.500	2.533	-1.3	92	0.00
63	TMP	Propylbenzene	2.500	2.544	-1.8	89	0.00
64	TMP	4-Ethyltoluene	2.500	2.354	5.8	89	0.00
65	TMP	m,p-Xylene	5.000	5.035	-0.7	90	0.00
66	TMP	o-Xylene	2.500	2.521	-0.8	91	0.00
67	TMP	Styrene	2.500	2.390	4.4	85	0.00
68	TMP	Bromoform	2.500	2.510	-0.4	91	0.00
69	S	4-Bromofluorobenzene	10.000	10.354	-3.5	93	0.00
70	TMP	Benzyl chloride	2.500	2.374	5.0	87	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.436	2.6	86	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.421	3.2	87	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.427	2.9	88	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.444	2.2	89	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.462	1.5	89	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.067	17.3	88	0.00
77	TMP	Naphthalene	2.500	2.159	13.6	92	0.00
78	TMP	Hexachlorobutadiene	2.500	2.200	12.0	84	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	98	0.00
2	TMP	Propene	1.286	1.221	5.1	95	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.946	3.3	91	0.00
4	TMP	Chloromethane	1.676	1.662	0.8	100	0.00
5	TMP	F-114	4.169	3.894	6.6	88	0.00
6	TMP	Vinyl chloride	1.712	1.699	0.8	93	0.00
7	TMP	1,3-Butadiene	1.078	1.057	1.9	92	0.00
8	TMP	Butane	2.051	2.150	-4.8	96	0.08
9	TMP	Bromomethane	1.696	1.677	1.1	92	0.00
10	TMP	Chloroethane	0.634	0.621	2.1	91	0.00
11	TMP	Vinyl bromide	1.588	1.613	-1.6	92	0.00
12	TMP	Ethanol	0.538	0.484	10.0	88	0.00
13	TMP	Acrolein	0.525	0.568	-8.2	98	-0.02
14	TMP	Pentane	2.340	2.365	-1.1	91	0.00
15	TMP	Trichlorofluoromethane	4.468	4.532	-1.4	92	0.00
16	TMP	Acetone	0.731	0.616	15.7	88	-0.02
17	TMP	2-Propanol	2.824	2.840	-0.6	94	0.00
18	TMP	1,1-Dichloroethene	1.523	1.495	1.8	92	0.00
19	TMP	trans-1,2-Dichloroethene	1.499	1.497	0.1	92	0.00
20	TMP	Methylene chloride	1.441	1.438	0.2	90	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.324	1.7	92	0.00
22	TMP	3-Chloropropene	1.917	1.861	2.9	94	0.00
23	TMP	CFC-113	3.382	3.307	2.2	90	0.00
24	TMP	Carbon disulfide	4.899	4.777	2.5	90	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	3.094	2.5	92	0.00
26	TMP	Vinyl acetate	3.532	3.522	0.3	100	0.00
27	TMP	1,1-Dichloroethane	3.205	3.165	1.2	92	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.588	2.4	92	0.00
29	TMP	Hexane	2.044	1.994	2.4	93	0.00
30	TMP	Chloroform	3.767	3.687	2.1	91	0.00
31	TMP	Ethyl acetate	3.512	3.450	1.8	92	0.00
32	TMP	Tetrahydrofuran	1.858	1.855	0.2	89	0.00
33	TMP	2-Butanone (MEK)	0.538	0.613	-13.9	103	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.404	-1.6	96	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.124	0.9	93	-0.01
36	TMP	Carbon tetrachloride	3.318	3.309	0.3	92	0.00
37	TMP	Benzene	5.322	5.054	5.0	92	0.00
38	TMP	Cyclohexane	1.294	1.249	3.5	90	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
40	TMP	1,2-Dichloropropane	0.555	0.552	0.5	91	0.00
41	TMP	1,4-Dioxane	0.232	0.234	-0.9	92	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.589	2.1	90	0.00
43	TMP	Methyl methacrylate	0.452	0.432	4.4	88	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\01-27-23\
Data File : 012733.D
Acq On : 28 Jan 2023 2:22 pm
Operator : bat
Sample : 2.5 ppbv TO15 scv 68-60 -a
Misc : T7
ALS Vial : 33 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Jan 30 16:35:44 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.671	-1.5	92	0.00
45	TMP	Bromodichloromethane	0.905	0.905	0.0	91	0.00
46	TMP	Trichloroethene	0.579	0.567	2.1	92	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.655	-4.1	94	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.043	0.0	92	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.562	5.1	91	0.00
50	TMP	Toluene	0.734	0.720	1.9	91	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.549	-1.1	95	0.00
52	TMP	2-Hexanone	0.755	0.796	-5.4	96	0.00
53	TMP	Tetrachloroethene	0.473	0.467	1.3	91	0.00
54	TMP	Dibromochloromethane	0.912	0.901	1.2	90	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.795	3.4	92	0.00
56	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
57	TMP	Chlorobenzene	1.151	1.132	1.7	91	0.00
58	TMP	Ethylbenzene	1.957	1.857	5.1	91	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.459	5.6	89	0.00
60	TMP	Nonane	1.017	0.983	3.3	88	0.00
61	TMP	Isopropylbenzene	1.868	1.826	2.2	89	0.00
62	TMP	2-Chlorotoluene	0.464	0.470	-1.3	92	0.00
63	TMP	Propylbenzene	3.426	3.486	-1.8	89	0.00
64	TMP	4-Ethyltoluene	1.627	1.531	5.9	89	0.00
65	TMP	m,p-Xylene	0.641	0.645	-0.6	90	0.00
66	TMP	o-Xylene	0.636	0.641	-0.8	91	0.00
67	TMP	Styrene	0.840	0.803	4.4	85	0.00
68	TMP	Bromoform	1.062	1.066	-0.4	91	0.00
69	S	4-Bromofluorobenzene	0.665	0.688	-3.5	93	0.00
70	TMP	Benzyl chloride	1.083	1.028	5.1	87	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.499	2.6	86	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.291	3.2	87	0.00
73	TMP	1,3-Dichlorobenzene	1.018	0.988	2.9	88	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.910	2.3	89	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.025	1.4	89	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.492	17.3	88	0.00
77	TMP	Naphthalene	0.967	0.677	30.0	92	0.00
78	TMP	Hexachlorobutadiene	1.025	0.903	11.9	84	0.00

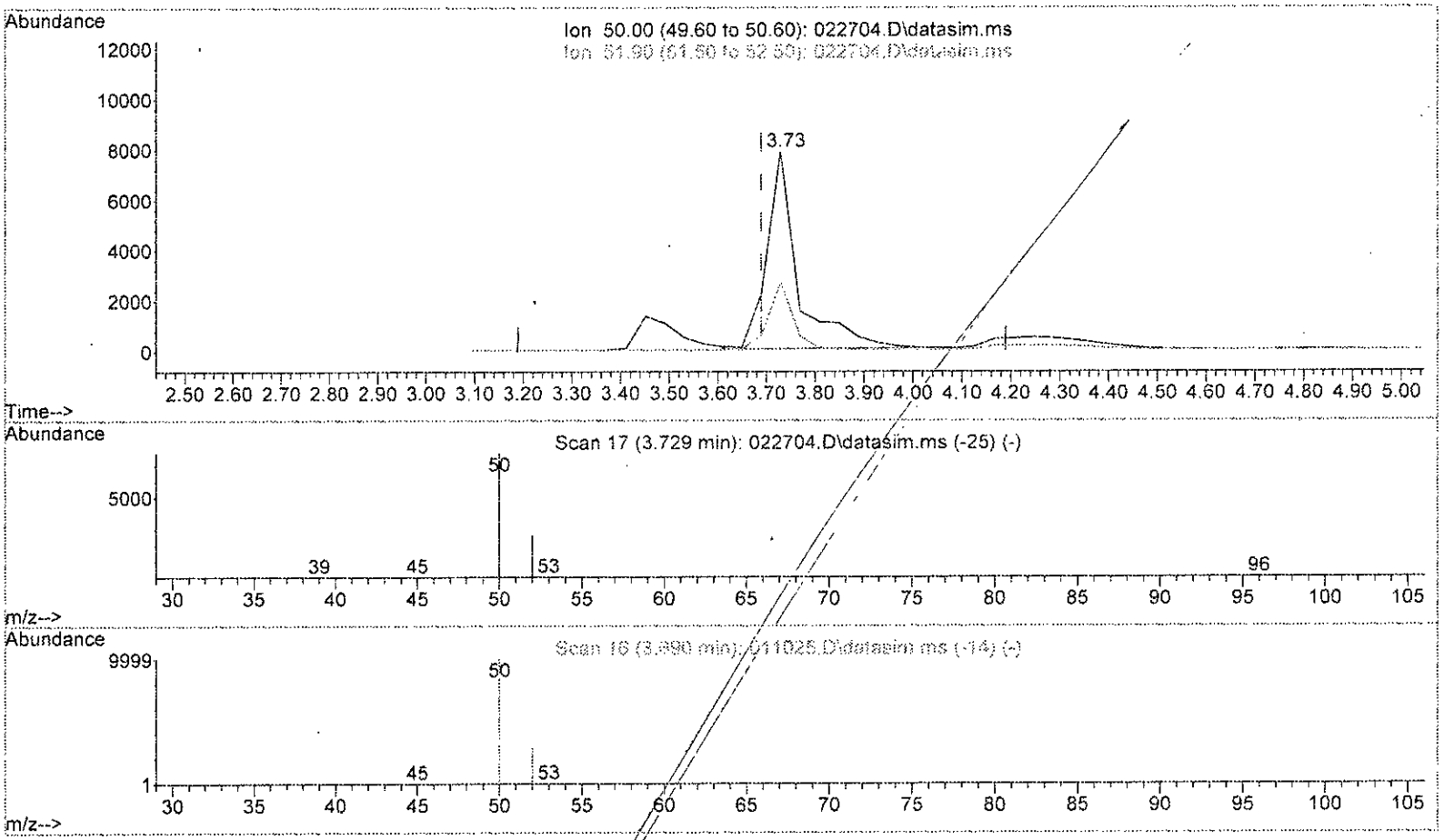
(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA TO-15
CCV Summaries

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.039) 2.938 ppbv

response 34218

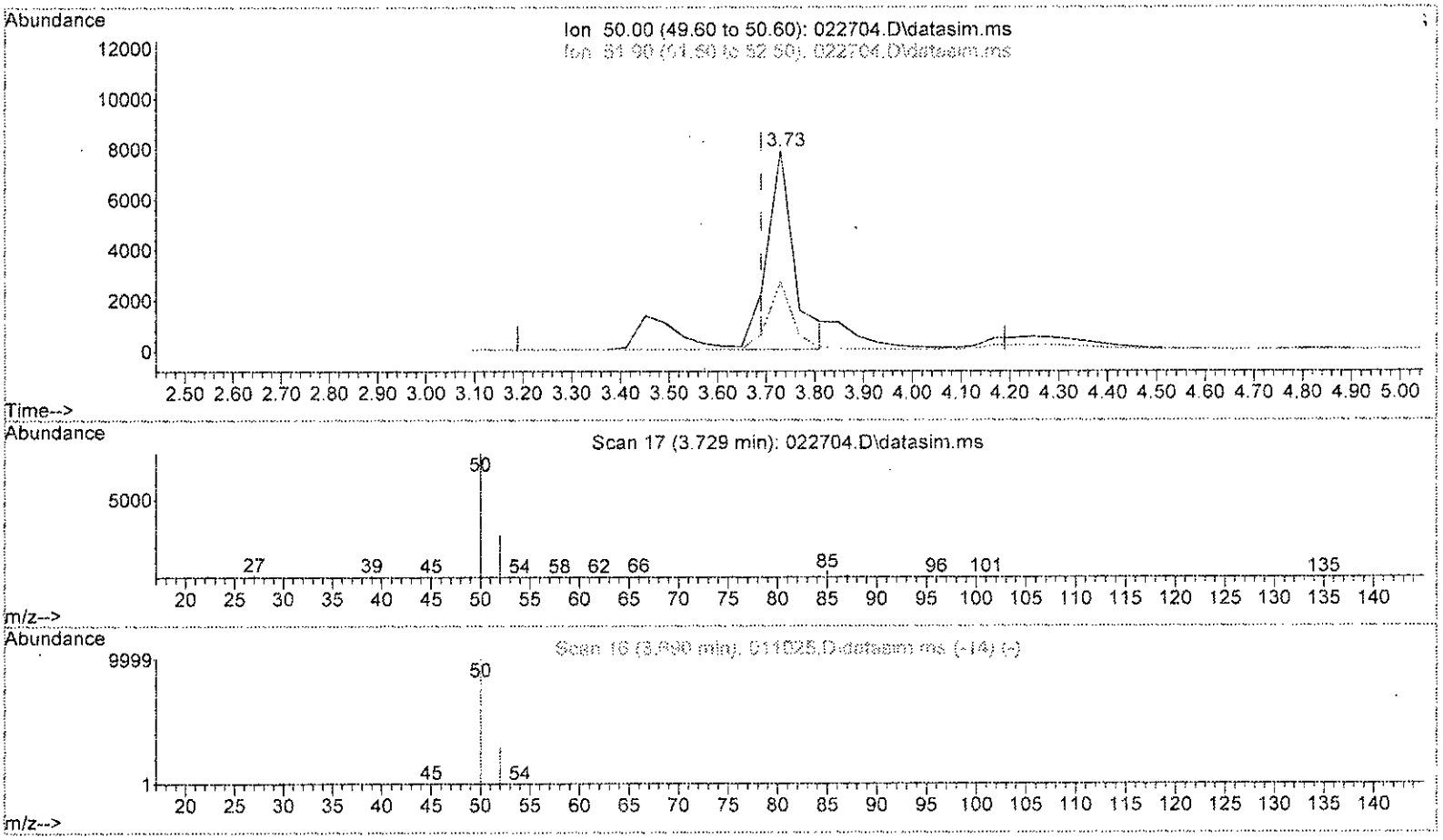
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.19
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.039) 2.606 ppbv m

response 30350

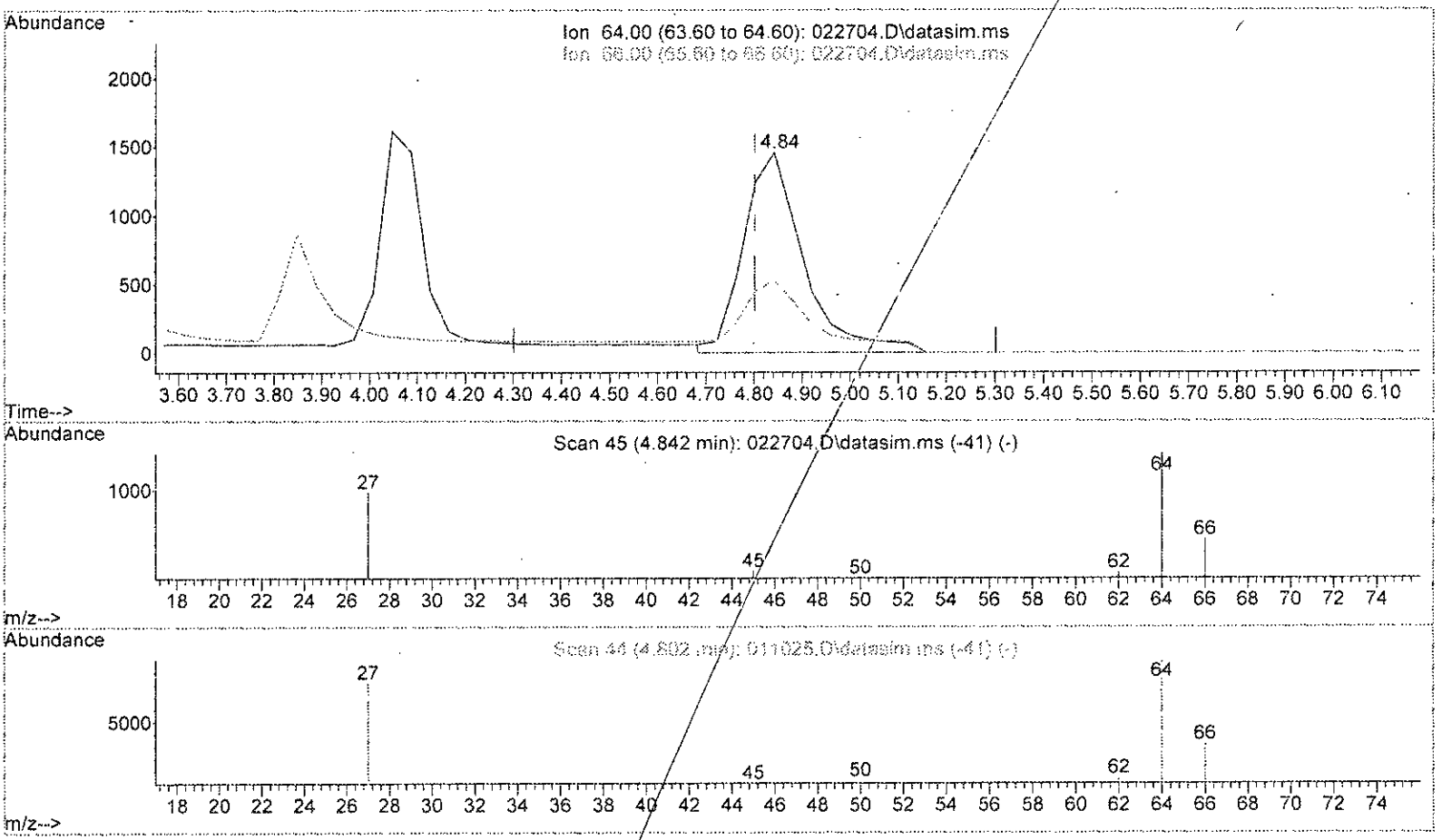
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.37
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.040) 2.741 ppbv

response 12081

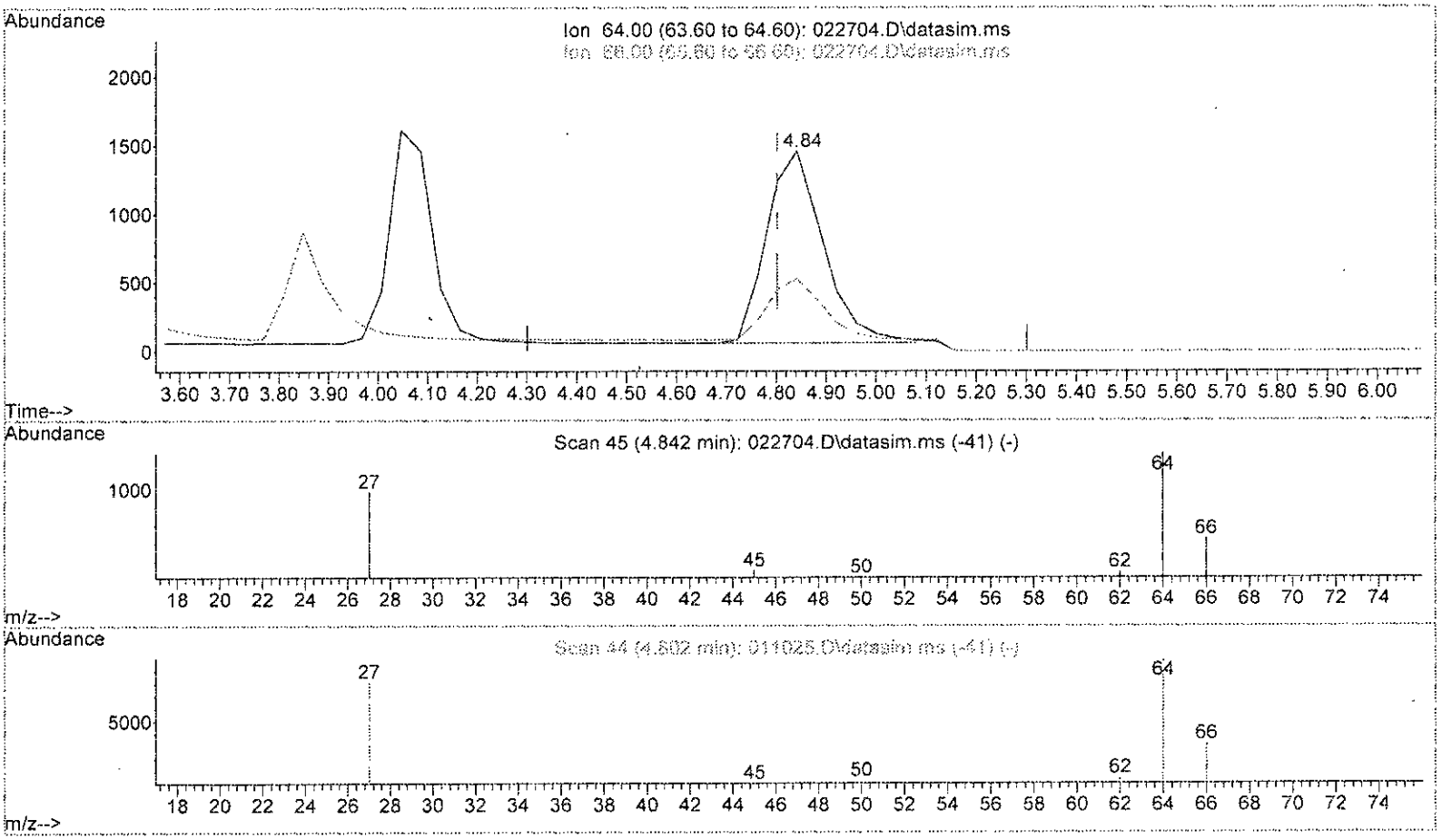
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.26
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.040) 2.501 ppbv m

response 11025

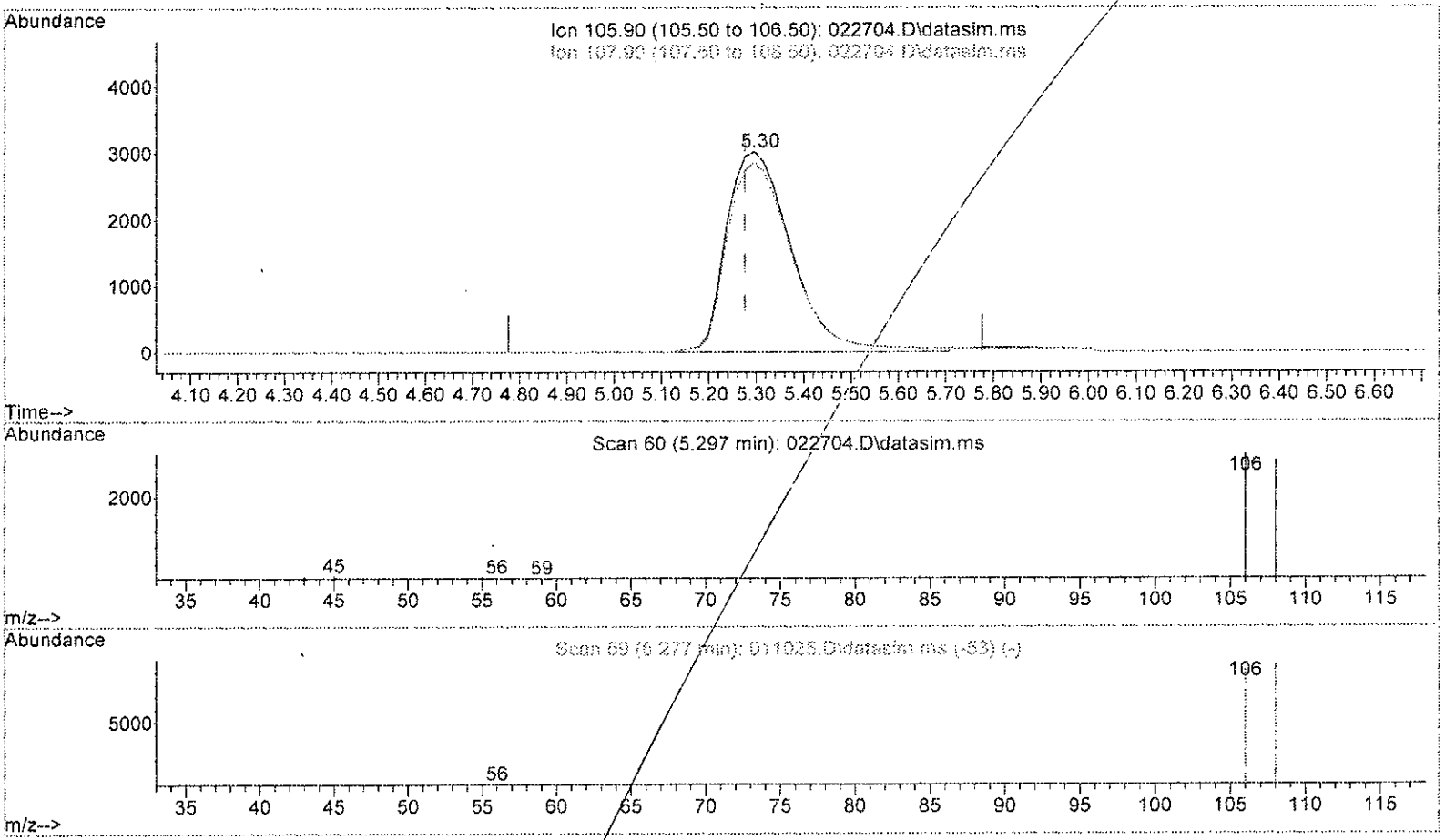
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.26
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (+ 0.020) 2.789 ppbv

response 30775

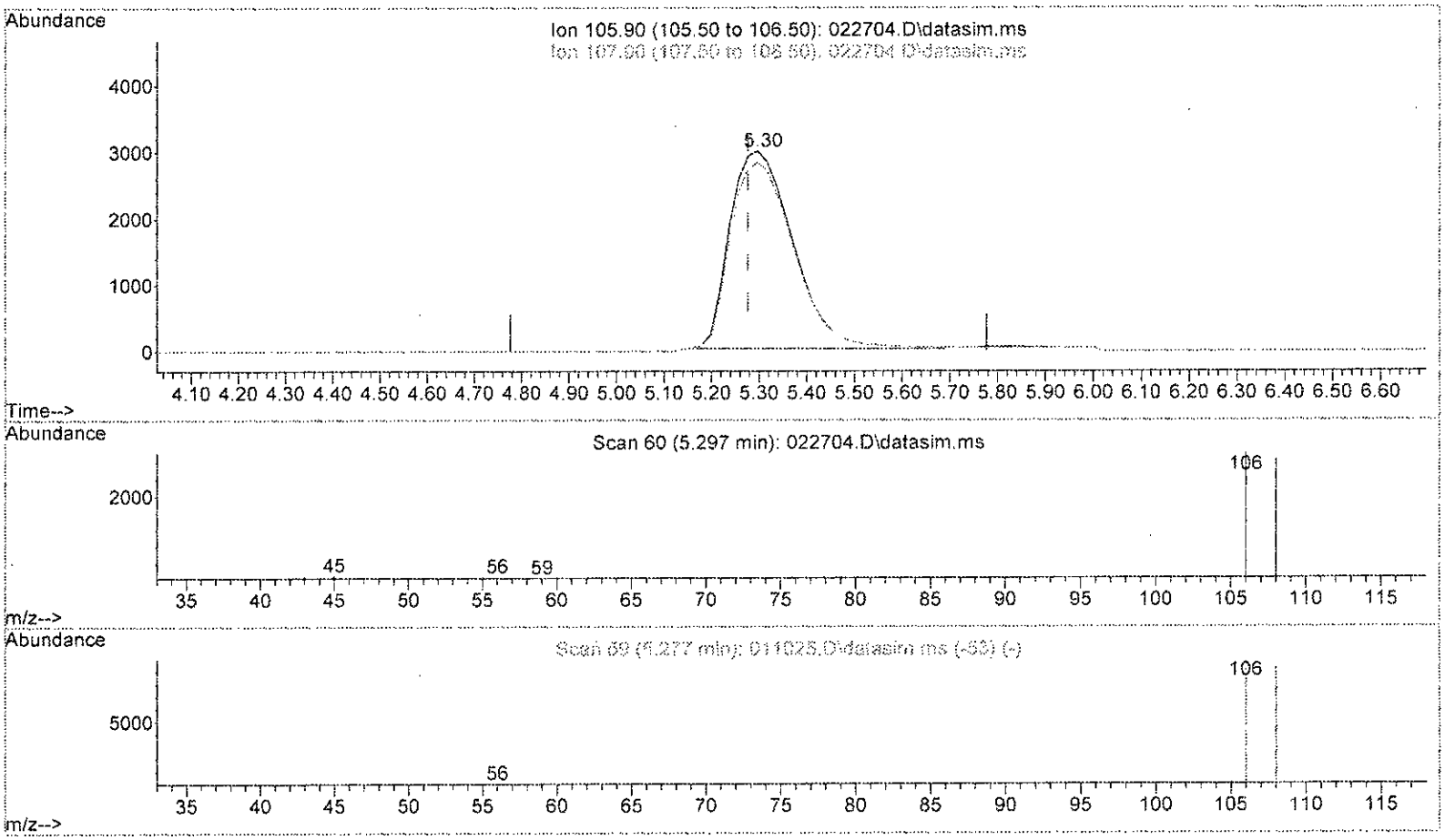
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.60
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (+ 0.020) 2.475 ppbv m

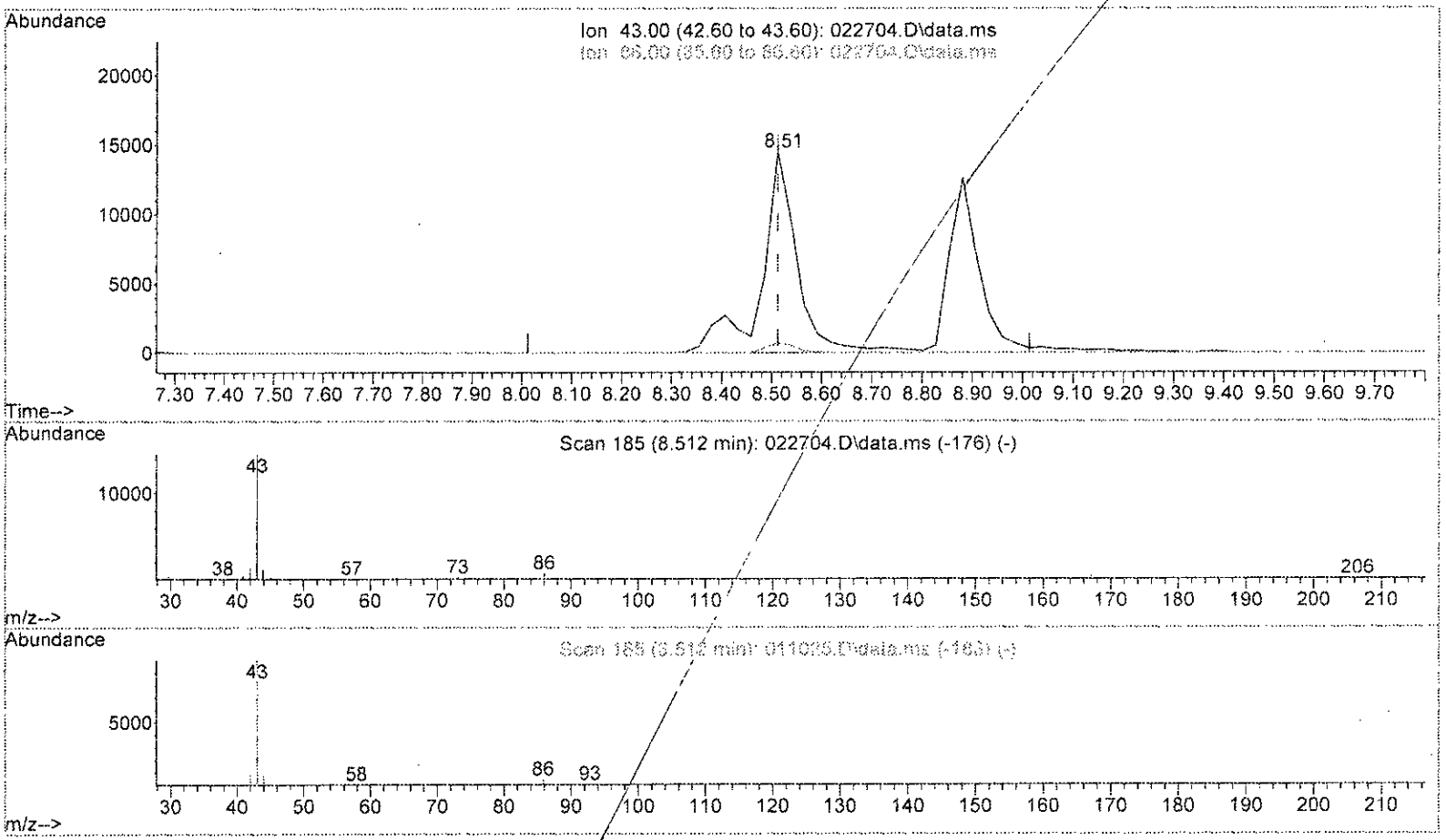
response 27315

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	106.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(26) Vinyl acetate (TMP)

8.512min (-0.001) 2.915 ppbv

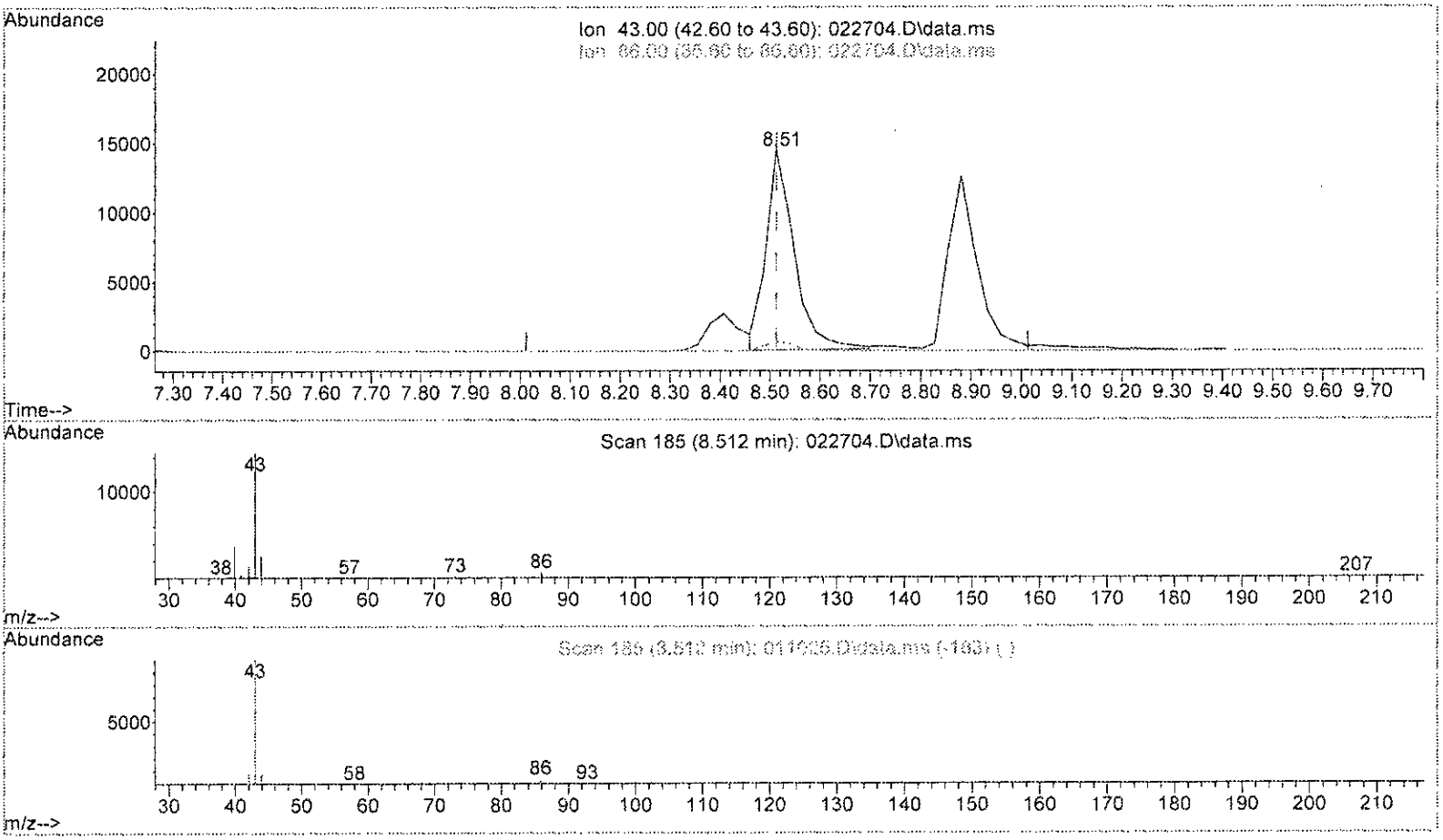
response 71566

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(26) Vinyl acetate (TMP)

8.512min (-0.001) 2.290 ppbv m

response 56214

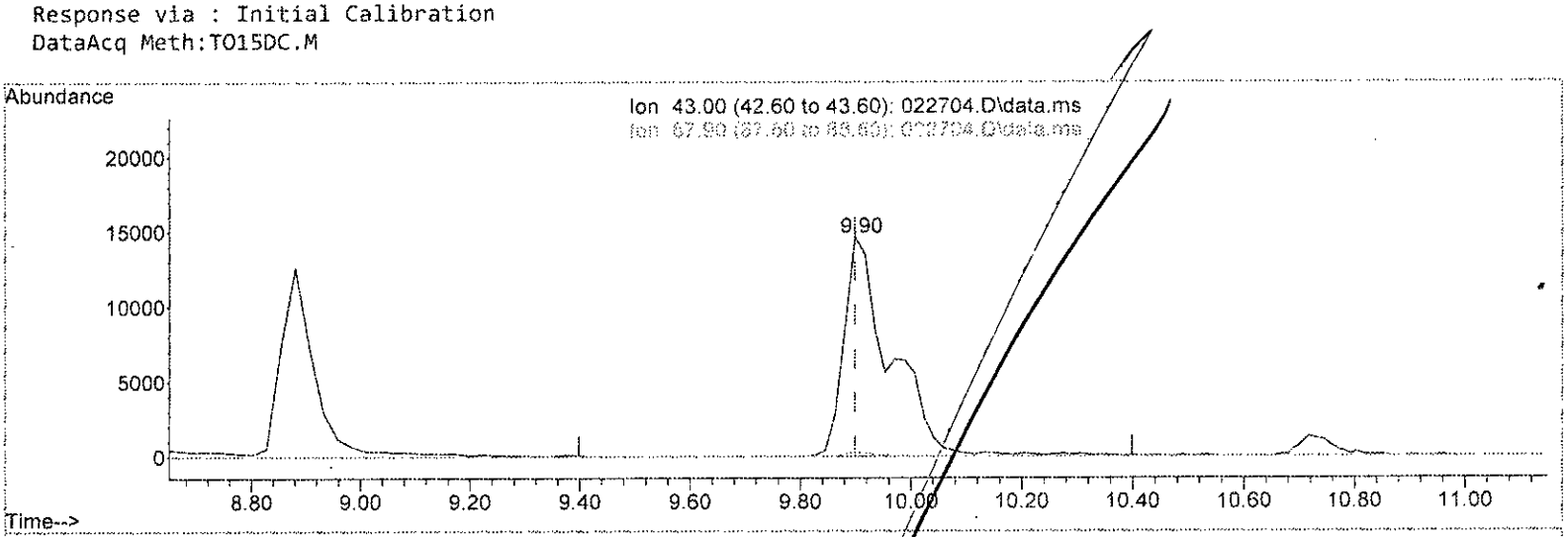
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.69
0.00	0.00	0.00
0.00	0.00	0.00

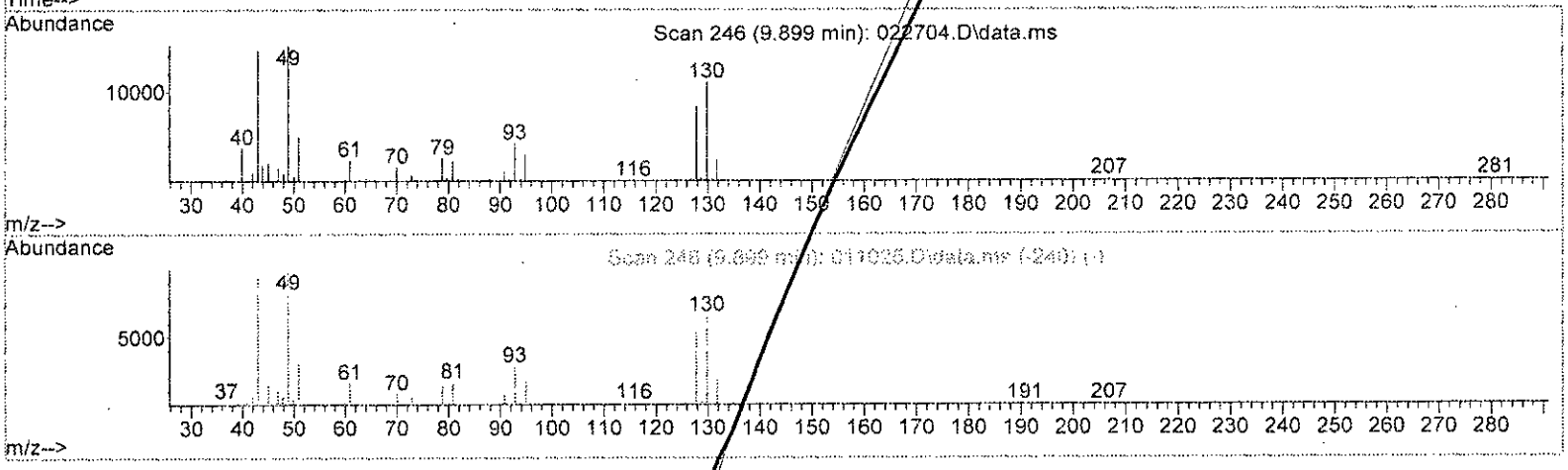
2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 022704.D\data.ms

(31) Ethyl acetate (TMP)

9.899min (+ 0.000) 3.414 ppbv

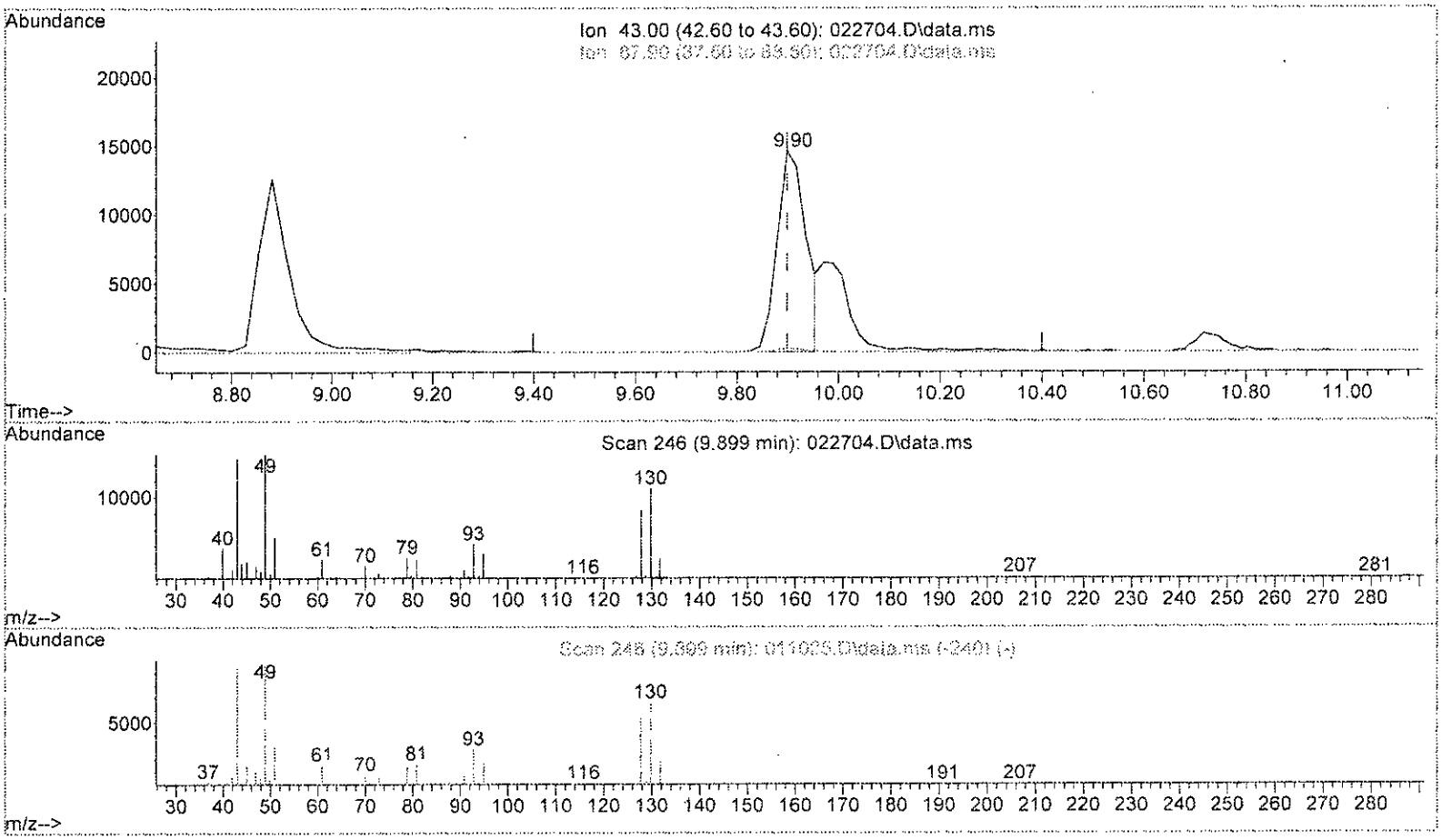
response 83351

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.07#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(31) Ethyl acetate (TMP)

9.899min (+ 0.000) 2.384 ppbv m

response 58207

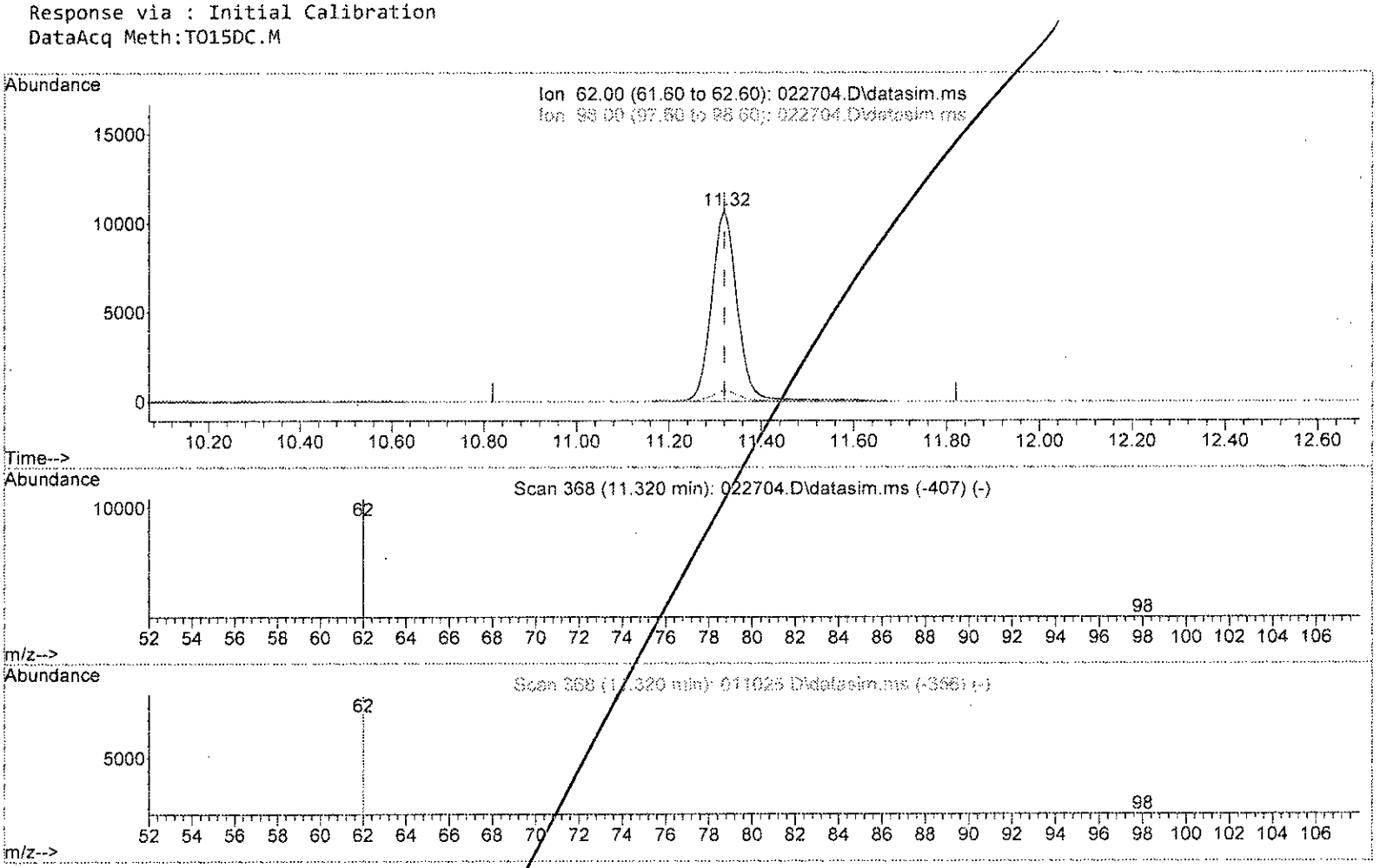
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.54
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.565 ppbv

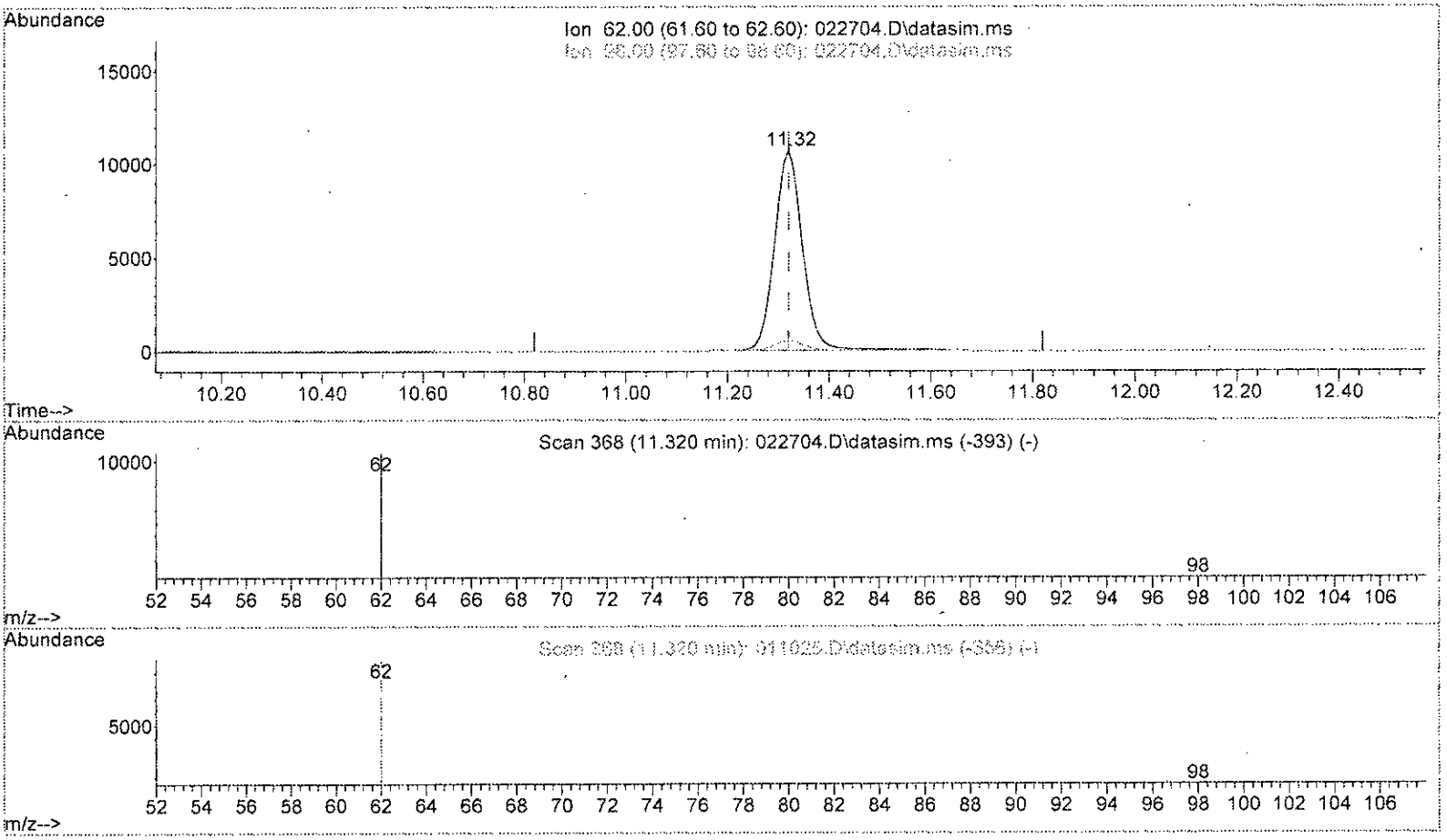
response 42158

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.458 ppbv m

response 40403

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.46
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	69512	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	288796	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	262099	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	183396	10.530	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.30%				
Target Compounds							Qvalue
2) Propene	3.41	41	22787	2.597	ppbv		97
3) Dichlorodifluoromethane	3.49	85	67218	2.369	ppbv		98
4] Chloromethane	3.73	50	30350m	2.606	ppbv		
5) F-114	3.84	85	72818	2.513	ppbv		95
6] Vinyl chloride	4.05	62	29792	2.503	ppbv		99
7] 1,3-Butadiene	4.25	54	17508	2.336	ppbv	#	92
8) Butane	4.32	43	36351	2.550	ppbv		94
9) Bromomethane	4.60	94	31072	2.635	ppbv		95
10] Chloroethane	4.84	64	11025m	2.501	ppbv		
11] Vinyl bromide	5.30	106	27315m	2.475	ppbv		
12) Ethanol	4.92	45	9435	2.624	ppbv		98
13] Acrolein	5.38	56	8337	2.287	ppbv		92
14) Pentane	6.25	43	38086	2.341	ppbv		96
15) Trichlorofluoromethane	5.80	101	79471	2.559	ppbv		95
16) Acetone	5.56	58	13010	2.560	ppbv		88
17) 2-Propanol	5.78	45	47952	2.443	ppbv	#	98
18] 1,1-Dichloroethene	6.63	96	25893	2.445	ppbv		84
19] trans-1,2-Dichloroethene	8.07	96	25528	2.450	ppbv		85
20) Methylene chloride	6.78	84	27786	2.773	ppbv		92
21) t-Butyl alcohol (TBA)	6.57	59	39085	2.379	ppbv	#	63
22) 3-Chloropropene	6.94	41	32835	2.464	ppbv		97
23) CFC-113	7.12	101	60608	2.578	ppbv		92
24) Carbon disulfide	7.22	76	86245	2.533	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	52019	2.358	ppbv		96
26) Vinyl acetate	8.51	43	56214m	2.290	ppbv		
27] 1,1-Dichloroethane	8.33	63	55443	2.488	ppbv		96
28] cis-1,2-Dichloroethene	9.62	96	26782	2.368	ppbv		97
29) Hexane	9.99	57	32252	2.270	ppbv		92
30] Chloroform	10.07	83	64603	2.467	ppbv		96
31) Ethyl acetate	9.90	43	58207m	2.384	ppbv		
32) Tetrahydrofuran	10.73	42	26483	2.050	ppbv		100
33) 2-Butanone (MEK)	8.88	72	10178	2.722	ppbv	#	87
34] 1,2-Dichloroethane (EDC)	11.32	62	40403m	2.458	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	55230	2.521	ppbv		97
36] Carbon tetrachloride	12.84	117	57740	2.504	ppbv		100
37] Benzene	12.59	78	84831	2.293	ppbv		96
38) Cyclohexane	13.05	84	19653	2.185	ppbv		95
40] 1,2-Dichloropropane	13.79	63	41146	2.568	ppbv		99

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

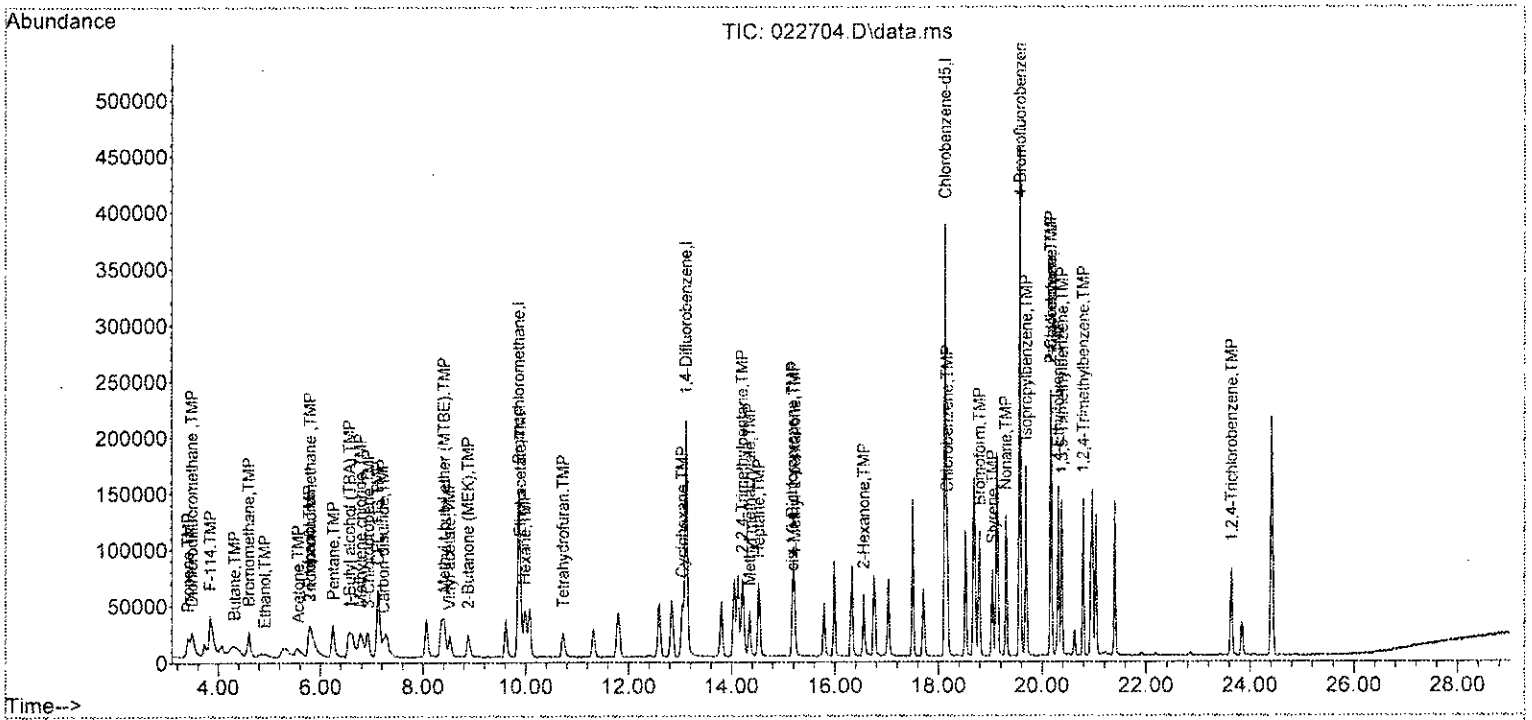
Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

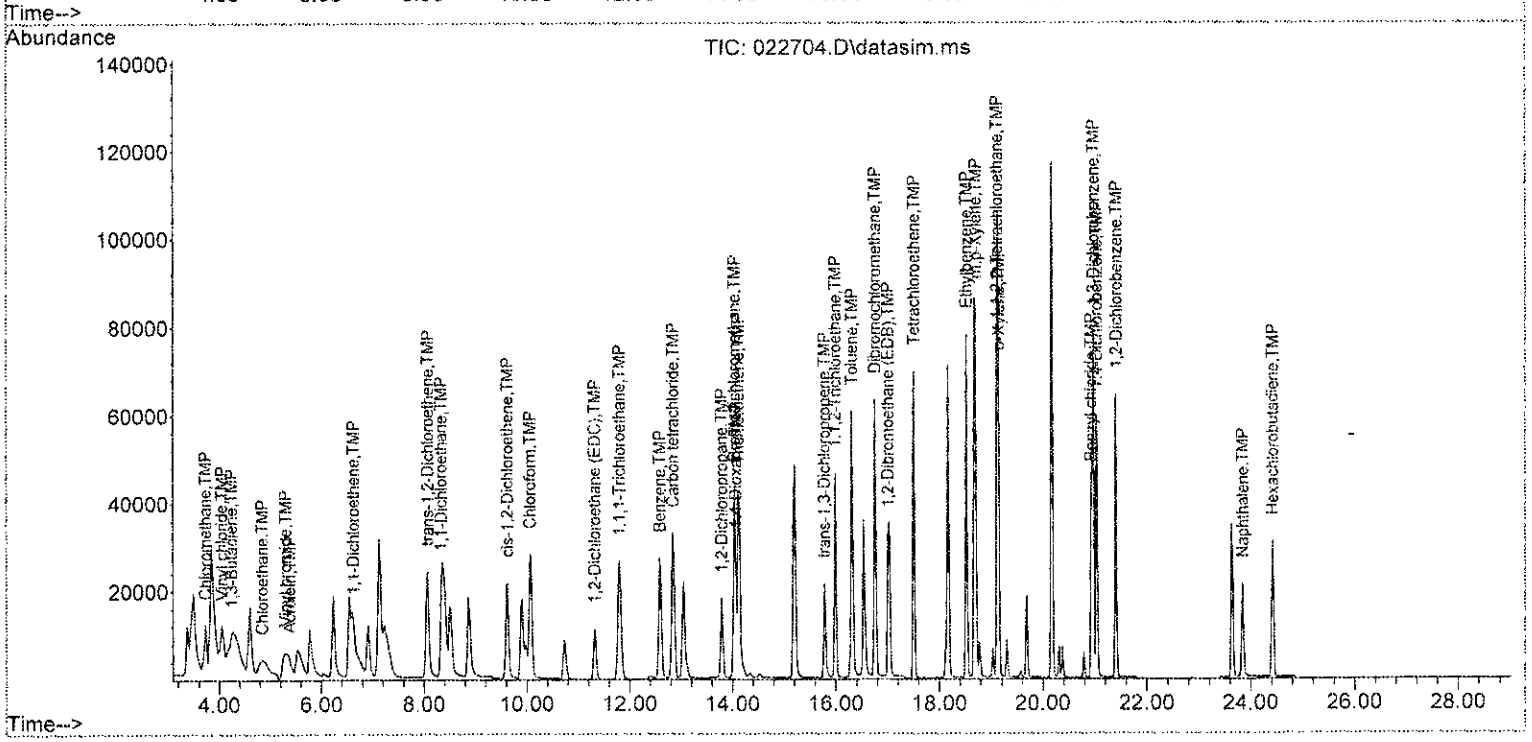
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	16321	2.434	ppbv		92
42) 2,2,4-Trimethylpentane	14.20	57	112087	2.392	ppbv	#	89
43) Methyl methacrylate	14.35	41	34956	2.676	ppbv		99
44) Heptane	14.52	43	47753	2.501	ppbv		99
45] Bromodichloromethane	14.04	83	67243	2.574	ppbv		96
46] Trichloroethene	14.11	95	42536	2.543	ppbv		83
47) cis-1,3-Dichloropropene	15.18	75	48267	2.659	ppbv		100
48) 4-Methyl-2-pentanone	15.22	100	2960	2.411	ppbv	#	74
49] trans-1,3-Dichloropropene	15.78	75	42587	2.493	ppbv		90
50] Toluene	16.31	92	51096	2.409	ppbv		93
51] 1,1,2-Trichloroethane	15.99	83	41604	2.651	ppbv		87
52) 2-Hexanone	16.55	43	56429	2.587	ppbv		94
53] Tetrachloroethene	17.51	164	36110	2.643	ppbv		96
54] Dibromochloromethane	16.75	129	67049	2.545	ppbv		97
55] 1,2-Dibromoethane (EDB)	17.01	107	59234	2.492	ppbv		79
57) Chlorobenzene	18.16	112	74000	2.453	ppbv		100
58] Ethylbenzene	18.52	91	110915	2.162	ppbv		93
59] 1,1,2,2-Tetrachloroethane	19.11	83	98924	2.443	ppbv		92
60) Nonane	19.30	43	62673	2.352	ppbv		99
61) Isopropylbenzene	19.69	105	119560	2.442	ppbv		99
62) 2-Chlorotoluene	20.17	126	29337	2.414	ppbv		88
63) Propylbenzene	20.17	91	224503	2.500	ppbv		98
64) 4-Ethyltoluene	20.31	105	98470	2.310	ppbv		99
65] m,p-Xylene	18.70	106	79602	4.740	ppbv		92
66] o-Xylene	19.15	106	39880	2.393	ppbv		92
67) Styrene	19.04	104	51114	2.321	ppbv		94
68) Bromoform	18.79	173	69634	2.502	ppbv		99
70] Benzyl chloride	20.93	91	79238	2.792	ppbv		89
71) 1,3,5-Trimethylbenzene	20.38	105	101981	2.529	ppbv		99
72) 1,2,4-Trimethylbenzene	20.79	105	81128	2.322	ppbv		99
73] 1,3-Dichlorobenzene	20.97	146	68609	2.572	ppbv		95
74] 1,4-Dichlorobenzene	21.03	146	61883	2.536	ppbv		85
75] 1,2-Dichlorobenzene	21.41	146	70654	2.591	ppbv		91
76) 1,2,4-Trichlorobenzene	23.64	180	39150	2.458	ppbv		98
77] Naphthalene	23.84	128	45697	2.213	ppbv		100
78] Hexachlorobutadiene	24.42	225	67518	2.512	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	TMP	Propene	2.500	2.597	-3.9	97	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.369	5.2	85	0.00
4	TMP	Chloromethane	2.500	2.606	-4.2	100	0.04
5	TMP	F-114	2.500	2.513	-0.5	90	0.00
6	TMP	Vinyl chloride	2.500	2.503	-0.1	89	0.00
7	TMP	1,3-Butadiene	2.500	2.336	6.6	83	0.08
8	TMP	Butane	2.500	2.550	-2.0	89	0.04
9	TMP	Bromomethane	2.500	2.635	-5.4	93	0.00
10	TMP	Chloroethane	2.500	2.501	-0.0	88	0.04
11	TMP	Vinyl bromide	2.500	2.475	1.0	85	0.02
12	TMP	Ethanol	2.500	2.624	-5.0	94	0.00
13	TMP	Acrolein	2.500	2.287	8.5	79	0.00
14	TMP	Pentane	2.500	2.341	6.4	80	0.03
15	TMP	Trichlorofluoromethane	2.500	2.559	-2.4	88	0.00
16	TMP	Acetone	2.500	2.560	-2.4	101	0.04
17	TMP	2-Propanol	2.500	2.443	2.3	86	0.02
18	TMP	1,1-Dichloroethene	2.500	2.445	2.2	87	0.03
19	TMP	trans-1,2-Dichloroethene	2.500	2.450	2.0	86	0.00
20	TMP	Methylene chloride	2.500	2.773	-10.9	96	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.379	4.8	85	0.03
22	TMP	3-Chloropropene	2.500	2.464	1.4	91	0.03
23	TMP	CFC-113	2.500	2.578	-3.1	90	0.00
24	TMP	Carbon disulfide	2.500	2.533	-1.3	89	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.358	5.7	85	0.00
26	TMP	Vinyl acetate	2.500	2.290	8.4	87	0.00
27	TMP	1,1-Dichloroethane	2.500	2.488	0.5	88	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.368	5.3	85	0.02
29	TMP	Hexane	2.500	2.270	9.2	82	0.00
30	TMP	Chloroform	2.500	2.467	1.3	88	0.00
31	TMP	Ethyl acetate	2.500	2.384	4.6	85	0.00
32	TMP	Tetrahydrofuran	2.500	2.050	18.0	69	0.00
33	TMP	2-Butanone (MEK)	2.500	2.722	-8.9	94	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.458	1.7	88	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.521	-0.8	90	0.00
36	TMP	Carbon tetrachloride	2.500	2.504	-0.2	88	0.00
37	TMP	Benzene	2.500	2.293	8.3	84	0.00
38	TMP	Cyclohexane	2.500	2.185	12.6	78	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	87	0.00
40	TMP	1,2-Dichloropropane	2.500	2.568	-2.7	86	0.00
41	TMP	1,4-Dioxane	2.500	2.434	2.6	81	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.392	4.3	80	0.00
43	TMP	Methyl methacrylate	2.500	2.676	-7.0	91	0.00

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.501	-0.0	83	0.00
45	TMP	Bromodichloromethane	2.500	2.574	-3.0	86	0.00
46	TMP	Trichloroethene	2.500	2.543	-1.7	88	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.659	-6.4	88	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.411	3.6	80	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.493	0.3	88	0.00
50	TMP	Toluene	2.500	2.409	3.6	82	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.651	-6.0	92	0.00
52	TMP	2-Hexanone	2.500	2.587	-3.5	86	0.00
53	TMP	Tetrachloroethene	2.500	2.643	-5.7	89	0.00
54	TMP	Dibromochloromethane	2.500	2.545	-1.8	85	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.492	0.3	87	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
57	TMP	Chlorobenzene	2.500	2.453	1.9	88	0.00
58	TMP	Ethylbenzene	2.500	2.162	13.5	81	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.443	2.3	90	0.00
60	TMP	Nonane	2.500	2.352	5.9	84	0.00
61	TMP	Isopropylbenzene	2.500	2.442	2.3	87	0.00
62	TMP	2-Chlorotoluene	2.500	2.414	3.4	85	0.00
63	TMP	Propylbenzene	2.500	2.500	0.0	86	0.00
64	TMP	4-Ethyltoluene	2.500	2.310	7.6	85	0.00
65	TMP	m,p-Xylene	5.000	4.740	5.2	82	0.00
66	TMP	o-Xylene	2.500	2.393	4.3	84	0.00
67	TMP	Styrene	2.500	2.321	7.2	80	0.00
68	TMP	Bromoform	2.500	2.502	-0.1	88	0.00
69	S	4-Bromofluorobenzene	10.000	10.530	-5.3	93	0.00
70	TMP	Benzyl chloride	2.500	2.792	-11.7	99	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.529	-1.2	87	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.322	7.1	81	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.572	-2.9	91	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.536	-1.4	90	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.591	-3.6	91	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.458	1.7	105	0.00
77	TMP	Naphthalene	2.500	2.213	11.5	92	0.00
78	TMP	Hexachlorobutadiene	2.500	2.512	-0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	TMP	Propene	1.286	1.311	-1.9	97	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.868	5.2	85	0.00
4	TMP	Chloromethane	1.676	1.746	-4.2	100	0.04
5	TMP	F-114	4.169	4.190	-0.5	90	0.00
6	TMP	Vinyl chloride	1.712	1.714	-0.1	89	0.00
7	TMP	1,3-Butadiene	1.078	1.007	6.6	83	0.08
8	TMP	Butane	2.051	2.092	-2.0	89	0.04
9	TMP	Bromomethane	1.696	1.788	-5.4	93	0.00
10	TMP	Chloroethane	0.634	0.634	0.0	88	0.04
11	TMP	Vinyl bromide	1.588	1.572	1.0	85	0.02
12	TMP	Ethanol	0.538	0.543	-0.9	94	0.00
13	TMP	Acrolein	0.525	0.480	8.6	79	0.00
14	TMP	Pentane	2.340	2.192	6.3	80	0.03
15	TMP	Trichlorofluoromethane	4.468	4.573	-2.4	88	0.00
16	TMP	Acetone	0.731	0.749	-2.5	101	0.04
17	TMP	2-Propanol	2.824	2.759	2.3	86	0.02
18	TMP	1,1-Dichloroethene	1.523	1.490	2.2	87	0.03
19	TMP	trans-1,2-Dichloroethene	1.499	1.469	2.0	86	0.00
20	TMP	Methylene chloride	1.441	1.599	-11.0	96	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.249	4.9	85	0.03
22	TMP	3-Chloropropene	1.917	1.889	1.5	91	0.03
23	TMP	CFC-113	3.382	3.488	-3.1	90	0.00
24	TMP	Carbon disulfide	4.899	4.963	-1.3	89	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	2.993	5.7	85	0.00
26	TMP	Vinyl acetate	3.532	3.235	8.4	87	0.00
27	TMP	1,1-Dichloroethane	3.205	3.190	0.5	88	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.541	5.3	85	0.02
29	TMP	Hexane	2.044	1.856	9.2	82	0.00
30	TMP	Chloroform	3.767	3.718	1.3	88	0.00
31	TMP	Ethyl acetate	3.512	3.349	4.6	85	0.00
32	TMP	Tetrahydrofuran	1.858	1.524	18.0	69	0.00
33	TMP	2-Butanone (MEK)	0.538	0.586	-8.9	94	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.325	1.7	88	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.178	-0.8	90	0.00
36	TMP	Carbon tetrachloride	3.318	3.323	-0.2	88	0.00
37	TMP	Benzene	5.322	4.882	8.3	84	0.00
38	TMP	Cyclohexane	1.294	1.131	12.6	78	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
40	TMP	1,2-Dichloropropane	0.555	0.570	-2.7	86	0.00
41	TMP	1,4-Dioxane	0.232	0.226	2.6	81	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.552	4.4	80	0.00
43	TMP	Methyl methacrylate	0.452	0.484	-7.1	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.661	0.0	83	0.00
45	TMP	Bromodichloromethane	0.905	0.931	-2.9	86	0.00
46	TMP	Trichloroethene	0.579	0.589	-1.7	88	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.669	-6.4	88	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	80	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.590	0.3	88	0.00
50	TMP	Toluene	0.734	0.708	3.5	82	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.576	-6.1	92	0.00
52	TMP	2-Hexanone	0.755	0.782	-3.6	86	0.00
53	TMP	Tetrachloroethene	0.473	0.500	-5.7	89	0.00
54	TMP	Dibromochloromethane	0.912	0.929	-1.9	85	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.820	0.4	87	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
57	TMP	Chlorobenzene	1.151	1.129	1.9	88	0.00
58	TMP	Ethylbenzene	1.957	1.693	13.5	81	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.510	2.3	90	0.00
60	TMP	Nonane	1.017	0.956	6.0	84	0.00
61	TMP	Isopropylbenzene	1.868	1.825	2.3	87	0.00
62	TMP	2-Chlorotoluene	0.464	0.448	3.4	85	0.00
63	TMP	Propylbenzene	3.426	3.426	0.0	86	0.00
64	TMP	4-Ethyltoluene	1.627	1.503	7.6	85	0.00
65	TMP	m,p-Xylene	0.641	0.607	5.3	82	0.00
66	TMP	o-Xylene	0.636	0.609	4.2	84	0.00
67	TMP	Styrene	0.840	0.780	7.1	80	0.00
68	TMP	Bromoform	1.062	1.063	-0.1	88	0.00
69	S	4-Bromofluorobenzene	0.665	0.700	-5.3	93	0.00
70	TMP	Benzyl chloride	1.083	1.209	-11.6	99	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.556	-1.1	87	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.238	7.1	81	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.047	-2.8	91	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.944	-1.4	90	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.078	-3.7	91	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.597	-0.3	105	0.00
77	TMP	Naphthalene	0.967	0.697	27.9	92	0.00
78	TMP	Hexachlorobutadiene	1.025	1.030	-0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPA TO-15
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : D:\GCMS7 Methods\0127TO15ss7.M (RTE Integrator)
Title : TO-15 SS method
Last Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration

Non-Spiked Sample: 022712.D

	Spike Sample	Spike Duplicate Sample
File ID :	022704.D	022704.D
Sample :	03-0356 lcs/ 2.5 ppbv 68-128a	03-0356 lcs/ 2.5 ppbv 68-128a
Acq Time:	27 Feb 2023 12:50 pm	27 Feb 2023 12:50 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Propene	0.0	3	3	3	104	104	0	20	70-130
Dichlorodifluorometh	0.0	3	2	2	95	95	0	20	70-130
Chloromethane	0.0	3	3	3	104	104	0	20	70-130
F-114	0.0	3	3	3	101	101	0	20	70-130
Vinyl chloride	0.0	3	3	3	100	100	0	20	70-130
1,3-Butadiene	0.0	3	2	2	93	93	0	20	70-130
Butane	0.0	3	3	3	102	102	0	20	70-130
Bromomethane	0.0	3	3	3	105	105	0	20	70-130
Chloroethane	0.0	3	3	3	100	100	0	20	70-130
Vinyl bromide	0.0	3	2	2	99	99	0	20	70-130
Ethanol	0.0	3	3	3	105	105	0	20	70-130
Acrolein	0.0	3	2	2	91	91	0	20	70-130
Pentane	0.0	3	2	2	94	94	0	20	70-130
Trichlorofluorometha	0.0	3	3	3	102	102	0	20	70-130
Acetone	0.0	3	3	3	102	102	0	20	70-130
2-Propanol	0.0	3	2	2	97	97	0	20	70-130
1,1-Dichloroethene	0.0	3	2	2	98	98	0	20	70-130
trans-1,2-Dichloroet	0.0	3	2	2	98	98	0	20	70-130
Methylene chloride	0.0	3	3	3	110	110	0	20	70-130
t-Butyl alcohol (TBA	0.0	3	2	2	95	95	0	20	70-130
3-Chloropropene	0.0	3	2	2	99	99	0	20	70-130
CFC-113	0.0	3	3	3	103	103	0	20	70-130
Carbon disulfide	0.0	3	3	3	100	100	0	20	70-130
Methyl t-butyl ether	0.0	3	2	2	94	94	0	20	70-130
Vinyl acetate	0.0	3	2	2	92	92	0	20	70-130
1,1-Dichloroethane	0.0	3	2	2	100	100	0	20	70-130
cis-1,2-Dichloroethe	0.0	3	2	2	95	95	0	20	70-130
Hexane	0.0	3	2	2	91	91	0	20	70-130
Chloroform	0.0	3	2	2	99	99	0	20	70-130
Ethyl acetate	0.0	3	2	2	95	95	0	20	70-130
Tetrahydrofuran	0.0	3	2	2	82	82	0	20	70-130
2-Butanone (MEK)	0.0	3	3	3	109	109	0	20	70-130
1,2-Dichloroethane (	0.0	3	2	2	98	98	0	20	70-130
1,1,1-Trichloroethan	0.0	3	3	3	101	101	0	20	70-130
Carbon tetrachloride	0.0	3	3	3	100	100	0	20	70-130
Benzene	0.0	3	2	2	91	91	0	20	70-130

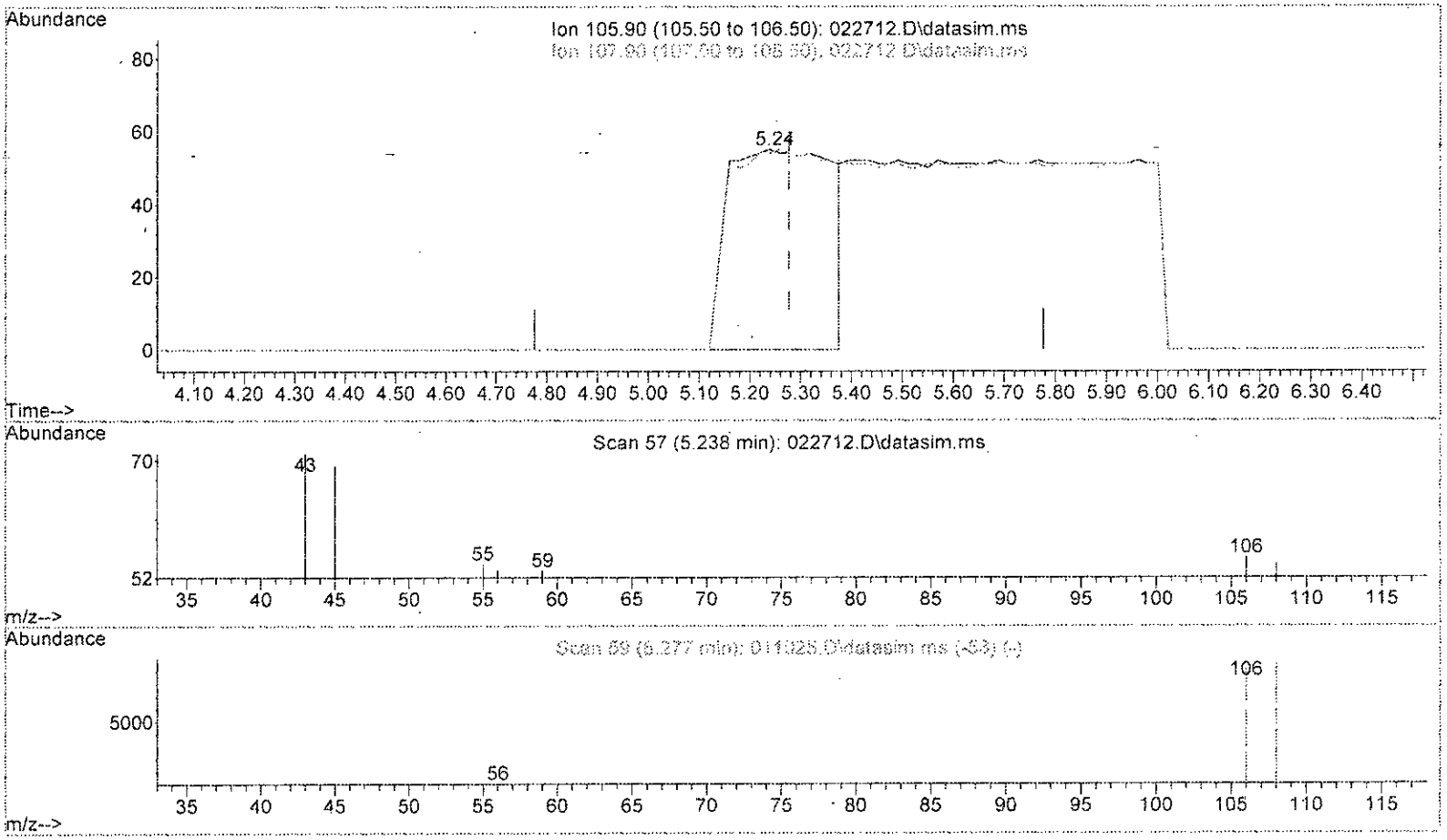
Cyclohexane	0.1	3	2	2	85	85	0	20	70-130
1,2-Dichloropropane	0.0	3	3	3	102	102	0	20	70-130
1,4-Dioxane	0.0	3	2	2	97	97	0	20	70-130
2,2,4-Trimethylpenta	0.0	3	2	2	96	96	0	20	70-130
Methyl methacrylate	0.0	3	3	3	107	107	0	20	70-130
Heptane	0.0	3	3	3	100	100	0	20	70-130
Bromodichloromethane	0.0	3	3	3	103	103	0	20	70-130
Trichloroethene	0.0	3	3	3	102	102	0	20	70-130
cis-1,3-Dichloroprop	0.0	3	3	3	106	106	0	20	70-130
4-Methyl-2-pentanone	0.0	3	2	2	96	96	0	20	70-130
trans-1,3-Dichloropr	0.0	3	2	2	100	100	0	20	70-130
Toluene	0.1	3	2	2	94	94	0	20	70-130
1,1,2-Trichloroethan	0.0	3	3	3	106	106	0	20	70-130
2-Hexanone	0.0	3	3	3	103	103	0	20	70-130
Tetrachloroethene	0.0	3	3	3	105	105	0	20	70-130
Dibromochloromethane	0.0	3	3	3	102	102	0	20	70-130
1,2-Dibromoethane (E	0.0	3	2	2	100	100	0	20	70-130
Chlorobenzene	0.0	3	2	2	98	98	0	20	70-130
Ethylbenzene	0.0	3	2	2	86	86	0	20	70-130
1,1,2,2-Tetrachloroe	0.0	3	2	2	98	98	0	20	70-130
Nonane	0.0	3	2	2	94	94	0	20	70-130
Isopropylbenzene	0.0	3	2	2	97	97	0	20	70-130
2-Chlorotoluene	0.0	3	2	2	97	97	0	20	70-130
Propylbenzene	0.0	3	3	3	100	100	0	20	70-130
4-Ethyltoluene	0.0	3	2	2	92	92	0	20	70-130
m,p-Xylene	0.0	5	5	5	95	95	0	20	70-130
o-Xylene	0.0	3	2	2	95	95	0	20	70-130
Styrene	0.0	3	2	2	92	92	0	20	70-130
Bromoform	0.0	3	3	3	100	100	0	20	70-130
Benzyl chloride	0.0	3	3	3	112	112	0	20	70-130
1,3,5-Trimethylbenze	0.0	3	3	3	101	101	0	20	70-130
1,2,4-Trimethylbenze	0.0	3	2	2	93	93	0	20	70-130
1,3-Dichlorobenzene	0.0	3	3	3	103	103	0	20	70-130
1,4-Dichlorobenzene	0.0	3	3	3	101	101	0	20	70-130
1,2-Dichlorobenzene	0.0	3	3	3	104	104	0	20	70-130
1,2,4-Trichlorobenze	0.0	3	2	2	98	98	0	20	70-130
Naphthalene	0.0	3	2	2	88	88	0	20	70-130
Hexachlorobutadiene	0.0	3	3	3	100	100	0	20	70-130

- Fails Limit Check

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(11) Vinyl bromide (TMP)

5.238min (-0.039) 0.083 ppbv

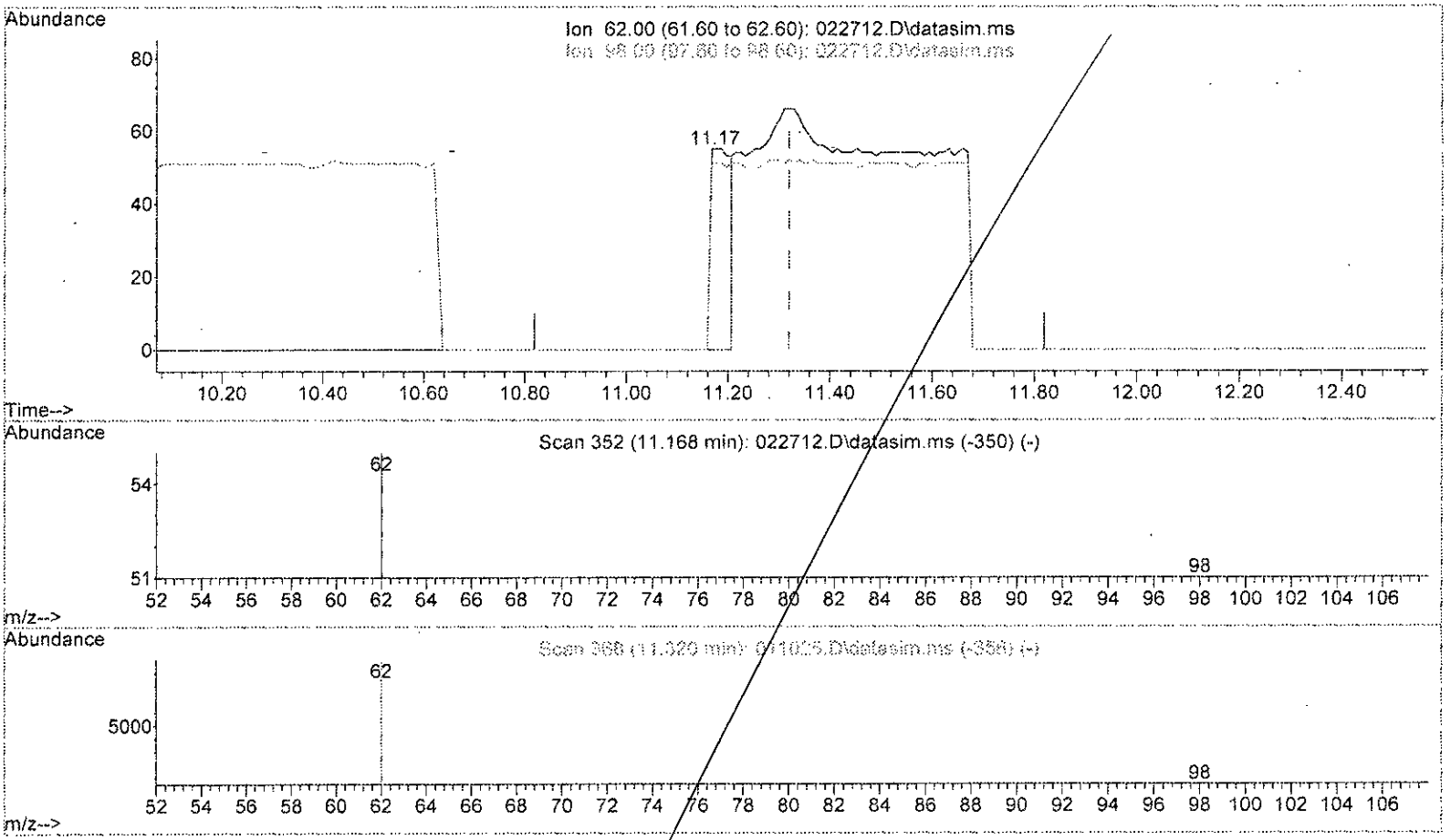
response 866

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	126.91#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.168min (-0.152) 0.010 ppbv
response 154

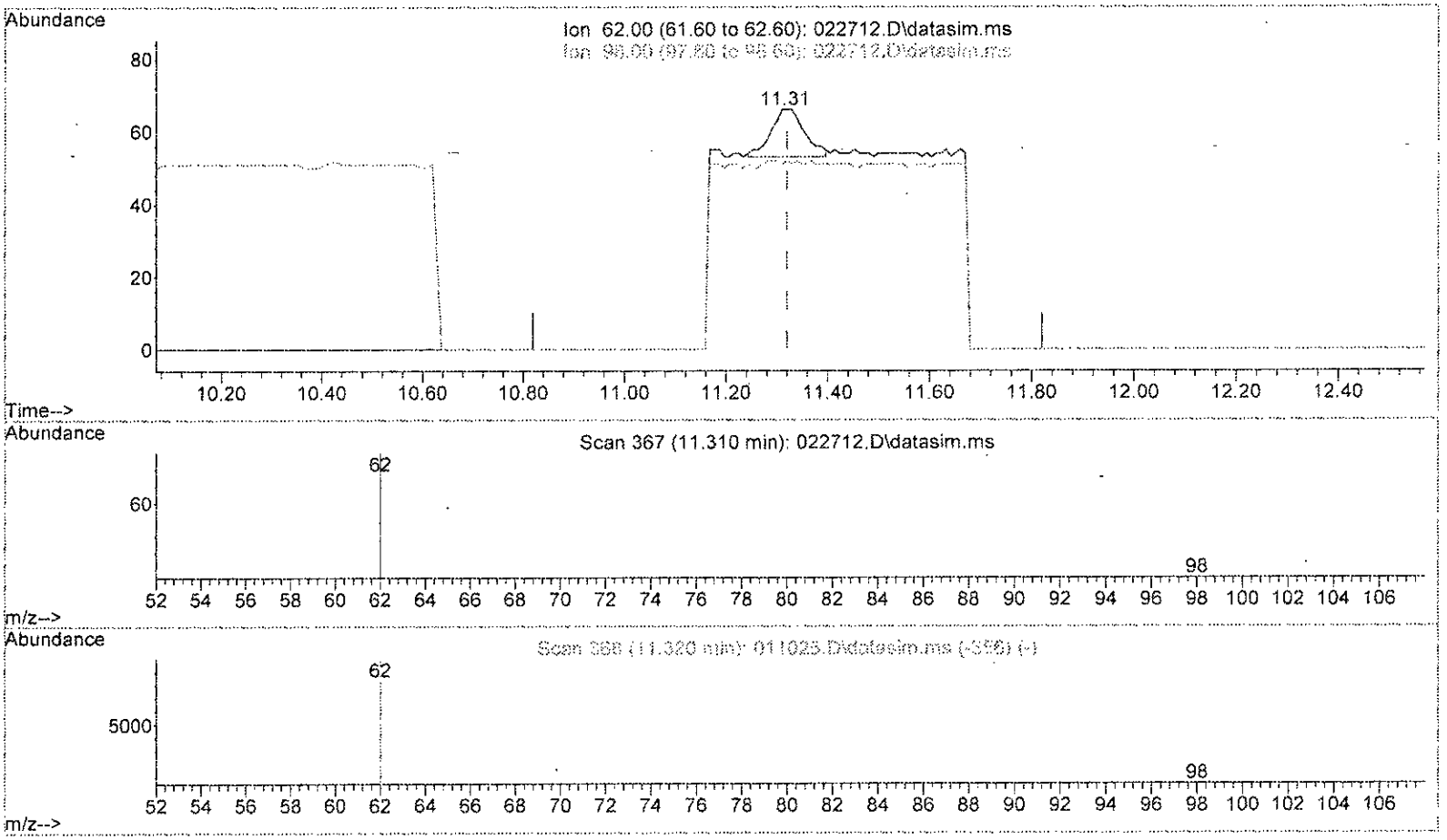
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	92.73#
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.310min (-0.010) 0.004 ppbv m

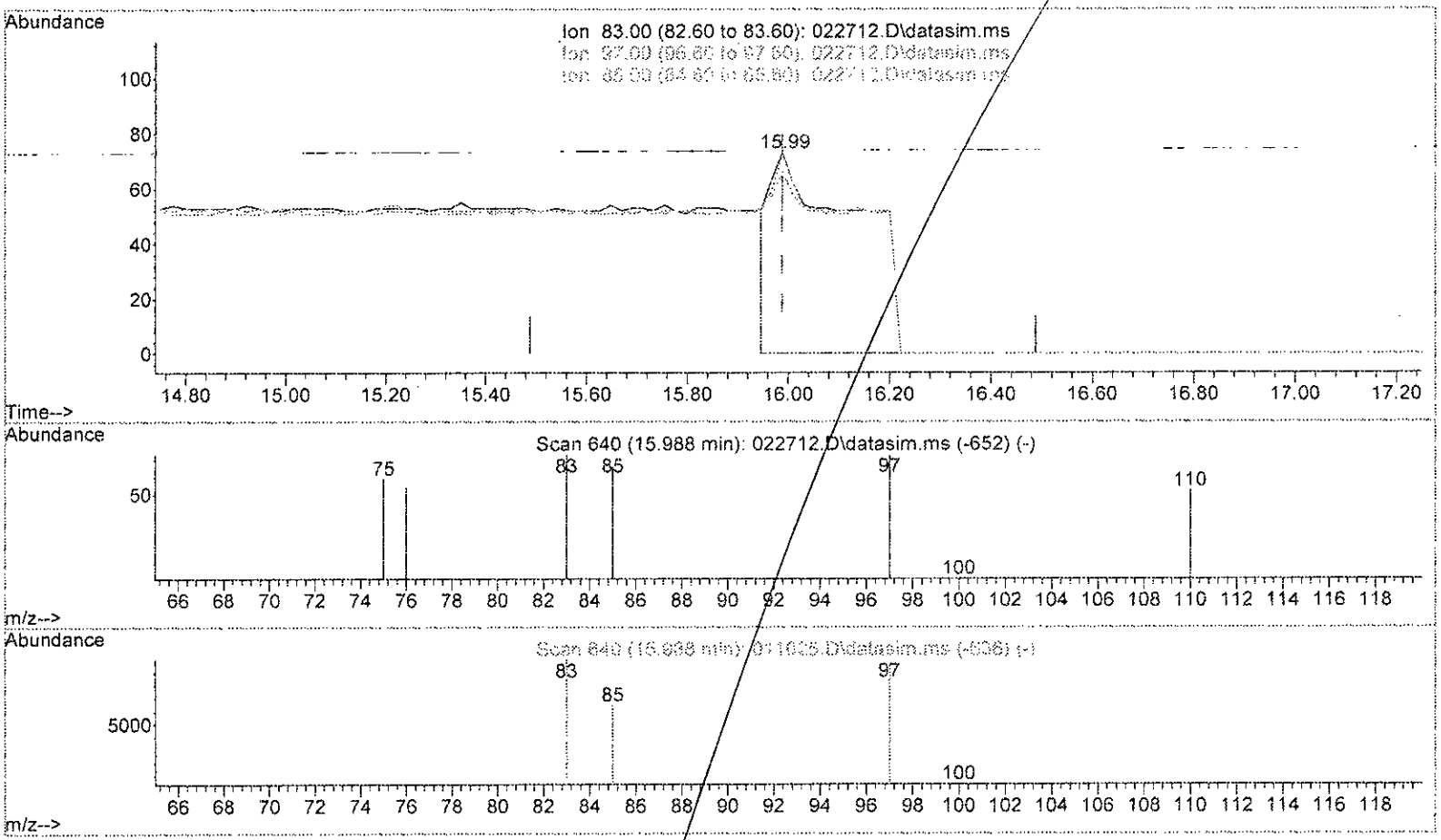
response 60

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	77.27#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(51) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.061 ppbv

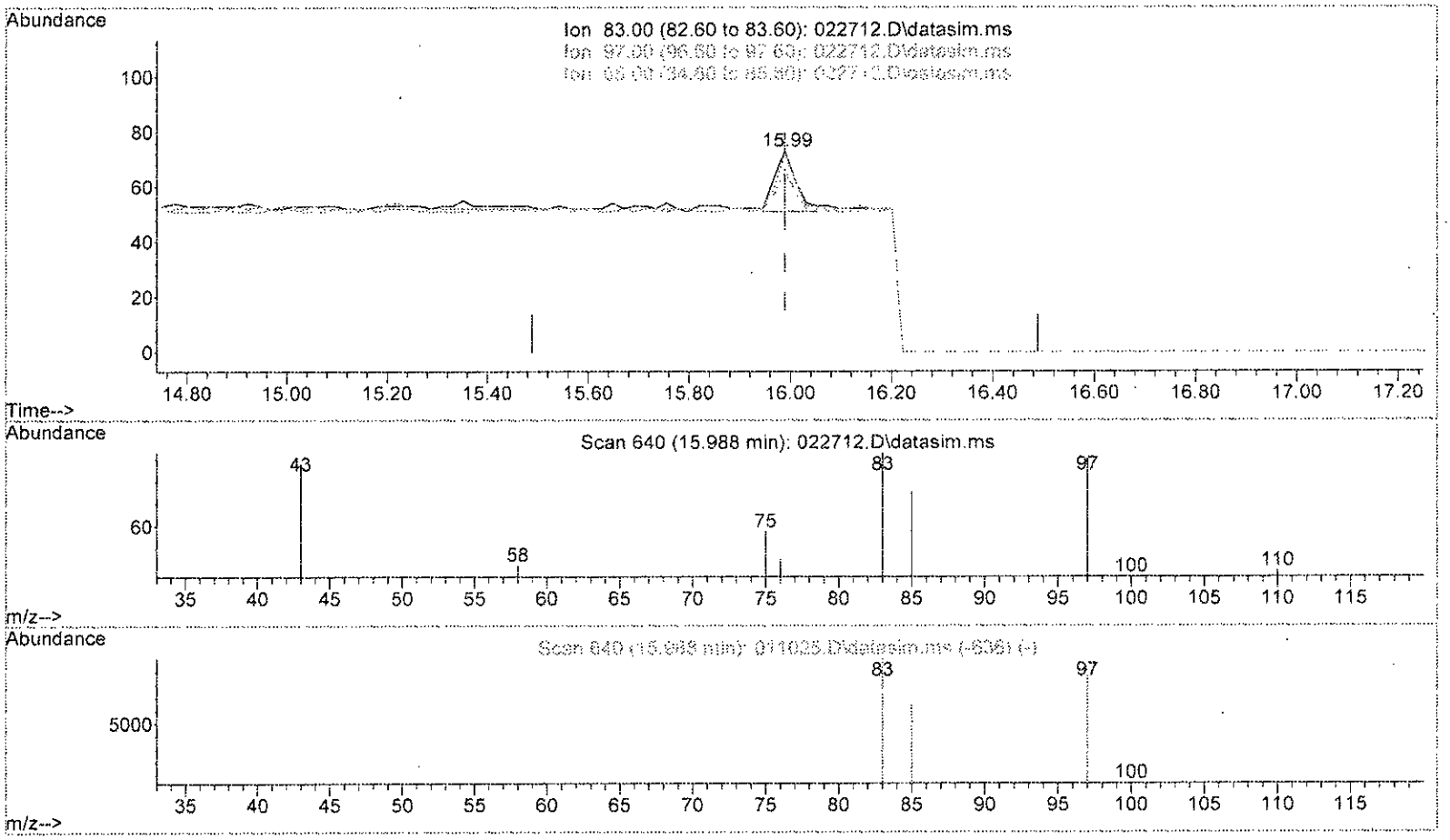
response 873

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	98.63
85.00	60.50	90.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(5i) 1,1,2-Trichloroethane (TMP)

15.988min (-0.001) 0.004 ppbv m

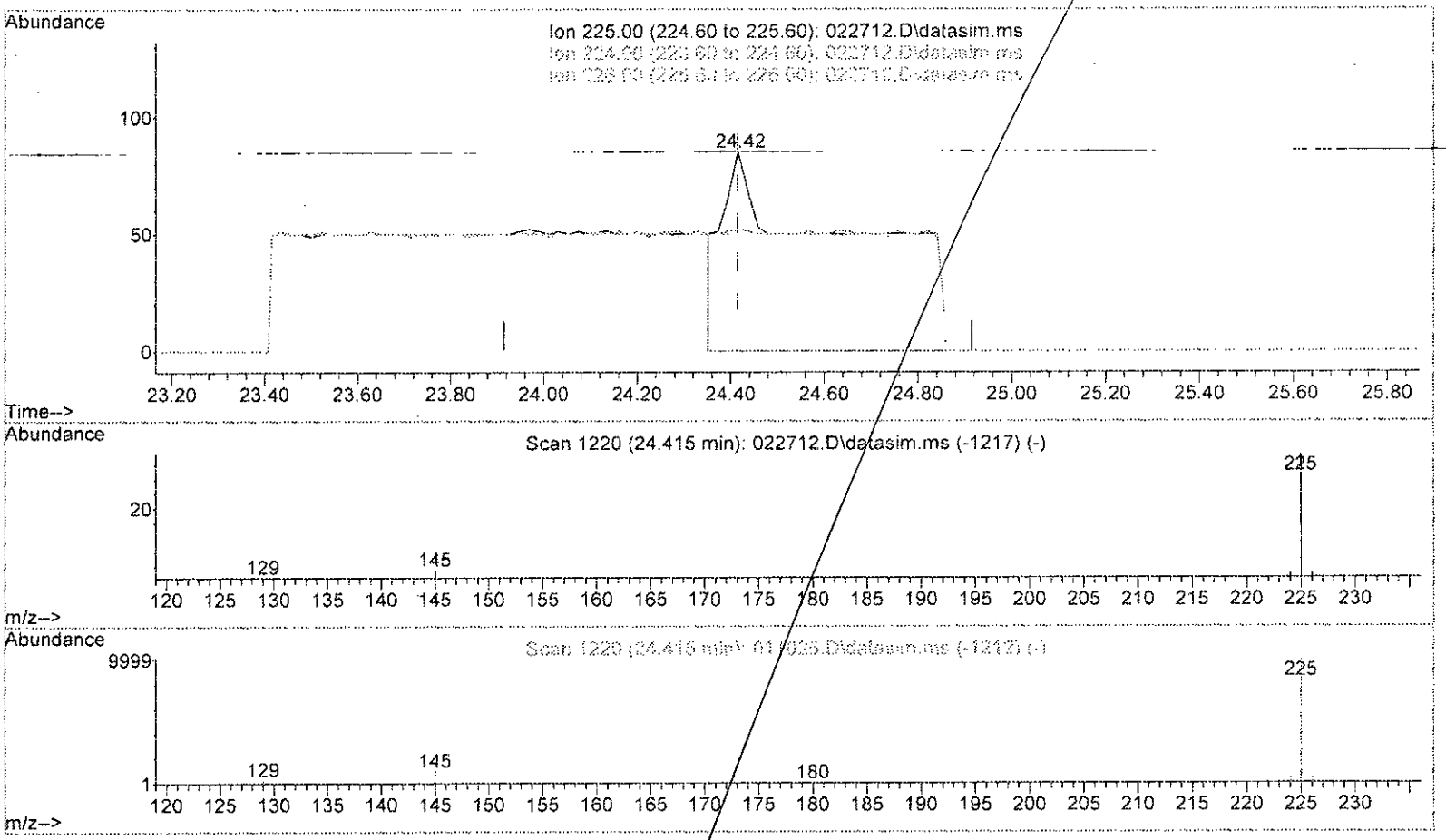
response 64

Ion	Exp%	Act%
83.00	100.00	100.00
97.00	81.80	98.63
85.00	60.50	90.41
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022712.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.063 ppbv

response 1520

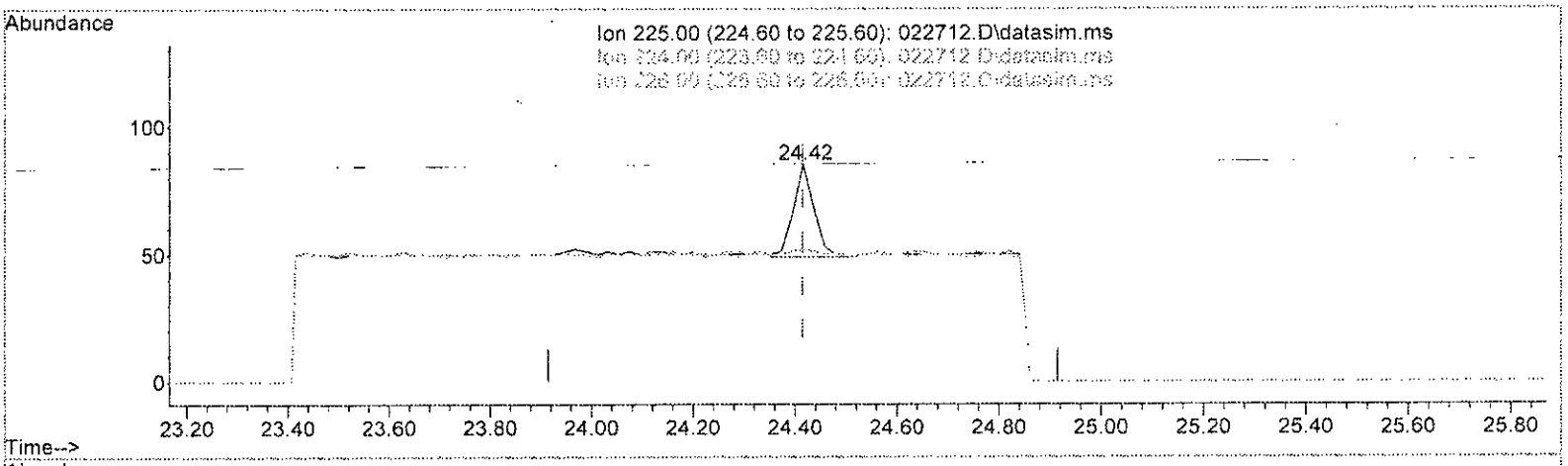
Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	61.18#
226.00	5.20	61.18#
0.00	0.00	0.00

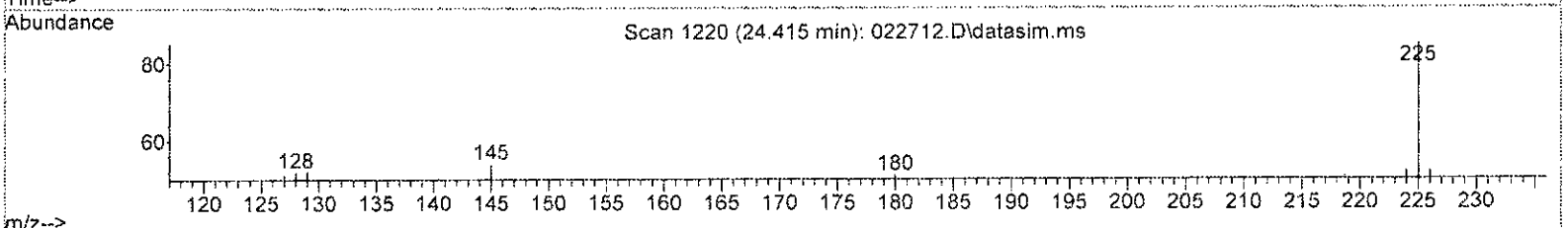
2/28

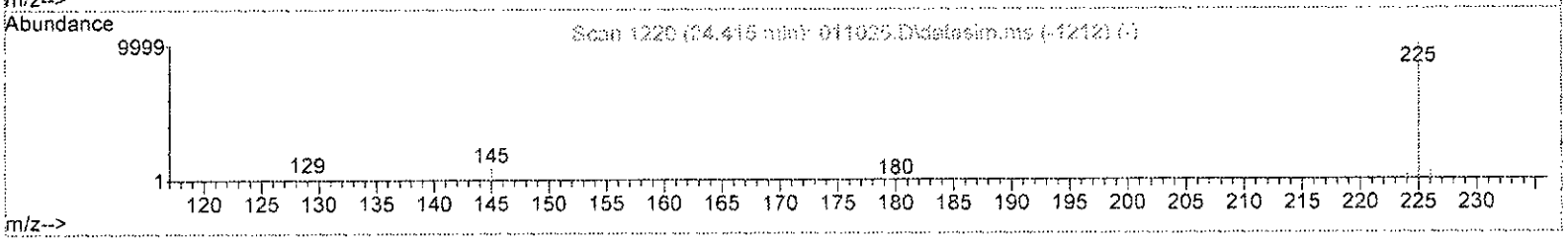
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 022712.D\data.ms

(78) Hexachlorobutadiene (TMP)

24.415min (+ 0.000) 0.004 ppbv m

response 102

Ion	Exp%	Act%
225.00	100.00	100.00
224.00	3.70	61.18#
226.00	5.20	61.18#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

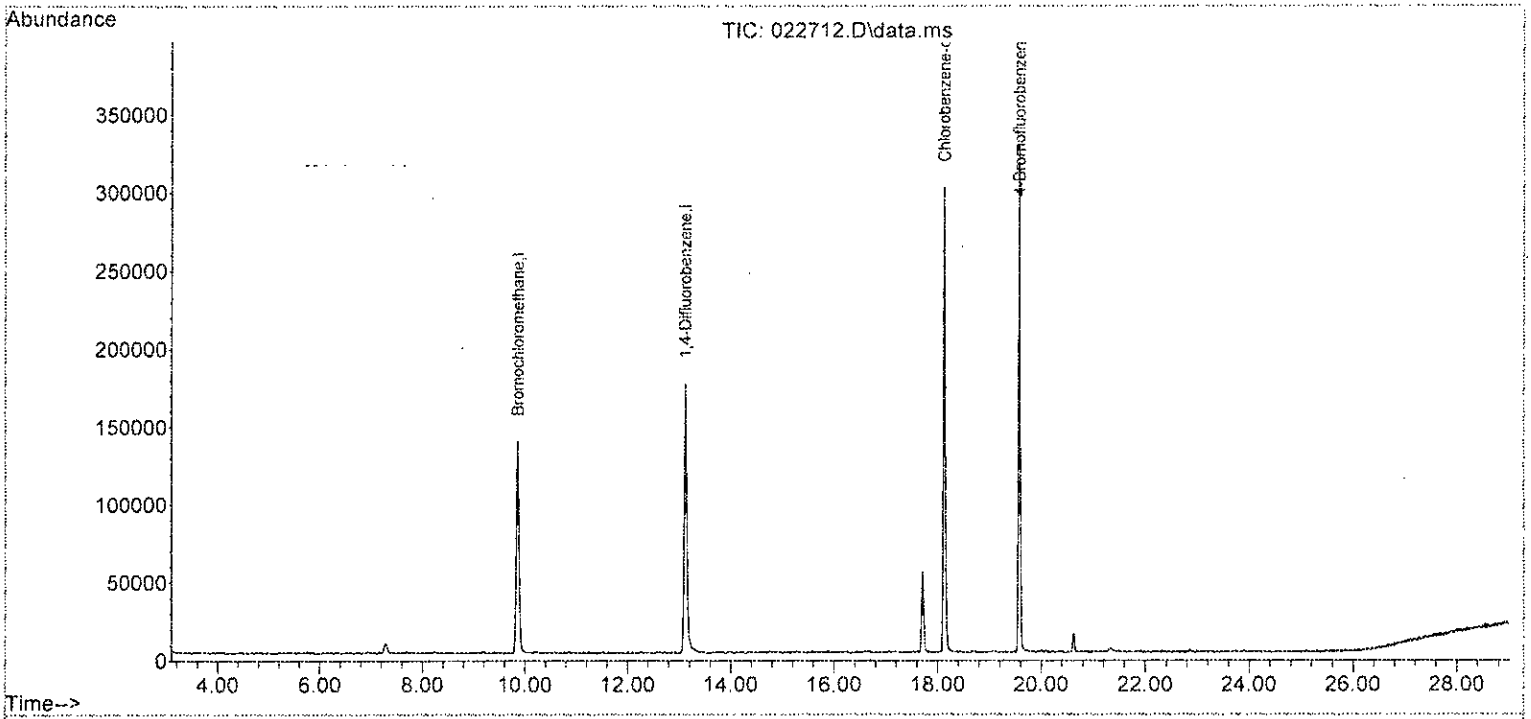
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	65990	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262986	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	235550	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	140861	8.999	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.31	62	60m	0.004	ppbv	
51] 1,1,2-Trichloroethane	15.99	83	64m	0.004	ppbv	
77] Naphthalene	23.88	128	154	0.003	ppbv	95

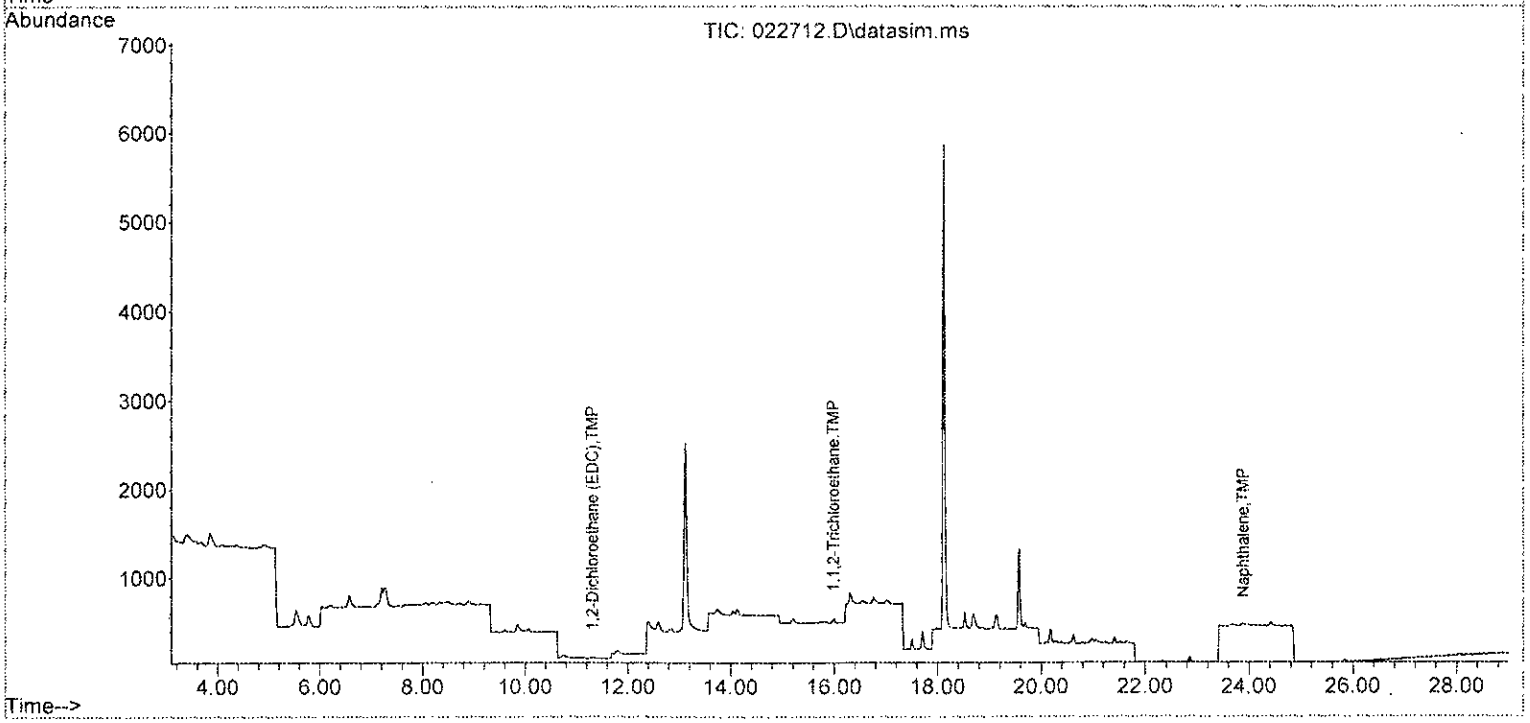
(#) = qualifier out of range (m) = manual integration (+) = signals summed

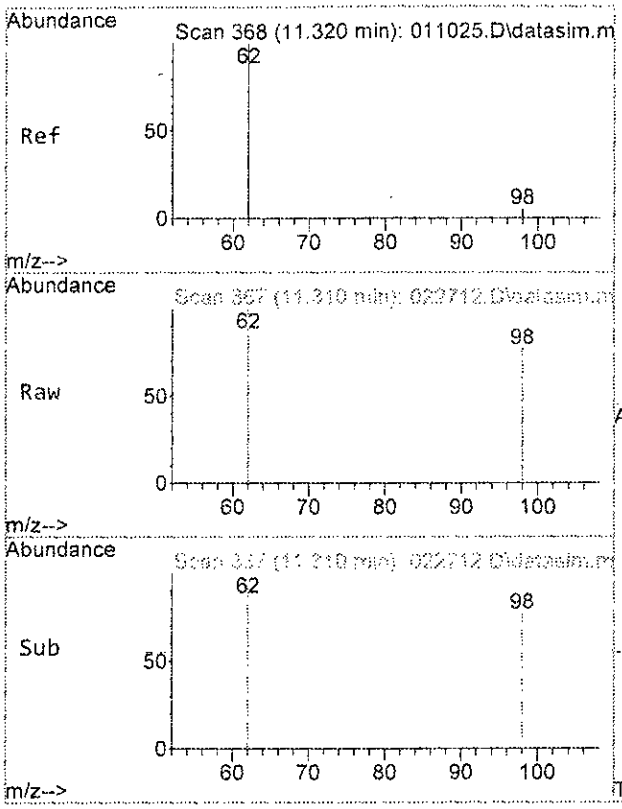
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



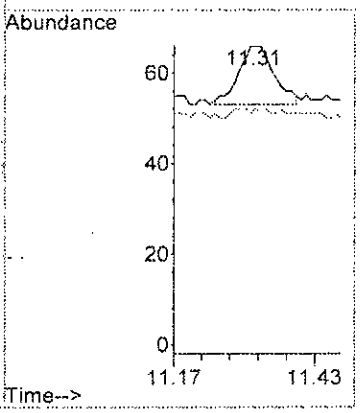


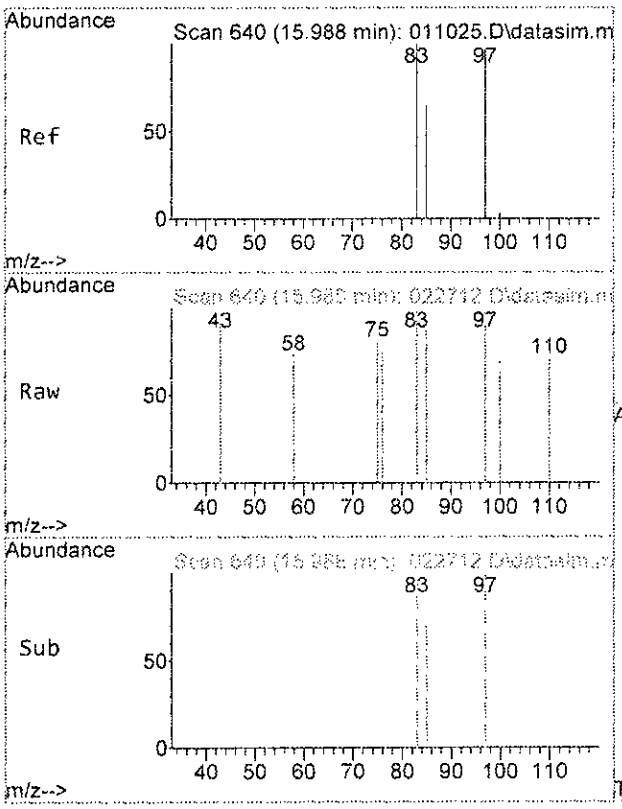


#34
1,2-Dichloroethane (EDC)
Concen: 0.004 ppbv m
RT: 11.31 min Scan# 367
Delta R.T. -0.010 min
Lab File: 022712.D
Acq: 27 Feb 2023 6:02 pm

Tgt Ion: 62 Resp: 60

Ion	Ratio	Lower	Upper
62	100		
98	77.3	0.0	35.3#

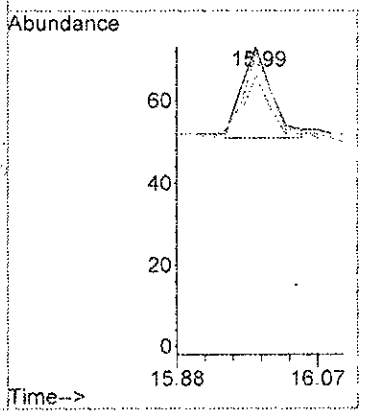


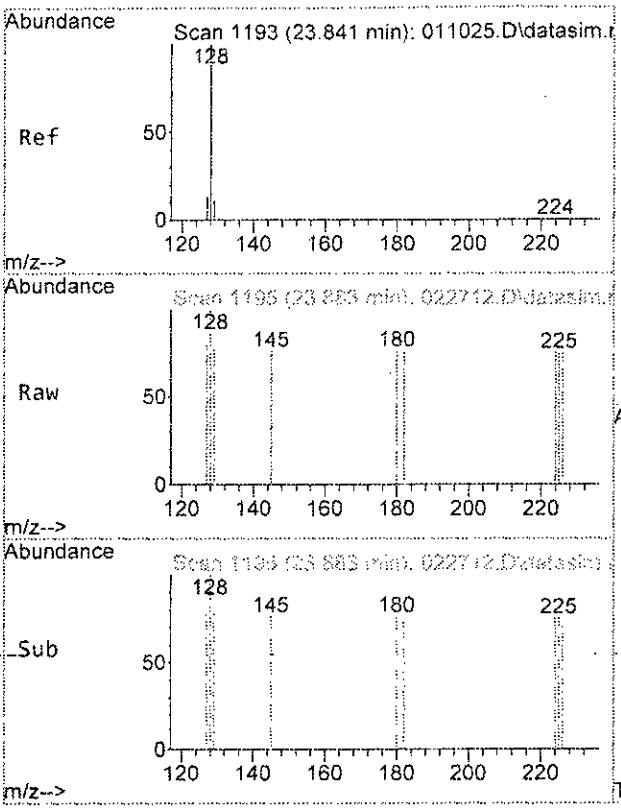


#51
1,1,2-Trichloroethane
Concen: 0.004 ppbv m
RT: 15.99 min Scan# 640
Delta R.T. -0.001 min
Lab File: 022712.D
Acq: 27 Feb 2023 6:02 pm

Tgt Ion: 83 Resp: 64

Ion	Ratio	Lower	Upper
83	100		
97	98.6	51.8	111.8
85	90.4	30.5	90.5

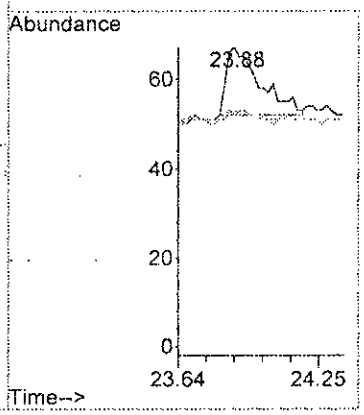




#77
Naphthalene
Concen: 0.003 ppbv
RT: 23.88 min Scan# 1195
Delta R.T. 0.042 min
Lab File: 022712.D
Acq: 27 Feb 2023 6:02 pm

Tgt Ion:128 Resp: 154

Ion	Ratio	Lower	Upper
128	100		
129	6.7	0.0	41.0
127	13.3	0.0	43.2



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	65990	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262986	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	235550	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	140861	8.999	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.00%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.		
4) Chloromethane	3.69	50	136	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.		d
12) Ethanol	0.00		0	N.D.		
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.		
15) Trichlorofluoromethane	0.00		0	N.D.		
16) Acetone	0.00		0	N.D.		
17) 2-Propanol	5.84	45	171	N.D.		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.75	84	207	N.D.		
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	7.20	76	996	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.		
31) Ethyl acetate	0.00		0	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.		
33) 2-Butanone (MEK)	0.00		0	N.D.		
34] 1,2-Dichloroethane (EDC)	11.31	62	60m	0.004	ppbv	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37) Benzene	12.59	78	508	N.D.		
38) Cyclohexane	13.12	84	513	N.D.		
40) 1,2-Dichloropropane	13.57	63	260	N.D.		

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

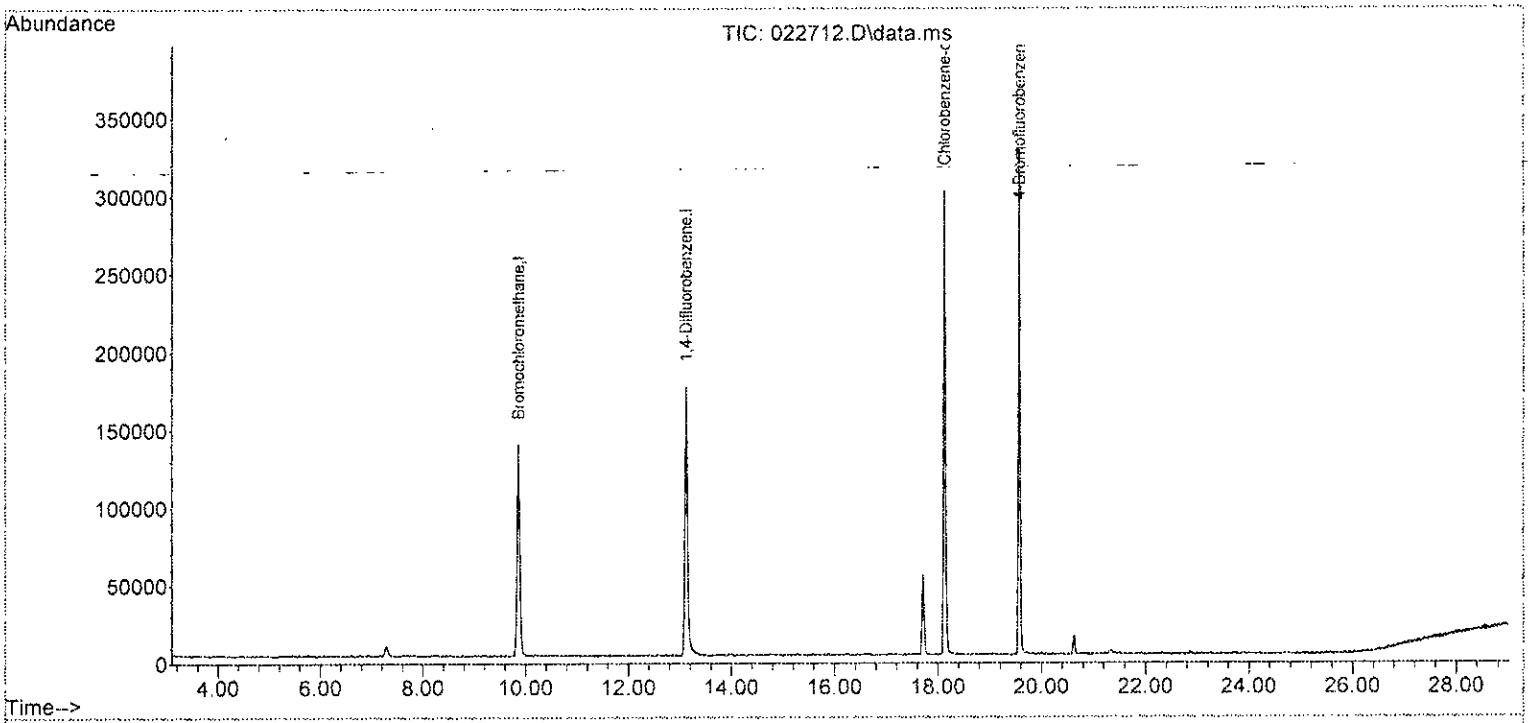
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.	
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	
43) Methyl methacrylate	0.00		0	N.D.	
44) Heptane	0.00		0	N.D.	
45) Bromodichloromethane	0.00		0	N.D.	
46) Trichloroethene	0.00		0	N.D.	
47) cis-1,3-Dichloropropene	0.00		0	N.D.	
48) 4-Methyl-2-pentanone	0.00		0	N.D.	
49) trans-1,3-Dichloropropene	0.00		0	N.D.	
50) Toluene	16.31	92	1155	N.D.	
51] 1,1,2-Trichloroethane	15.99	83	64m	0.004 ppbv	
52) 2-Hexanone	0.00		0	N.D.	
53) Tetrachloroethene	17.70	164	250	N.D.	
54) Dibromochloromethane	0.00		0	N.D.	
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
57) Chlorobenzene	0.00		0	N.D.	
58) Ethylbenzene	18.52	91	324	N.D.	
59) 1,1,2,2-Tetrachloroethane	19.11	83	144	N.D.	
60) Nonane	19.32	43	176	N.D.	
61) Isopropylbenzene	19.69	105	220	N.D.	
62) 2-Chlorotoluene	0.00		0	N.D.	
63) Propylbenzene	20.18	91	323	N.D.	
64) 4-Ethyltoluene	20.32	105	460	N.D.	
65) m,p-Xylene	18.70	106	202	N.D.	
66) o-Xylene	19.15	106	120	N.D.	
67) Styrene	19.04	104	293	N.D.	
68) Bromoform	0.00		0	N.D.	
70) Benzyl chloride	0.00		0	N.D.	
71) 1,3,5-Trimethylbenzene	20.38	105	141	N.D.	
72) 1,2,4-Trimethylbenzene	20.82	105	171	N.D.	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
77] Naphthalene	23.88	128	154	0.003 ppbv	95
78) Hexachlorobutadiene	24.42	225	102	N.D.	

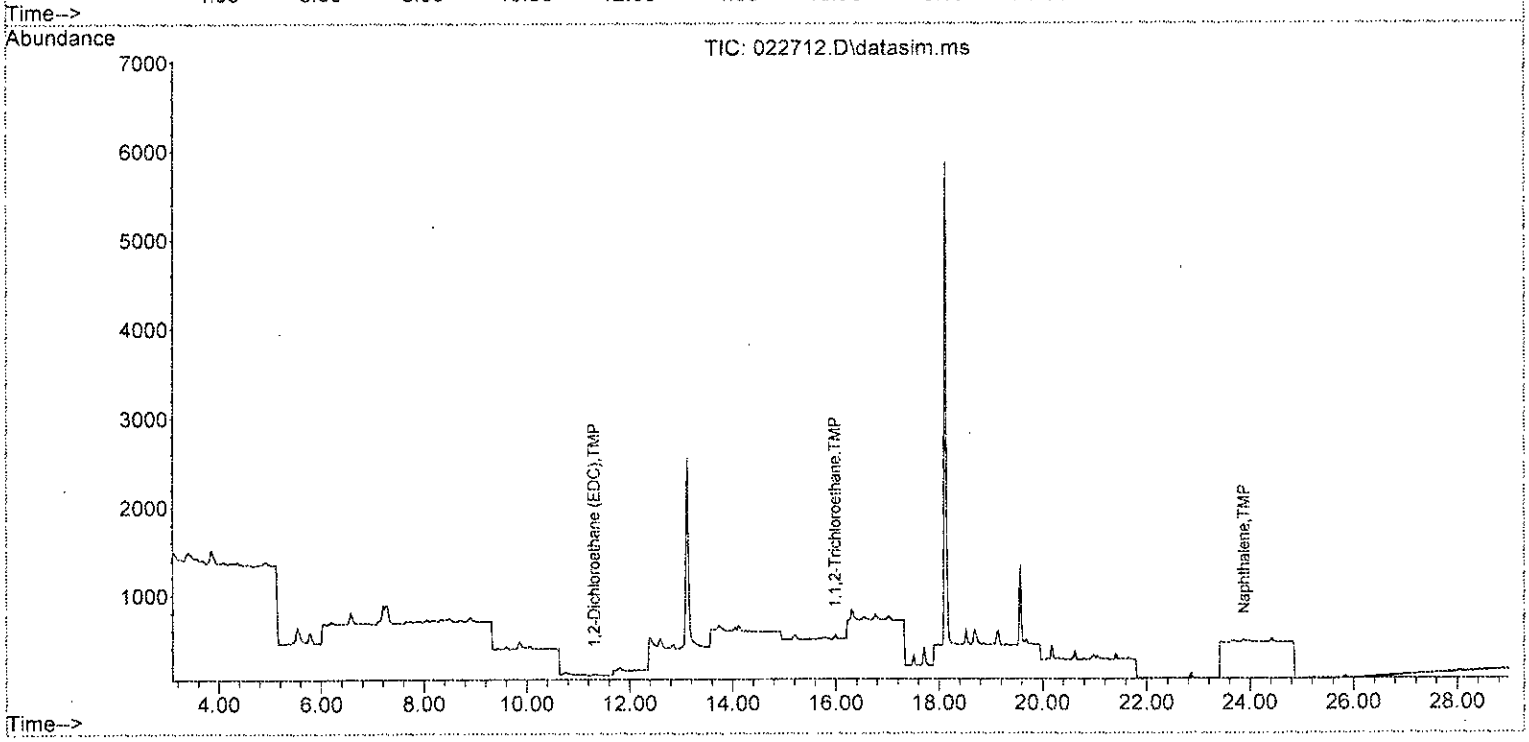
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022712.D
Acq On : 27 Feb 2023 6:02 pm
Operator : bat
Sample : 03-0356 MB
Misc : T1
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 18:40:24 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

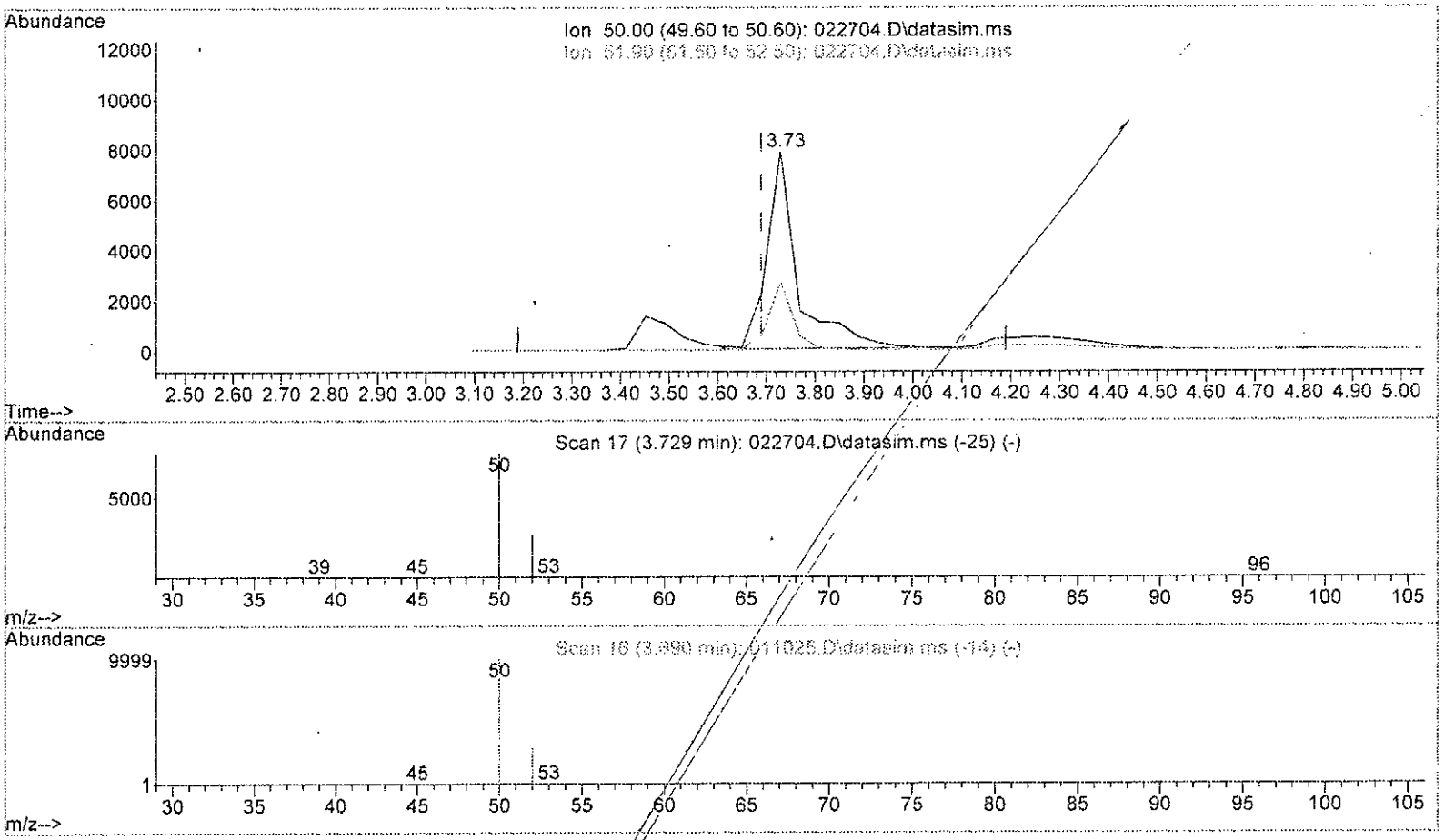




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.039) 2.938 ppbv

response 34218

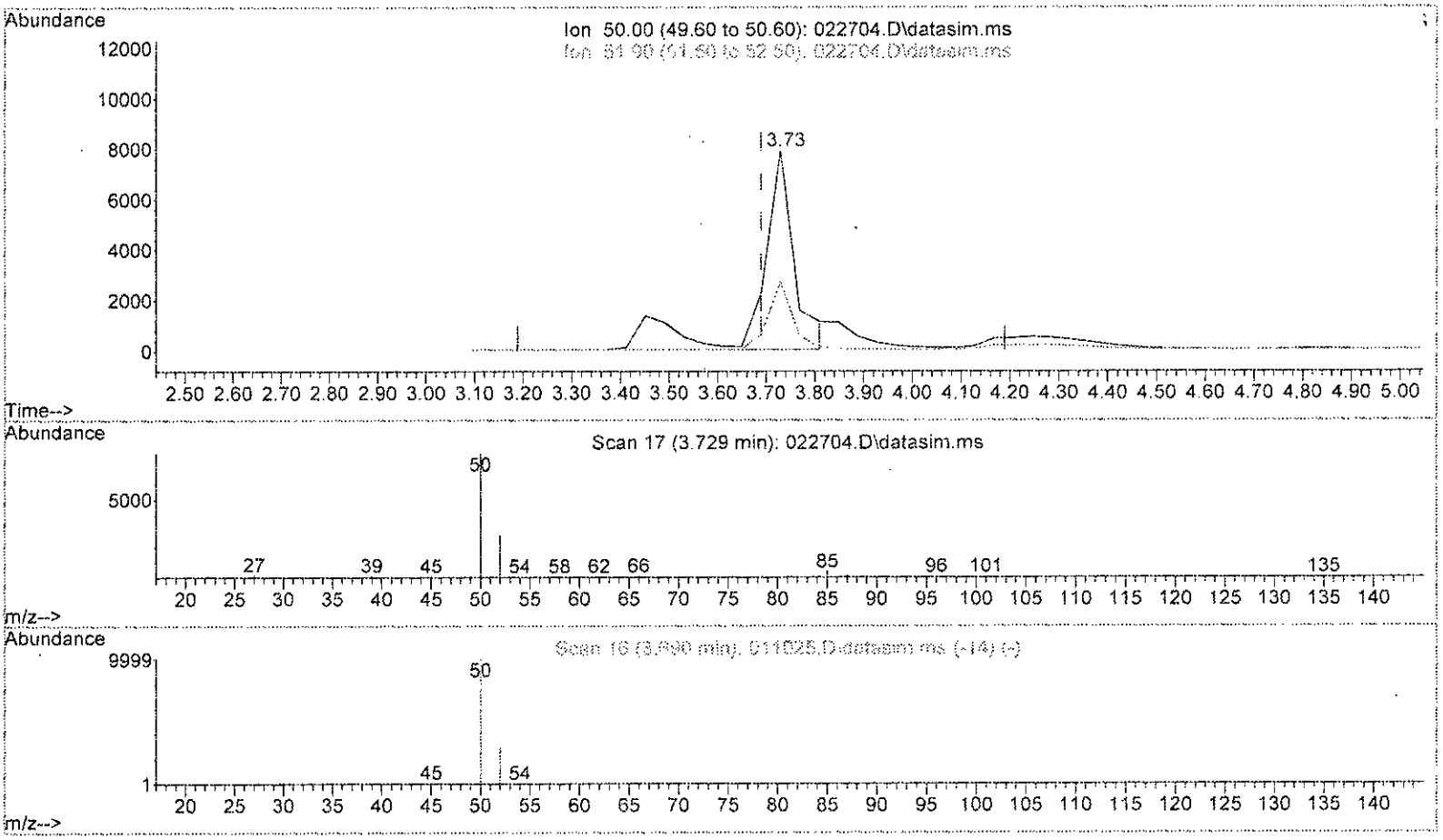
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.19
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(4) Chloromethane (TMP)

3.729min (+ 0.039) 2.606 ppbv m

response 30350

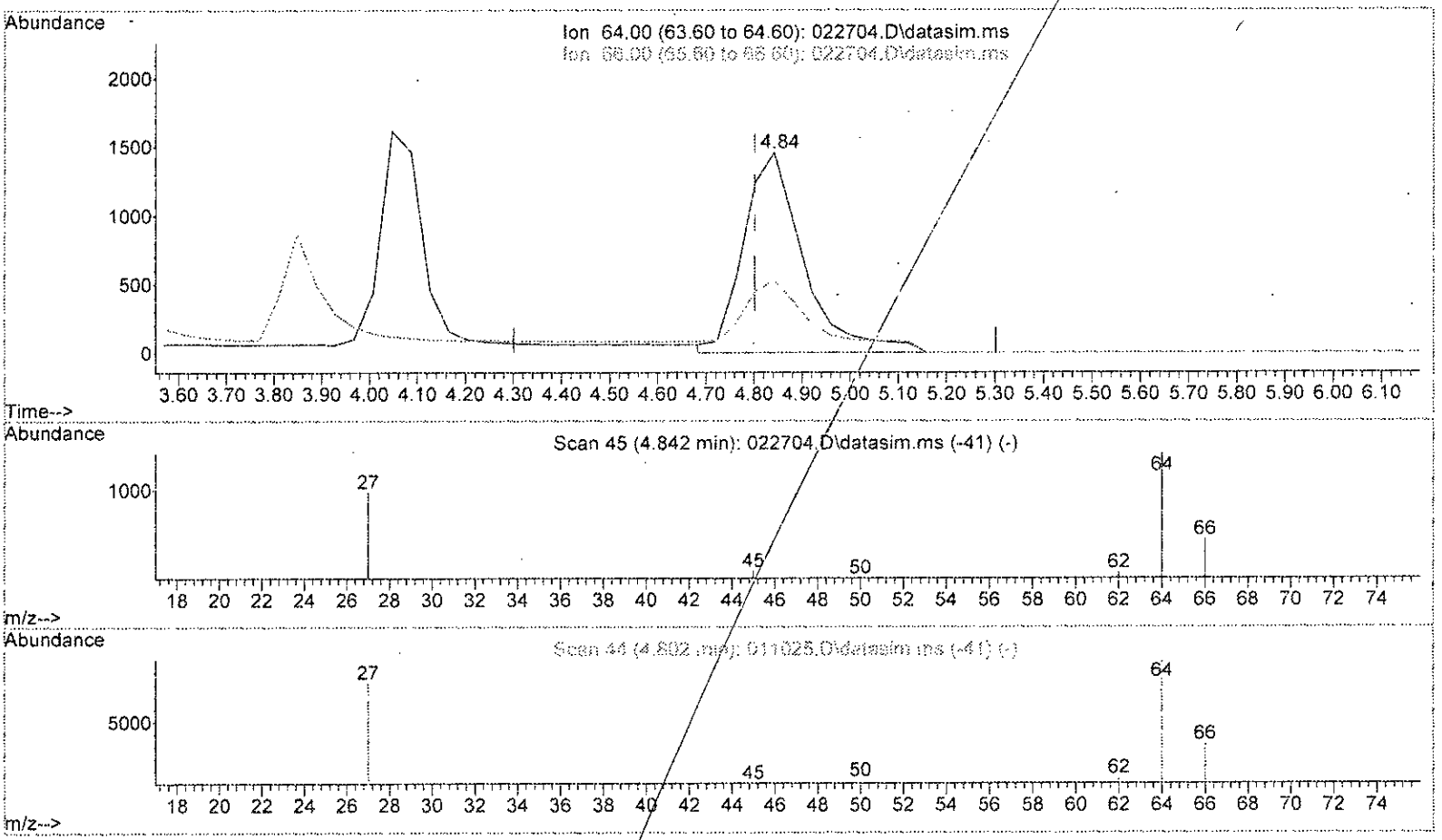
Ion	Exp%	Act%
50.00	100.00	100.00
51.90	25.30	34.37
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.040) 2.741 ppbv

response 12081

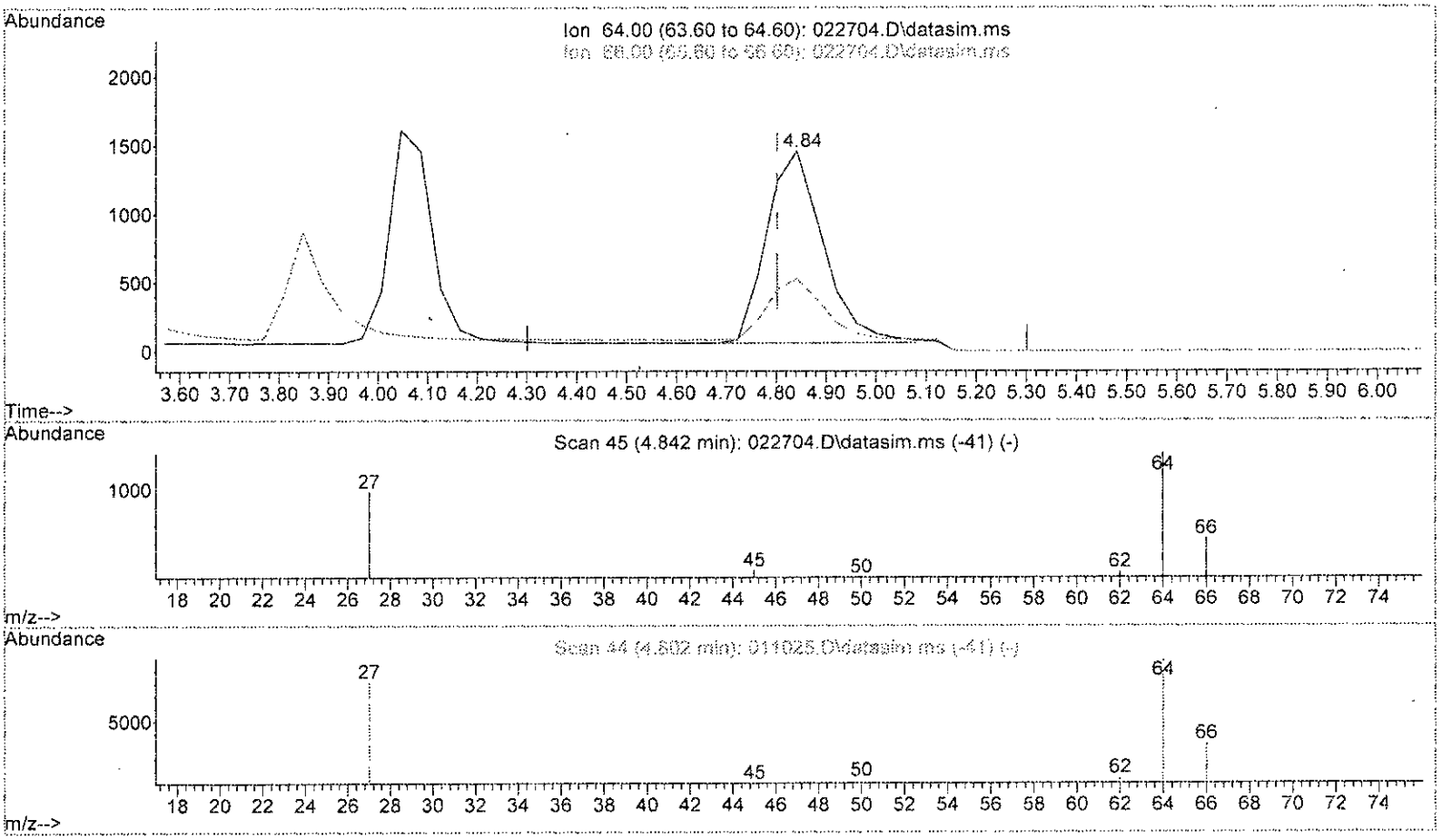
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.26
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(10) Chloroethane (TMP)

4.842min (+ 0.040) 2.501 ppbv m

response 11025

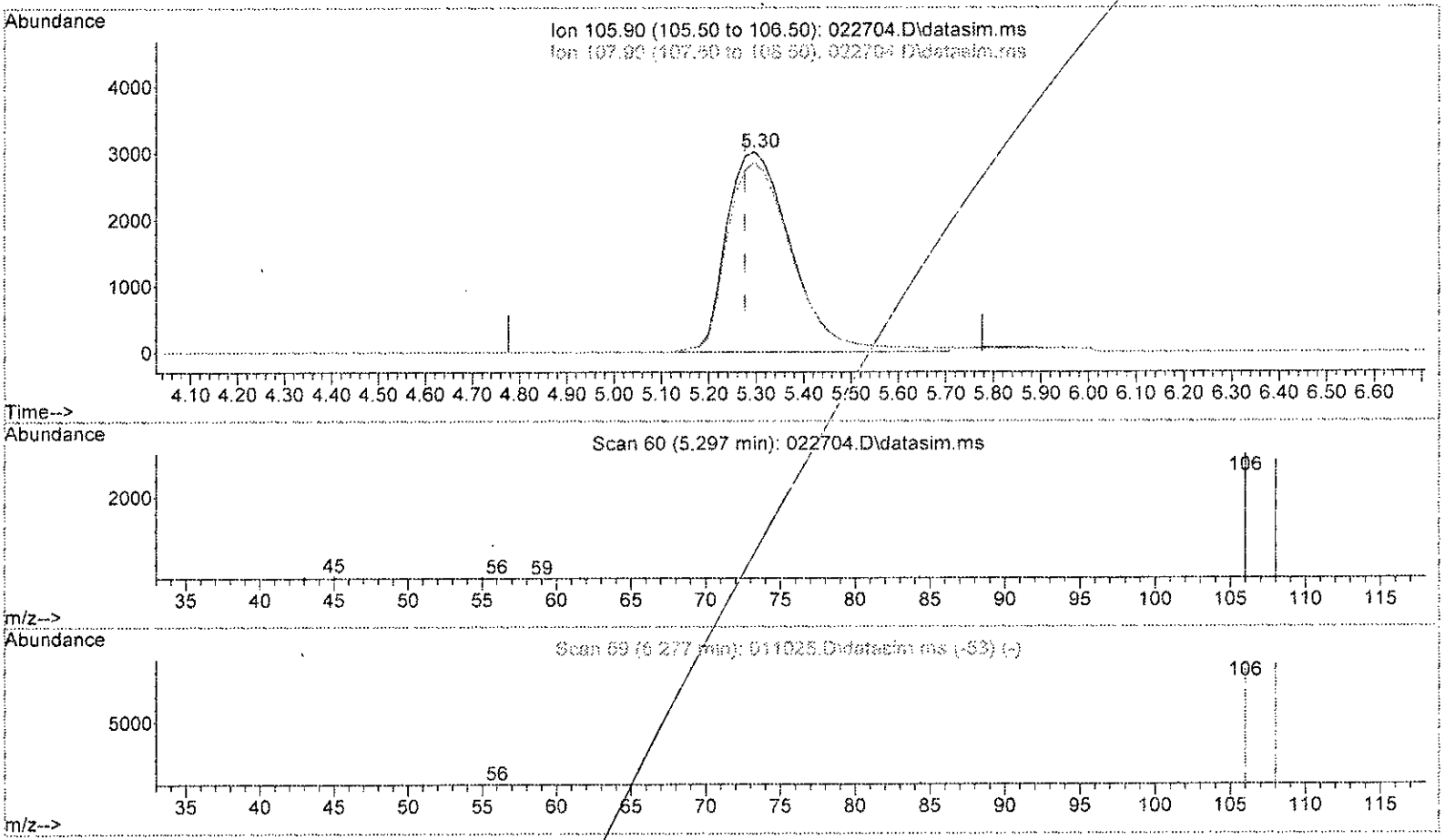
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	31.80	36.26
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (+ 0.020) 2.789 ppbv

response 30775

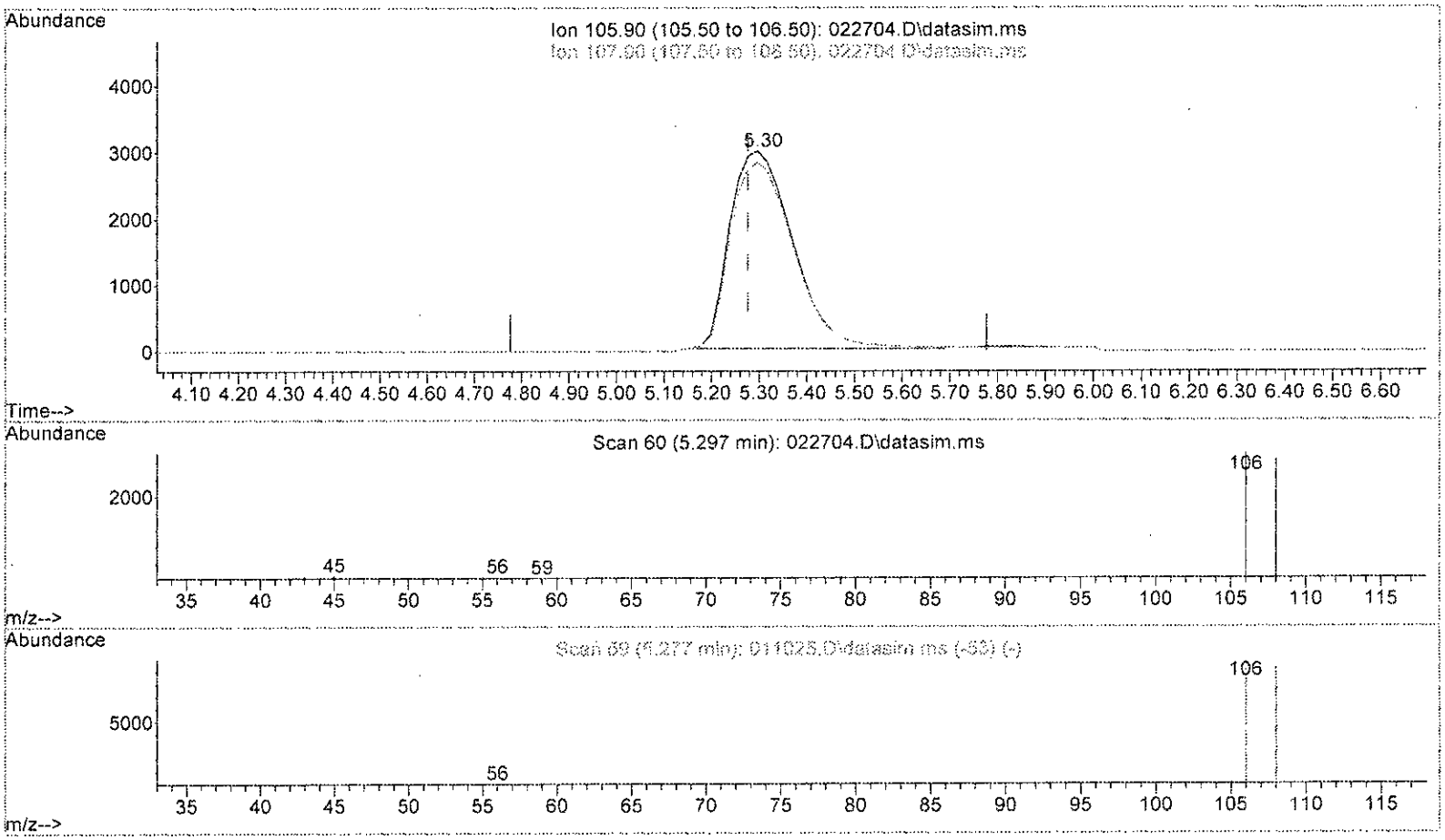
Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	94.60
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(11) Vinyl bromide (TMP)

5.297min (+ 0.020) 2.475 ppbv m

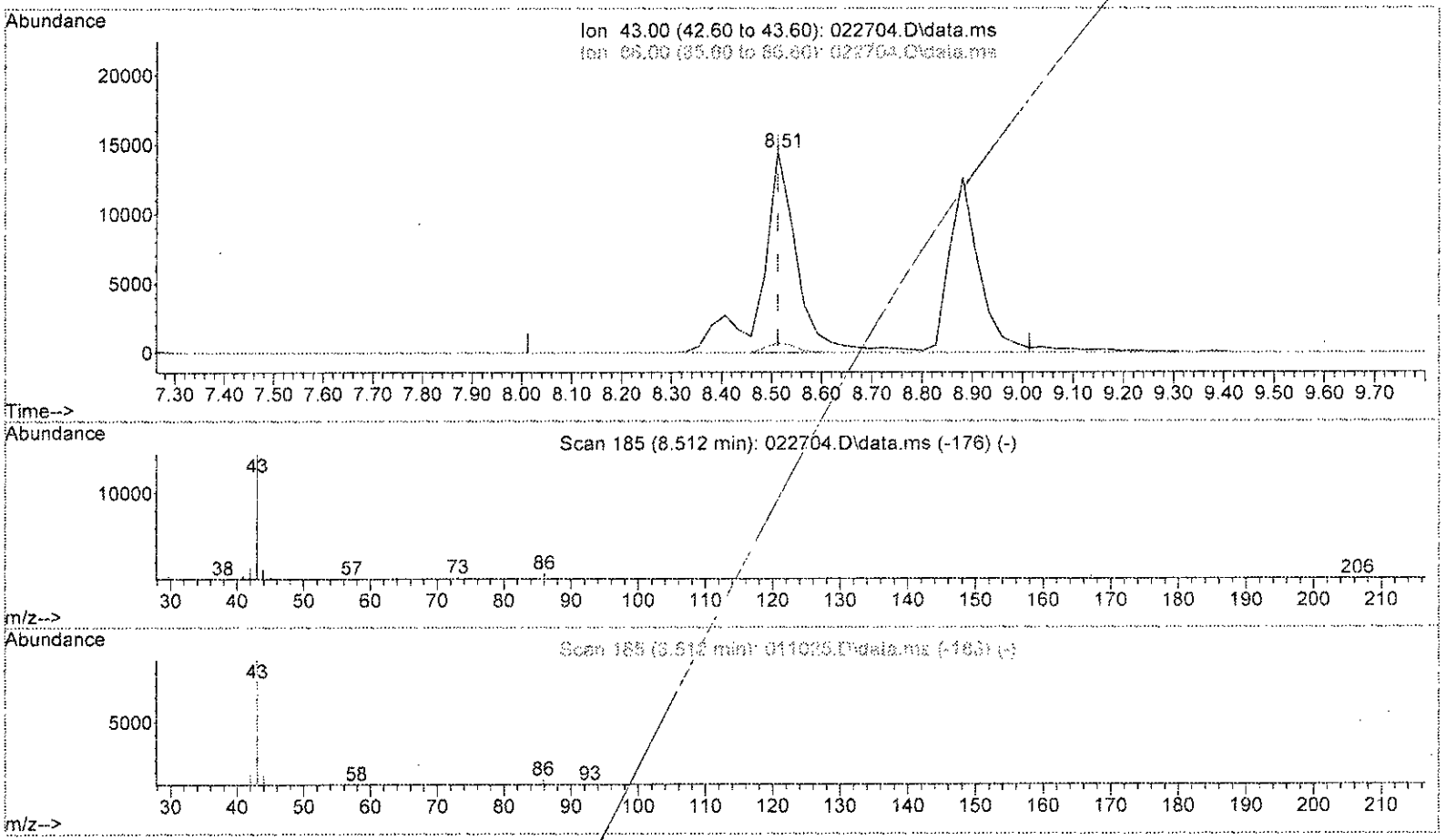
response 27315

Ion	Exp%	Act%
105.90	100.00	100.00
107.90	94.10	106.59
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(26) Vinyl acetate (TMP)

8.512min (-0.001) 2.915 ppbv

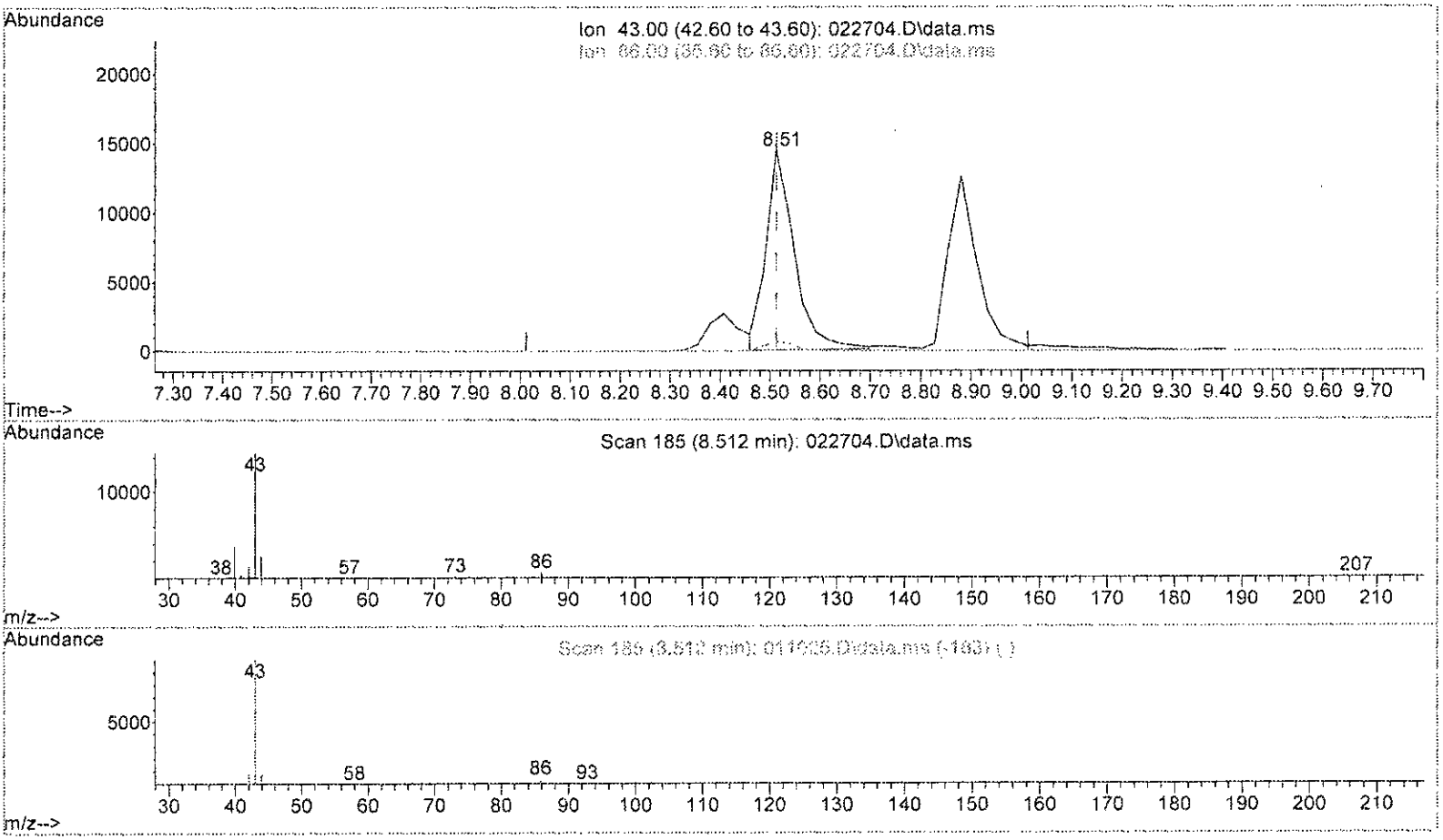
response 71566

Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(26) Vinyl acetate (TMP)

8.512min (-0.001) 2.290 ppbv m

response 56214

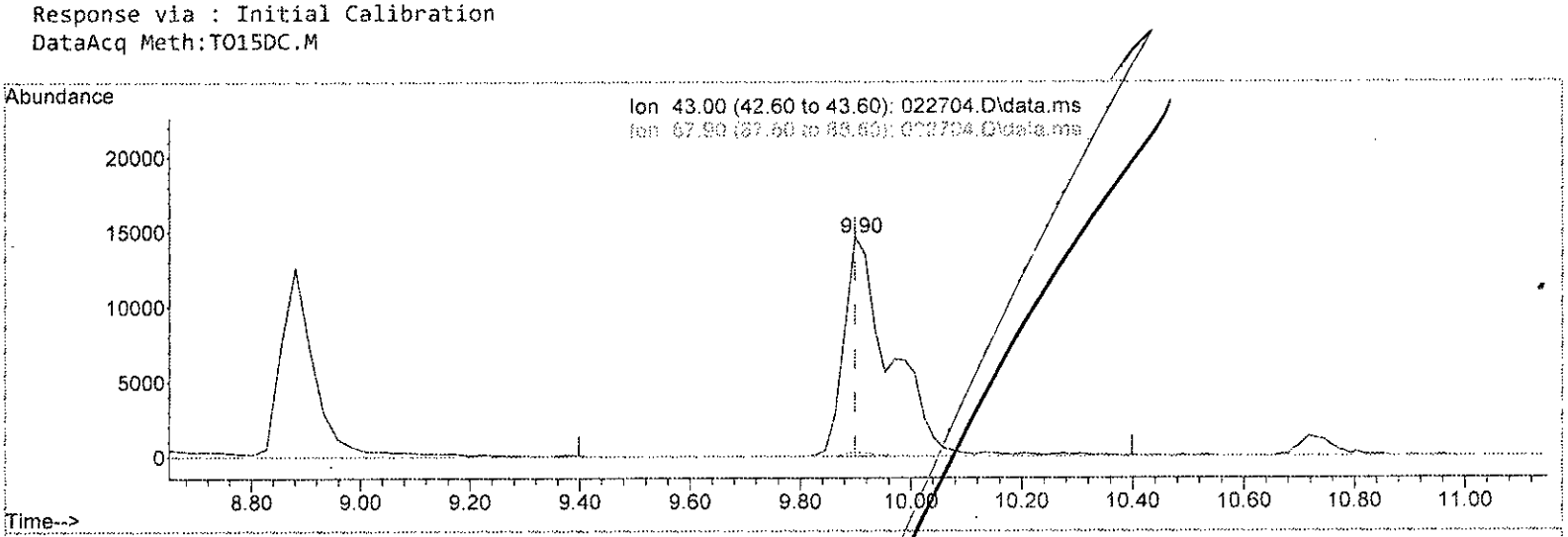
Ion	Exp%	Act%
43.00	100.00	100.00
86.00	4.20	4.69
0.00	0.00	0.00
0.00	0.00	0.00

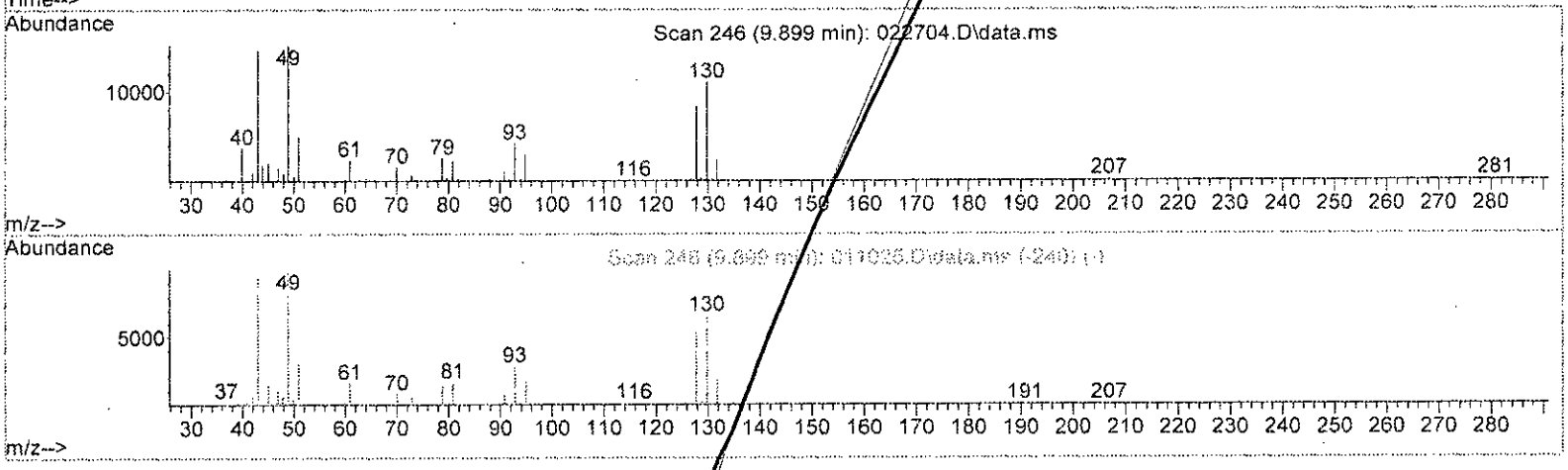
2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





TIC: 022704.D\data.ms

(31) Ethyl acetate (TMP)

9.899min (+ 0.000) 3.414 ppbv

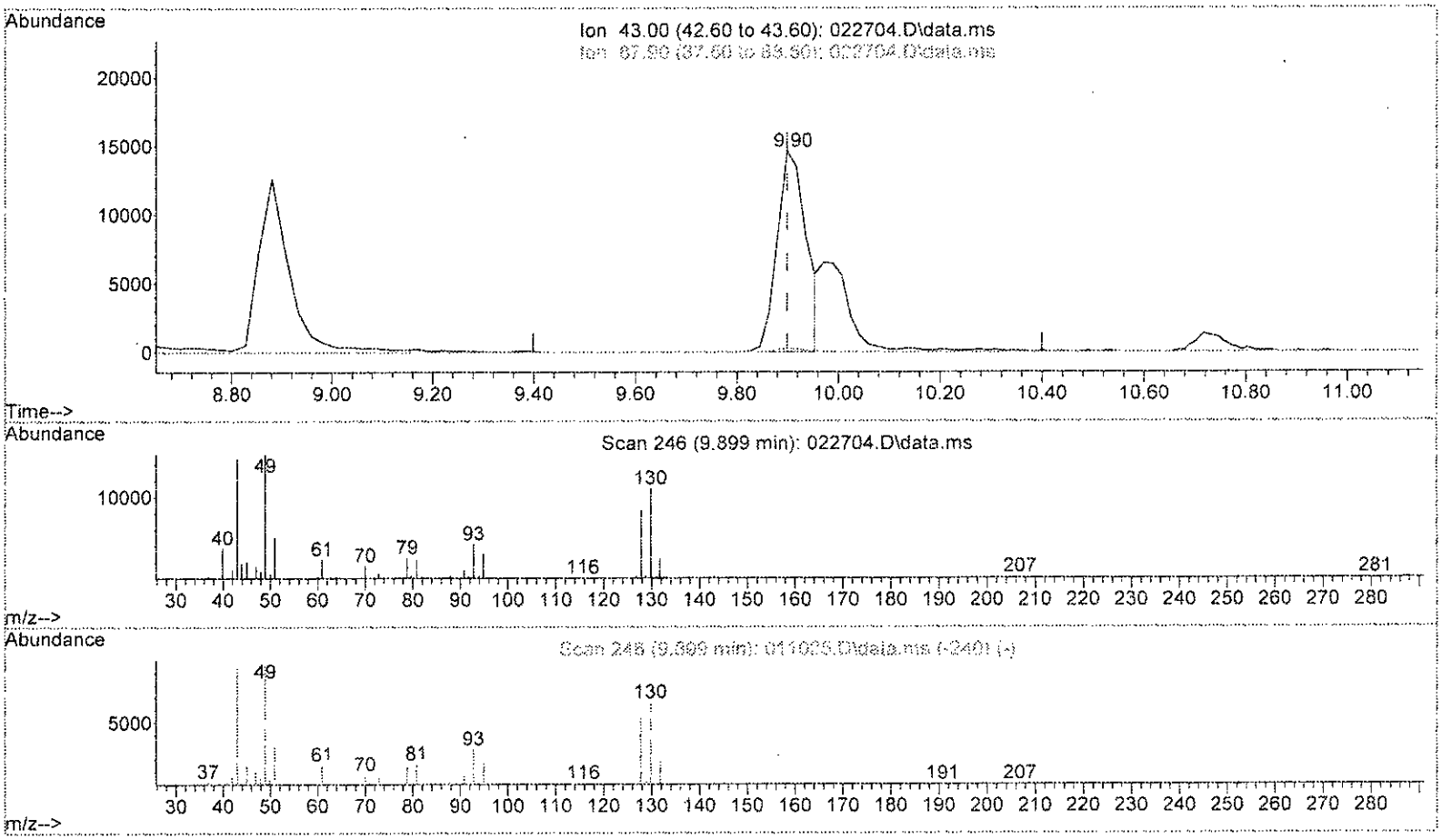
response 83351

Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.07#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(31) Ethyl acetate (TMP)

9.899min (+ 0.000) 2.384 ppbv m

response 58207

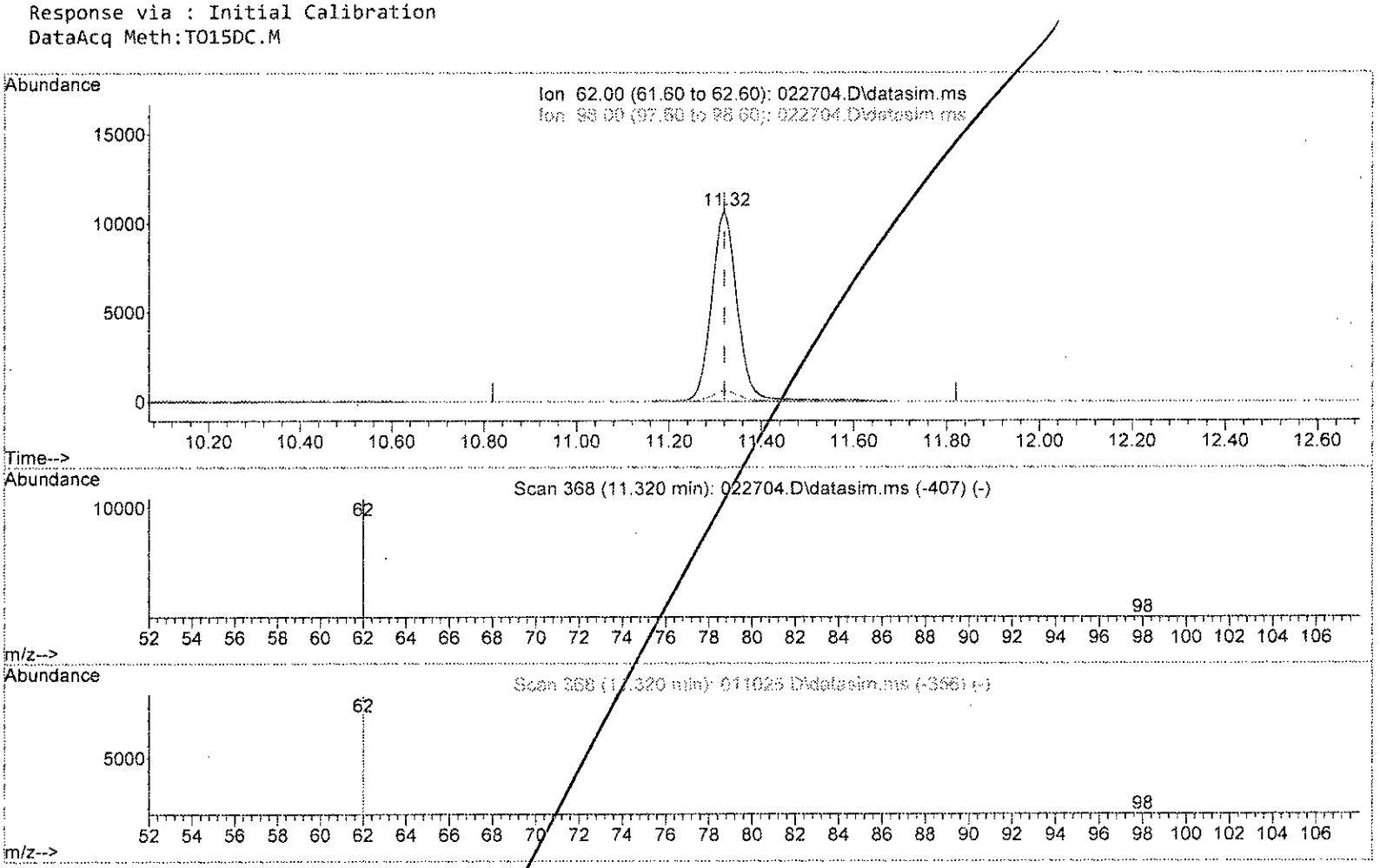
Ion	Exp%	Act%
43.00	100.00	100.00
87.90	1.70	1.54
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.565 ppbv

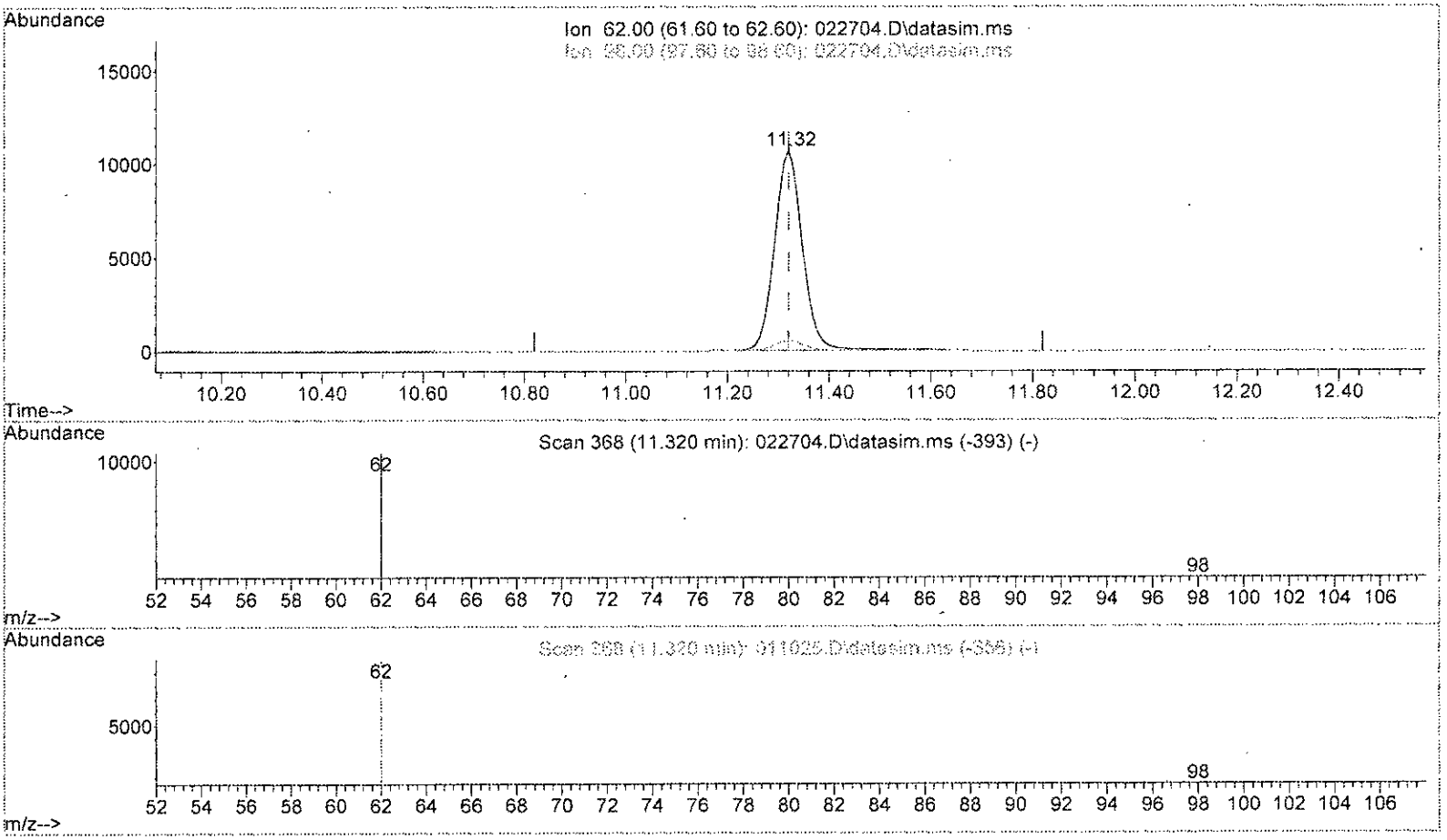
response 42158

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022704.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 2.458 ppbv m

response 40403

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.46
0.00	0.00	0.00
0.00	0.00	0.00

2/28/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	9.86	128	69512	10.000	ppbv		0.00
39) 1,4-Difluorobenzene	13.12	114	288796	10.000	ppbv		0.00
56) Chlorobenzene-d5	18.12	117	262099	10.000	ppbv		0.00
System Monitoring Compounds							
69) 4-Bromofluorobenzene	19.57	95	183396	10.530	ppbv		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.30%				
Target Compounds							Qvalue
2) Propene	3.41	41	22787	2.597	ppbv		97
3) Dichlorodifluoromethane	3.49	85	67218	2.369	ppbv		98
4] Chloromethane	3.73	50	30350m	2.606	ppbv		
5) F-114	3.84	85	72818	2.513	ppbv		95
6] Vinyl chloride	4.05	62	29792	2.503	ppbv		99
7] 1,3-Butadiene	4.25	54	17508	2.336	ppbv	#	92
8) Butane	4.32	43	36351	2.550	ppbv		94
9) Bromomethane	4.60	94	31072	2.635	ppbv		95
10] Chloroethane	4.84	64	11025m	2.501	ppbv		
11] Vinyl bromide	5.30	106	27315m	2.475	ppbv		
12) Ethanol	4.92	45	9435	2.624	ppbv		98
13] Acrolein	5.38	56	8337	2.287	ppbv		92
14) Pentane	6.25	43	38086	2.341	ppbv		96
15) Trichlorofluoromethane	5.80	101	79471	2.559	ppbv		95
16) Acetone	5.56	58	13010	2.560	ppbv		88
17) 2-Propanol	5.78	45	47952	2.443	ppbv	#	98
18] 1,1-Dichloroethene	6.63	96	25893	2.445	ppbv		84
19] trans-1,2-Dichloroethene	8.07	96	25528	2.450	ppbv		85
20) Methylene chloride	6.78	84	27786	2.773	ppbv		92
21) t-Butyl alcohol (TBA)	6.57	59	39085	2.379	ppbv	#	63
22) 3-Chloropropene	6.94	41	32835	2.464	ppbv		97
23) CFC-113	7.12	101	60608	2.578	ppbv		92
24) Carbon disulfide	7.22	76	86245	2.533	ppbv		98
25) Methyl t-butyl ether (...	8.41	73	52019	2.358	ppbv		96
26) Vinyl acetate	8.51	43	56214m	2.290	ppbv		
27] 1,1-Dichloroethane	8.33	63	55443	2.488	ppbv		96
28] cis-1,2-Dichloroethene	9.62	96	26782	2.368	ppbv		97
29) Hexane	9.99	57	32252	2.270	ppbv		92
30] Chloroform	10.07	83	64603	2.467	ppbv		96
31) Ethyl acetate	9.90	43	58207m	2.384	ppbv		
32) Tetrahydrofuran	10.73	42	26483	2.050	ppbv		100
33) 2-Butanone (MEK)	8.88	72	10178	2.722	ppbv	#	87
34] 1,2-Dichloroethane (EDC)	11.32	62	40403m	2.458	ppbv		
35] 1,1,1-Trichloroethane	11.80	97	55230	2.521	ppbv		97
36] Carbon tetrachloride	12.84	117	57740	2.504	ppbv		100
37] Benzene	12.59	78	84831	2.293	ppbv		96
38) Cyclohexane	13.05	84	19653	2.185	ppbv		95
40] 1,2-Dichloropropane	13.79	63	41146	2.568	ppbv		99

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

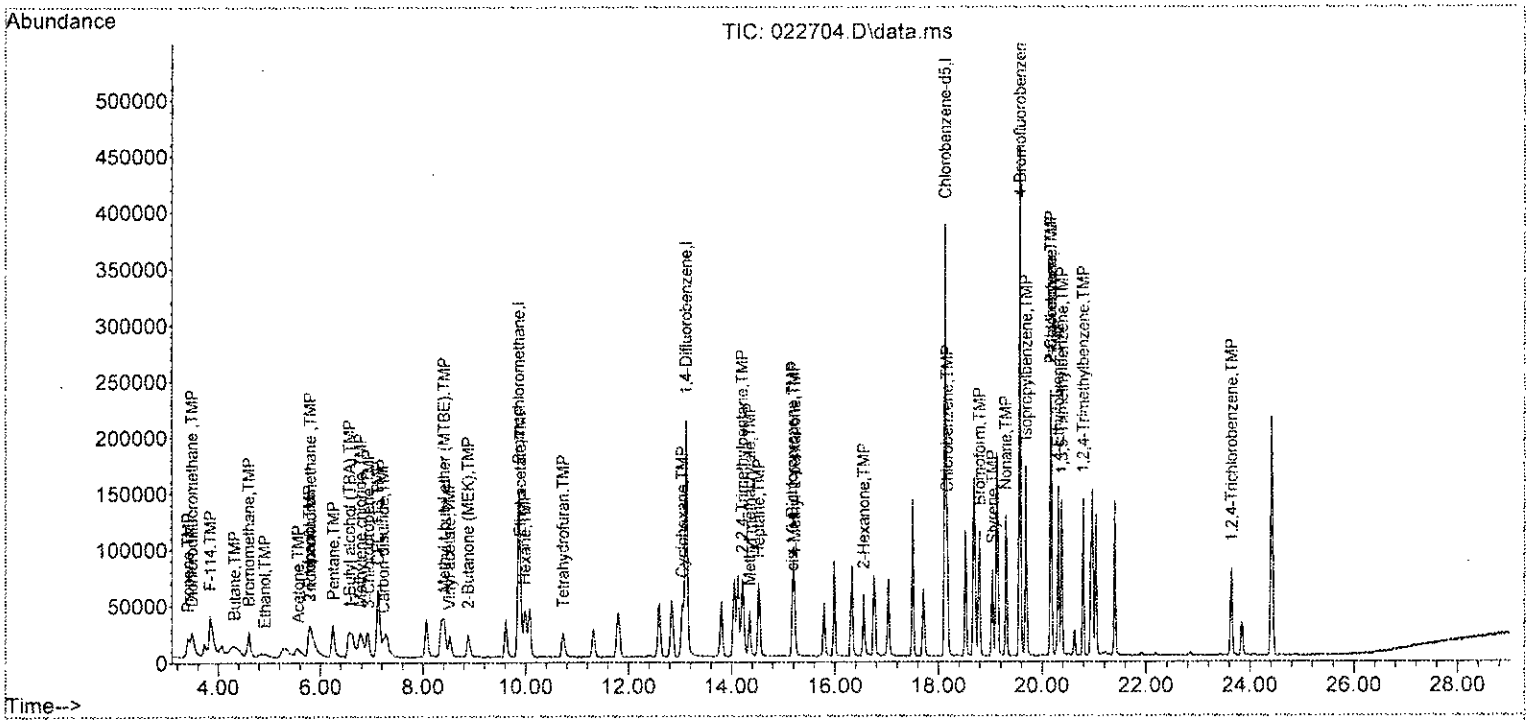
Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

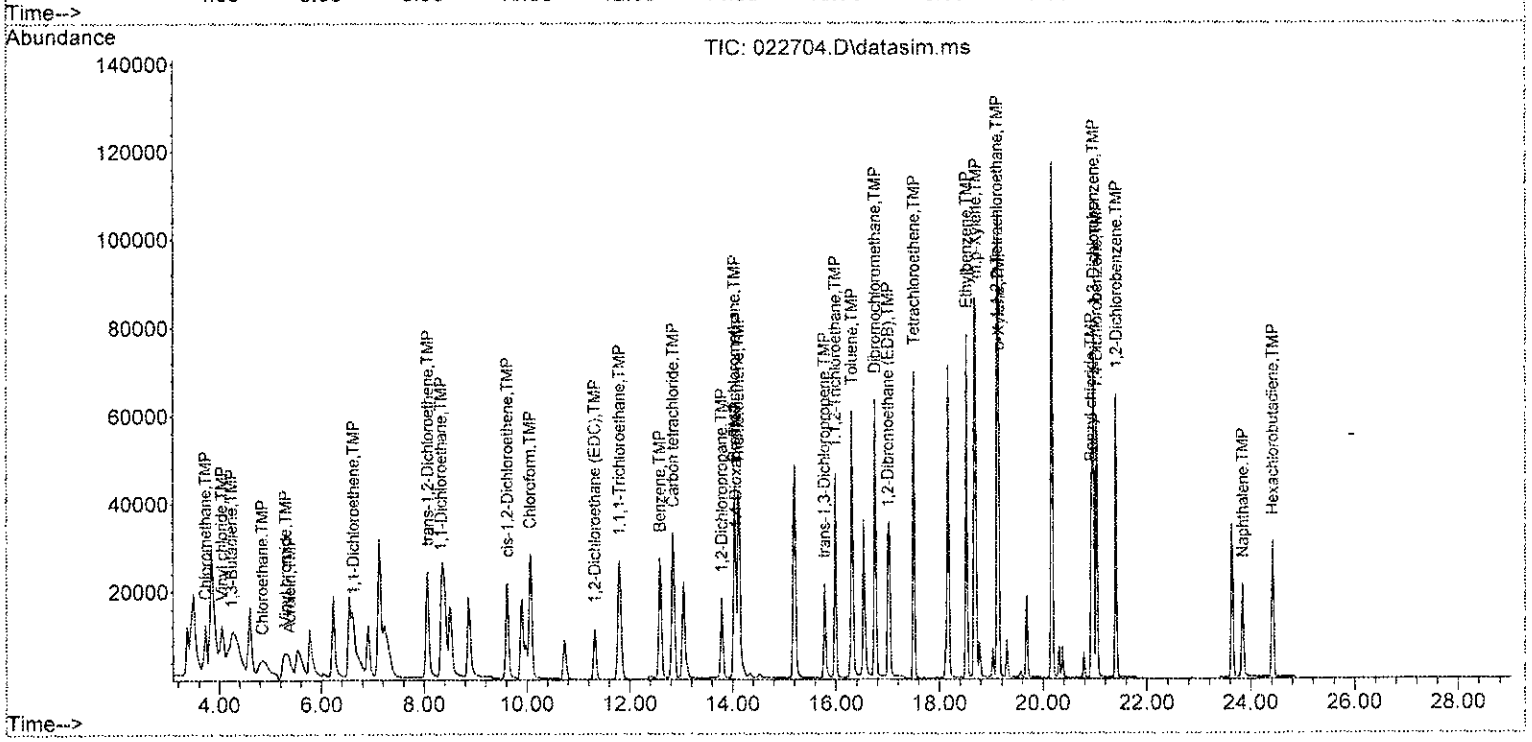
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41] 1,4-Dioxane	14.06	88	16321	2.434	ppbv		92
42) 2,2,4-Trimethylpentane	14.20	57	112087	2.392	ppbv	#	89
43) Methyl methacrylate	14.35	41	34956	2.676	ppbv		99
44) Heptane	14.52	43	47753	2.501	ppbv		99
45] Bromodichloromethane	14.04	83	67243	2.574	ppbv		96
46] Trichloroethene	14.11	95	42536	2.543	ppbv		83
47) cis-1,3-Dichloropropene	15.18	75	48267	2.659	ppbv		100
48) 4-Methyl-2-pentanone	15.22	100	2960	2.411	ppbv	#	74
49] trans-1,3-Dichloropropene	15.78	75	42587	2.493	ppbv		90
50] Toluene	16.31	92	51096	2.409	ppbv		93
51] 1,1,2-Trichloroethane	15.99	83	41604	2.651	ppbv		87
52) 2-Hexanone	16.55	43	56429	2.587	ppbv		94
53] Tetrachloroethene	17.51	164	36110	2.643	ppbv		96
54] Dibromochloromethane	16.75	129	67049	2.545	ppbv		97
55] 1,2-Dibromoethane (EDB)	17.01	107	59234	2.492	ppbv		79
57) Chlorobenzene	18.16	112	74000	2.453	ppbv		100
58] Ethylbenzene	18.52	91	110915	2.162	ppbv		93
59] 1,1,2,2-Tetrachloroethane	19.11	83	98924	2.443	ppbv		92
60) Nonane	19.30	43	62673	2.352	ppbv		99
61) Isopropylbenzene	19.69	105	119560	2.442	ppbv		99
62) 2-Chlorotoluene	20.17	126	29337	2.414	ppbv		88
63) Propylbenzene	20.17	91	224503	2.500	ppbv		98
64) 4-Ethyltoluene	20.31	105	98470	2.310	ppbv		99
65] m,p-Xylene	18.70	106	79602	4.740	ppbv		92
66] o-Xylene	19.15	106	39880	2.393	ppbv		92
67) Styrene	19.04	104	51114	2.321	ppbv		94
68) Bromoform	18.79	173	69634	2.502	ppbv		99
70] Benzyl chloride	20.93	91	79238	2.792	ppbv		89
71) 1,3,5-Trimethylbenzene	20.38	105	101981	2.529	ppbv		99
72) 1,2,4-Trimethylbenzene	20.79	105	81128	2.322	ppbv		99
73] 1,3-Dichlorobenzene	20.97	146	68609	2.572	ppbv		95
74] 1,4-Dichlorobenzene	21.03	146	61883	2.536	ppbv		85
75] 1,2-Dichlorobenzene	21.41	146	70654	2.591	ppbv		91
76) 1,2,4-Trichlorobenzene	23.64	180	39150	2.458	ppbv		98
77] Naphthalene	23.84	128	45697	2.213	ppbv		100
78] Hexachlorobutadiene	24.42	225	67518	2.512	ppbv		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	10.000	10.000	0.0	93	0.00
2	TMP	Propene	2.500	2.597	-3.9	97	0.00
3	TMP	Dichlorodifluoromethane	2.500	2.369	5.2	85	0.00
4	TMP	Chloromethane	2.500	2.606	-4.2	100	0.04
5	TMP	F-114	2.500	2.513	-0.5	90	0.00
6	TMP	Vinyl chloride	2.500	2.503	-0.1	89	0.00
7	TMP	1,3-Butadiene	2.500	2.336	6.6	83	0.08
8	TMP	Butane	2.500	2.550	-2.0	89	0.04
9	TMP	Bromomethane	2.500	2.635	-5.4	93	0.00
10	TMP	Chloroethane	2.500	2.501	-0.0	88	0.04
11	TMP	Vinyl bromide	2.500	2.475	1.0	85	0.02
12	TMP	Ethanol	2.500	2.624	-5.0	94	0.00
13	TMP	Acrolein	2.500	2.287	8.5	79	0.00
14	TMP	Pentane	2.500	2.341	6.4	80	0.03
15	TMP	Trichlorofluoromethane	2.500	2.559	-2.4	88	0.00
16	TMP	Acetone	2.500	2.560	-2.4	101	0.04
17	TMP	2-Propanol	2.500	2.443	2.3	86	0.02
18	TMP	1,1-Dichloroethene	2.500	2.445	2.2	87	0.03
19	TMP	trans-1,2-Dichloroethene	2.500	2.450	2.0	86	0.00
20	TMP	Methylene chloride	2.500	2.773	-10.9	96	0.00
21	TMP	t-Butyl alcohol (TBA)	2.500	2.379	4.8	85	0.03
22	TMP	3-Chloropropene	2.500	2.464	1.4	91	0.03
23	TMP	CFC-113	2.500	2.578	-3.1	90	0.00
24	TMP	Carbon disulfide	2.500	2.533	-1.3	89	0.00
25	TMP	Methyl t-butyl ether (MTBE)	2.500	2.358	5.7	85	0.00
26	TMP	Vinyl acetate	2.500	2.290	8.4	87	0.00
27	TMP	1,1-Dichloroethane	2.500	2.488	0.5	88	0.00
28	TMP	cis-1,2-Dichloroethene	2.500	2.368	5.3	85	0.02
29	TMP	Hexane	2.500	2.270	9.2	82	0.00
30	TMP	Chloroform	2.500	2.467	1.3	88	0.00
31	TMP	Ethyl acetate	2.500	2.384	4.6	85	0.00
32	TMP	Tetrahydrofuran	2.500	2.050	18.0	69	0.00
33	TMP	2-Butanone (MEK)	2.500	2.722	-8.9	94	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.500	2.458	1.7	88	0.00
35	TMP	1,1,1-Trichloroethane	2.500	2.521	-0.8	90	0.00
36	TMP	Carbon tetrachloride	2.500	2.504	-0.2	88	0.00
37	TMP	Benzene	2.500	2.293	8.3	84	0.00
38	TMP	Cyclohexane	2.500	2.185	12.6	78	0.00
39	I	1,4-Difluorobenzene	10.000	10.000	0.0	87	0.00
40	TMP	1,2-Dichloropropane	2.500	2.568	-2.7	86	0.00
41	TMP	1,4-Dioxane	2.500	2.434	2.6	81	0.00
42	TMP	2,2,4-Trimethylpentane	2.500	2.392	4.3	80	0.00
43	TMP	Methyl methacrylate	2.500	2.676	-7.0	91	0.00

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	Heptane	2.500	2.501	-0.0	83	0.00
45	TMP	Bromodichloromethane	2.500	2.574	-3.0	86	0.00
46	TMP	Trichloroethene	2.500	2.543	-1.7	88	0.00
47	TMP	cis-1,3-Dichloropropene	2.500	2.659	-6.4	88	0.00
48	TMP	4-Methyl-2-pentanone	2.500	2.411	3.6	80	0.00
49	TMP	trans-1,3-Dichloropropene	2.500	2.493	0.3	88	0.00
50	TMP	Toluene	2.500	2.409	3.6	82	0.00
51	TMP	1,1,2-Trichloroethane	2.500	2.651	-6.0	92	0.00
52	TMP	2-Hexanone	2.500	2.587	-3.5	86	0.00
53	TMP	Tetrachloroethene	2.500	2.643	-5.7	89	0.00
54	TMP	Dibromochloromethane	2.500	2.545	-1.8	85	0.00
55	TMP	1,2-Dibromoethane (EDB)	2.500	2.492	0.3	87	-0.03
56	I	Chlorobenzene-d5	10.000	10.000	0.0	91	0.00
57	TMP	Chlorobenzene	2.500	2.453	1.9	88	0.00
58	TMP	Ethylbenzene	2.500	2.162	13.5	81	0.00
59	TMP	1,1,2,2-Tetrachloroethane	2.500	2.443	2.3	90	0.00
60	TMP	Nonane	2.500	2.352	5.9	84	0.00
61	TMP	Isopropylbenzene	2.500	2.442	2.3	87	0.00
62	TMP	2-Chlorotoluene	2.500	2.414	3.4	85	0.00
63	TMP	Propylbenzene	2.500	2.500	0.0	86	0.00
64	TMP	4-Ethyltoluene	2.500	2.310	7.6	85	0.00
65	TMP	m,p-Xylene	5.000	4.740	5.2	82	0.00
66	TMP	o-Xylene	2.500	2.393	4.3	84	0.00
67	TMP	Styrene	2.500	2.321	7.2	80	0.00
68	TMP	Bromoform	2.500	2.502	-0.1	88	0.00
69	S	4-Bromofluorobenzene	10.000	10.530	-5.3	93	0.00
70	TMP	Benzyl chloride	2.500	2.792	-11.7	99	0.00
71	TMP	1,3,5-Trimethylbenzene	2.500	2.529	-1.2	87	0.00
72	TMP	1,2,4-Trimethylbenzene	2.500	2.322	7.1	81	0.00
73	TMP	1,3-Dichlorobenzene	2.500	2.572	-2.9	91	0.00
74	TMP	1,4-Dichlorobenzene	2.500	2.536	-1.4	90	0.00
75	TMP	1,2-Dichlorobenzene	2.500	2.591	-3.6	91	0.00
76	TMP	1,2,4-Trichlorobenzene	2.500	2.458	1.7	105	0.00
77	TMP	Naphthalene	2.500	2.213	11.5	92	0.00
78	TMP	Hexachlorobutadiene	2.500	2.512	-0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Bromochloromethane	1.000	1.000	0.0	93	0.00
2	TMP	Propene	1.286	1.311	-1.9	97	0.00
3	TMP	Dichlorodifluoromethane	4.081	3.868	5.2	85	0.00
4	TMP	Chloromethane	1.676	1.746	-4.2	100	0.04
5	TMP	F-114	4.169	4.190	-0.5	90	0.00
6	TMP	Vinyl chloride	1.712	1.714	-0.1	89	0.00
7	TMP	1,3-Butadiene	1.078	1.007	6.6	83	0.08
8	TMP	Butane	2.051	2.092	-2.0	89	0.04
9	TMP	Bromomethane	1.696	1.788	-5.4	93	0.00
10	TMP	Chloroethane	0.634	0.634	0.0	88	0.04
11	TMP	Vinyl bromide	1.588	1.572	1.0	85	0.02
12	TMP	Ethanol	0.538	0.543	-0.9	94	0.00
13	TMP	Acrolein	0.525	0.480	8.6	79	0.00
14	TMP	Pentane	2.340	2.192	6.3	80	0.03
15	TMP	Trichlorofluoromethane	4.468	4.573	-2.4	88	0.00
16	TMP	Acetone	0.731	0.749	-2.5	101	0.04
17	TMP	2-Propanol	2.824	2.759	2.3	86	0.02
18	TMP	1,1-Dichloroethene	1.523	1.490	2.2	87	0.03
19	TMP	trans-1,2-Dichloroethene	1.499	1.469	2.0	86	0.00
20	TMP	Methylene chloride	1.441	1.599	-11.0	96	0.00
21	TMP	t-Butyl alcohol (TBA)	2.364	2.249	4.9	85	0.03
22	TMP	3-Chloropropene	1.917	1.889	1.5	91	0.03
23	TMP	CFC-113	3.382	3.488	-3.1	90	0.00
24	TMP	Carbon disulfide	4.899	4.963	-1.3	89	0.00
25	TMP	Methyl t-butyl ether (MTBE)	3.174	2.993	5.7	85	0.00
26	TMP	Vinyl acetate	3.532	3.235	8.4	87	0.00
27	TMP	1,1-Dichloroethane	3.205	3.190	0.5	88	0.00
28	TMP	cis-1,2-Dichloroethene	1.627	1.541	5.3	85	0.02
29	TMP	Hexane	2.044	1.856	9.2	82	0.00
30	TMP	Chloroform	3.767	3.718	1.3	88	0.00
31	TMP	Ethyl acetate	3.512	3.349	4.6	85	0.00
32	TMP	Tetrahydrofuran	1.858	1.524	18.0	69	0.00
33	TMP	2-Butanone (MEK)	0.538	0.586	-8.9	94	0.00
34	TMP	1,2-Dichloroethane (EDC)	2.365	2.325	1.7	88	0.00
35	TMP	1,1,1-Trichloroethane	3.152	3.178	-0.8	90	0.00
36	TMP	Carbon tetrachloride	3.318	3.323	-0.2	88	0.00
37	TMP	Benzene	5.322	4.882	8.3	84	0.00
38	TMP	Cyclohexane	1.294	1.131	12.6	78	0.00
39	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
40	TMP	1,2-Dichloropropane	0.555	0.570	-2.7	86	0.00
41	TMP	1,4-Dioxane	0.232	0.226	2.6	81	0.00
42	TMP	2,2,4-Trimethylpentane	1.623	1.552	4.4	80	0.00
43	TMP	Methyl methacrylate	0.452	0.484	-7.1	91	0.00

Evaluate Continuing Calibration Report

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022704.D
Acq On : 27 Feb 2023 12:50 pm
Operator : bat
Sample : 03-0356 lcs/ 2.5 ppbv 68-128a
Misc : Cal line
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Feb 27 14:49:18 2023
Quant Method : V:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

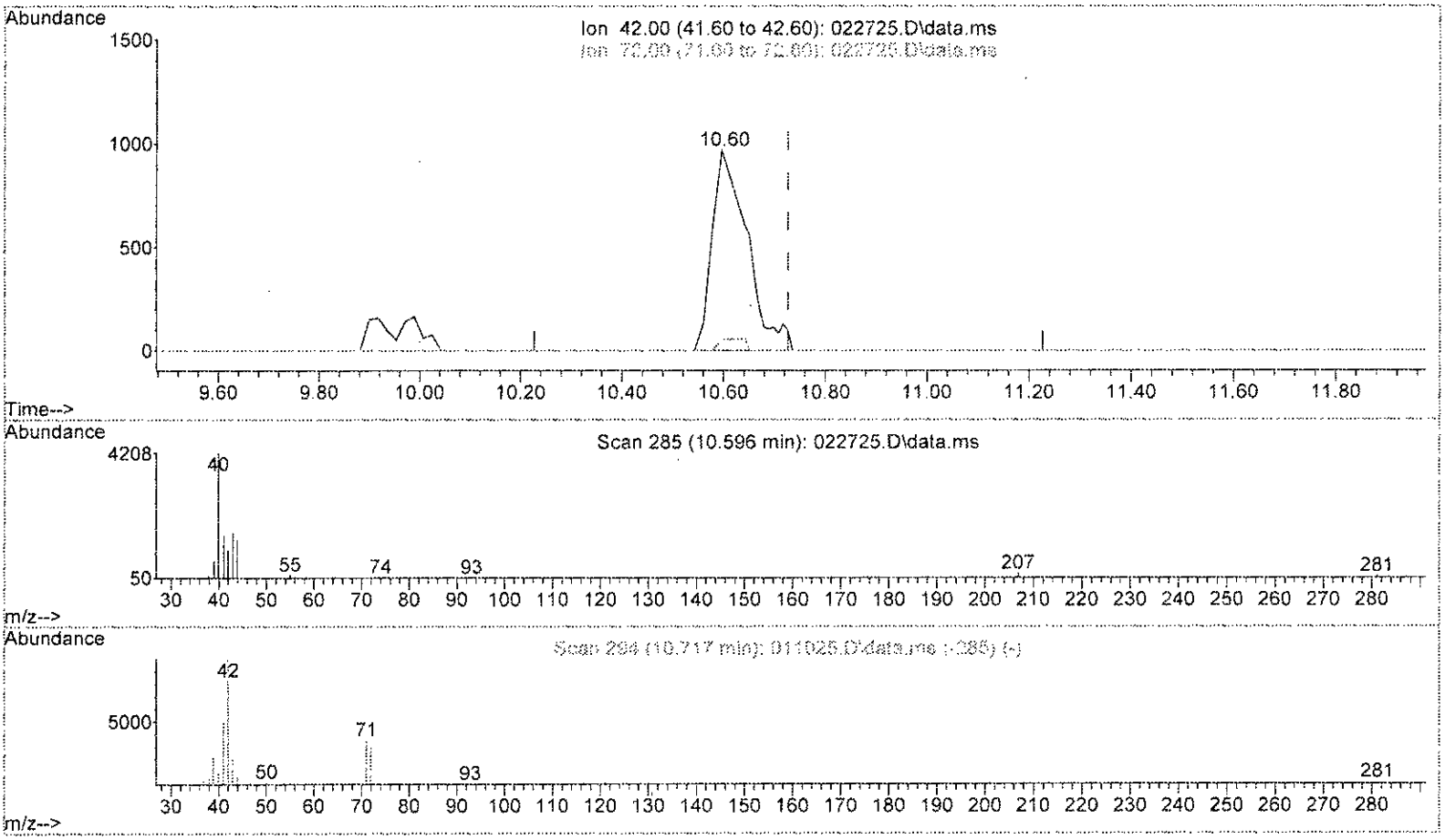
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	Heptane	0.661	0.661	0.0	83	0.00
45	TMP	Bromodichloromethane	0.905	0.931	-2.9	86	0.00
46	TMP	Trichloroethene	0.579	0.589	-1.7	88	0.00
47	TMP	cis-1,3-Dichloropropene	0.629	0.669	-6.4	88	0.00
48	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	80	0.00
49	TMP	trans-1,3-Dichloropropene	0.592	0.590	0.3	88	0.00
50	TMP	Toluene	0.734	0.708	3.5	82	0.00
51	TMP	1,1,2-Trichloroethane	0.543	0.576	-6.1	92	0.00
52	TMP	2-Hexanone	0.755	0.782	-3.6	86	0.00
53	TMP	Tetrachloroethene	0.473	0.500	-5.7	89	0.00
54	TMP	Dibromochloromethane	0.912	0.929	-1.9	85	0.00
55	TMP	1,2-Dibromoethane (EDB)	0.823	0.820	0.4	87	-0.03
56	I	Chlorobenzene-d5	1.000	1.000	0.0	91	0.00
57	TMP	Chlorobenzene	1.151	1.129	1.9	88	0.00
58	TMP	Ethylbenzene	1.957	1.693	13.5	81	0.00
59	TMP	1,1,2,2-Tetrachloroethane	1.545	1.510	2.3	90	0.00
60	TMP	Nonane	1.017	0.956	6.0	84	0.00
61	TMP	Isopropylbenzene	1.868	1.825	2.3	87	0.00
62	TMP	2-Chlorotoluene	0.464	0.448	3.4	85	0.00
63	TMP	Propylbenzene	3.426	3.426	0.0	86	0.00
64	TMP	4-Ethyltoluene	1.627	1.503	7.6	85	0.00
65	TMP	m,p-Xylene	0.641	0.607	5.3	82	0.00
66	TMP	o-Xylene	0.636	0.609	4.2	84	0.00
67	TMP	Styrene	0.840	0.780	7.1	80	0.00
68	TMP	Bromoform	1.062	1.063	-0.1	88	0.00
69	S	4-Bromofluorobenzene	0.665	0.700	-5.3	93	0.00
70	TMP	Benzyl chloride	1.083	1.209	-11.6	99	0.00
71	TMP	1,3,5-Trimethylbenzene	1.539	1.556	-1.1	87	0.00
72	TMP	1,2,4-Trimethylbenzene	1.333	1.238	7.1	81	0.00
73	TMP	1,3-Dichlorobenzene	1.018	1.047	-2.8	91	0.00
74	TMP	1,4-Dichlorobenzene	0.931	0.944	-1.4	90	0.00
75	TMP	1,2-Dichlorobenzene	1.040	1.078	-3.7	91	0.00
76	TMP	1,2,4-Trichlorobenzene	0.595	0.597	-0.3	105	0.00
77	TMP	Naphthalene	0.967	0.697	27.9	92	0.00
78	TMP	Hexachlorobutadiene	1.025	1.030	-0.5	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(32) Tetrahydrofuran (TMP)

10.596min (-0.131) 0.269 ppbv

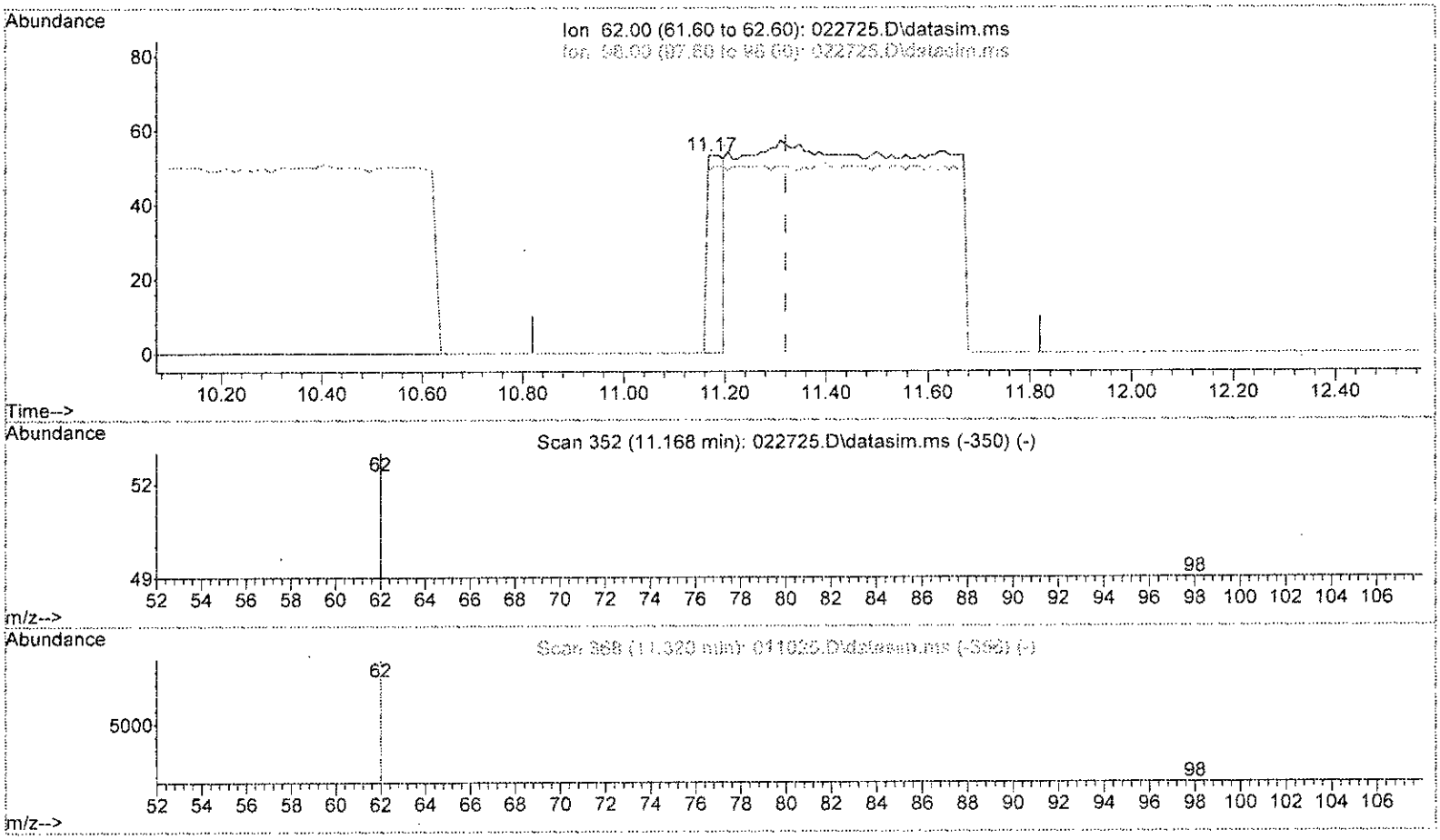
response 3366

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.168min (-0.152) 0.008 ppbv

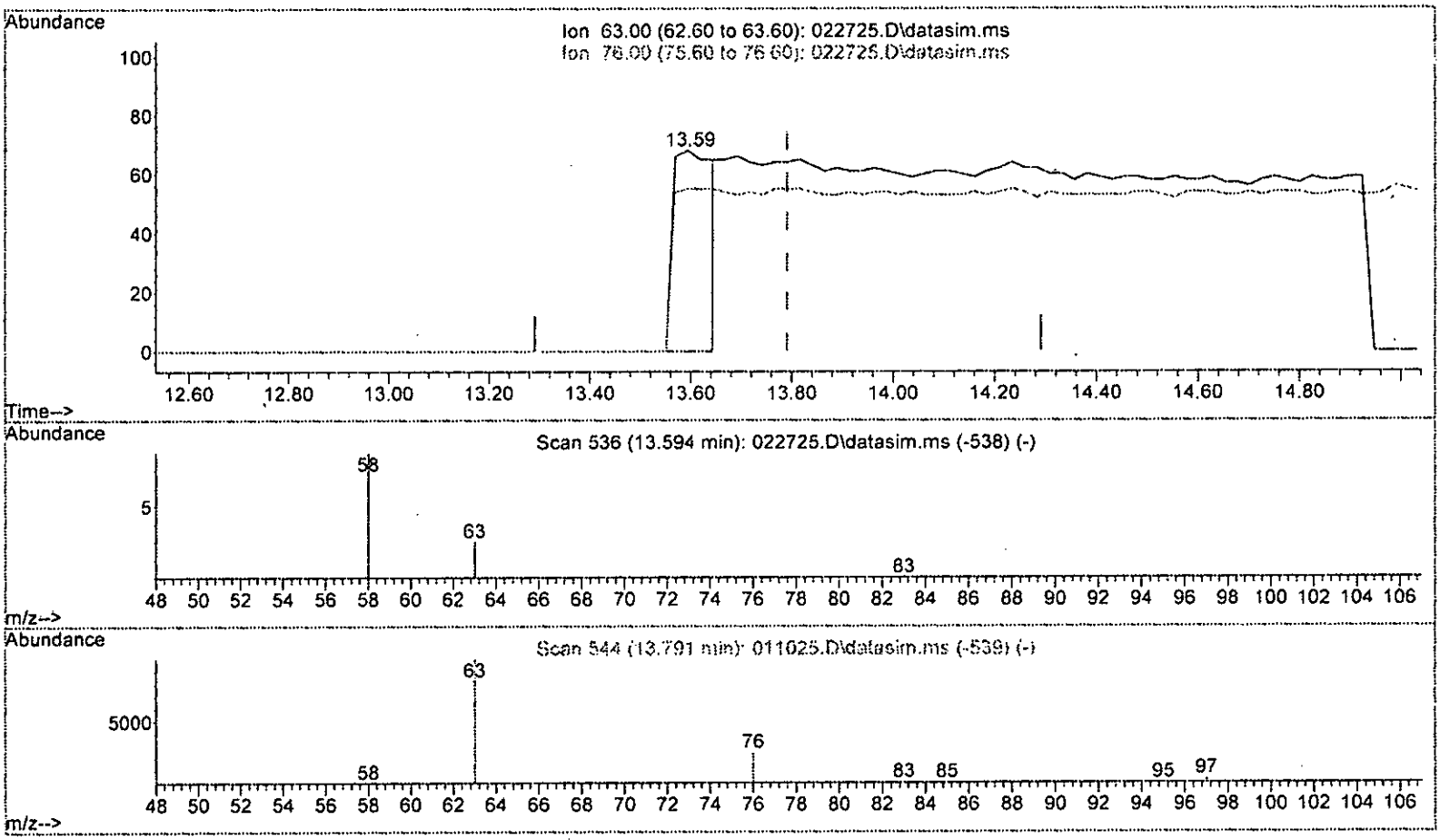
response 120

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	92.45#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.594min (-0.197) 0.023 ppbv

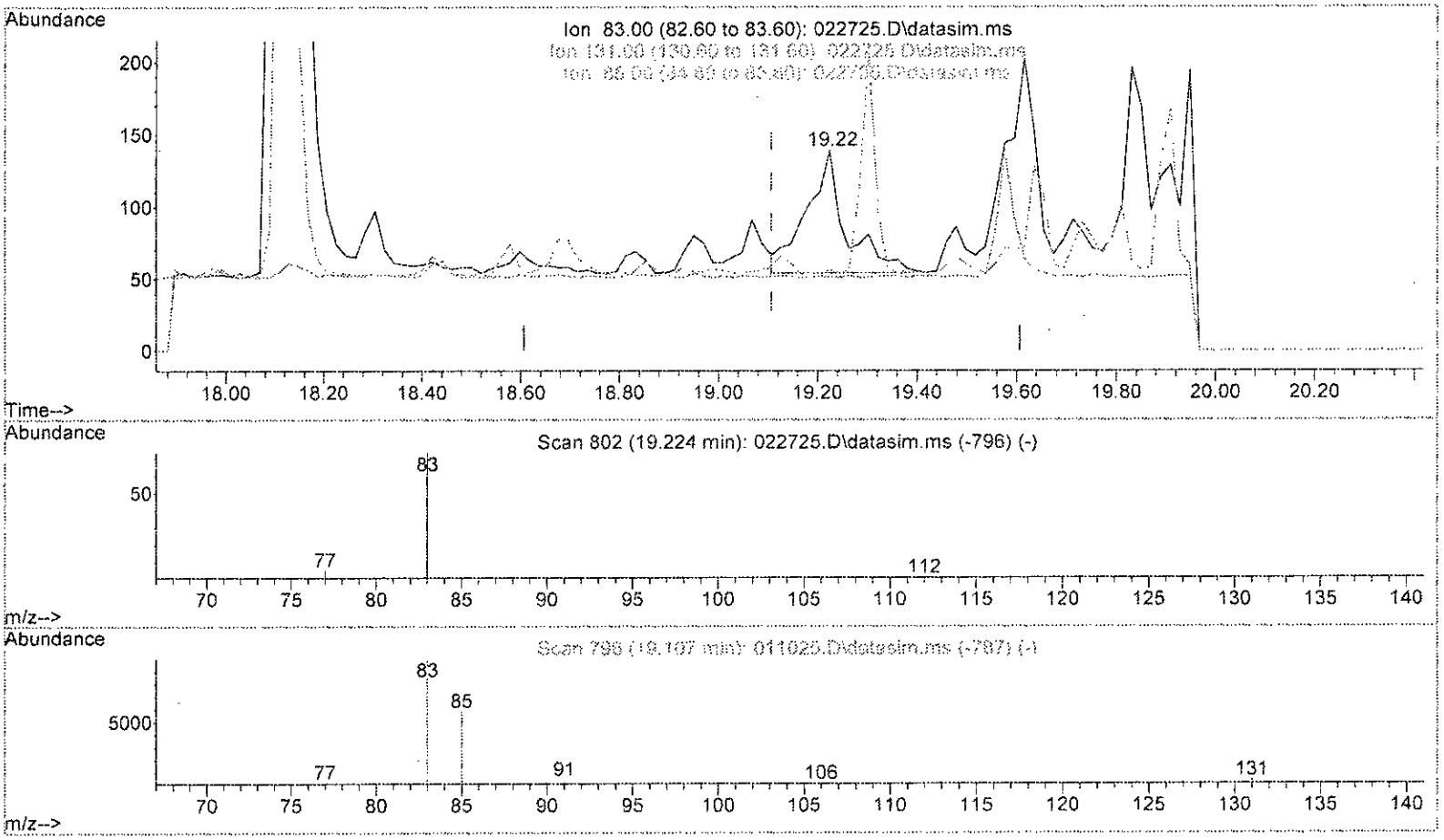
response 347

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	80.88#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(59) 1,1,2,2-Tetrachloroethane (TMP)

19.224min (+ 0.117) 0.012 ppbv

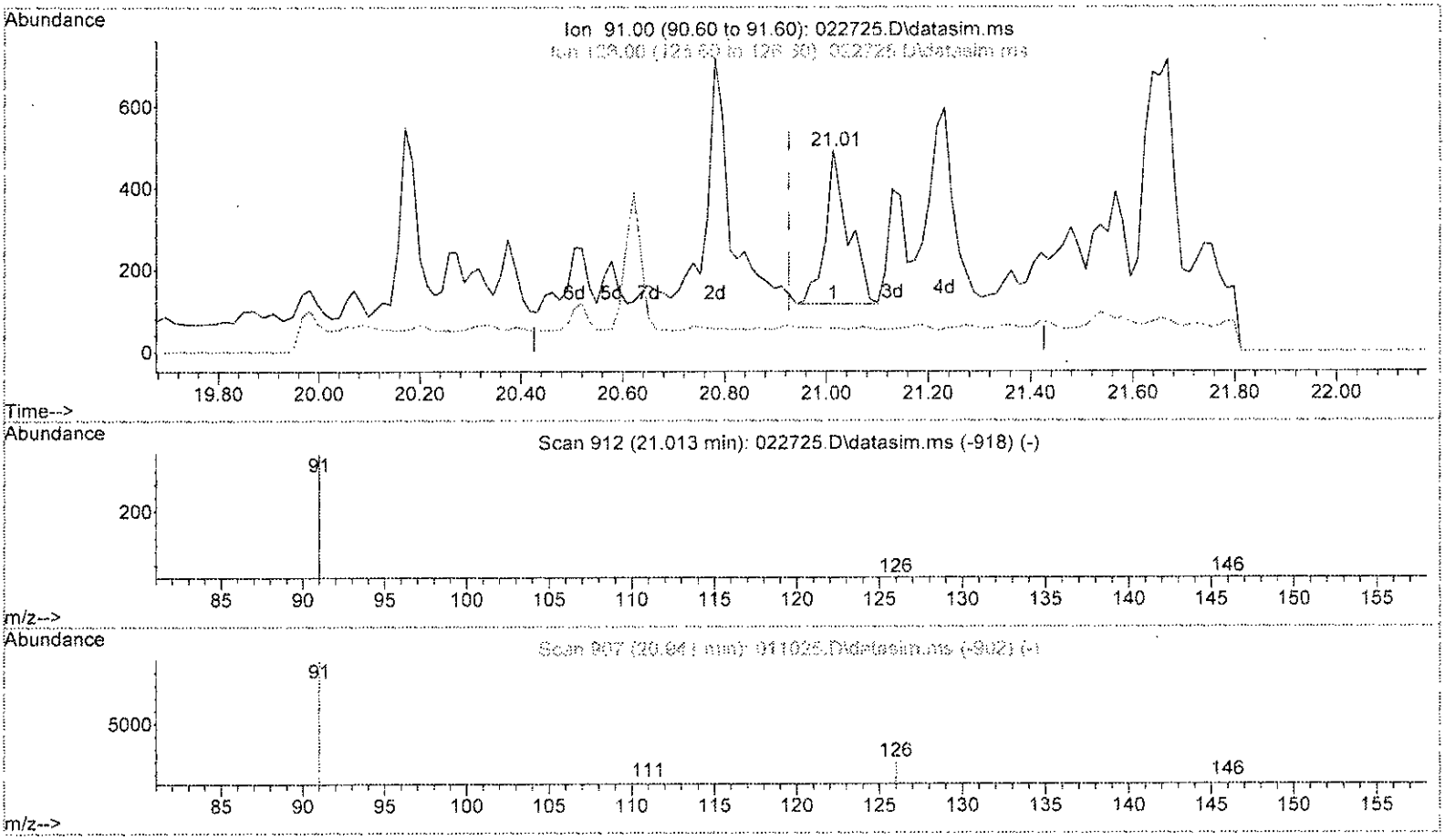
response 465

Ion	Exp%	Act%
83.00	100.00	100.00
131.00	8.10	0.00
85.00	64.60	3.53#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(70) Benzyl chloride (TMP)

21.013min (+ 0.087) 0.044 ppbv

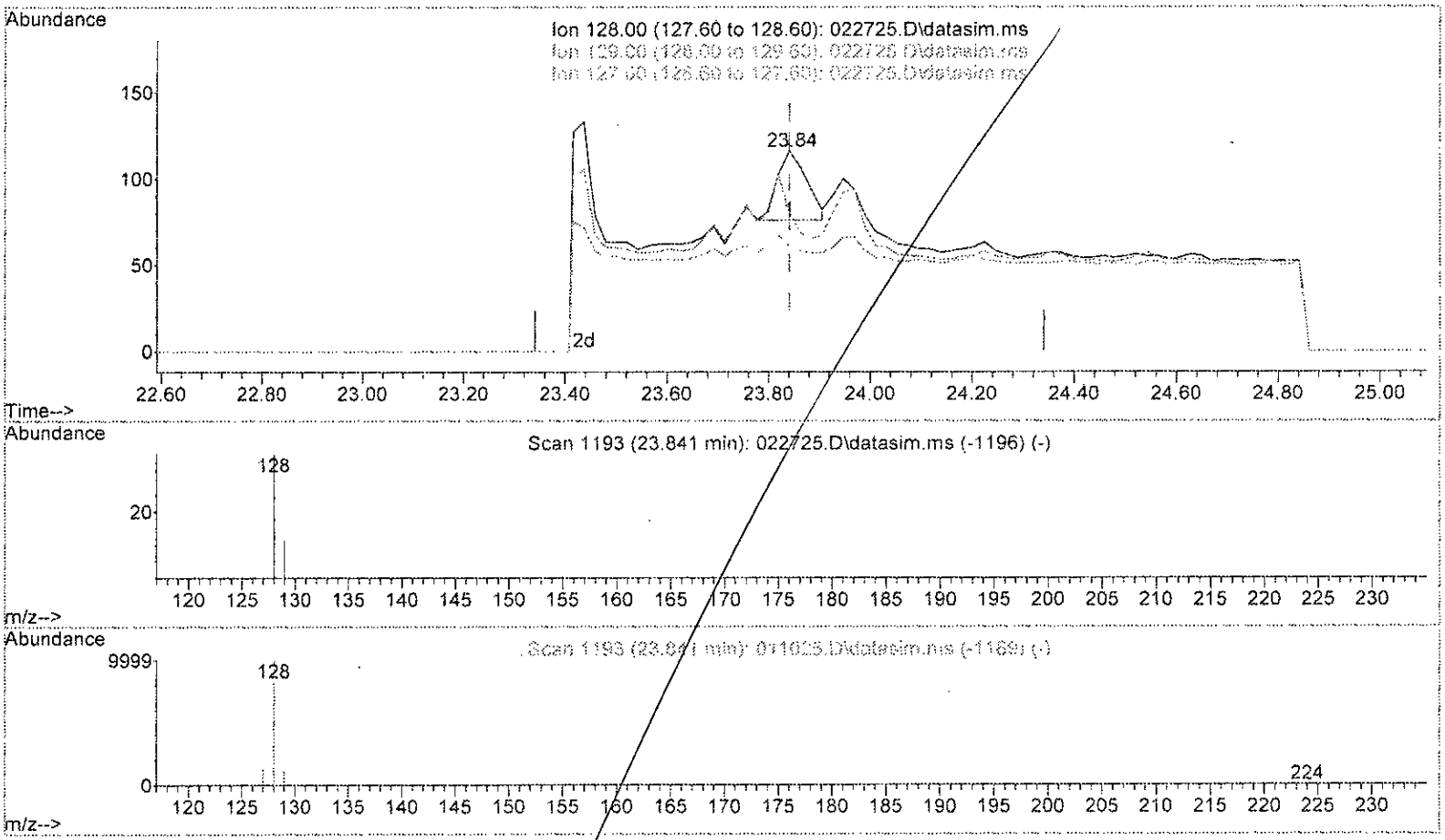
response 1158

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	0.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(77) Naphthalene (TMP)

23.841min (-0.000) 0.004 ppbv

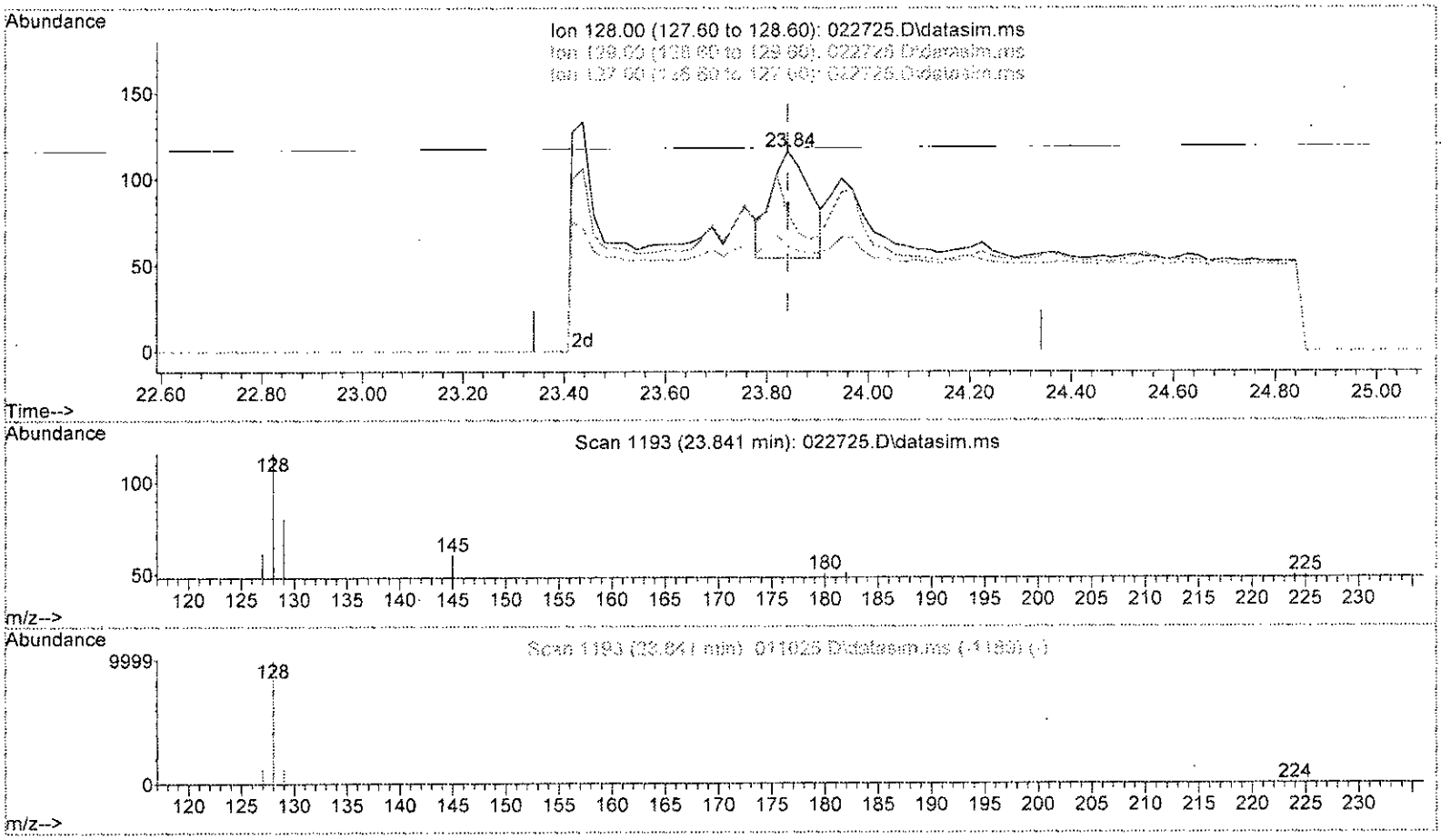
response 162

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	32.90
127.00	13.20	10.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022725.D\data.ms

(77) Naphthalene (TMP)

23.841min (-0.000) 0.015 ppbv m

response 330

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	68.97#
127.00	13.20	52.59#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

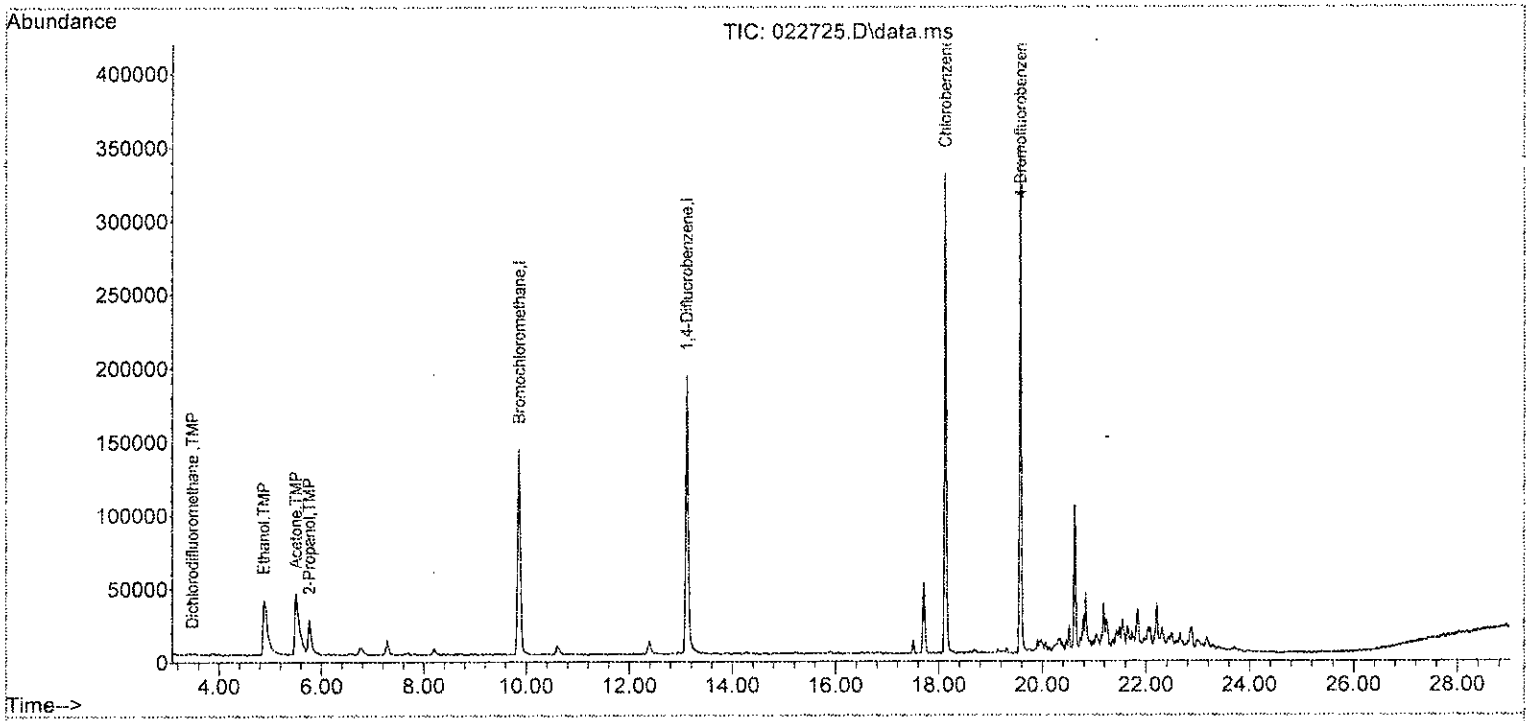
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67448	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	274165	10.000	ppbv	0.00
56)-Chlorobenzene-d5	18.12	117	242904	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	152092	9.423	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.20%		
Target Compounds						Qvalue
3) Dichlorodifluoromethane	3.49	85	2208	0.080	ppbv	85
12) Ethanol	4.88	45	145288	41.547	ppbv	96
16) Acetone	5.51	58	46779	9.487	ppbv	99
17) 2-Propanol	5.76	45	59863	3.143	ppbv #	97
53] Tetrachloroethene	17.51	164	2503	0.193	ppbv	95
77] Naphthalene	23.84	128	330m	0.015	ppbv	

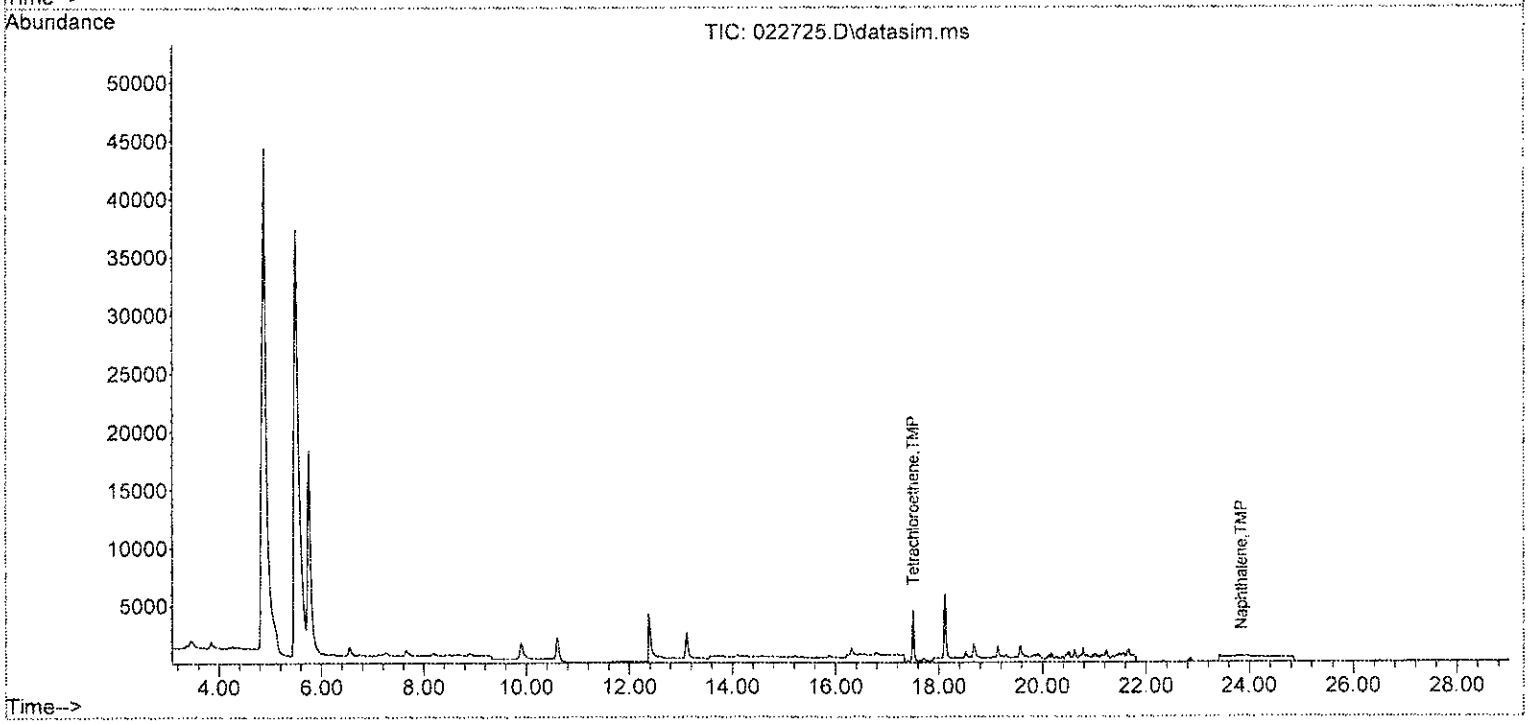
(#) = qualifier out of range (m) = manual integration (+) = signals summed

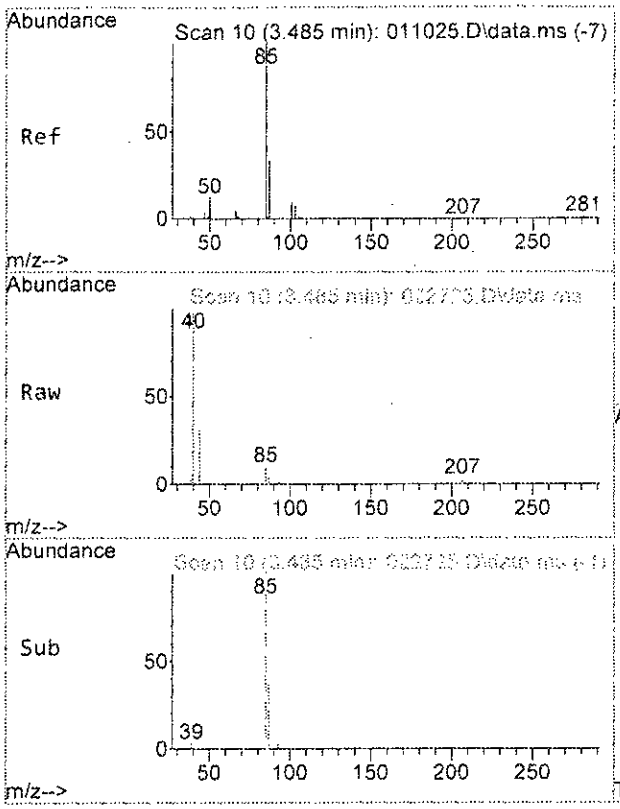
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



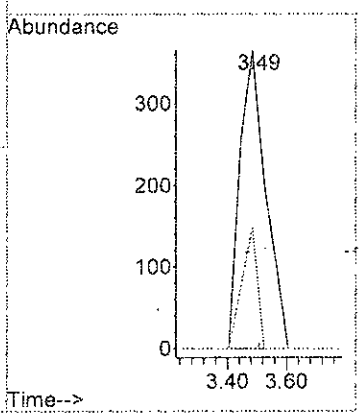


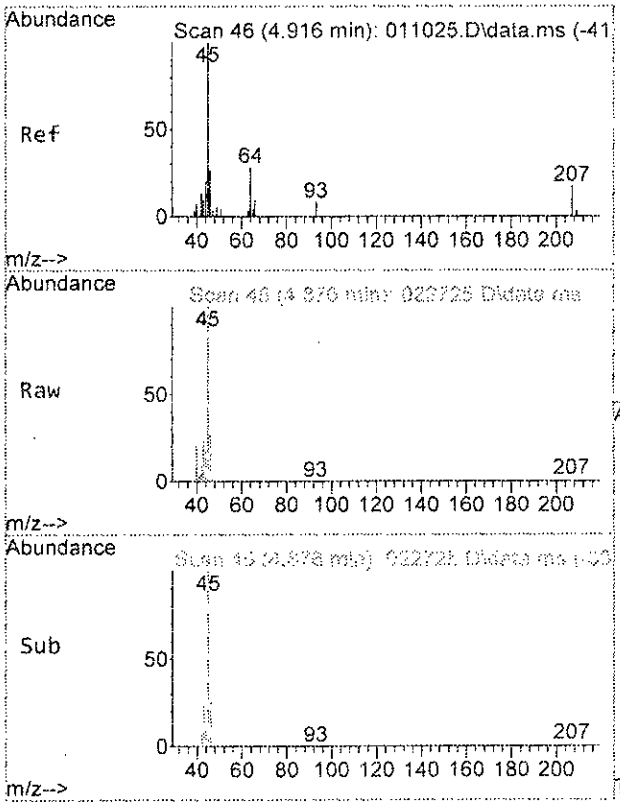


#3
Dichlorodifluoromethane
Concen: 0.080 ppbv
RT: 3.49 min Scan# 10
Delta R.T. 0.000 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion: 85 Resp: 2208

Ion	Ratio	Lower	Upper
85	100		
87	40.5	2.2	62.2

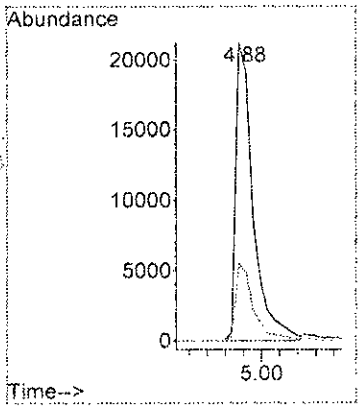


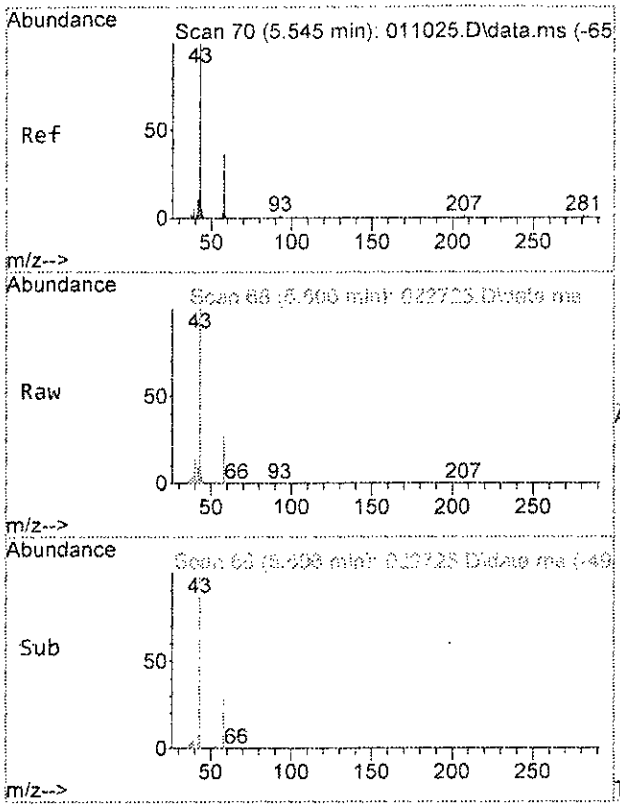


#12
Ethanol
Concen: 41.547 ppbv
RT: 4.88 min Scan# 45
Delta R.T. -0.040 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion: 45 Resp: 145288

Ion	Ratio	Lower	Upper
45	100		
46	27.6	0.0	55.5

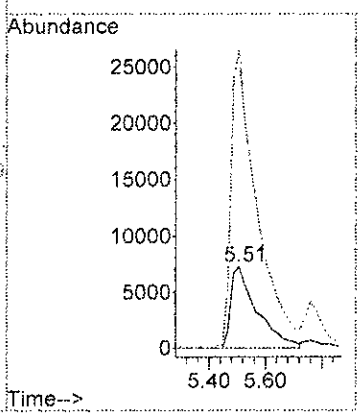


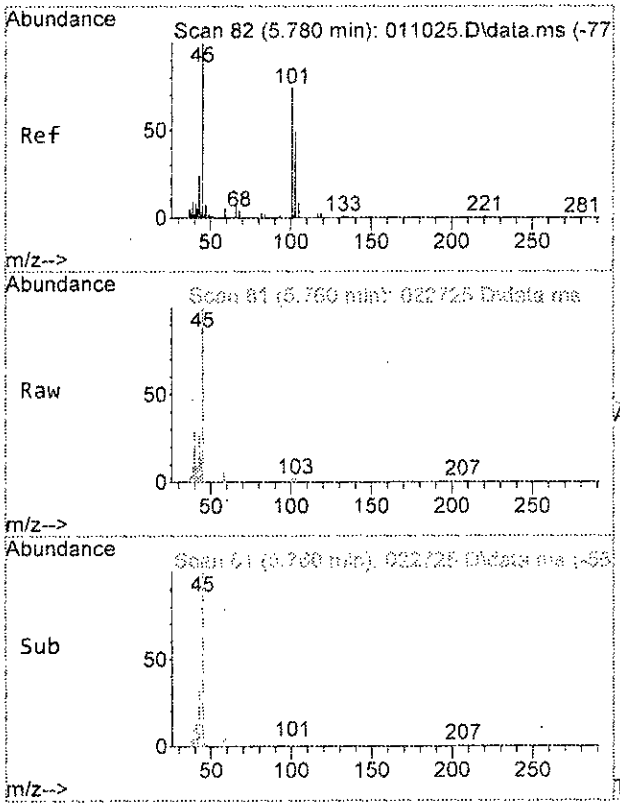


#16
Acetone
Concen: 9.487 ppbv
RT: 5.51 min Scan# 68
Delta R.T. -0.020 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion: 58 Resp: 46779

Ion	Ratio	Lower	Upper
58	100		
43	362.5	329.3	389.3

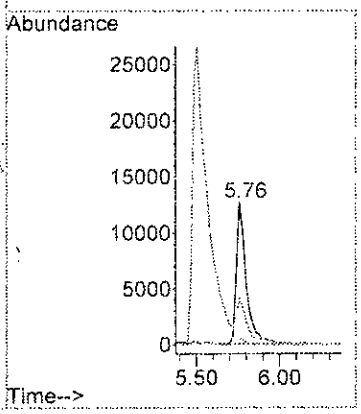


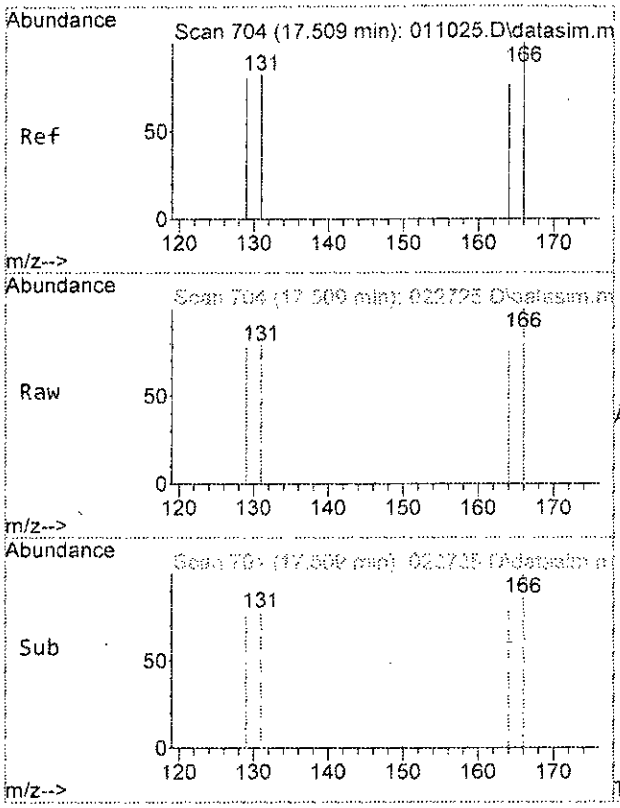


#17
2-Propanol
Concen: 3.143 ppbv
RT: 5.76 min Scan# 81
Delta R.T. -0.001 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion: 45 Resp: 59863

Ion	Ratio	Lower	Upper
45	100		
43	31.7	0.0	30.0#
59	4.5	0.0	33.6

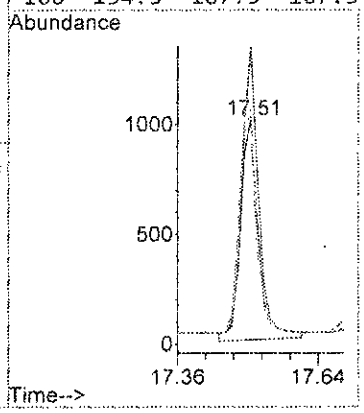


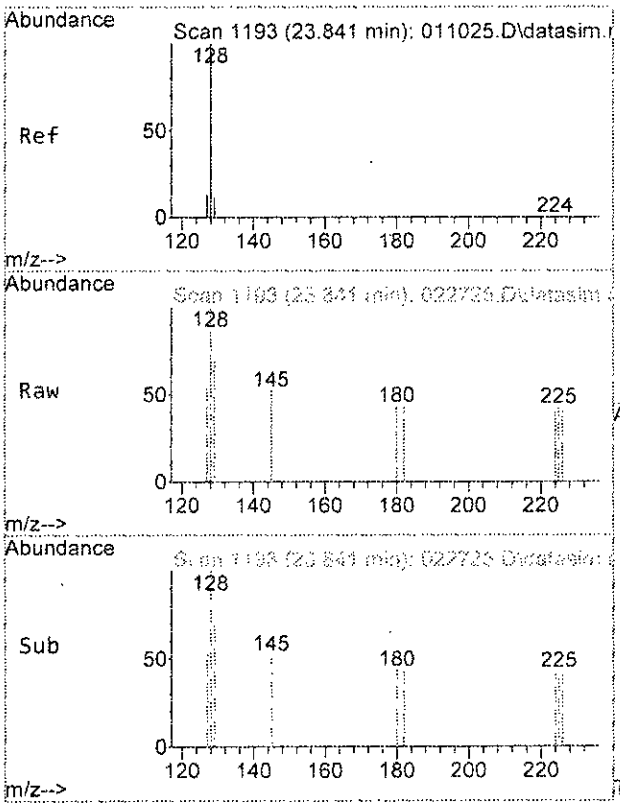


#53
Tetrachloroethene
Concen: 0.193 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion:164 Resp: 2503

Ion	Ratio	Lower	Upper
164	100		
129	102.6	63.2	123.2
131	105.0	70.7	130.7
166	134.5	107.5	167.5

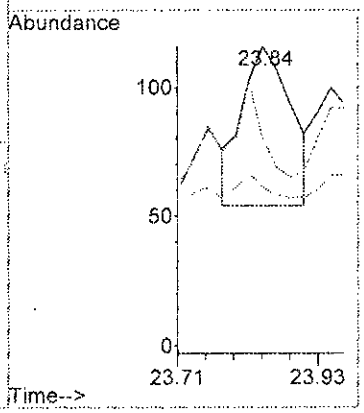




#77
Naphthalene
Concen: 0.015 ppbv m
RT: 23.84 min Scan# 1193
Delta R.T. -0.000 min
Lab File: 022725.D
Acq: 28 Feb 2023 3:43 am

Tgt Ion:128 Resp: 330

Ion	Ratio	Lower	Upper
128	100		
129	69.0	0.0	41.0#
127	52.6	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67448	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	274165	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	242904	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	152092	9.423	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.20%		
Target Compounds						Qvalue
2) Propene	3.41	41	501	N.D.		
3) Dichlorodifluoromethane	3.49	85	2208	0.080	ppbv	85
4) Chloromethane	3.69	50	145	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.24	43	465	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	5.22	106	465	N.D.		
12) Ethanol	4.88	45	145288	41.547	ppbv	96
13) Acrolein	0.00		0	N.D.		
14) Pentane	6.23	43	1171	N.D.		
15) Trichlorofluoromethane	5.80	101	5456	N.D.		
16) Acetone	5.51	58	46779	9.487	ppbv	99
17) 2-Propanol	5.76	45	59863	3.143	ppbv #	97
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.75	84	6725	N.D.		
21) t-Butyl alcohol (TBA)	6.57	59	1489	N.D.		
22) 3-Chloropropene	6.78	41	491	N.D.		
23) CFC-113	7.12	101	270	N.D.		
24) Carbon disulfide	7.20	76	393	N.D.		
25) Methyl t-butyl ether (...	8.54	73	109	N.D.		
26) Vinyl acetate	8.56	43	533	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	10.01	57	333	N.D.		
30) Chloroform	0.00		0	N.D.		
31) Ethyl acetate	9.92	43	5588	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.71	97	166	N.D.		
36) Carbon tetrachloride	12.84	117	172	N.D.		
37) Benzene	12.59	78	601	N.D.		
38) Cyclohexane	13.13	84	672	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

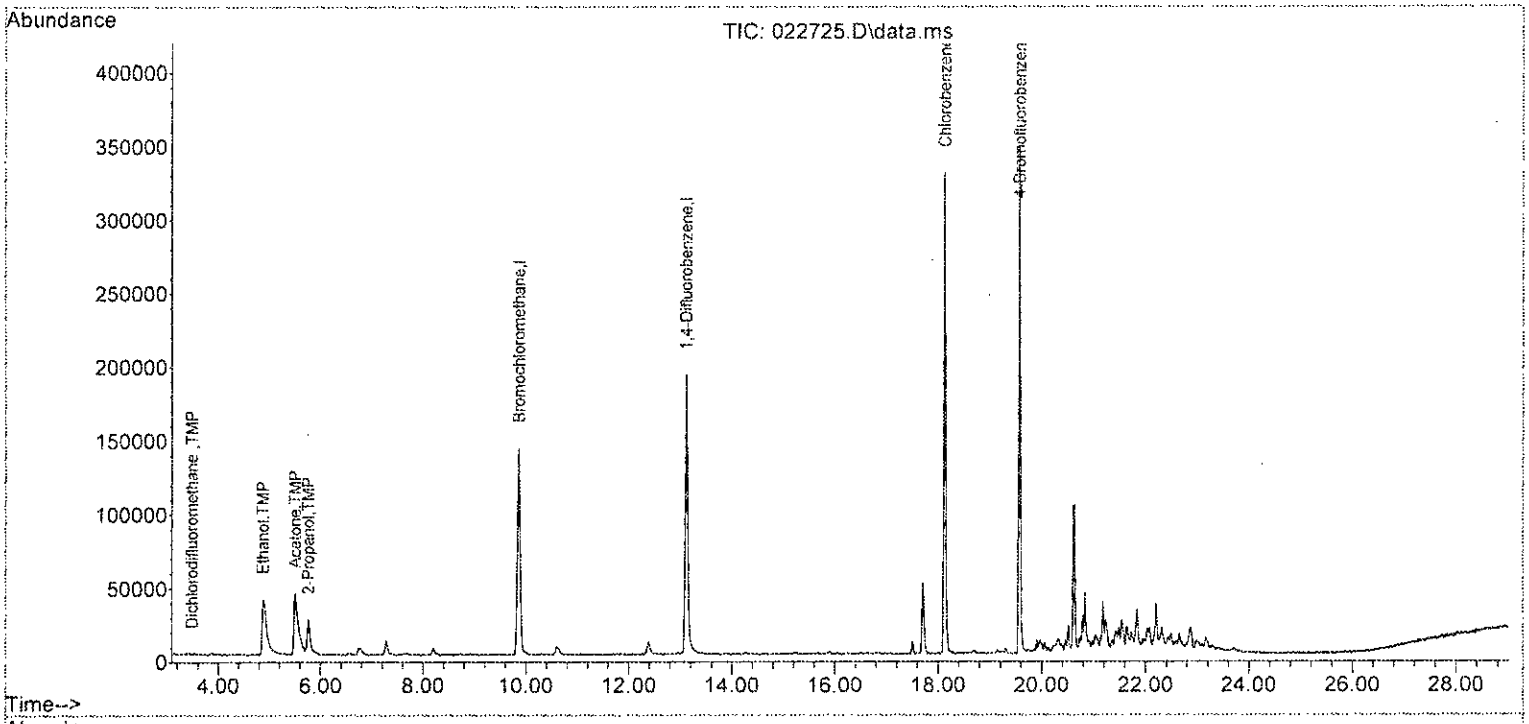
Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

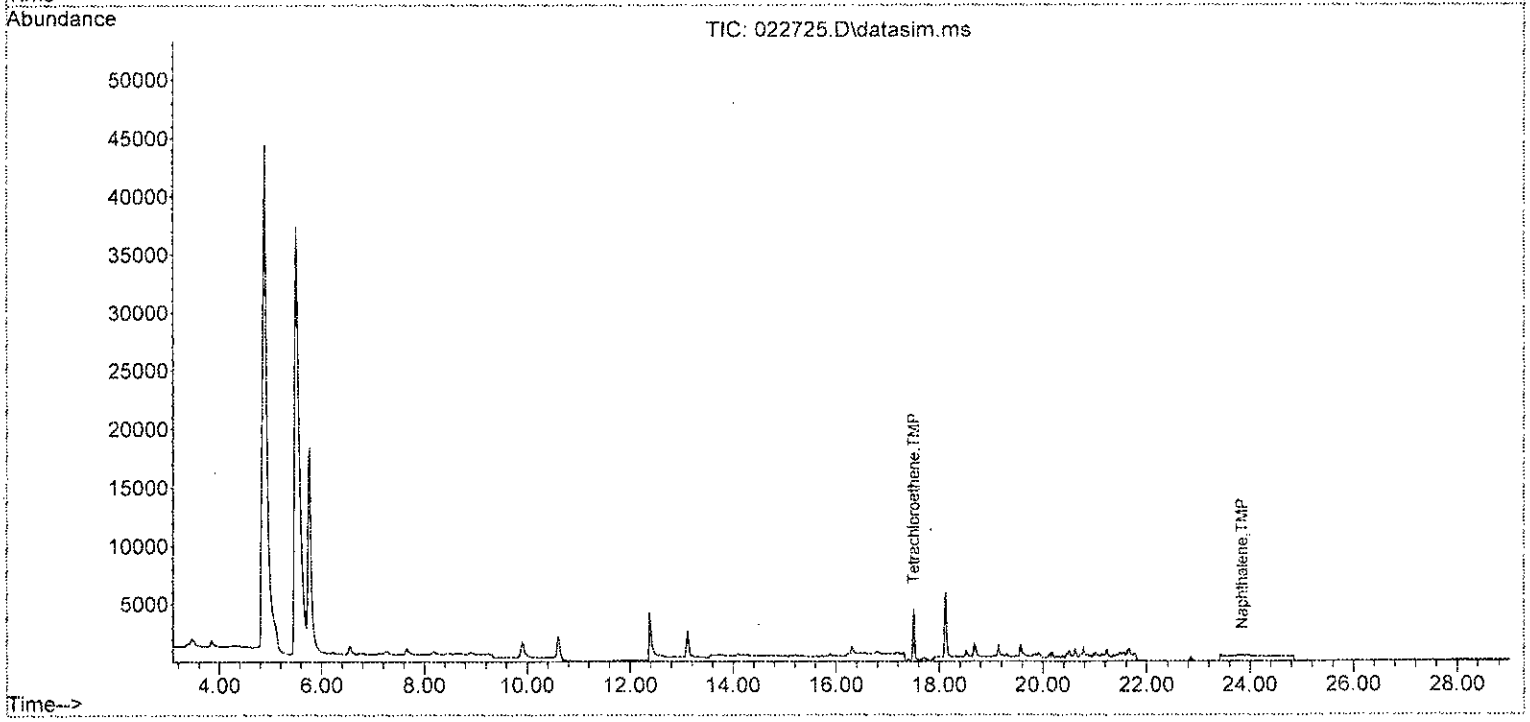
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	14.11	88	241	N.D.		
42) 2,2,4-Trimethylpentane	14.25	57	1023	N.D.		
43) Methyl methacrylate	14.28	41	583	N.D.		
44) Heptane	14.25	43	447	N.D.		
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	16.31	92	1843	N.D.		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	16.55	43	458	N.D.		
53] Tetrachloroethene	17.51	164	2503	0.193	ppbv	95
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	18.52	91	916	N.D.		
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	19.30	43	1668	N.D.		
61) Isopropylbenzene	19.69	105	211	N.D.		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	20.18	91	1375	N.D.		
64) 4-Ethyltoluene	20.27	105	3367	N.D.		
65) m,p-Xylene	18.68	106	1094	N.D.		
66) o-Xylene	19.15	106	637	N.D.		
67) Styrene	19.04	104	197	N.D.		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	20.38	105	2454	N.D.		
72) 1,2,4-Trimethylbenzene	20.79	105	7469	N.D.		
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77] Naphthalene	23.84	128	330m	0.015	ppbv	
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022725.D
Acq On : 28 Feb 2023 3:43 am
Operator : bat
Sample : 302352-02 dup 1/5.1
Misc : T12
ALS Vial : 25 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:01 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

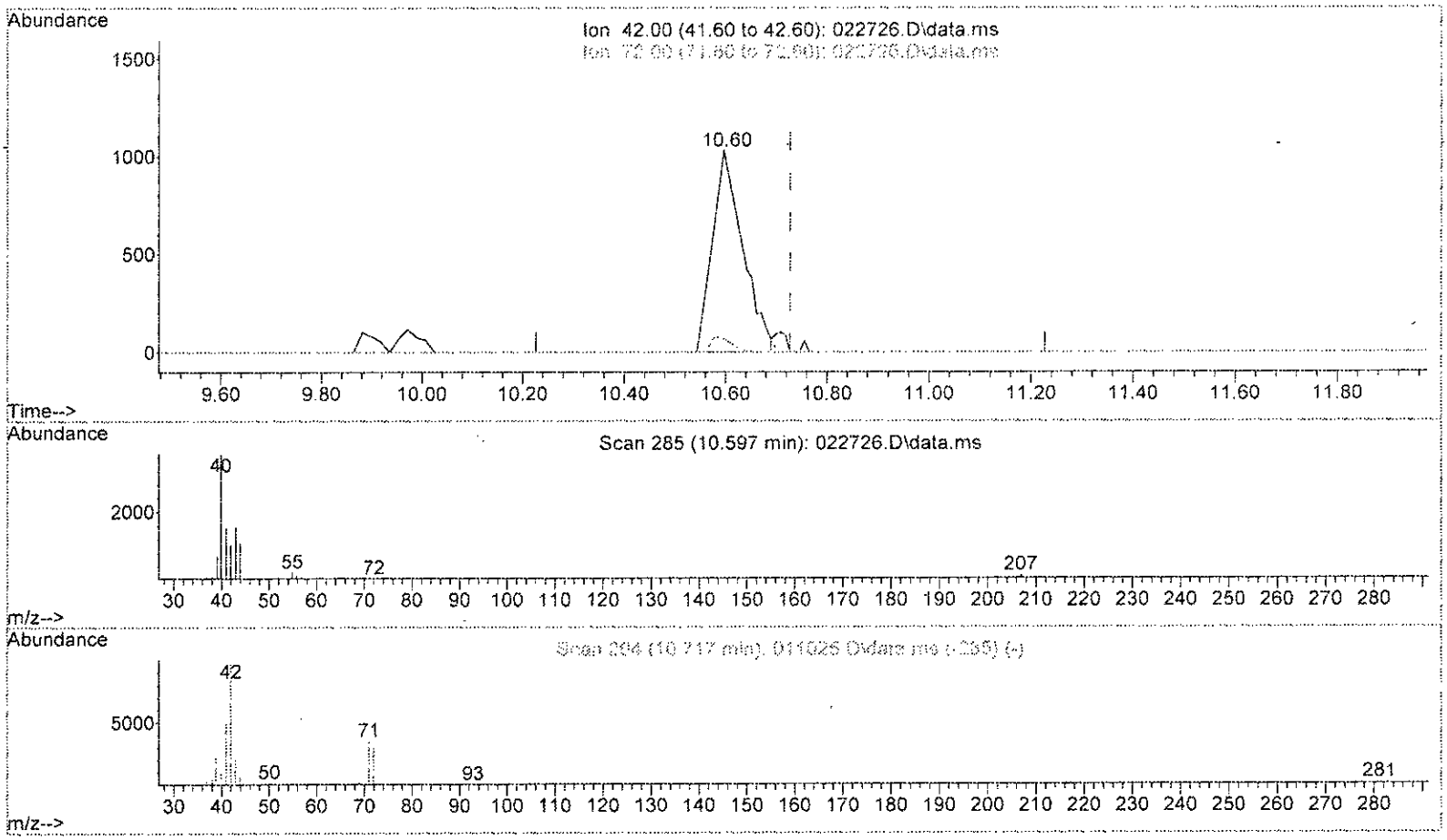




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022726.D\data.ms

(32) Tetrahydrofuran (TMP)

10.597min (-0.130) 0.273 ppbv

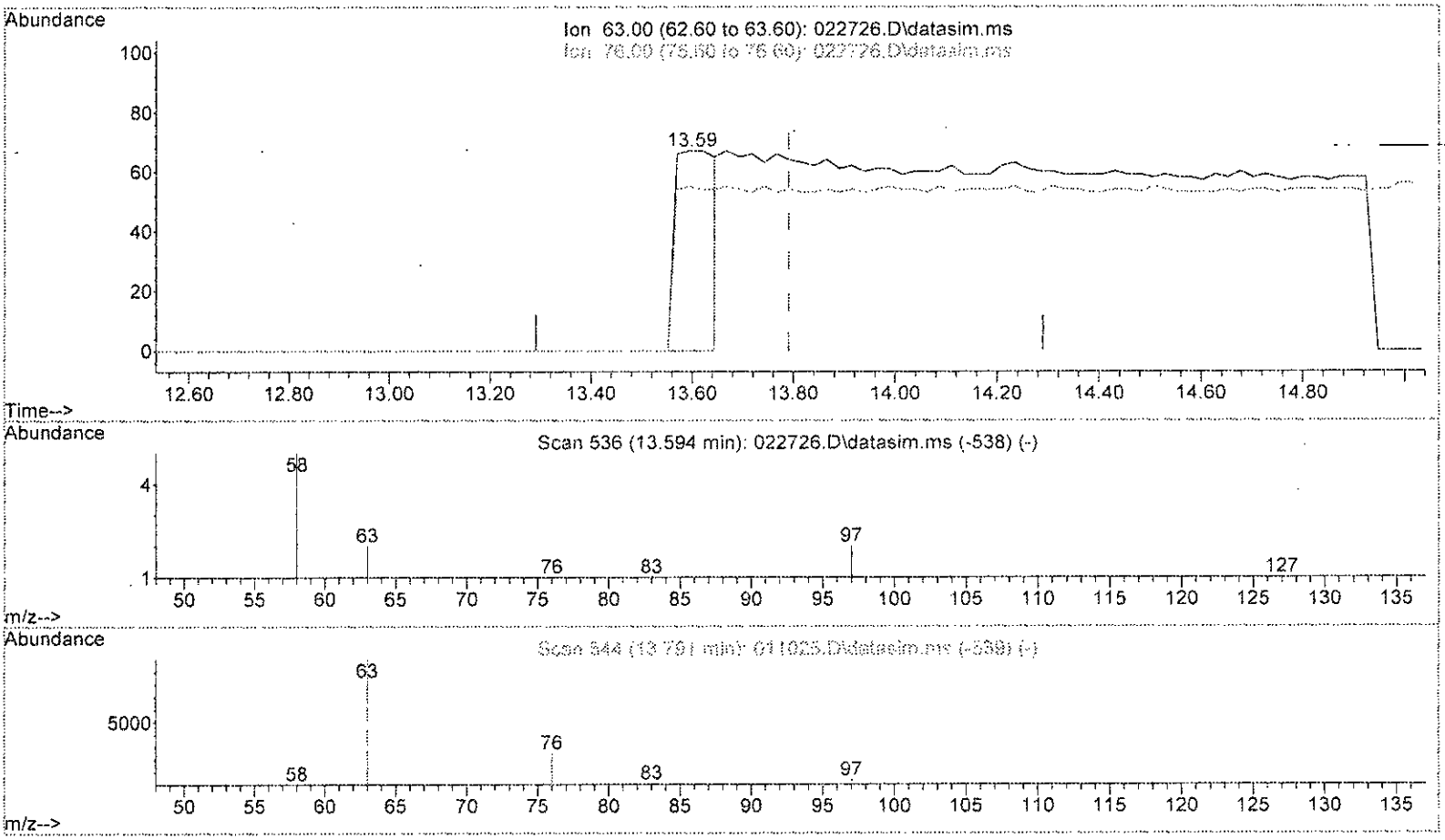
response 3333

Ion	Exp%	Act%
42.00	100.00	100.00
72.00	33.70	5.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022726.D\data.ms

(40) 1,2-Dichloropropane (TMP)

13.594min (-0.197) 0.023 ppbv

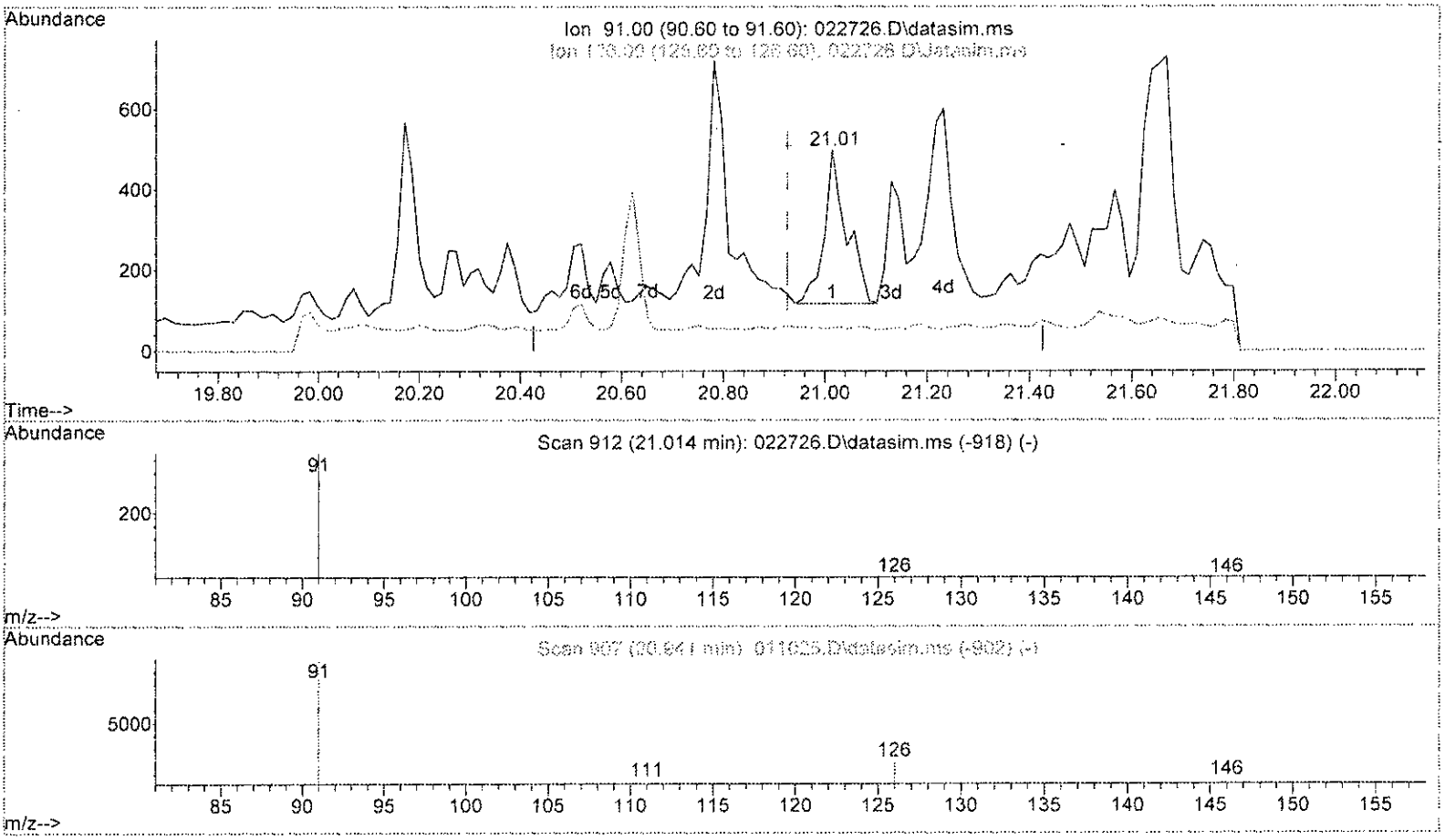
response 349

Ion	Exp%	Act%
63.00	100.00	100.00
76.00	25.70	82.09#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022726.D\data.ms

(70) Benzyl chloride (TMP)

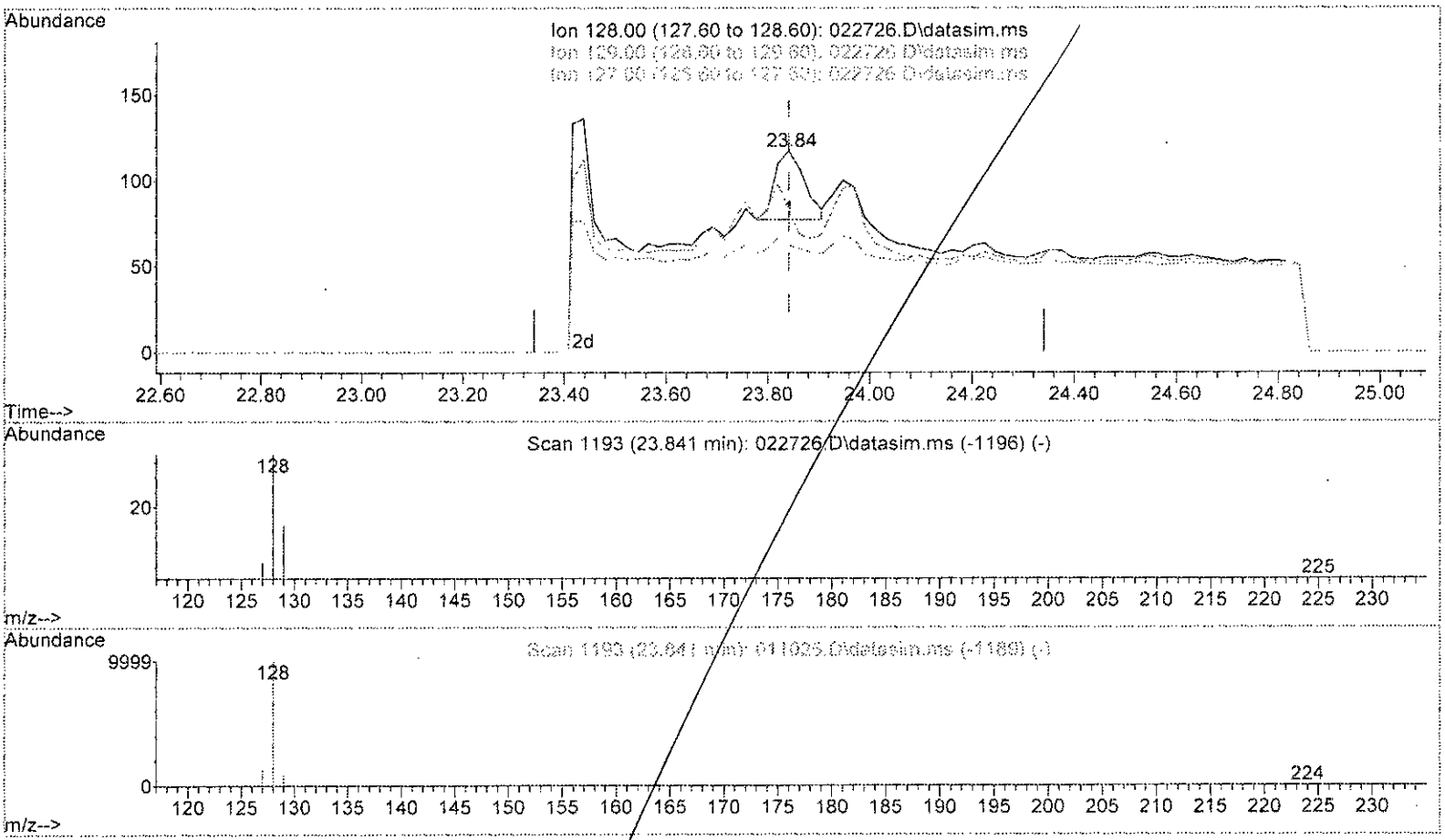
21.014min (+ 0.088) 0.043 ppbv

response 1156

Ion	Exp%	Act%
91.00	100.00	100.00
126.00	20.00	1.58
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022726.D\data.ms

(77) Naphthalene (TMP)

23.841min (+ 0.000) 0.003 ppbv

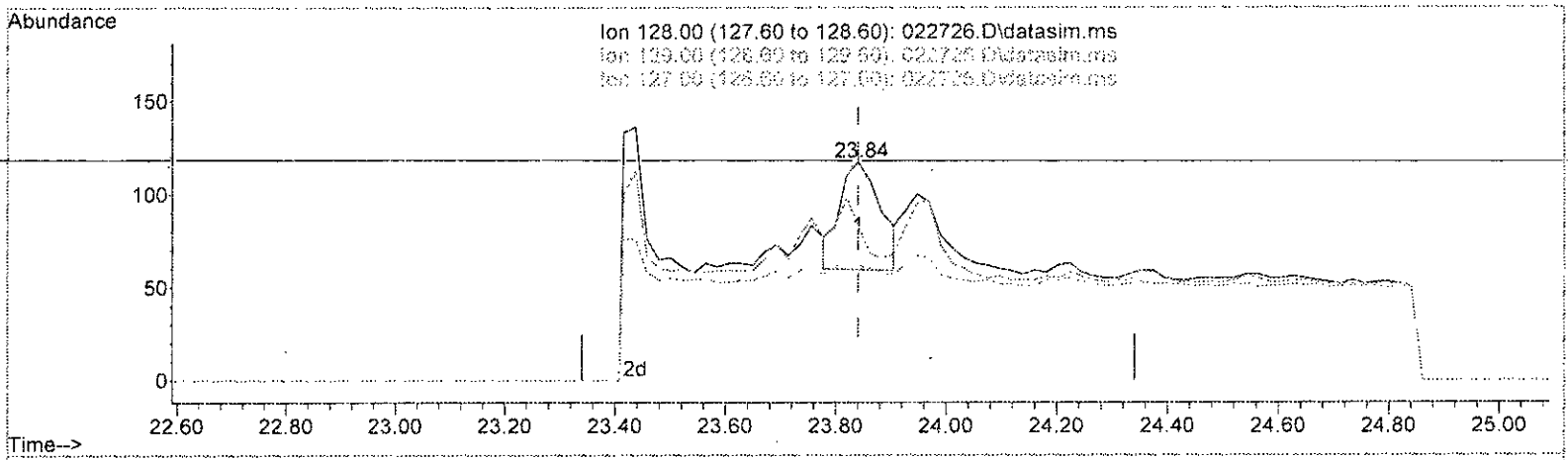
response 162

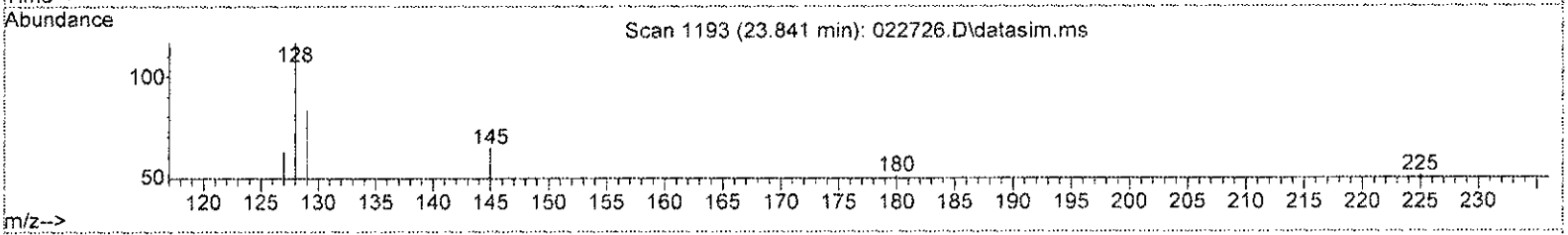
Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	37.50
127.00	13.20	12.50
0.00	0.00	0.00

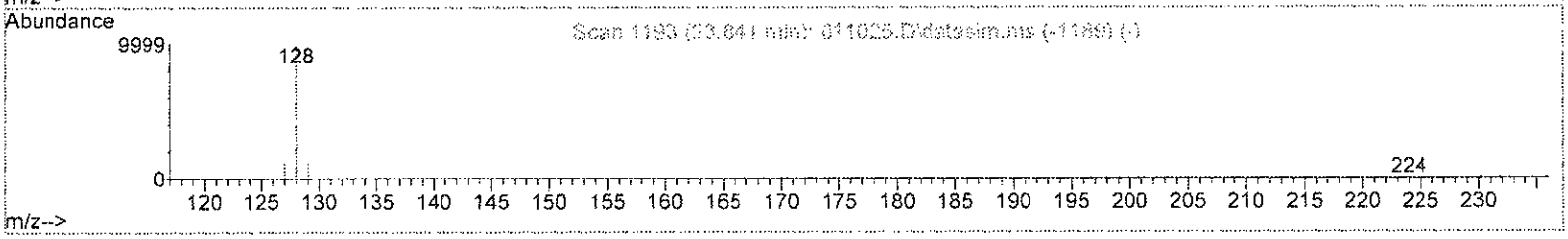
Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M







TIC: 022726.D\data.ms

(77) Naphthalene (TMP)

23.841min (+ 0.000) 0.012 ppbv m

response 296

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	11.00	70.94#
127.00	13.20	52.99#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

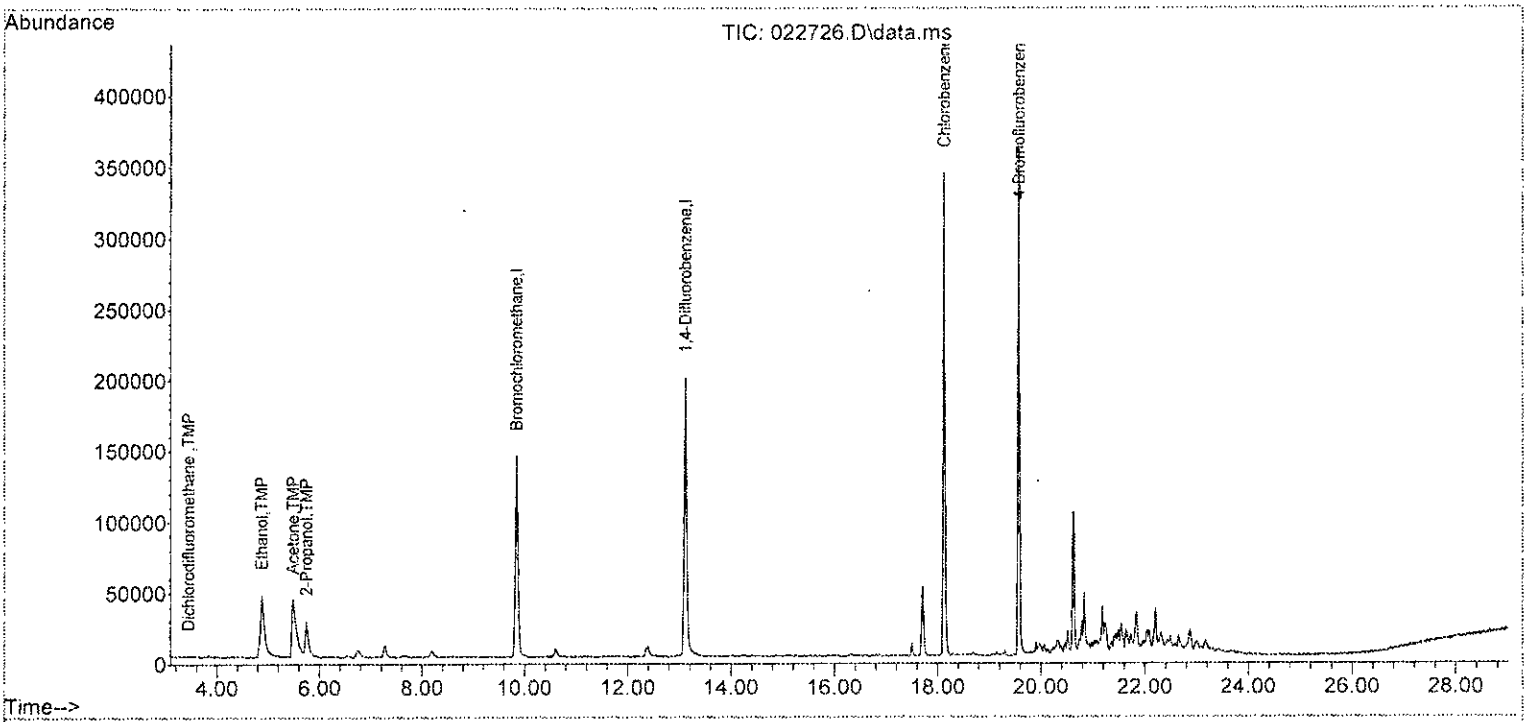
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.85	128	65657	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	272201	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	247597	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	155540	9.454	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%			
Target Compounds						Qvalue
2) Propene	3.37	41	162	Below Cal	#	1
3) Dichlorodifluoromethane	3.45	85	1993	0.074	ppbv	95
12) Ethanol	4.88	45	131312	38.799	ppbv	100
16) Acetone	5.49	58	48721	10.150	ppbv #	77
17) 2-Propanol	5.74	45	61855	3.336	ppbv #	99
53] Tetrachloroethene	17.51	164	2532	0.197	ppbv	97
77] Naphthalene	23.84	128	296m	0.012	ppbv	

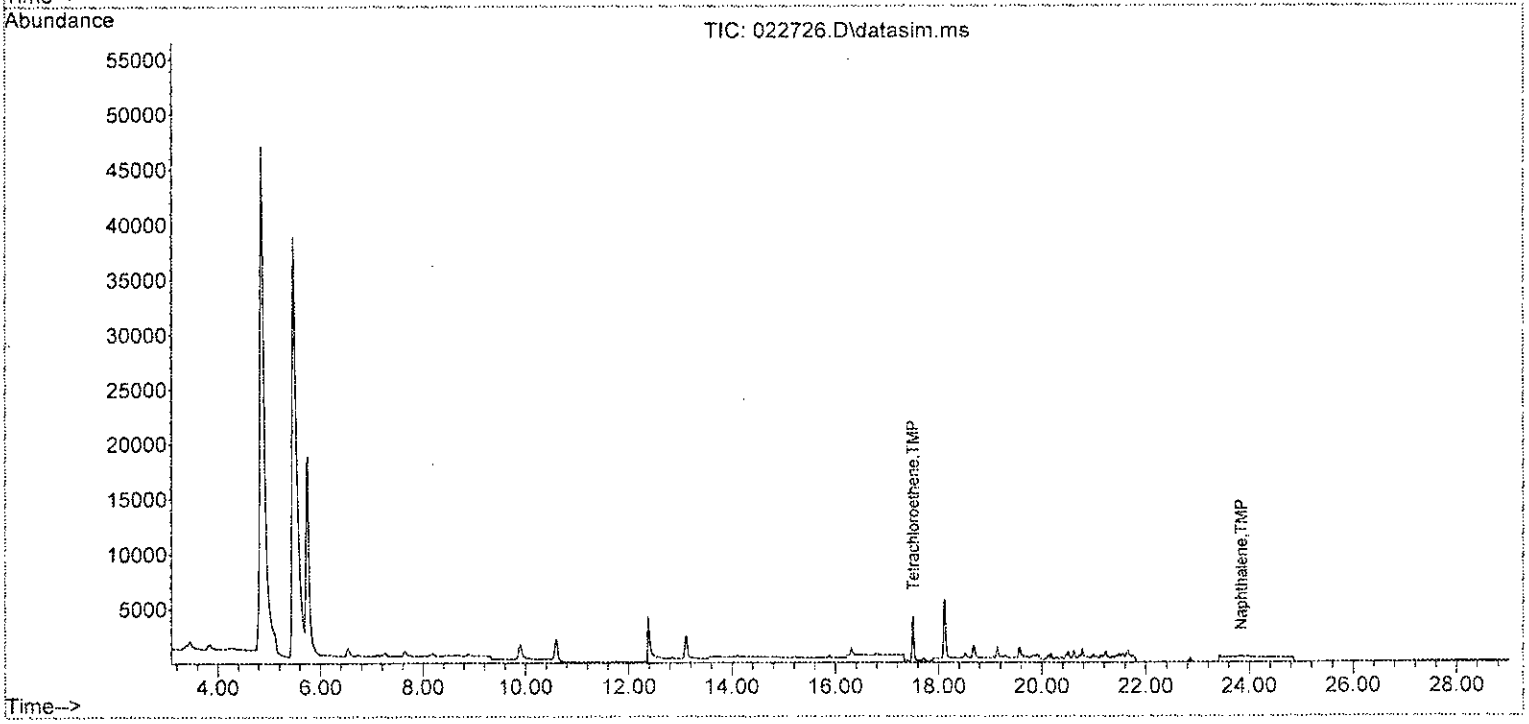
(#) = qualifier out of range (m) = manual integration (+) = signals summed

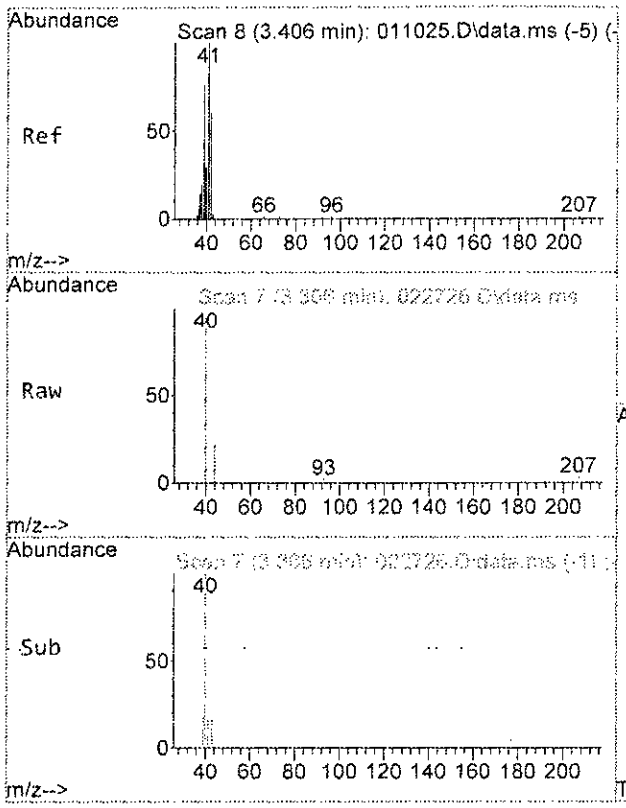
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



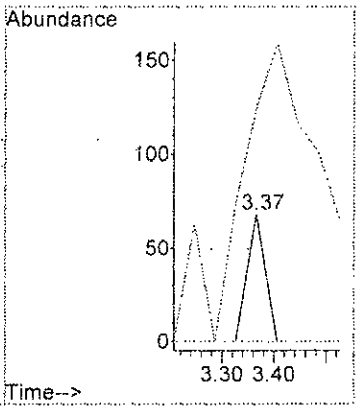


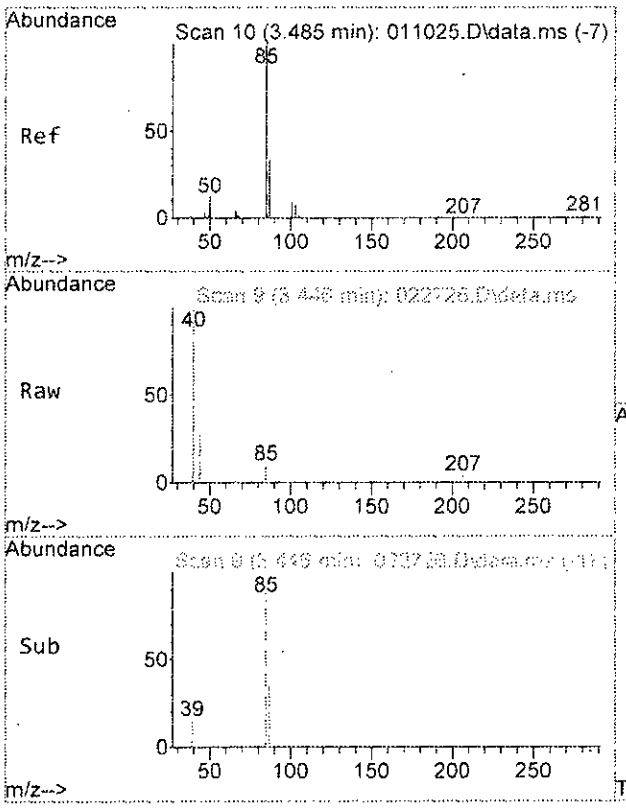


#2
Propene
Concen: Below Cal
RT: 3.37 min Scan# 7
Delta R.T. -0.040 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion: 41 Resp: 162

Ion	Ratio	Lower	Upper
41	100		
39	183.8	45.6	105.6#
27	0.0	0.0	30.0

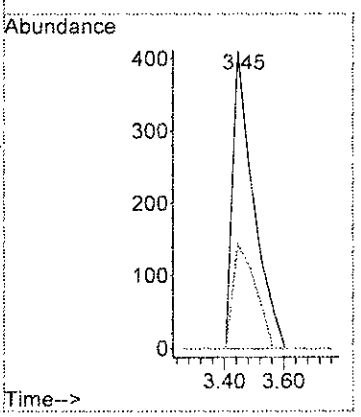


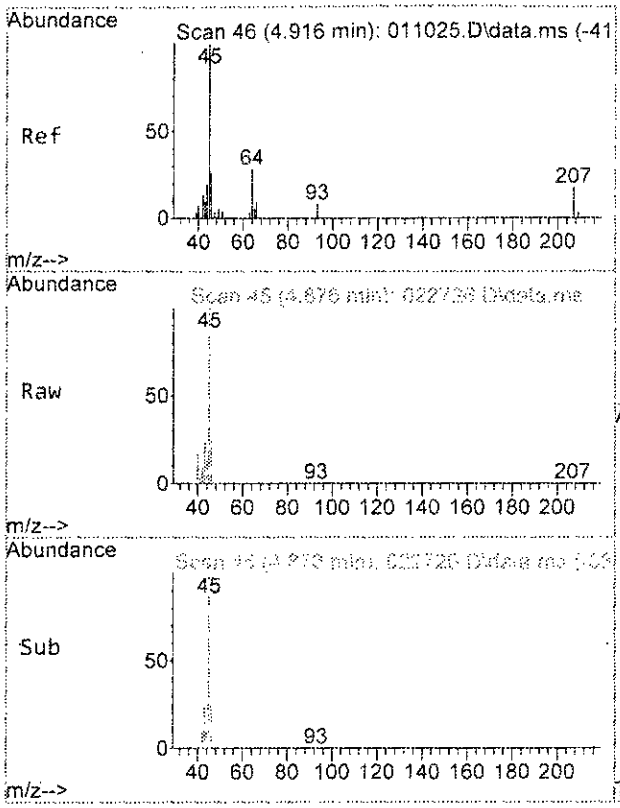


#3
Dichlorodifluoromethane
Concen: 0.074 ppbv
RT: 3.45 min Scan# 9
Delta R.T. -0.039 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion: 85 Resp: 1993

Ion	Ratio	Lower	Upper
85	100		
87	35.0	2.2	62.2

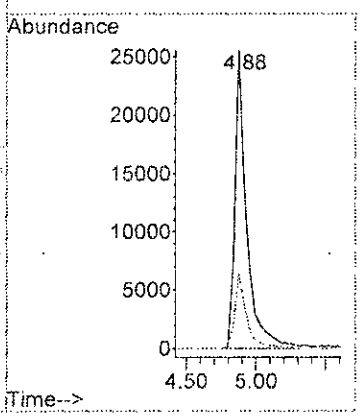


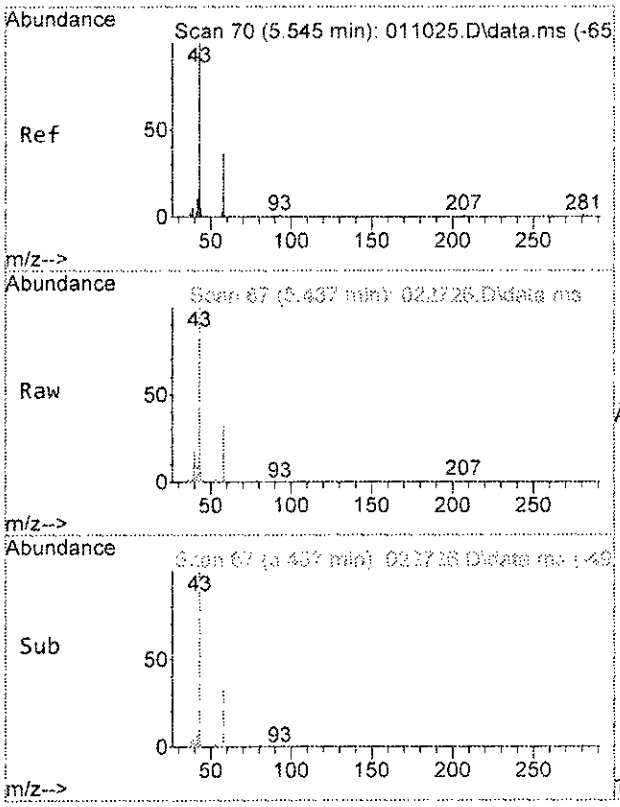


#12
Ethanol
Concen: 38.799 ppbv
RT: 4.88 min Scan# 45
Delta R.T. -0.040 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion: 45 Resp: 131312

Ion	Ratio	Lower	Upper
45	100		
46	25.6	0.0	55.5

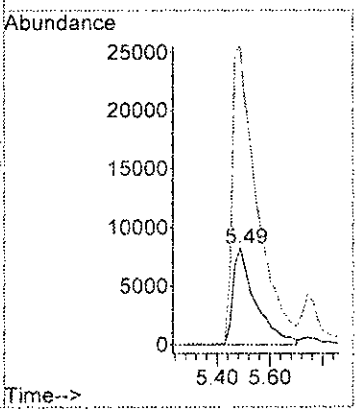


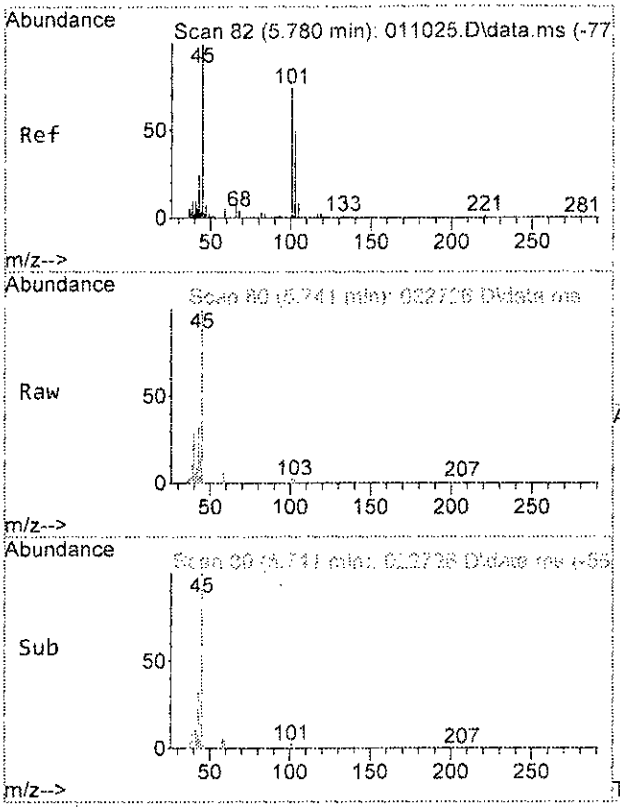


#16
Acetone
Concen: 10.150 ppbv
RT: 5.49 min Scan# 67
Delta R.T. -0.039 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion: 58 Resp: 48721

Ion	Ratio	Lower	Upper
58	100		
43	309.0	329.3	389.3#

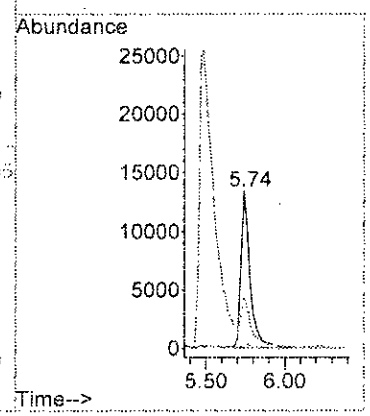


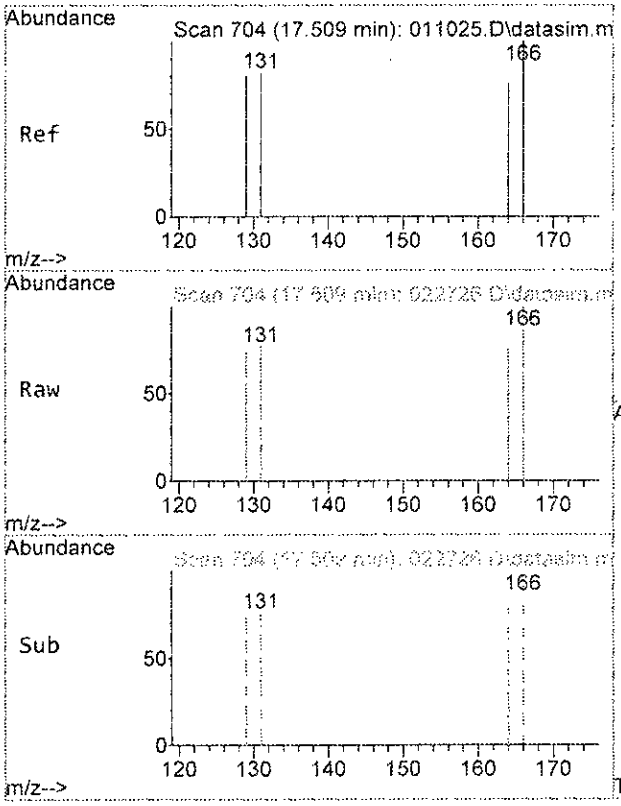


#17
2-Propanol
Concen: 3.336 ppbv
RT: 5.74 min Scan# 80
Delta R.T. -0.020 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion: 45 Resp: 61855

Ion	Ratio	Lower	Upper
45	100		
43	31.3	0.0	30.0#
59	4.0	0.0	33.6

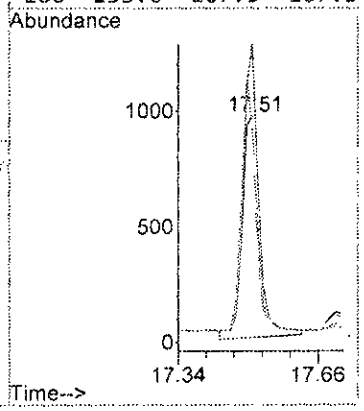


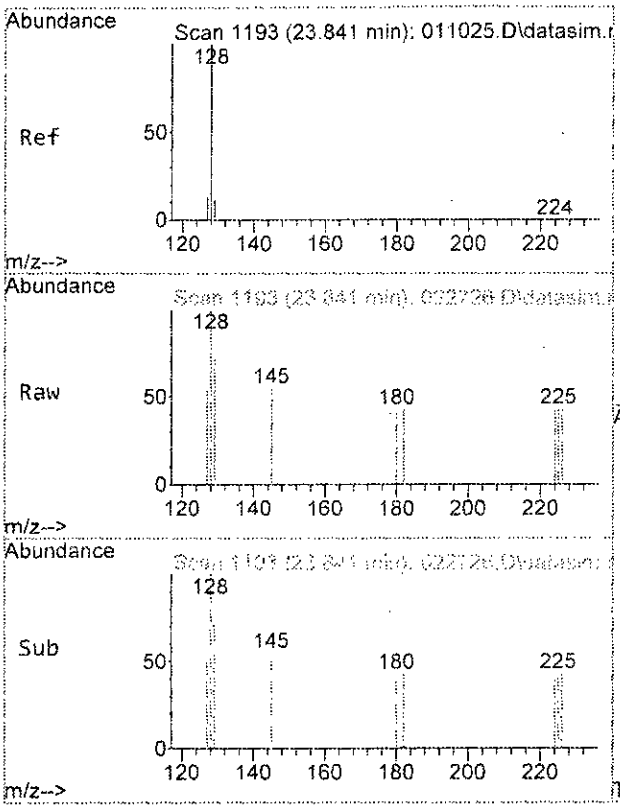


#53
Tetrachloroethene
Concen: 0.197 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion:164 Resp: 2532

Ion	Ratio	Lower	Upper
164	100		
129	97.7	63.2	123.2
131	101.3	70.7	130.7
166	133.6	107.5	167.5

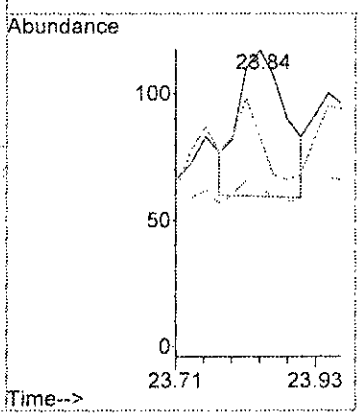




#77
Naphthalene
Concen: 0.012 ppbv m
RT: 23.84 min Scan# 1193
Delta R.T. 0.000 min
Lab File: 022726.D
Acq: 28 Feb 2023 4:18 am

Tgt Ion:128 Resp: 296

Ion	Ratio	Lower	Upper
128	100		
129	70.9	0.0	41.0#
127	53.0	0.0	43.2#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.85	128	65657	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	272201	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	247597	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	155540	9.454	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.50%			
Target Compounds						Qvalue
2) Propene	3.37	41	162	Below Cal	#	1
3) Dichlorodifluoromethane	3.45	85	1993	0.074	ppbv	95
4) Chloromethane	3.69	50	160	N.D.		
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	4.24	43	949	N.D.		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	5.16	106	270	N.D.		
12) Ethanol	4.88	45	131312	38.799	ppbv	100
13) Acrolein	0.00		0	N.D.		
14) Pentane	6.23	43	1679	N.D.		
15) Trichlorofluoromethane	5.78	101	4644	N.D.		
16) Acetone	5.49	58	48721	10.150	ppbv #	77
17) 2-Propanol	5.74	45	61855	3.336	ppbv #	99
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	6.75	84	6177	N.D.		
21) t-Butyl alcohol (TBA)	6.54	59	1548	N.D.		
22) 3-Chloropropene	6.78	41	388	N.D.		
23) CFC-113	7.12	101	208	N.D.		
24) Carbon disulfide	7.20	76	541	N.D.		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	8.46	43	134	N.D.		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	9.99	57	209	N.D.		
30) Chloroform	0.00		0	N.D.		
31) Ethyl acetate	9.90	43	5790	N.D.		
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.		
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	12.84	117	173	N.D.		
37) Benzene	12.59	78	624	N.D.		
38) Cyclohexane	13.10	84	632	N.D.		
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

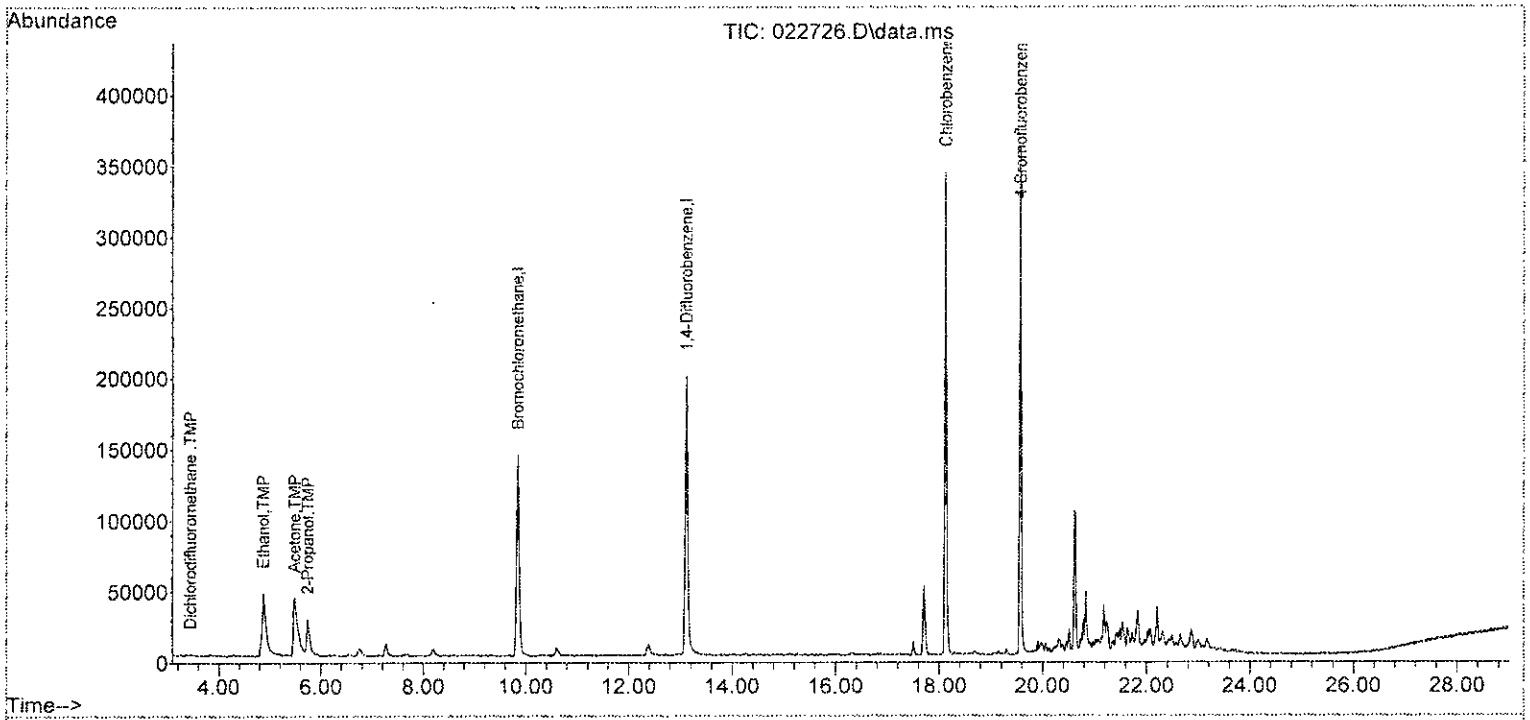
Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

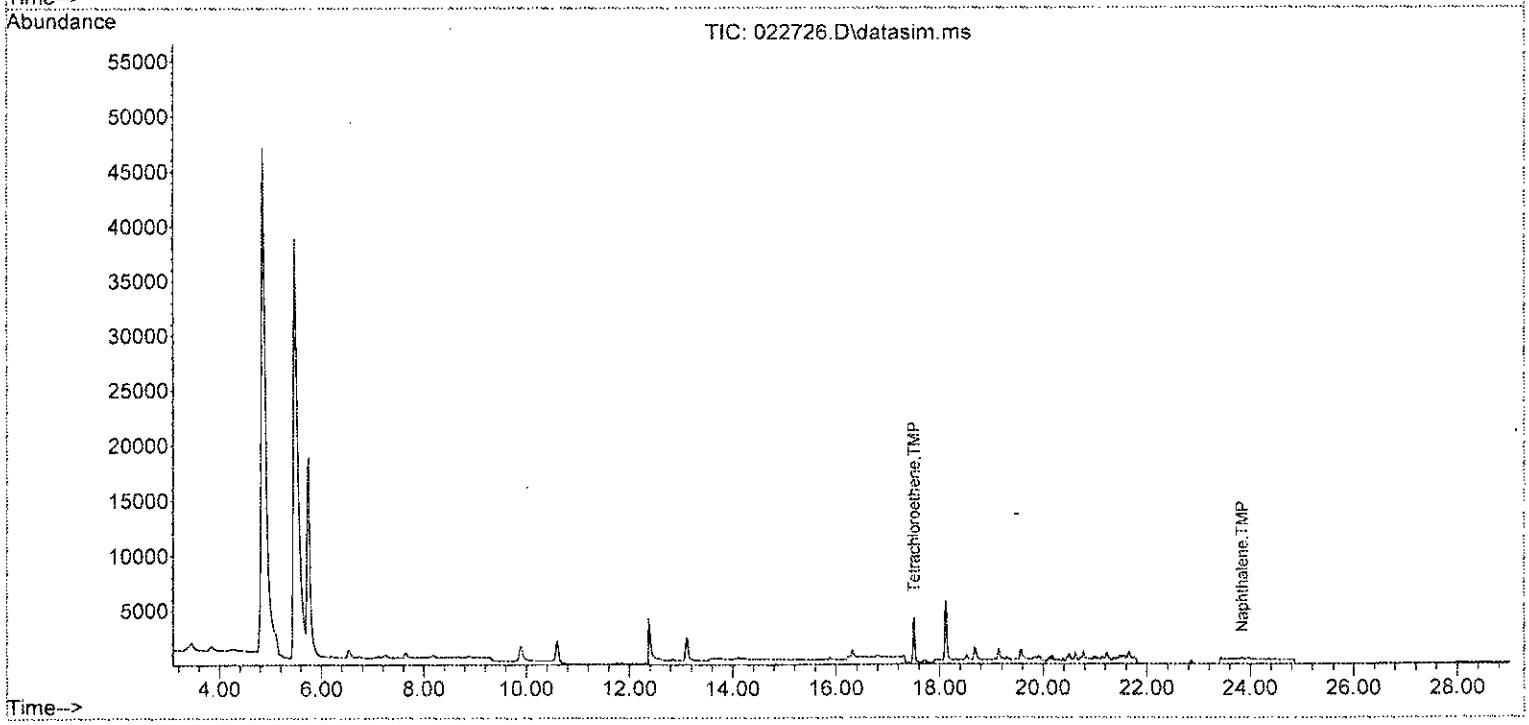
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	14.11	88	232	N.D.		
42) 2,2,4-Trimethylpentane	14.25	57	1221	N.D.		
43) Methyl methacrylate	14.28	41	673	N.D.		
44) Heptane	14.25	43	446	N.D.		
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	16.31	92	2250	N.D.		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	16.36	43	173	N.D.		
53] Tetrachloroethene	17.51	164	2532	0.197	ppbv	97
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	18.52	91	946	N.D.		
59) 1,1,2,2-Tetrachloroethane	19.22	83	275	N.D.		
60) Nonane	19.30	43	2015	N.D.		
61) Isopropylbenzene	19.69	105	485	N.D.		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	20.18	91	1127	N.D.		
64) 4-Ethyltoluene	20.59	105	2725	N.D.		
65) m,p-Xylene	18.68	106	1123	N.D.		
66) o-Xylene	19.15	106	666	N.D.		
67) Styrene	19.04	104	339	N.D.		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	20.38	105	2689	N.D.		
72) 1,2,4-Trimethylbenzene	20.79	105	7872	N.D.		
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77] Naphthalene	23.84	128	296m	0.012	ppbv	
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022726.D
Acq On : 28 Feb 2023 4:18 am
Operator : bat
Sample : 302352-02 1/5.1
Misc : T12
ALS Vial : 26 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:35:03 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



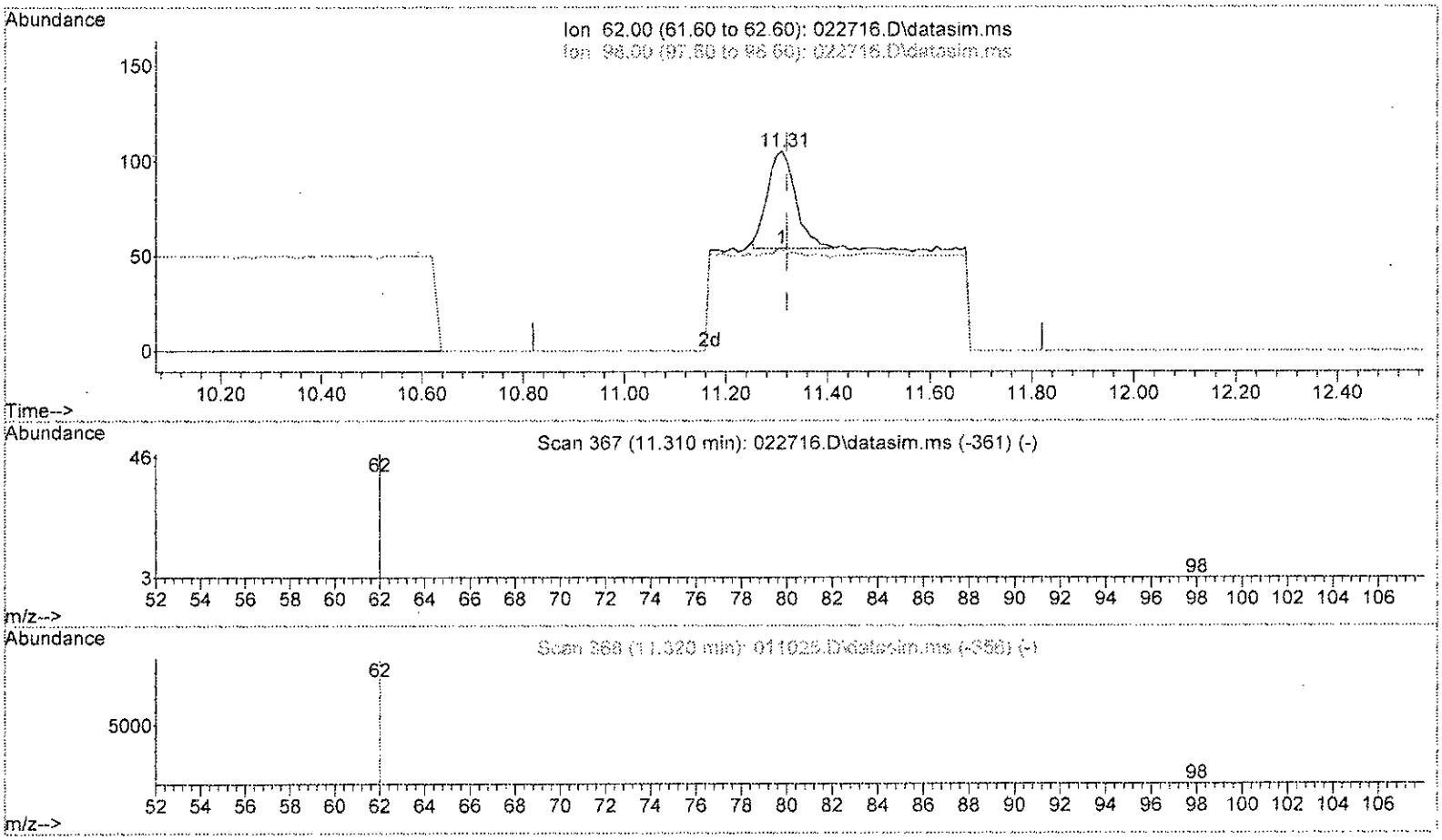


EPA TO-15
Sample Data

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022716.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)
11.310min (-0.010) 0.014 ppbv
response 196

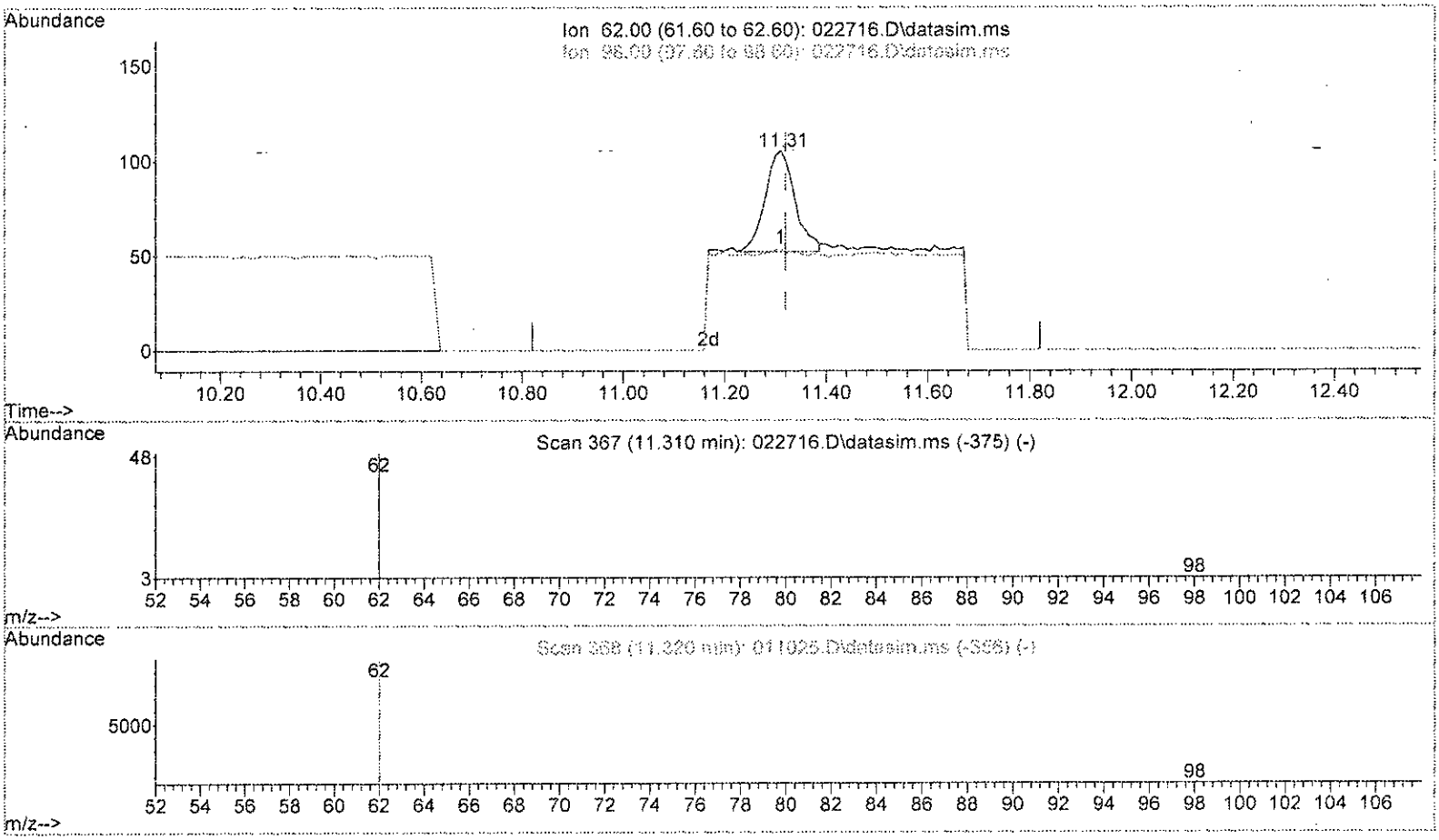
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	5.88
0.00	0.00	0.00
0.00	0.00	0.00

3/1/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022716.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.310min (-0.010) 0.015 ppbv m

response 215

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	50.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

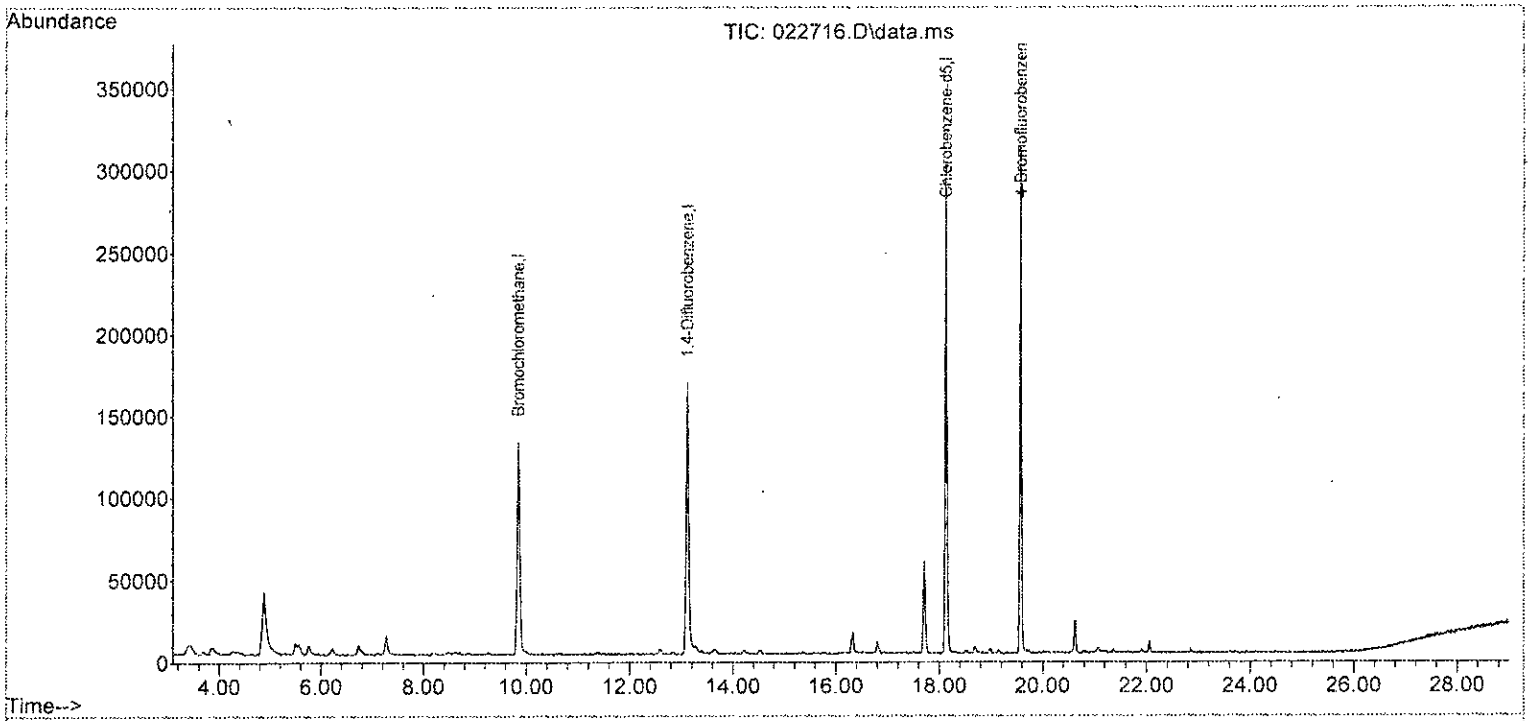
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.85	128	61093	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	239732	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	223506	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	130796	8.806	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.10%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.31	62	215m	0.015	ppbv	

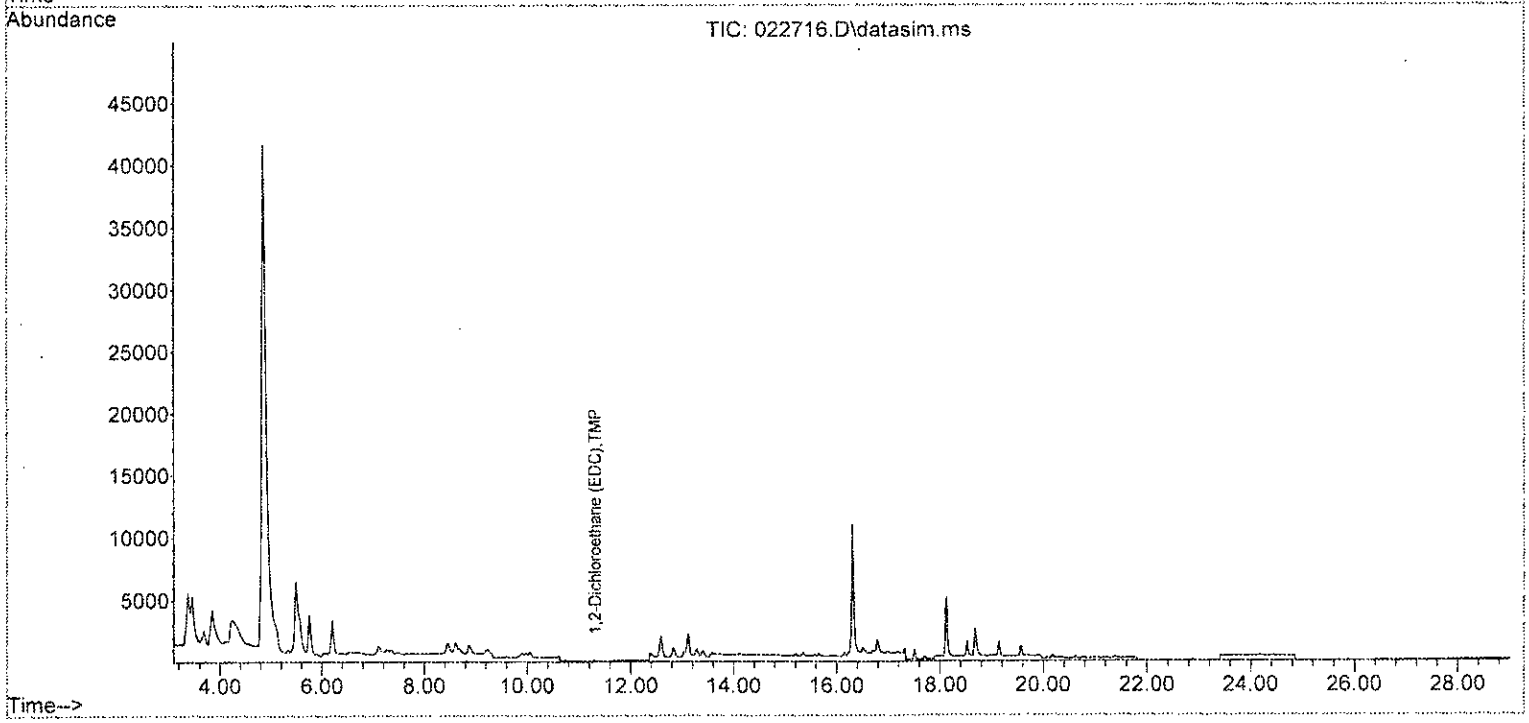
(#) = qualifier out of range (m) = manual integration (+) = signals summed

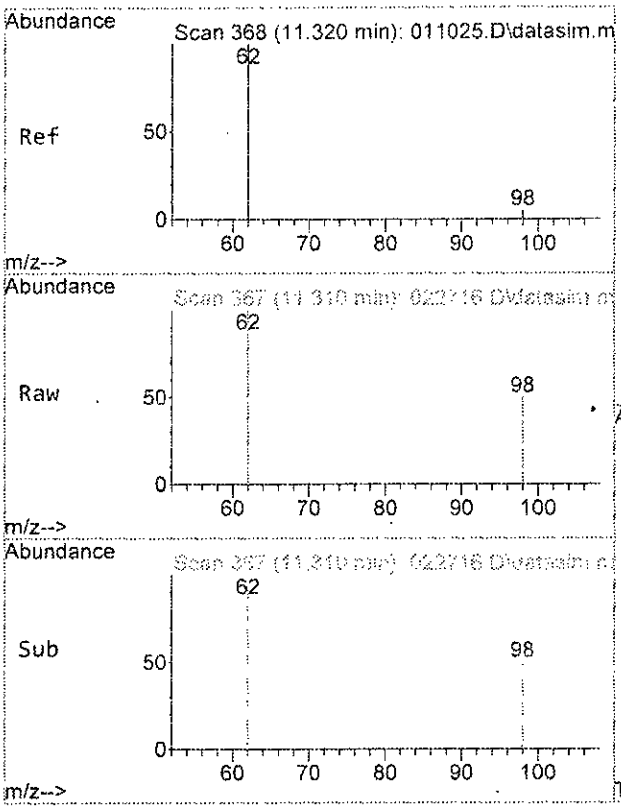
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



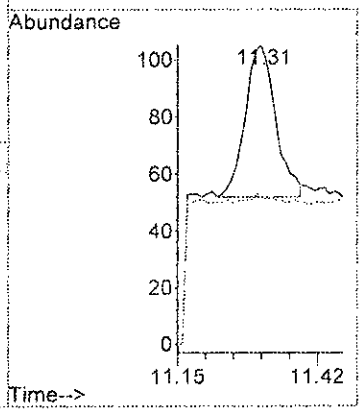




#34
1,2-Dichloroethane (EDC)
Concen: 0.015 ppbv m
RT: 11.31 min Scan# 367
Delta R.T. -0.010 min
Lab File: 022716.D
Acq: 27 Feb 2023 9:30 pm

Tgt Ion: 62 Resp: 215

Ion	Ratio	Lower	Upper
62	100		
98	50.5	0.0	35.3#



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.85	128	61093	10.000	ppbv	-0.02
39) 1,4-Difluorobenzene	13.12	114	239732	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	223506	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	130796	8.806	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.10%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.31	62	215m	0.015	ppbv	
35) 1,1,1-Trichloroethane	11.78	97	683	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

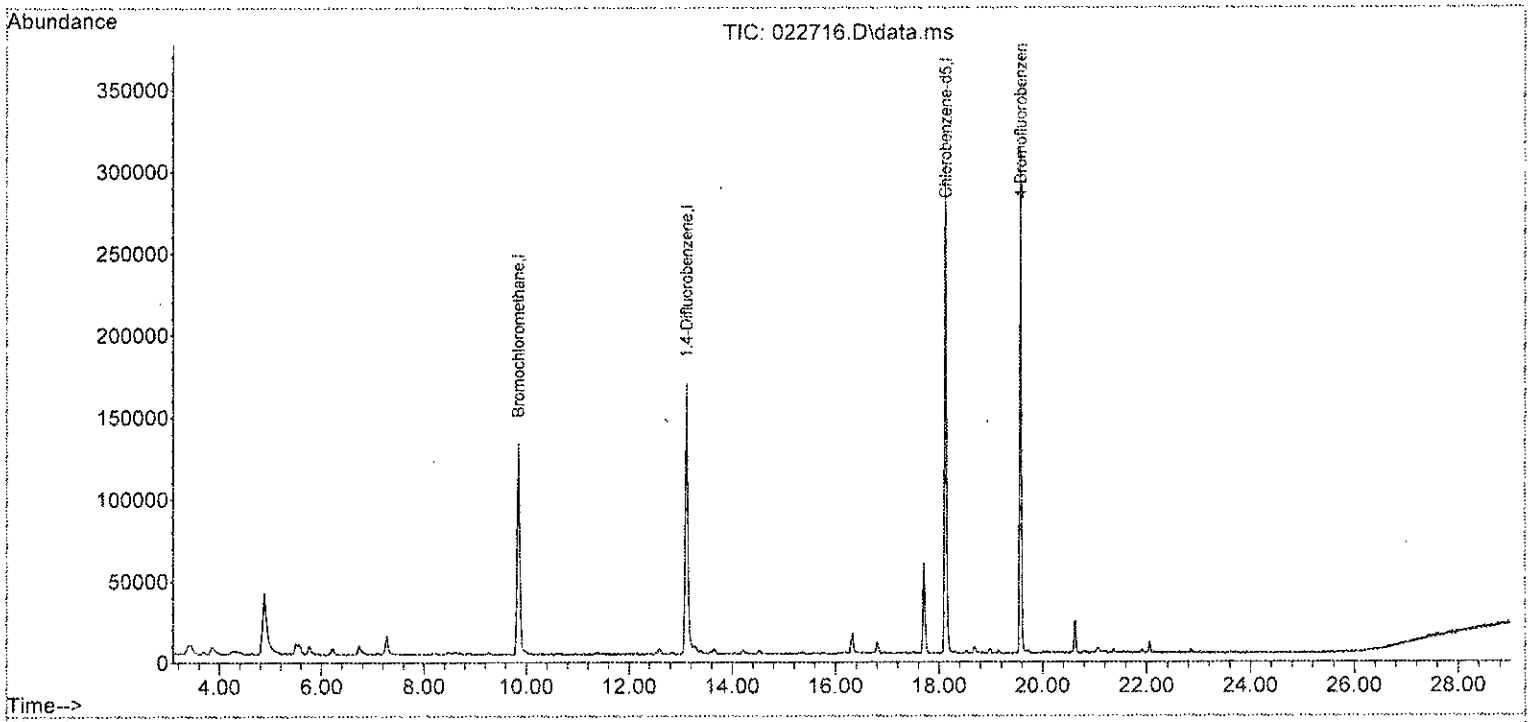
Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

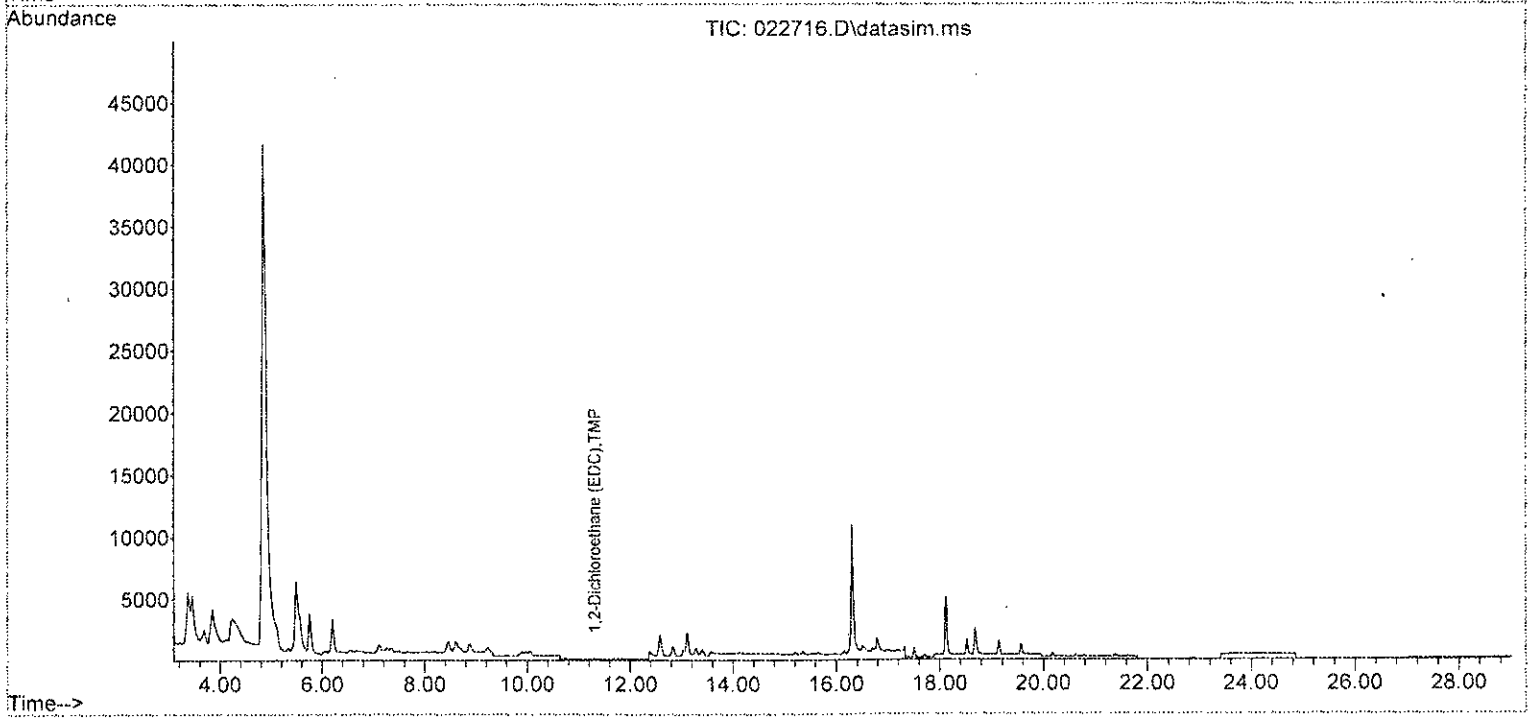
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	14.11	95	105	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	17.51	164	939	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022716.D
Acq On : 27 Feb 2023 9:30 pm
Operator : bat
Sample : 302321-01
Misc : T4
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:43 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

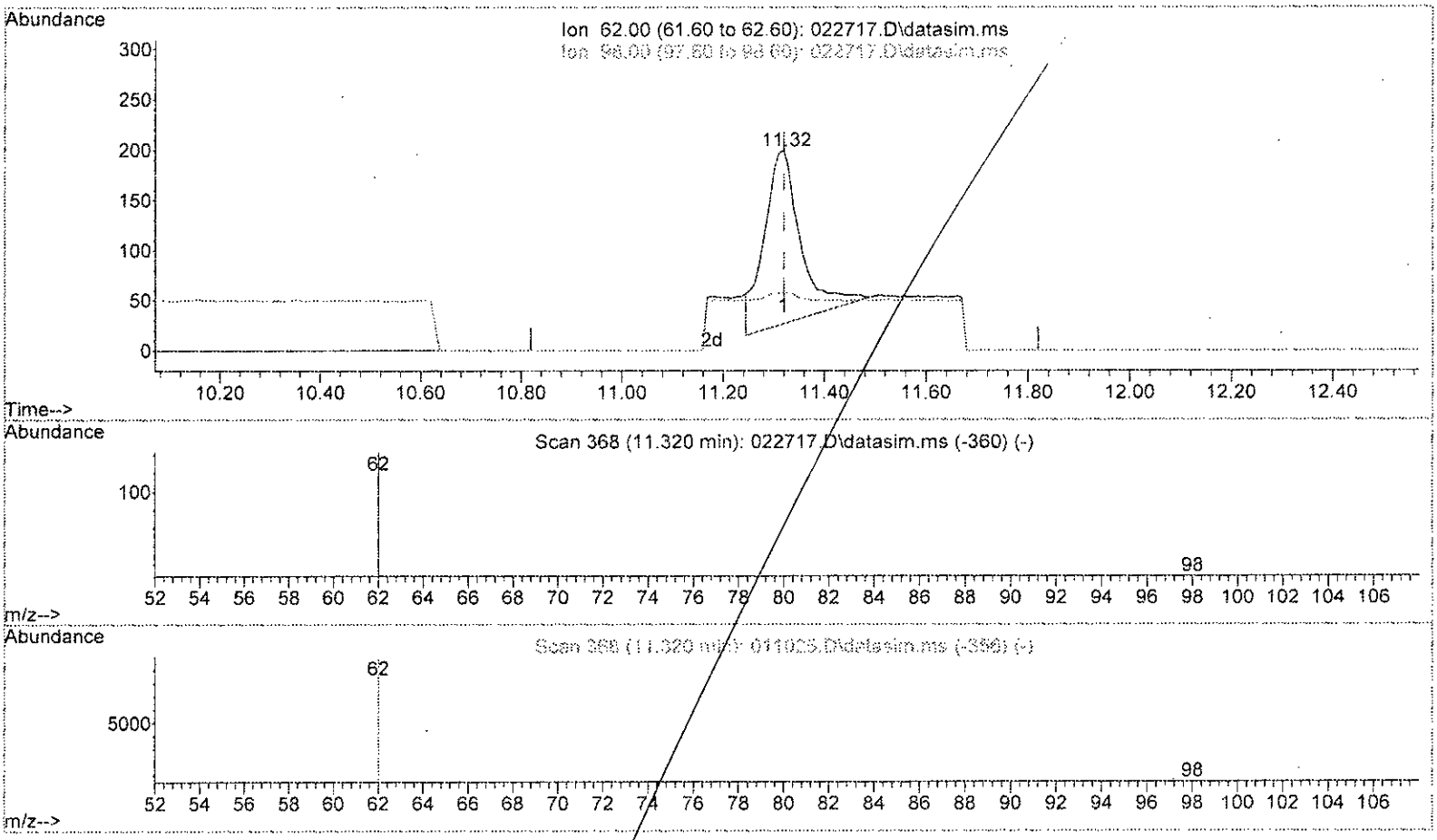




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022717.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 0.054 ppbv

response 872

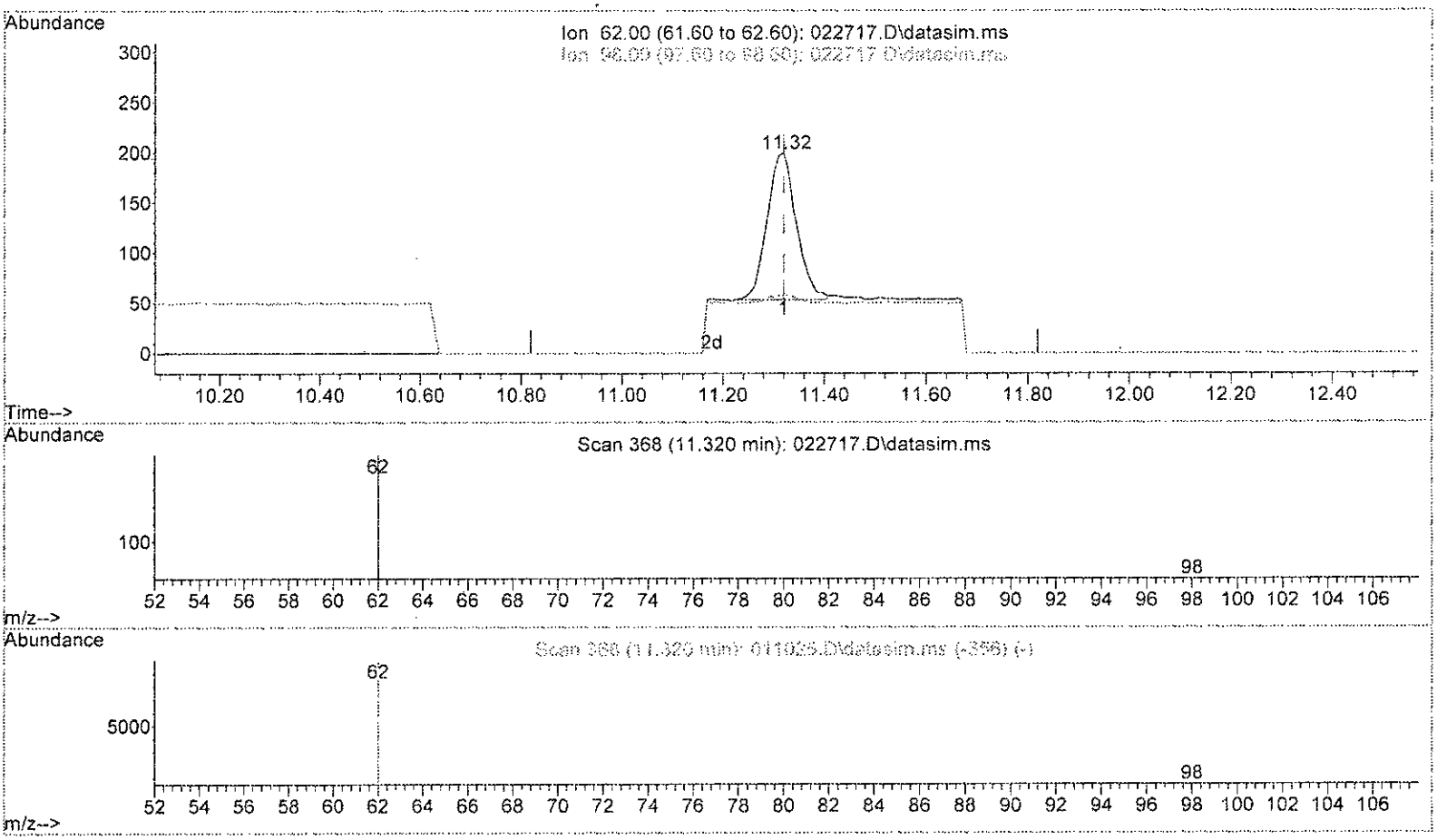
Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	4.79
0.00	0.00	0.00
0.00	0.00	0.00

3/6/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022717.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.320min (-0.000) 0.036 ppbv m

response 583

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	28.64
0.00	0.00	0.00
0.00	0.00	0.00

3/01/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

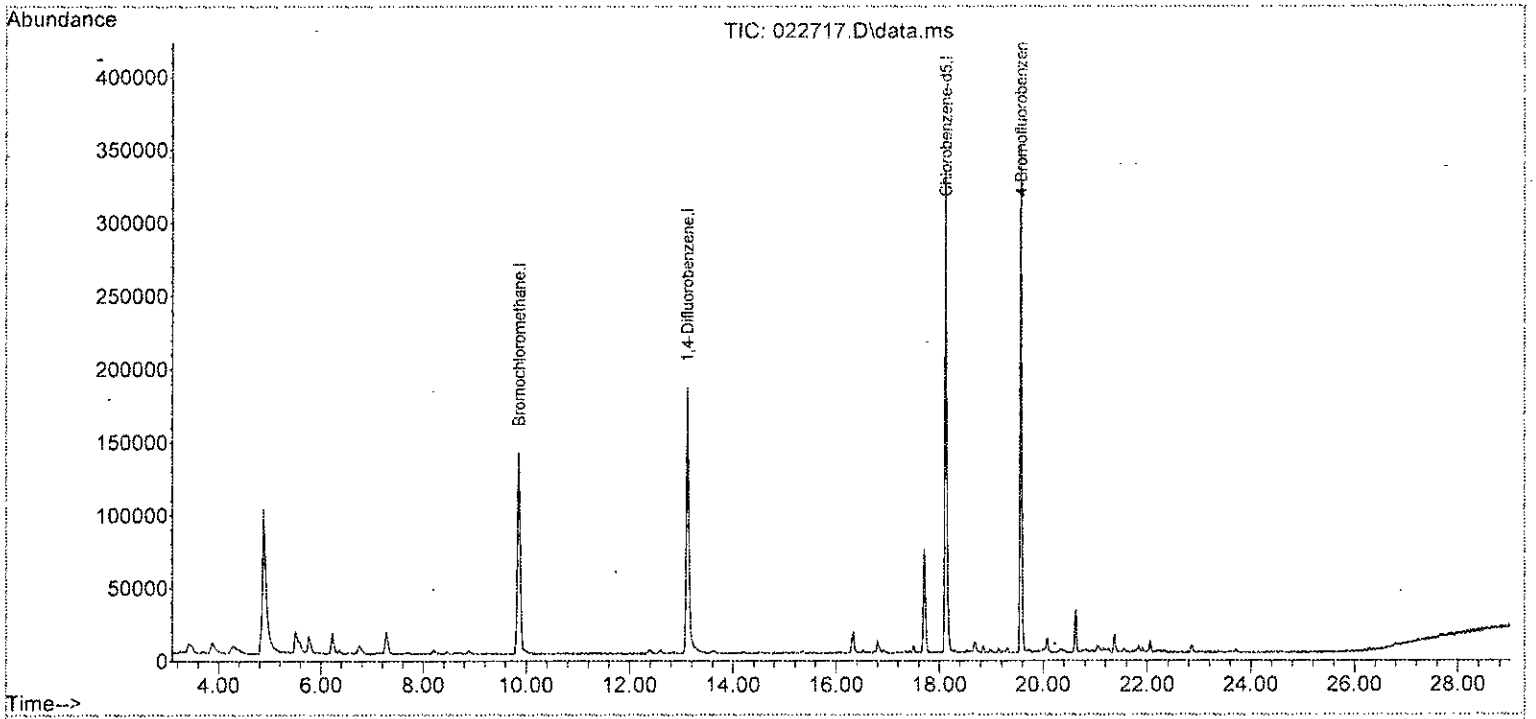
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	68676	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262702	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	250144	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	152824	9.194	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.90%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.32	62	583m	0.036	ppbv	
53] Tetrachloroethene	17.51	164	1363	0.110	ppbv	97

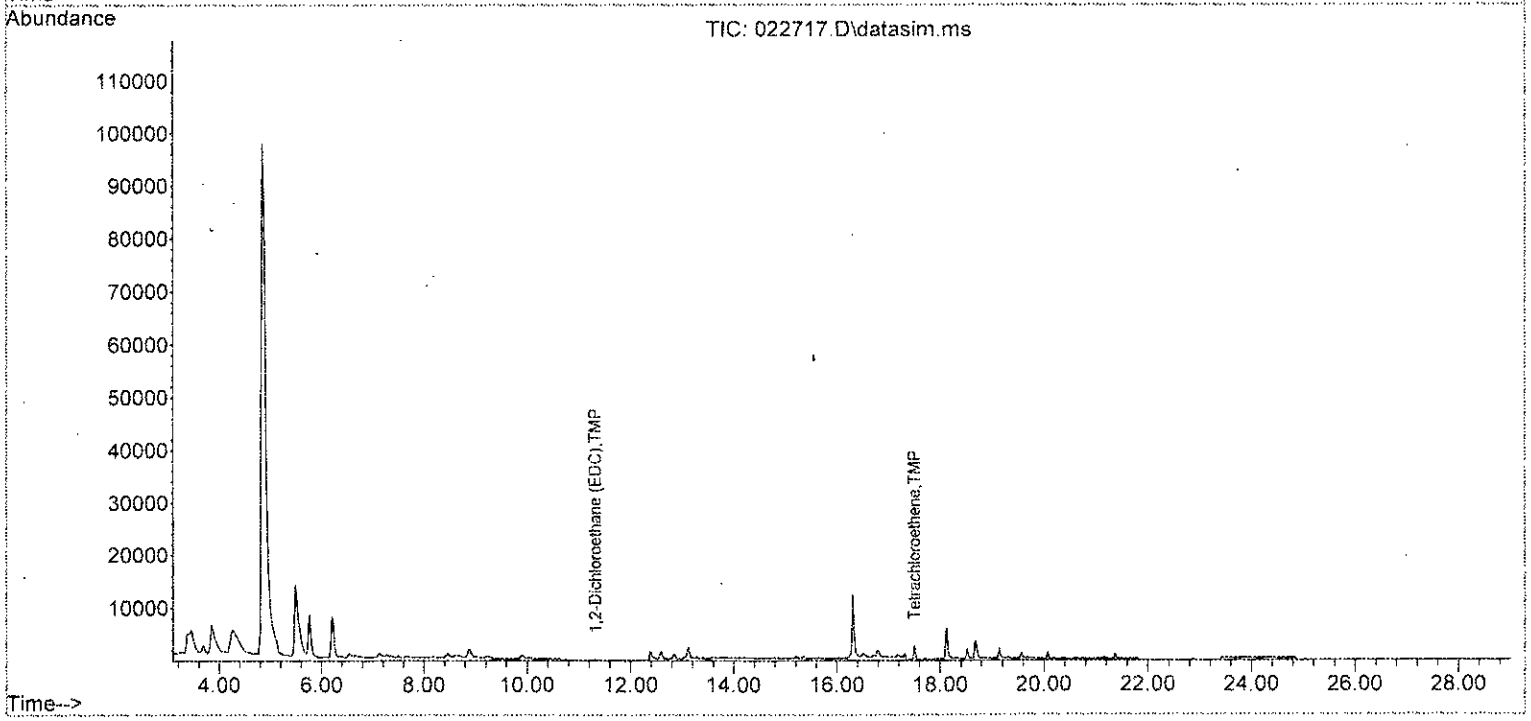
(#) = qualifier out of range (m) = manual integration (+) = signals summed

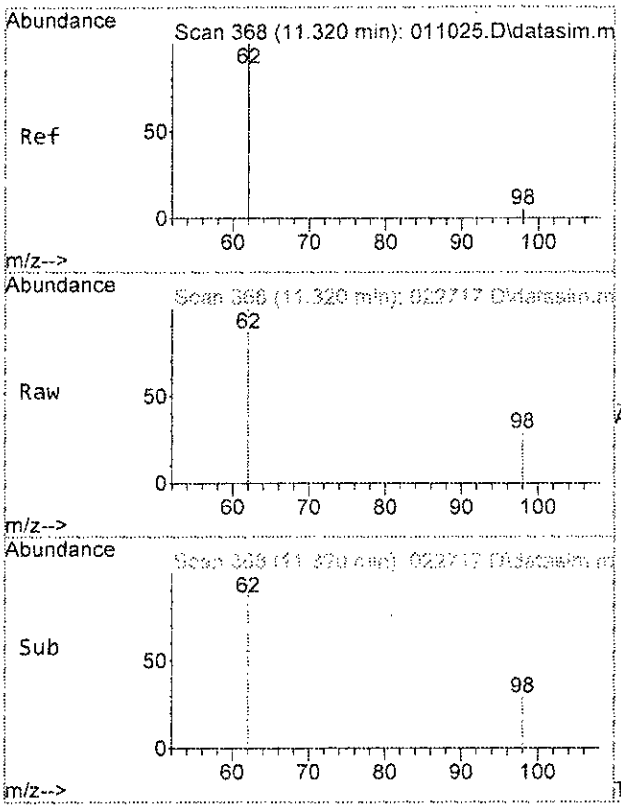
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



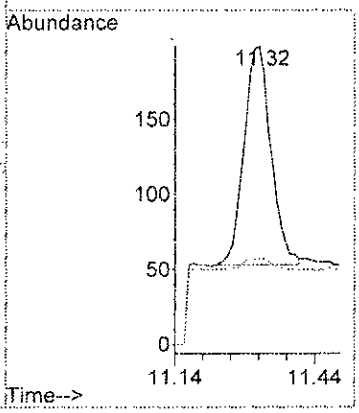


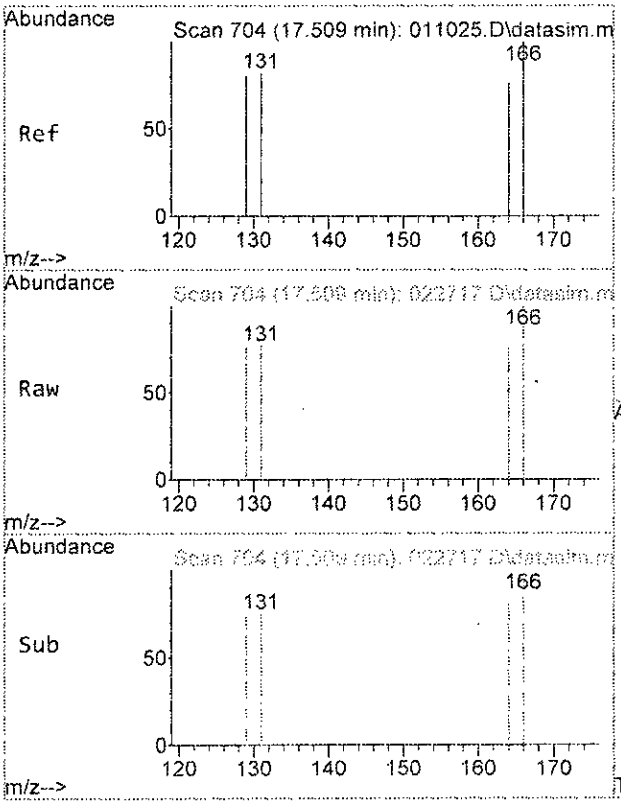


#34
1,2-Dichloroethane (EDC)
Concen: 0.036 ppbv m
RT: 11.32 min Scan# 368
Delta R.T. -0.000 min
Lab File: 022717.D
Acq: 27 Feb 2023 10:17 pm

Tgt Ion: 62 Resp: 583

Ion	Ratio	Lower	Upper
62	100		
98	28.6	0.0	35.3

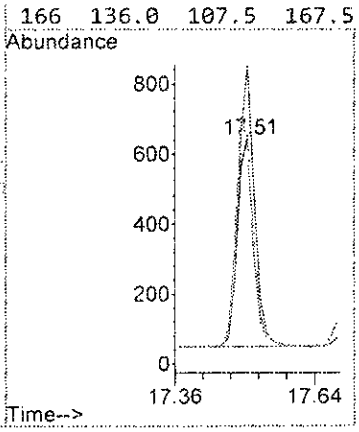




#53
Tetrachloroethene
Concen: 0.110 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022717.D
Acq: 27 Feb 2023 10:17 pm

Tgt Ion:164 Resp: 1363

Ion	Ratio	Lower	Upper
164	100		
129	99.3	63.2	123.2
131	102.9	70.7	130.7
166	136.0	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	68676	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262702	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	250144	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	152824	9.194	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.90%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.	d	
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.	d	
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34] 1,2-Dichloroethane (EDC)	11.32	62	583m	0.036	ppbv	
35) 1,1,1-Trichloroethane	11.79	97	692	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : T5
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

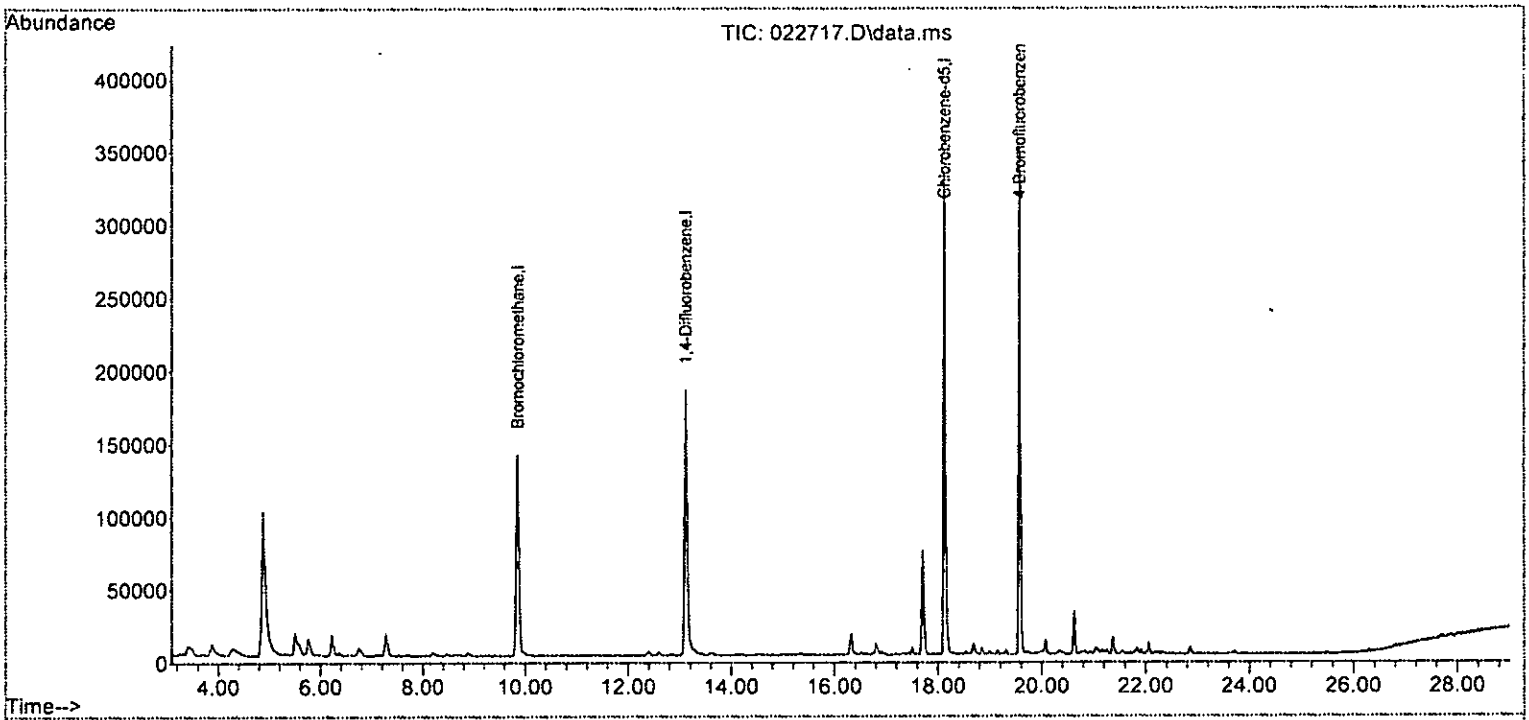
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.51	164	1363	0.110	ppbv	97
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

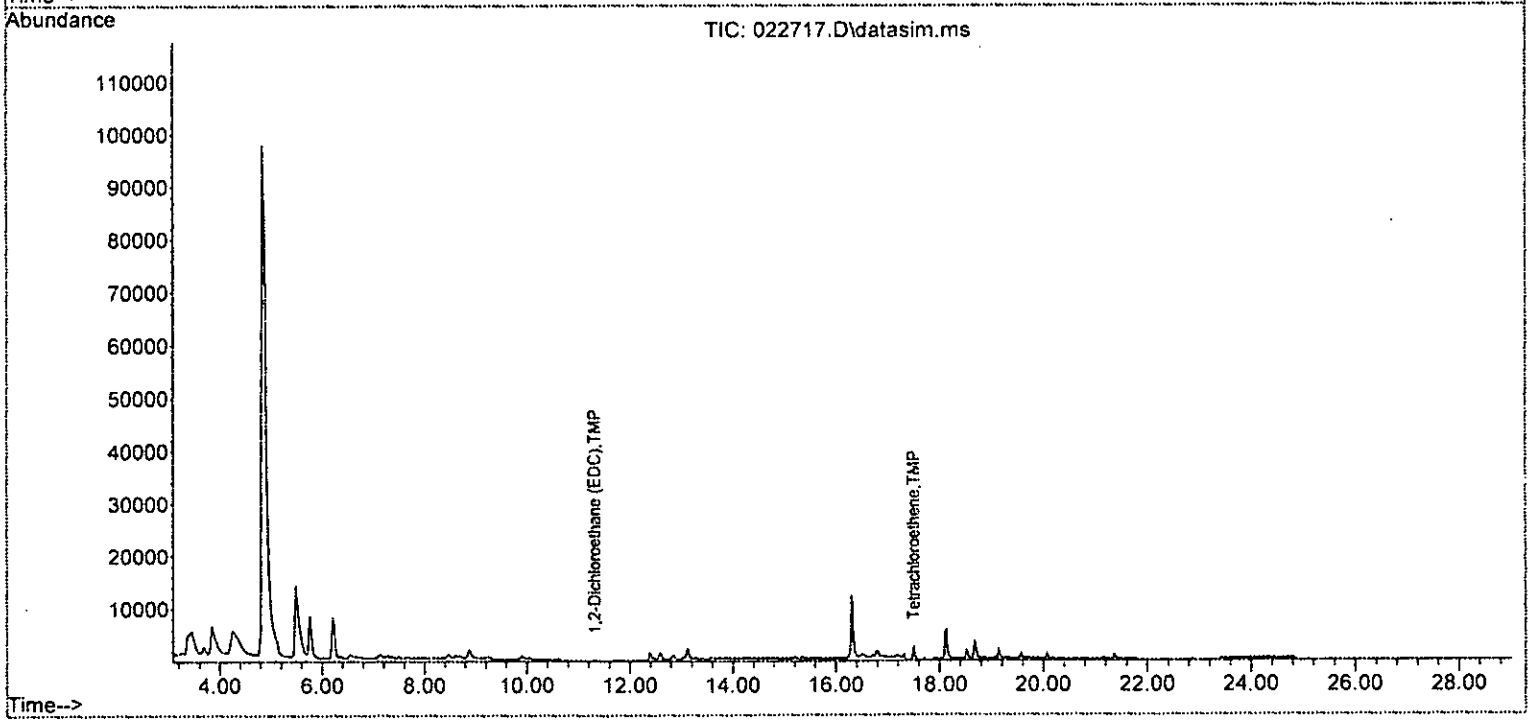
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022717.D
Acq On : 27 Feb 2023 10:17 pm
Operator : bat
Sample : 302321-02
Misc : TS
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:45 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022718.D
Acq On : 27 Feb 2023 11:06 pm
Operator : bat
Sample : 302321-03
Misc : T6
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

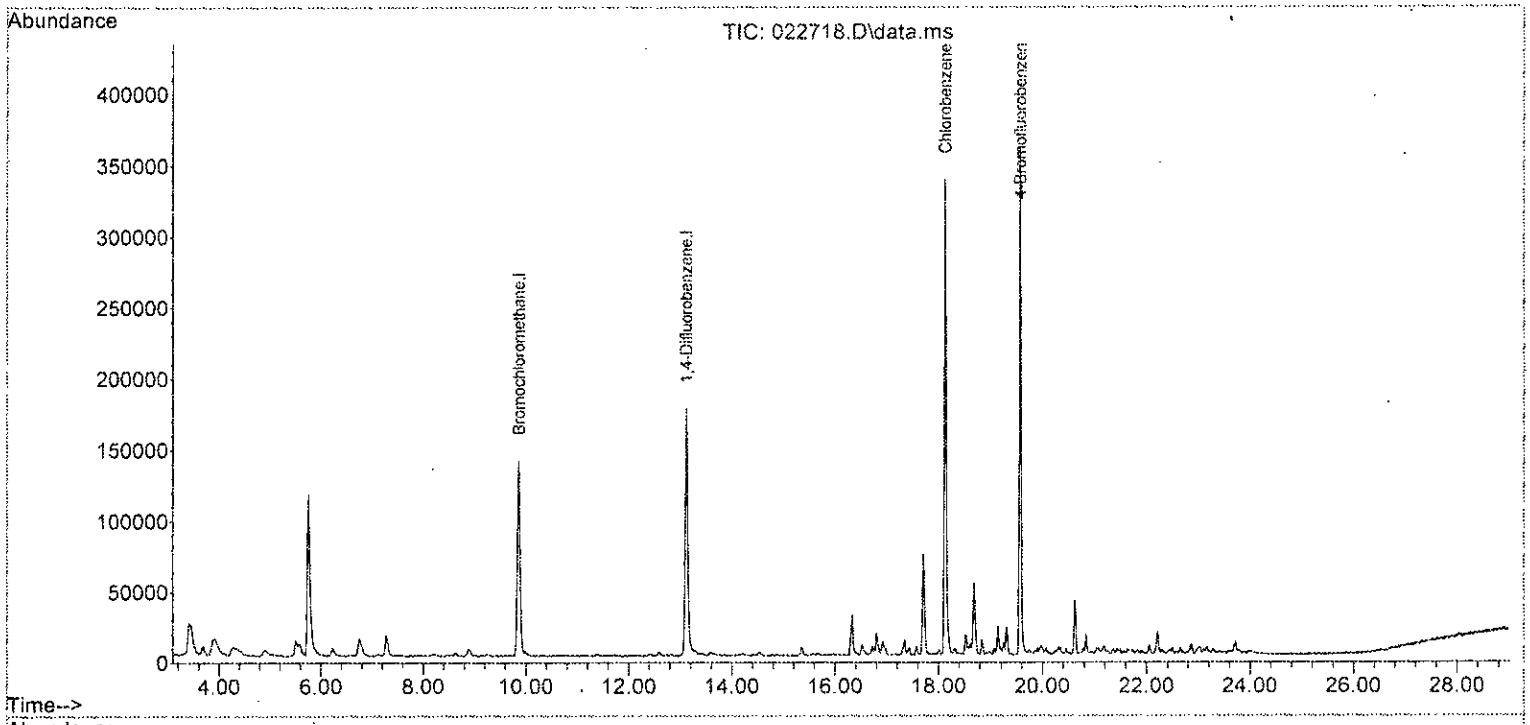
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66929	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	256560	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	251199	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	153368	9.188	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.90%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.31	62	235	0.015	ppbv	95

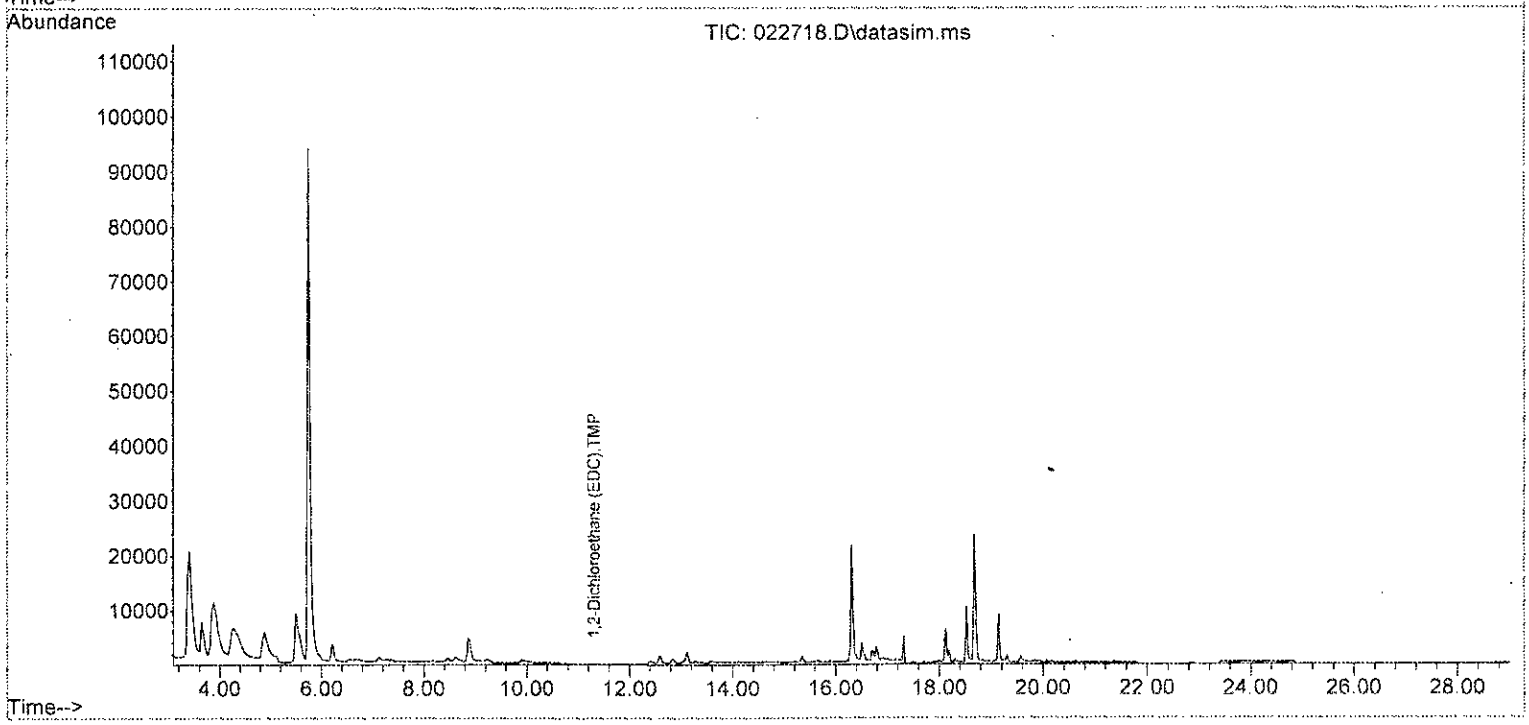
(#) = qualifier out of range (m) = manual integration (+) = signals summed

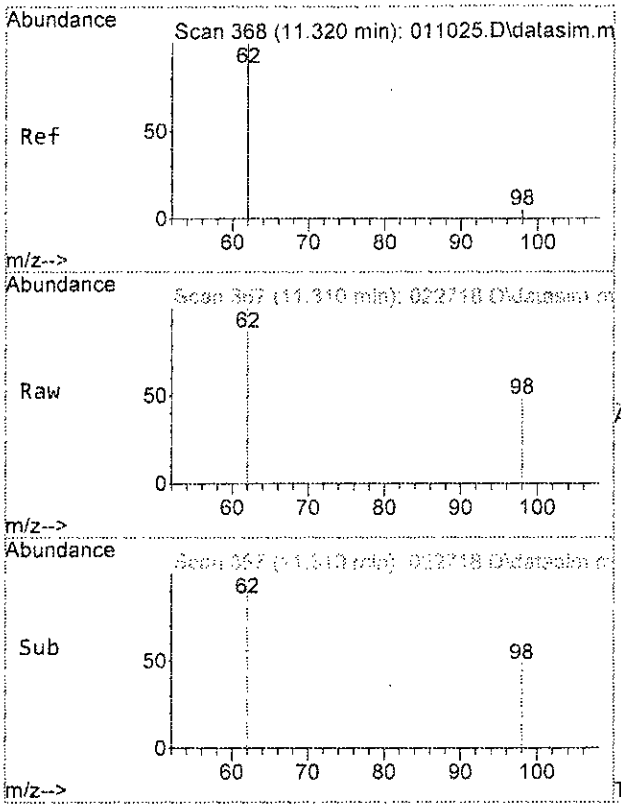
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022718.D
Acq On : 27 Feb 2023 11:06 pm
Operator : bat
Sample : 302321-03
Misc : T6
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



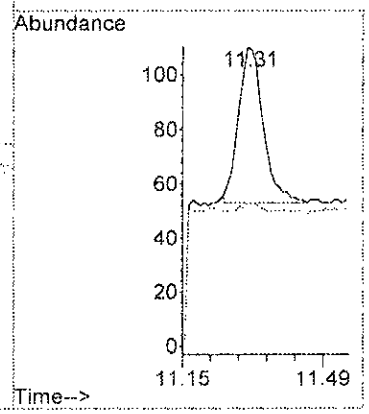




#34
1,2-Dichloroethane (EDC)
Concen: 0.015 ppbv
RT: 11.31 min Scan# 367
Delta R.T. -0.010 min
Lab File: 022718.D
Acq: 27 Feb 2023 11:06 pm

Tgt Ion: 62 Resp: 235

Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	35.3



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022718.D
Acq On : 27 Feb 2023 11:06 pm
Operator : bat
Sample : 302321-03
Misc : T6
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66929	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	256560	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	251199	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	153368	9.188	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.90%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D. d		
3) Dichlorodifluoromethane	0.00		0	N.D. d		
4) Chloromethane	0.00		0	N.D. d		
5) F-114	0.00		0	N.D. d		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D. d		
8) Butane	0.00		0	N.D. d		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D. d		
12) Ethanol	0.00		0	N.D. d		
13) Acrolein	0.00		0	N.D. d		
14) Pentane	0.00		0	N.D. d		
15) Trichlorofluoromethane	0.00		0	N.D. d		
16) Acetone	0.00		0	N.D. d		
17) 2-Propanol	0.00		0	N.D. d		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D. d		
21) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
22) 3-Chloropropene	0.00		0	N.D. d		
23) CFC-113	0.00		0	N.D. d		
24) Carbon disulfide	0.00		0	N.D. d		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D. d		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D. d		
30) Chloroform	0.00		0	N.D. d		
31) Ethyl acetate	0.00		0	N.D. d		
32) Tetrahydrofuran	0.00		0	N.D. d		
33) 2-Butanone (MEK)	0.00		0	N.D. d		
34] 1,2-Dichloroethane (EDC)	11.31	62	235	0.015	ppbv	95
35) 1,1,1-Trichloroethane	11.80	97	821	N.D.		
36) Carbon tetrachloride	0.00		0	N.D. d		
37) Benzene	0.00		0	N.D. d		
38) Cyclohexane	0.00		0	N.D. d		
40) 1,2-Dichloropropane	0.00		0	N.D. d		

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022718.D
Acq On : 27 Feb 2023 11:06 pm
Operator : bat
Sample : 302321-03
Misc : T6
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

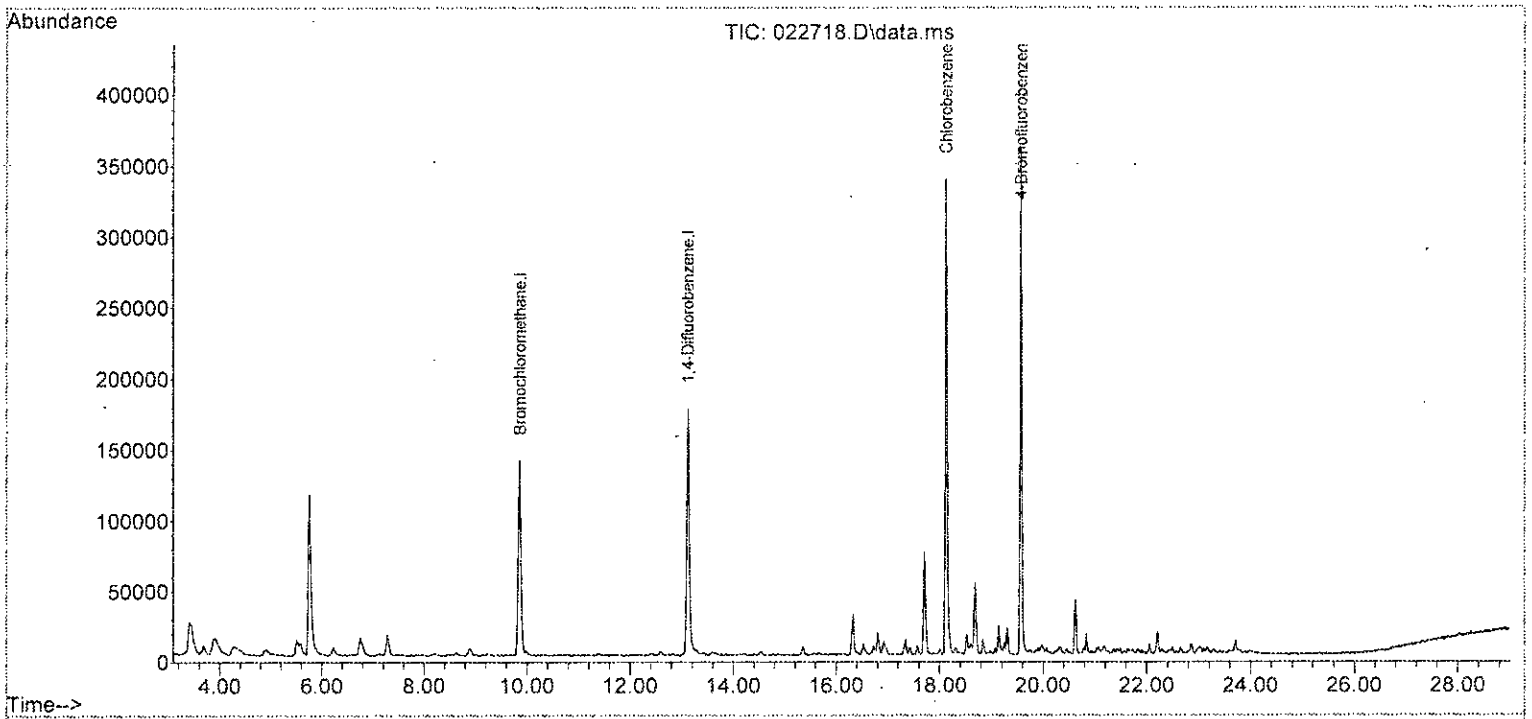
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53) Tetrachloroethene	17.51	164	427	N.D.		
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.	d	
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

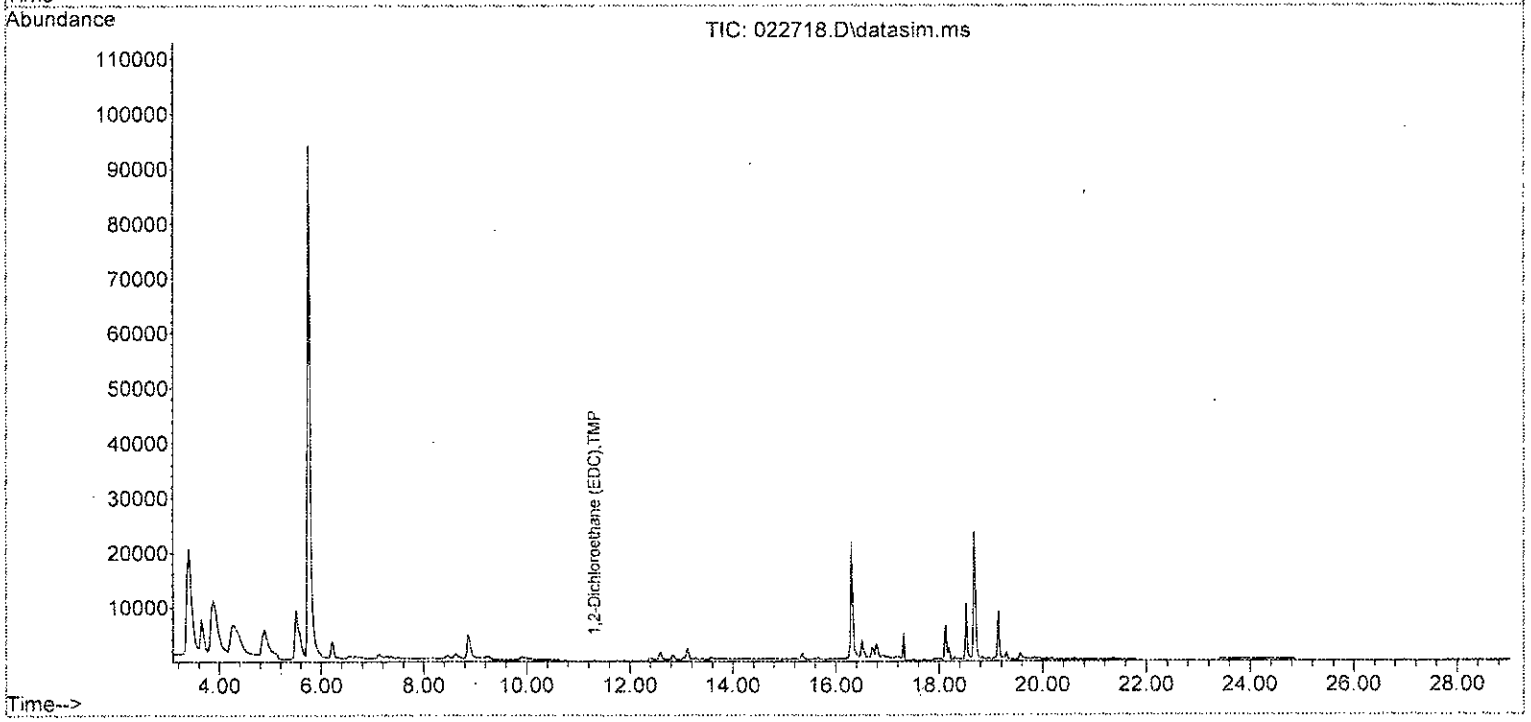
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022718.D
Acq On : 27 Feb 2023 11:06 pm
Operator : bat
Sample : 302321-03
Misc : T6
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:47 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022719.D
Acq On : 27 Feb 2023 11:53 pm
Operator : bat
Sample : 302321-04
Misc : T7
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:49 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

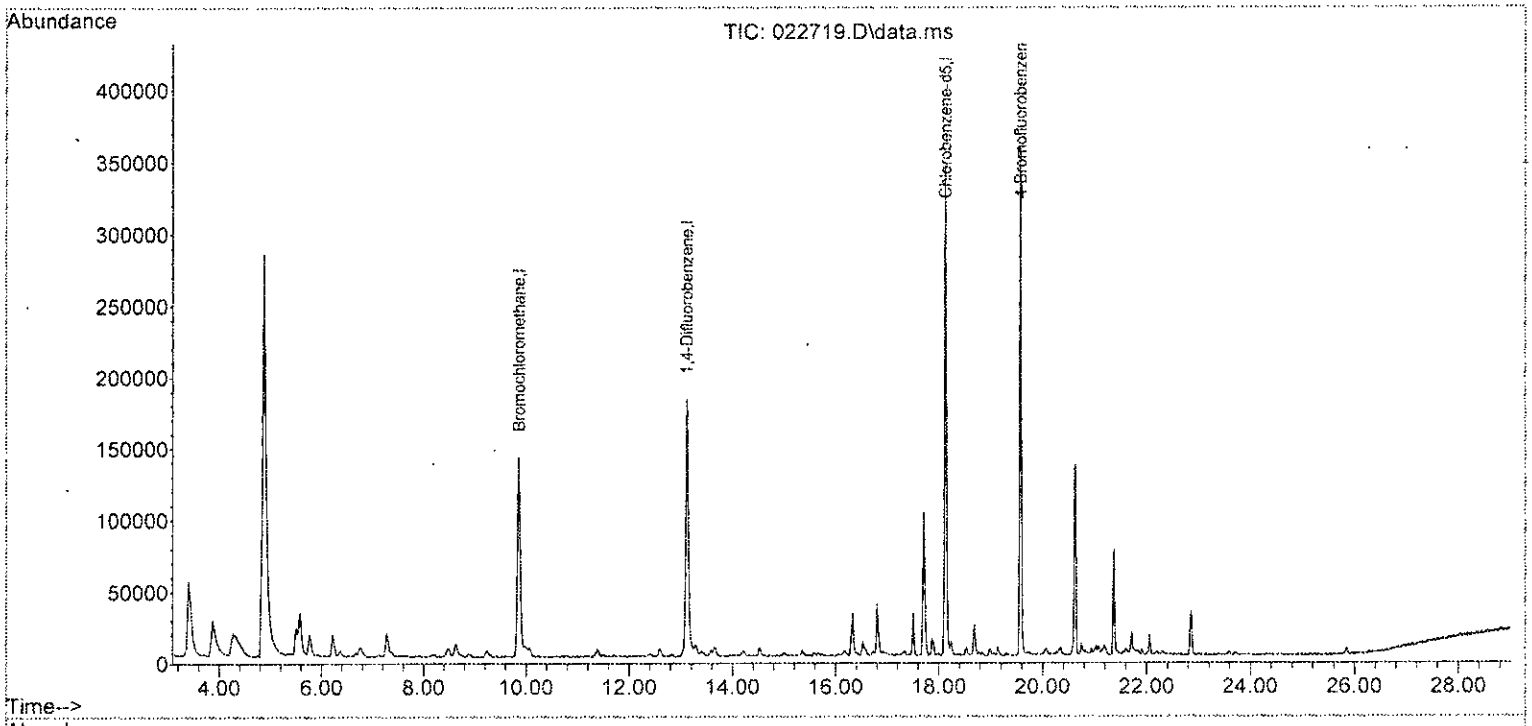
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66160	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262332	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	252329	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	155391	9.267	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.70%			
Target Compounds						Qvalue
34] 1,2-Dichloroethane (EDC)	11.31	62	260	0.017	ppbv	94
53] Tetrachloroethene	17.51	164	7742	0.624	ppbv	95

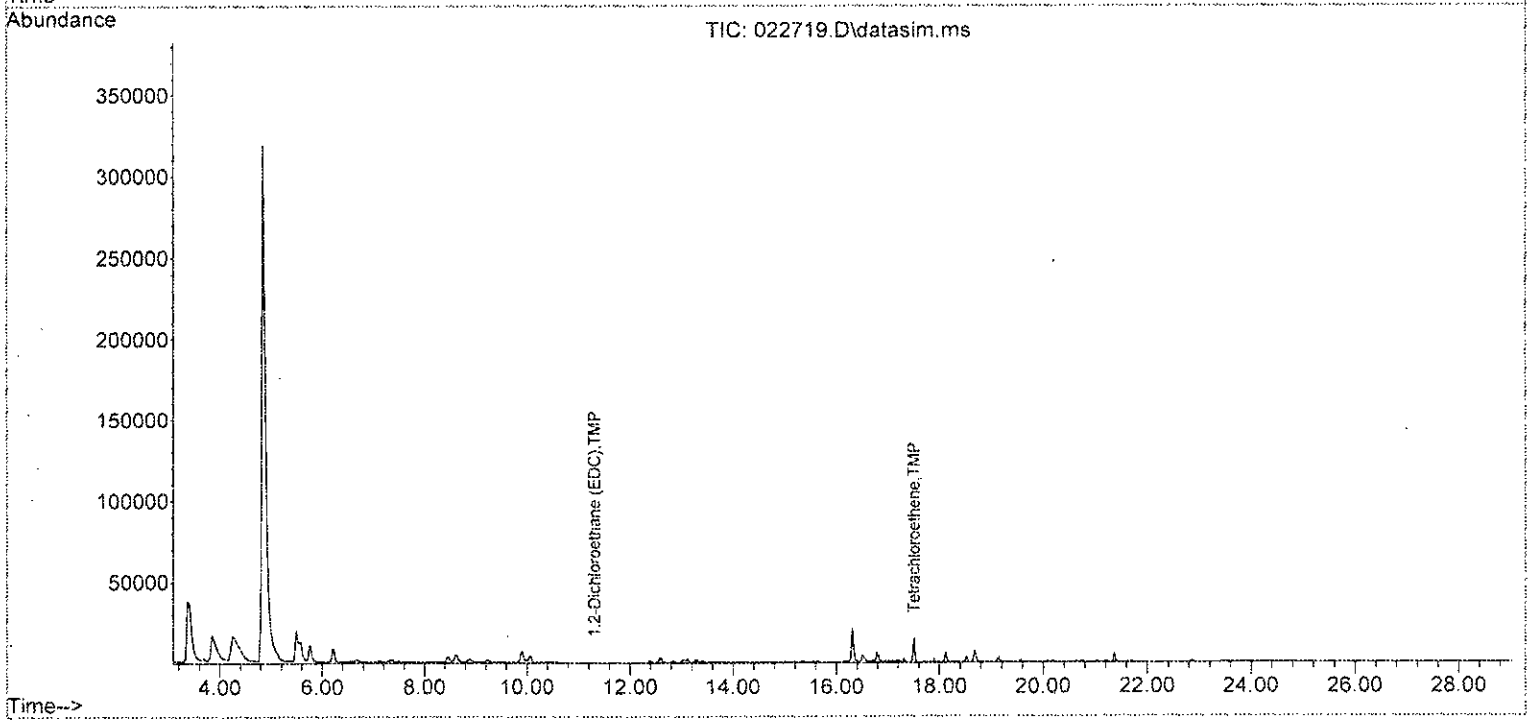
(#) = qualifier out of range (m) = manual integration (+) = signals summed

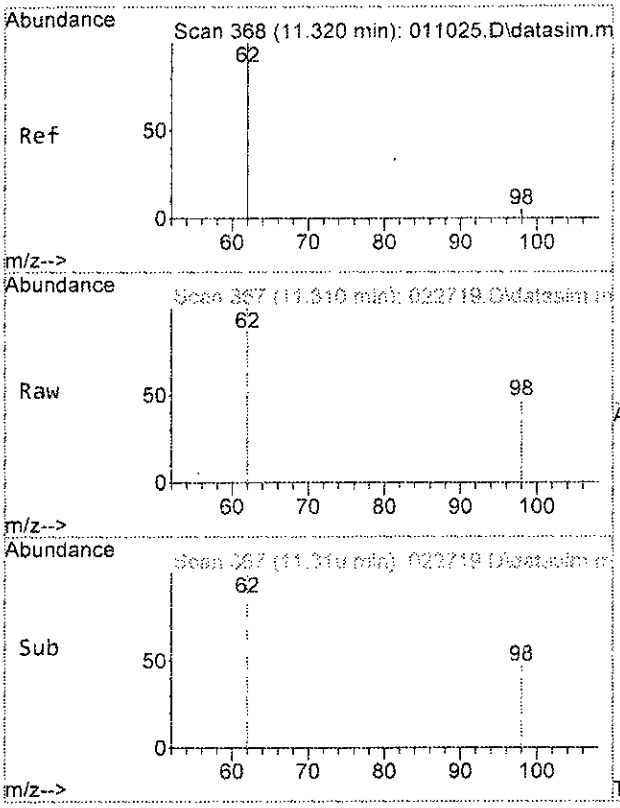
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022719.D
Acq On : 27 Feb 2023 11:53 pm
Operator : bat
Sample : 302321-04
Misc : T7
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:49 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



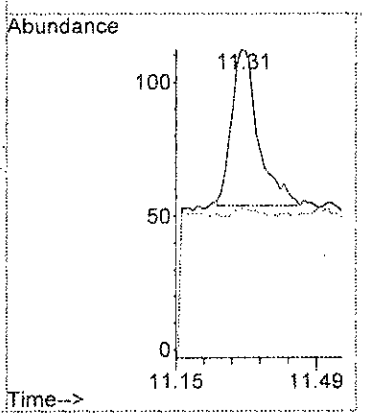


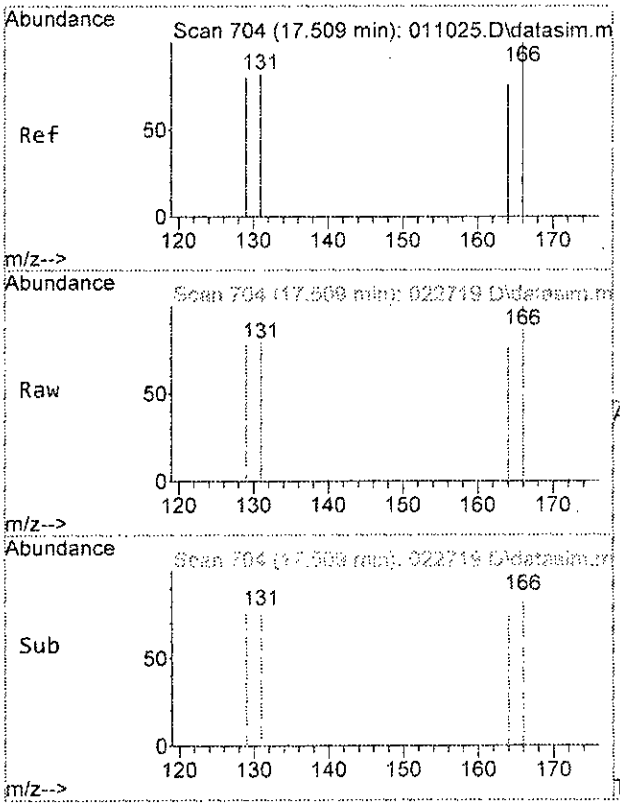


#34
1,2-Dichloroethane (EDC)
Concen: 0.017 ppbv
RT: 11.31 min Scan# 367
Delta R.T. -0.010 min
Lab File: 022719.D
Acq: 27 Feb 2023 11:53 pm

Tgt Ion: 62 Resp: 260

Ion	Ratio	Lower	Upper
62	100		
98	3.4	0.0	35.3

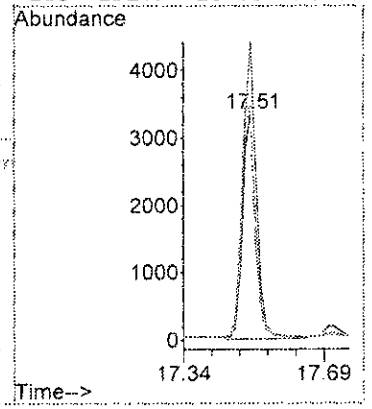




#53
Tetrachloroethene
Concen: 0.624 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022719.D
Acq: 27 Feb 2023 11:53 pm

Tgt Ion:164 Resp: 7742

Ion	Ratio	Lower	Upper
164	100		
129	100.8	63.2	123.2
131	103.5	70.7	130.7
166	131.9	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022719.D
Acq On : 27 Feb 2023 11:53 pm
Operator : bat
Sample : 302321-04
Misc : T7
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:49 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66160	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	262332	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	252329	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	155391	9.267	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.70%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D. d		
3) Dichlorodifluoromethane	0.00		0	N.D. d		
4) Chloromethane	0.00		0	N.D. d		
5) F-114	0.00		0	N.D. d		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D. d		
8) Butane	0.00		0	N.D. d		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D. d		
12) Ethanol	0.00		0	N.D. d		
13) Acrolein	0.00		0	N.D. d		
14) Pentane	0.00		0	N.D. d		
15) Trichlorofluoromethane	0.00		0	N.D. d		
16) Acetone	0.00		0	N.D. d		
17) 2-Propanol	0.00		0	N.D. d		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D. d		
21) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
22) 3-Chloropropene	0.00		0	N.D. d		
23) CFC-113	0.00		0	N.D. d		
24) Carbon disulfide	0.00		0	N.D. d		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D. d		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D. d		
30) Chloroform	0.00		0	N.D. d		
31) Ethyl acetate	0.00		0	N.D. d		
32) Tetrahydrofuran	0.00		0	N.D. d		
33) 2-Butanone (MEK)	0.00		0	N.D. d		
34] 1,2-Dichloroethane (EDC)	11.31	62	260	0.017	ppbv	94
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D. d		
37) Benzene	0.00		0	N.D. d		
38) Cyclohexane	0.00		0	N.D. d		
40) 1,2-Dichloropropane	0.00		0	N.D. d		

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022719.D
Acq On : 27 Feb 2023 11:53 pm
Operator : bat
Sample : 302321-04
Misc : T7
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

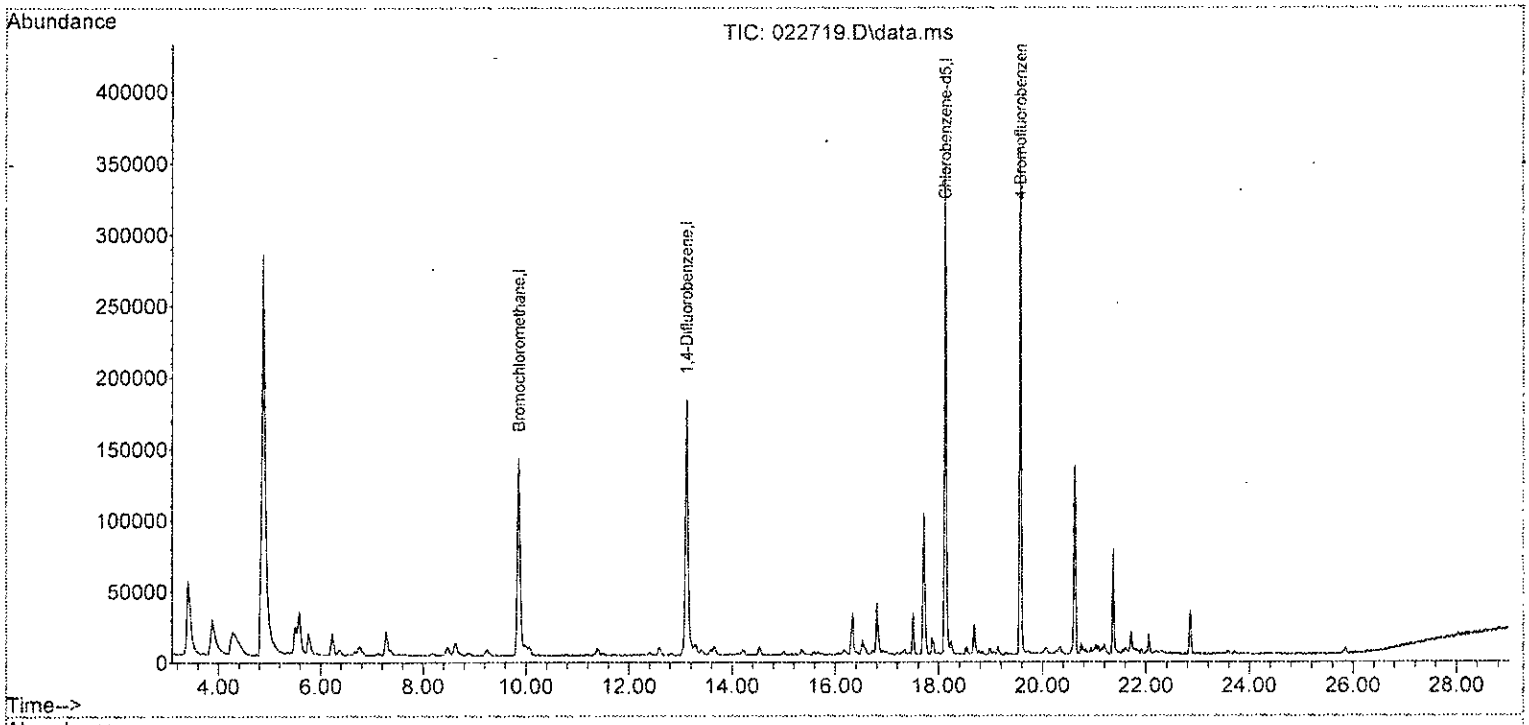
Quant Time: Mar 01 19:34:49 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

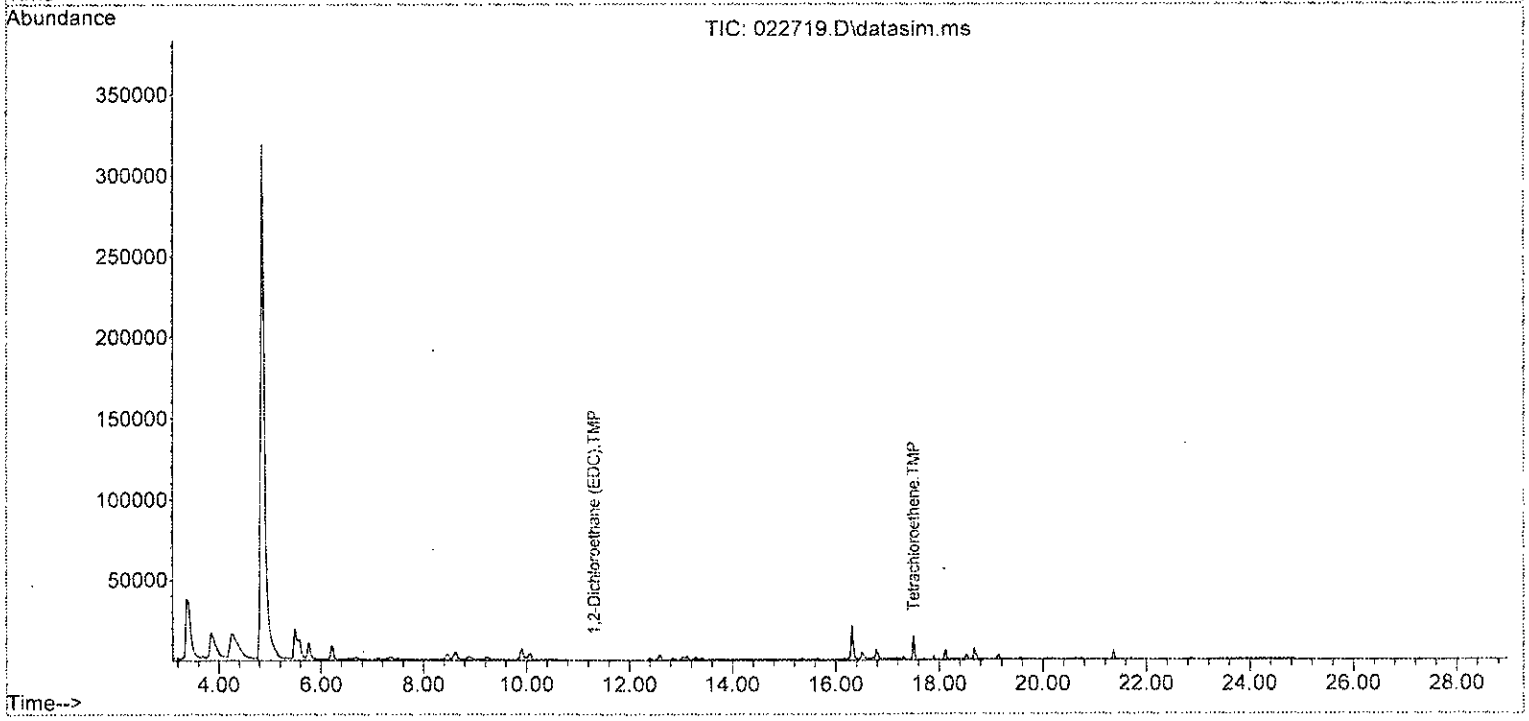
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46) Trichloroethene	14.11	95	148	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.51	164	7742	0.624	ppbv	95
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022719.D
Acq On : 27 Feb 2023 11:53 pm
Operator : bat
Sample : 302321-04
Misc : T7
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:49 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022720.D
Acq On : 28 Feb 2023 12:40 am
Operator : bat
Sample : 302321-05
Misc : T8
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

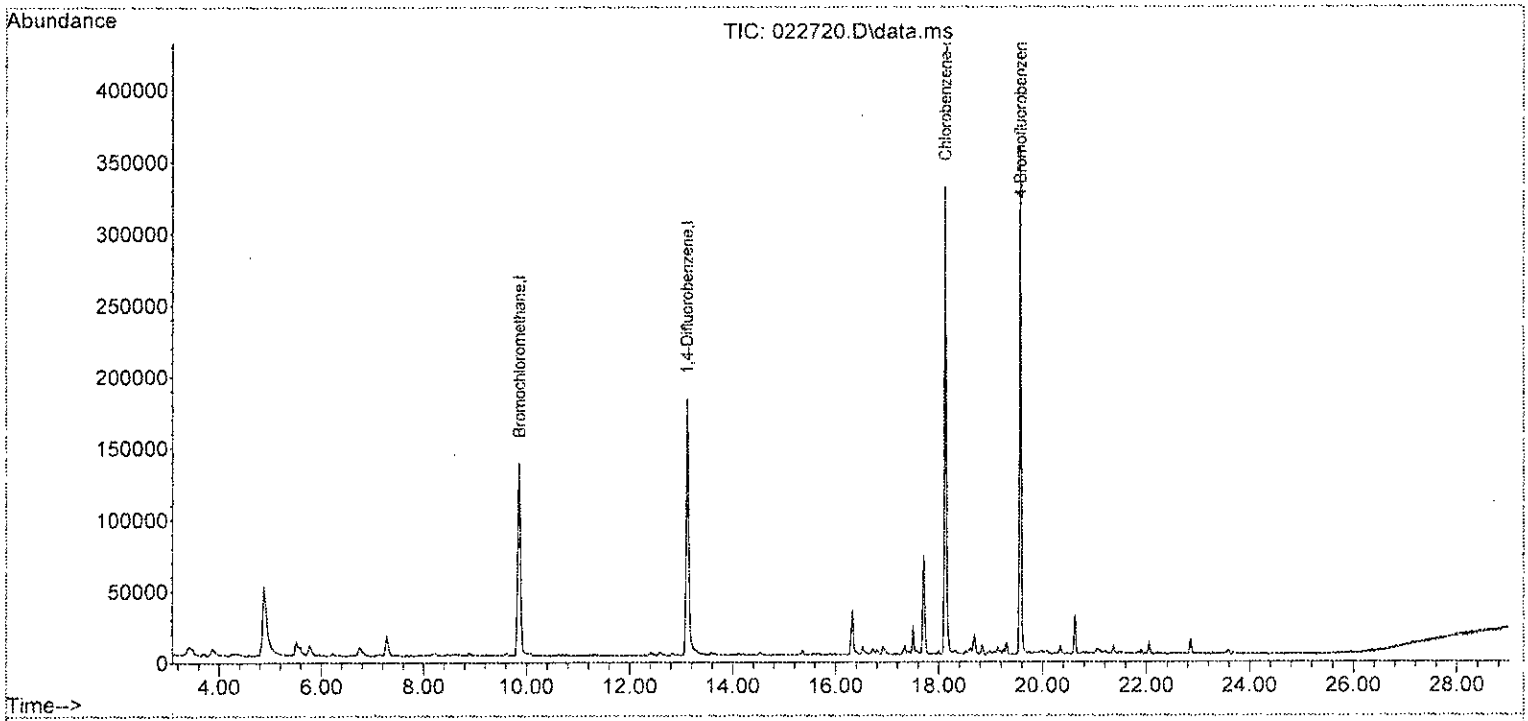
Quant Time: Mar 01 19:34:51 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

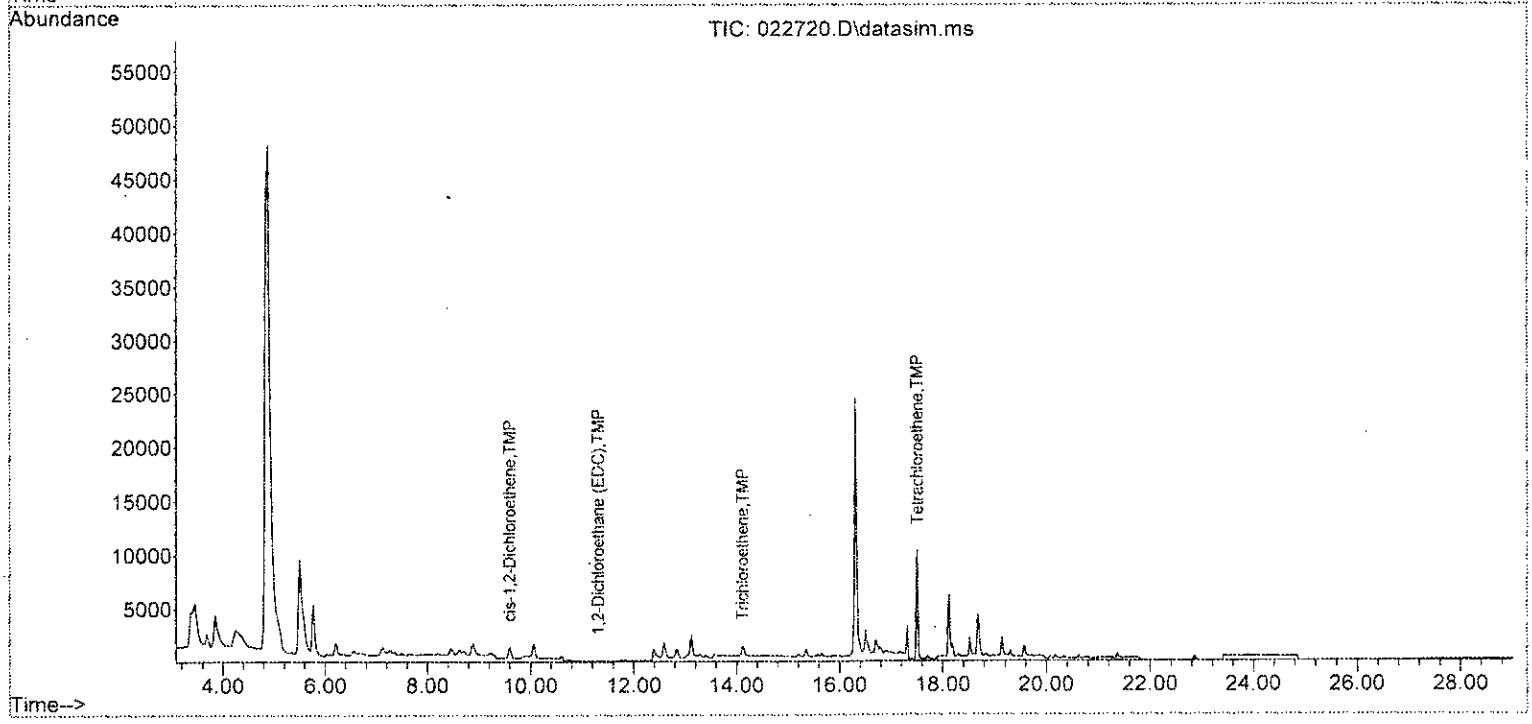
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67002	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	260818	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	246857	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	150192	9.156	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.60%			
Target Compounds						Qvalue
28] cis-1,2-Dichloroethene	9.60	96	1267	0.116	ppbv	95
34] 1,2-Dichloroethane (EDC)	11.31	62	234	0.015	ppbv	86
46] Trichloroethene	14.11	95	1034	0.068	ppbv	82
53] Tetrachloroethene	17.51	164	5619	0.455	ppbv	95

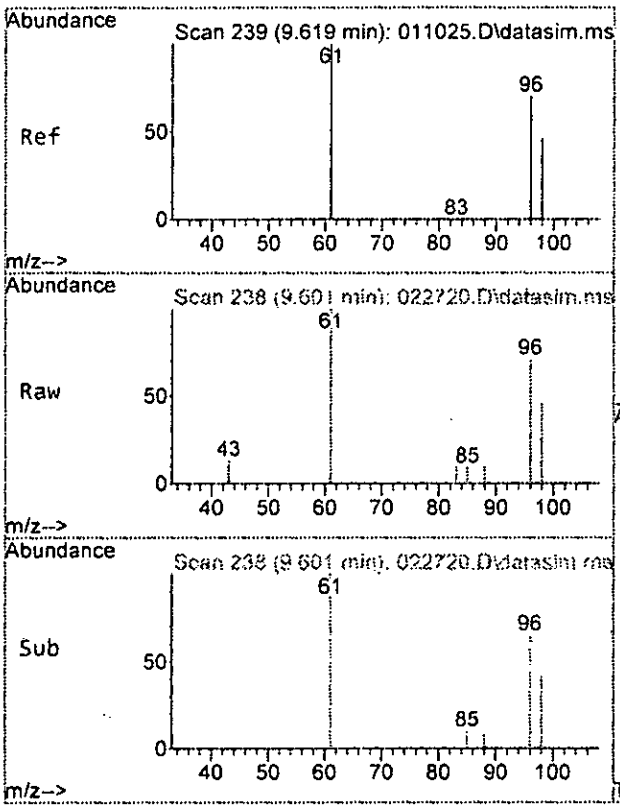
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022720.D
Acq On : 28 Feb 2023 12:40 am
Operator : bat
Sample : 302321-05
Misc : T8
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:51 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



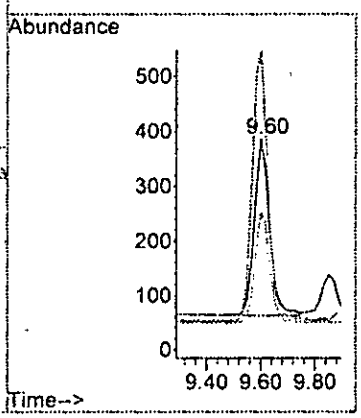


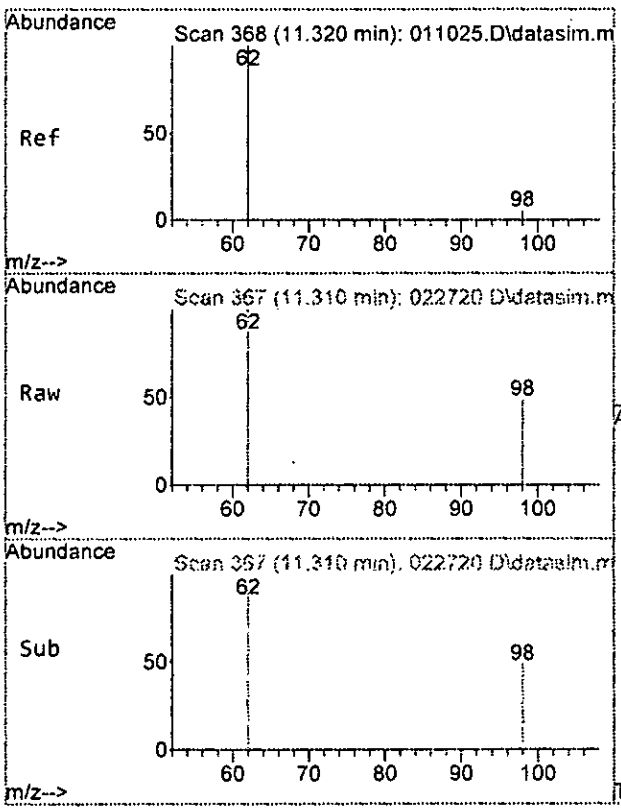


#28
cis-1,2-Dichloroethene
Concen: 0.116 ppbv
RT: 9.60 min Scan# 238
Delta R.T. 0.000 min
Lab File: 022720.D
Acq: 28 Feb 2023 12:40 am

Tgt Ion: 96 Resp: 1267

Ion	Ratio	Lower	Upper
96	100		
61	152.5	116.0	176.0
98	62.3	35.2	95.2

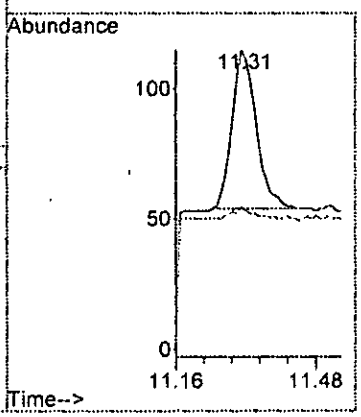


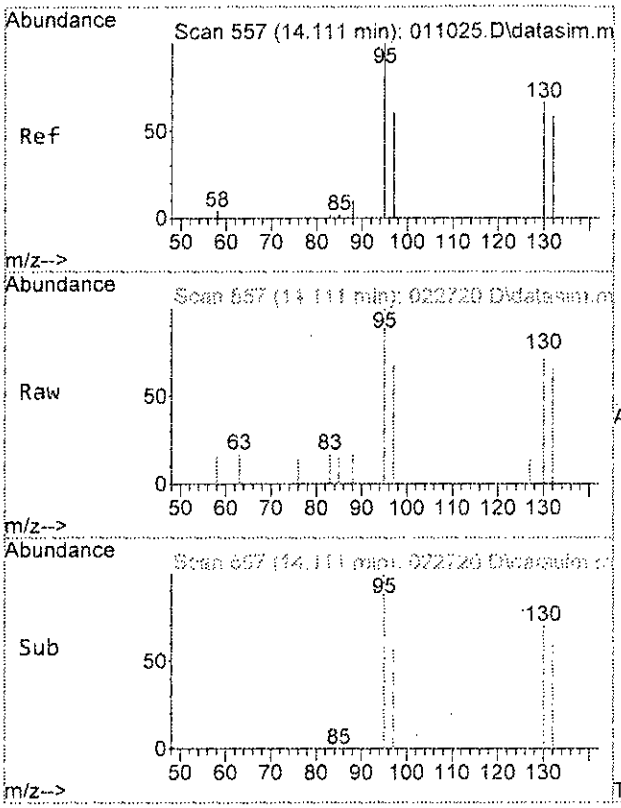


#34
1,2-Dichloroethane (EDC)
Concen: 0.015 ppbv
RT: 11.31 min Scan# 367
Delta R.T. -0.010 min
Lab File: 022720.D
Acq: 28 Feb 2023 12:40 am

Tgt Ion: 62 Resp: 234

Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	35.3

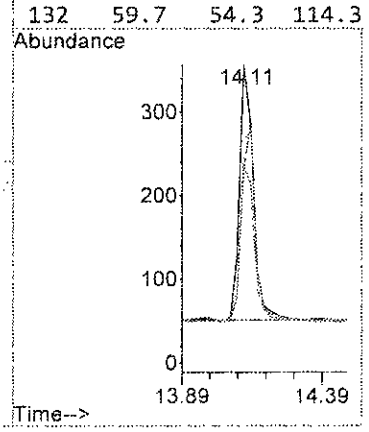


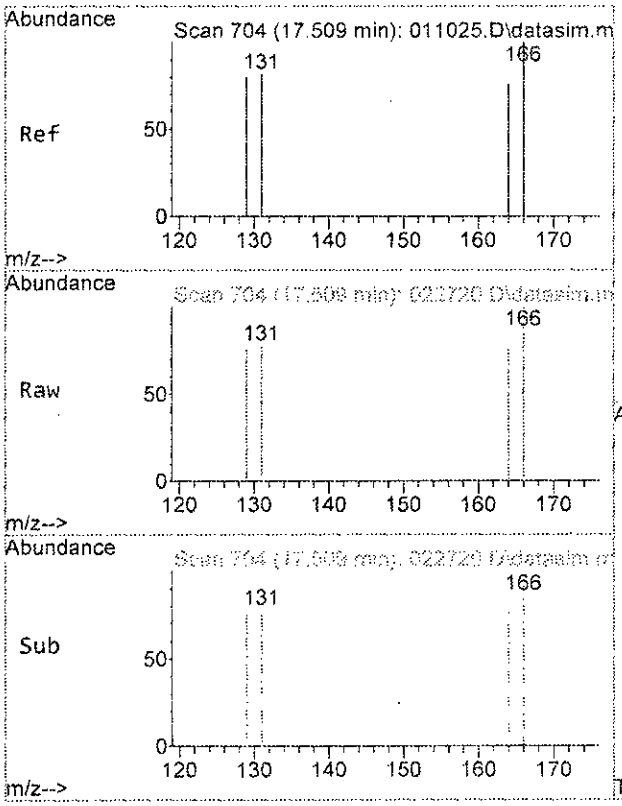


#46
Trichloroethene
Concen: 0.068 ppbv
RT: 14.11 min Scan# 557
Delta R.T. 0.000 min
Lab File: 022720.D
Acq: 28 Feb 2023 12:40 am

Tgt Ion: 95 Resp: 1034

Ion	Ratio	Lower	Upper
95	100		
97	61.0	37.1	97.1
130	70.2	56.1	116.1
132	59.7	54.3	114.3

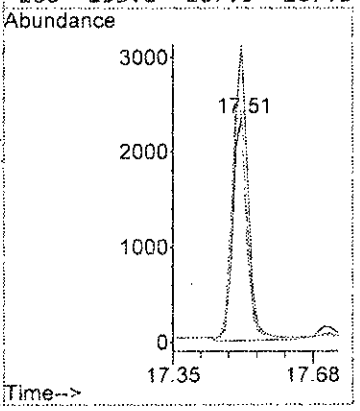




#53
Tetrachloroethene
Concen: 0.455 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022720.D
Acq: 28 Feb 2023 12:40 am

Tgt Ion:164 Resp: 5619

Ion	Ratio	Lower	Upper
164	100		
129	101.2	63.2	123.2
131	103.9	70.7	130.7
166	133.8	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022720.D
Acq On : 28 Feb 2023 12:40 am
Operator : bat
Sample : 302321-05
Misc : T8
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:51 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67002	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	260818	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	246857	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	150192	9.156	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.60%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D. d		
3) Dichlorodifluoromethane	0.00		0	N.D. d		
4) Chloromethane	0.00		0	N.D. d		
5) F-114	0.00		0	N.D. d		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D. d		
8) Butane	0.00		0	N.D. d		
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D. d		
12) Ethanol	0.00		0	N.D. d		
13) Acrolein	0.00		0	N.D. d		
14) Pentane	0.00		0	N.D. d		
15) Trichlorofluoromethane	0.00		0	N.D. d		
16) Acetone	0.00		0	N.D. d		
17) 2-Propanol	0.00		0	N.D. d		
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	8.05	96	110	N.D.		
20) Methylene chloride	0.00		0	N.D. d		
21) t-Butyl alcohol (TBA)	0.00		0	N.D. d		
22) 3-Chloropropene	0.00		0	N.D. d		
23) CFC-113	0.00		0	N.D. d		
24) Carbon disulfide	0.00		0	N.D. d		
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D. d		
27) 1,1-Dichloroethane	0.00		0	N.D.		
28] cis-1,2-Dichloroethene	9.60	96	1267	0.116	ppbv	95
29) Hexane	0.00		0	N.D. d		
30) Chloroform	0.00		0	N.D. d		
31) Ethyl acetate	0.00		0	N.D. d		
32) Tetrahydrofuran	0.00		0	N.D. d		
33) 2-Butanone (MEK)	0.00		0	N.D. d		
34] 1,2-Dichloroethane (EDC)	11.31	62	234	0.015	ppbv	86
35) 1,1,1-Trichloroethane	11.68	97	131	N.D.		
36) Carbon tetrachloride	0.00		0	N.D. d		
37) Benzene	0.00		0	N.D. d		
38) Cyclohexane	0.00		0	N.D. d		
40) 1,2-Dichloropropane	0.00		0	N.D. d		

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022720.D
Acq On : 28 Feb 2023 12:40 am
Operator : bat
Sample : 302321-05
Misc : T8
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:51 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

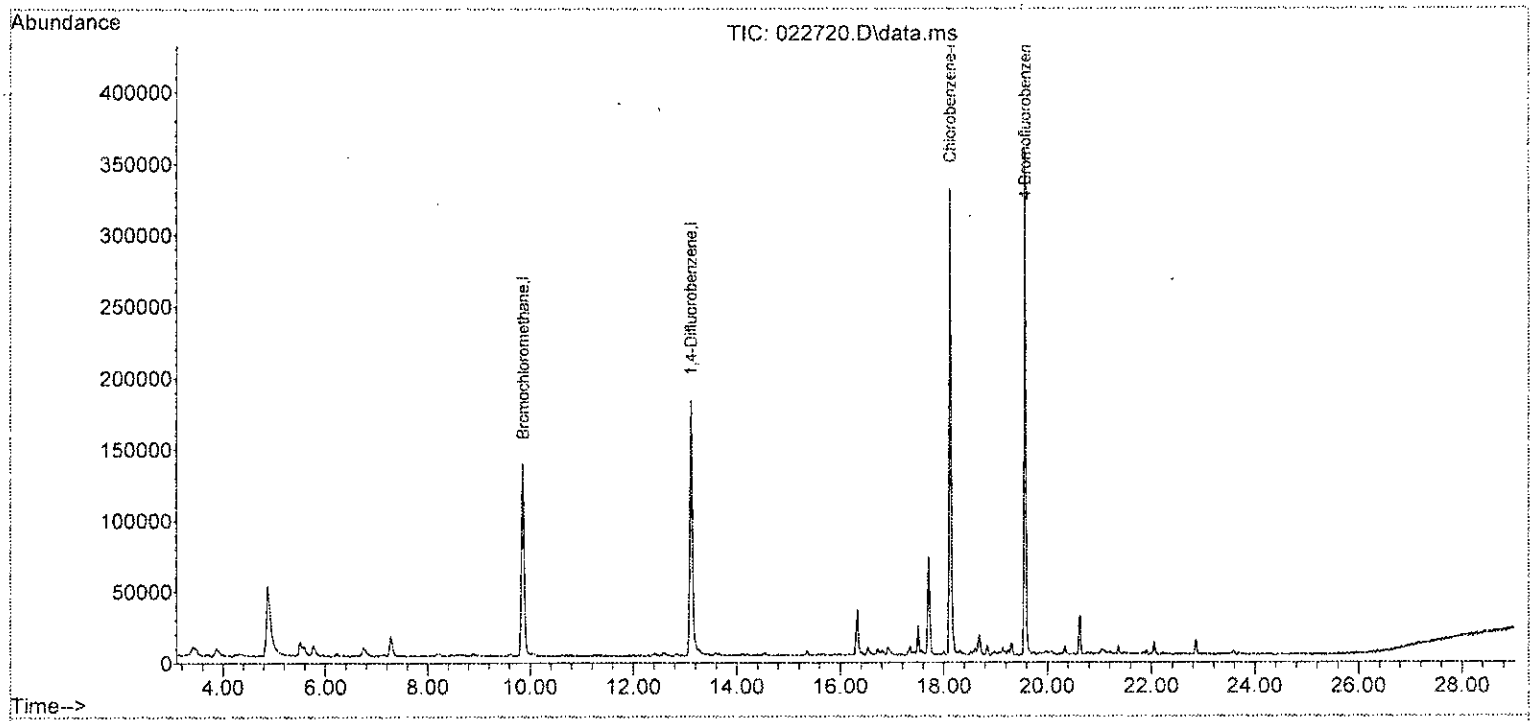
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D. d		
43) Methyl methacrylate	0.00		0	N.D. d		
44) Heptane	0.00		0	N.D. d		
45) Bromodichloromethane	0.00		0	N.D.		
46] Trichloroethene	14.11	95	1034	0.068	ppbv	82
47) cis-1,3-Dichloropropene	0.00		0	N.D. d		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D. d		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D. d		
53] Tetrachloroethene	17.51	164	5619	0.455	ppbv	95
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D. d		
58) Ethylbenzene	0.00		0	N.D. d		
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d		
60) Nonane	0.00		0	N.D. d		
61) Isopropylbenzene	0.00		0	N.D. d		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D. d		
64) 4-Ethyltoluene	0.00		0	N.D. d		
65) m,p-Xylene	0.00		0	N.D. d		
66) o-Xylene	0.00		0	N.D. d		
67) Styrene	0.00		0	N.D. d		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D. d		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
72) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
73) 1,3-Dichlorobenzene	0.00		0	N.D.		
74) 1,4-Dichlorobenzene	0.00		0	N.D.		
75) 1,2-Dichlorobenzene	0.00		0	N.D.		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D. d		
78) Hexachlorobutadiene	0.00		0	N.D.		

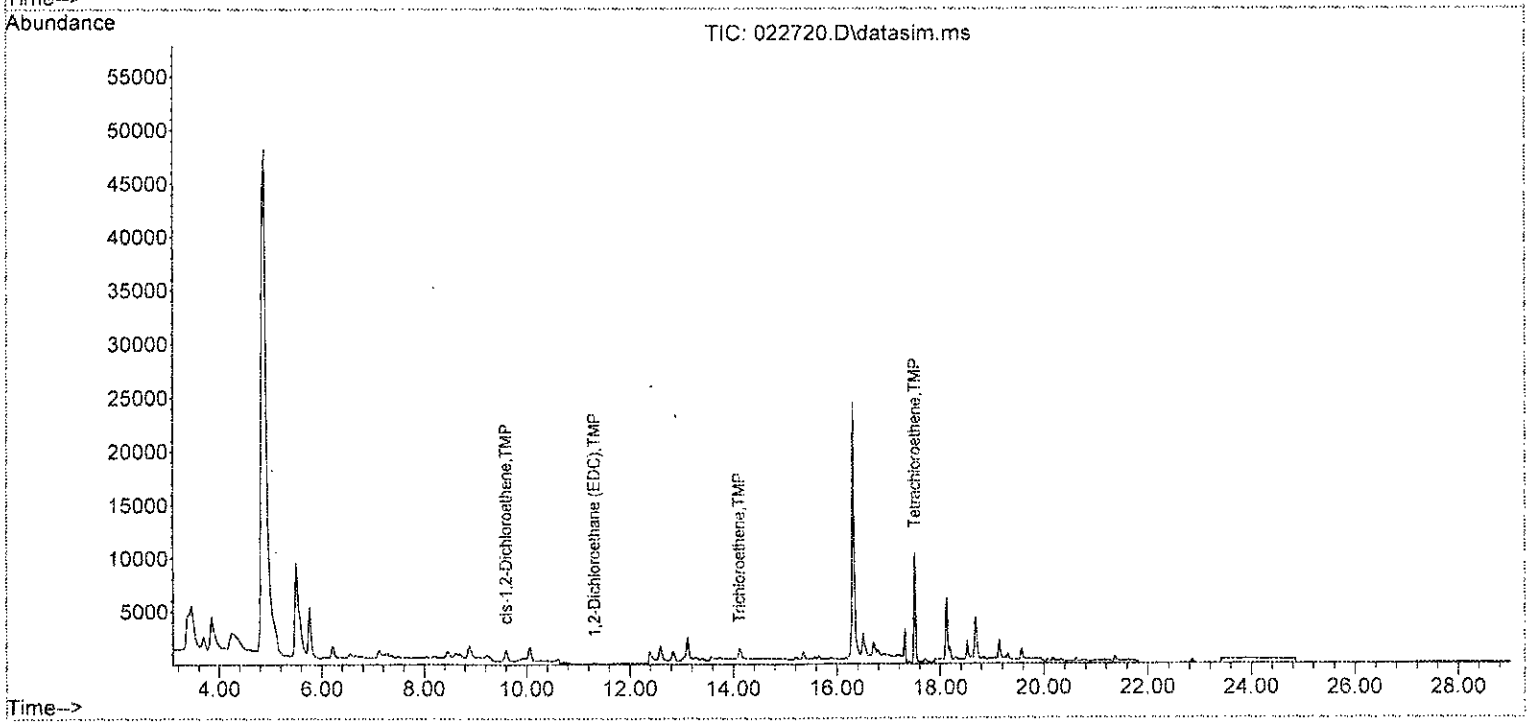
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022720.D
Acq On : 28 Feb 2023 12:40 am
Operator : bat
Sample : 302321-05
Misc : T8
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:51 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

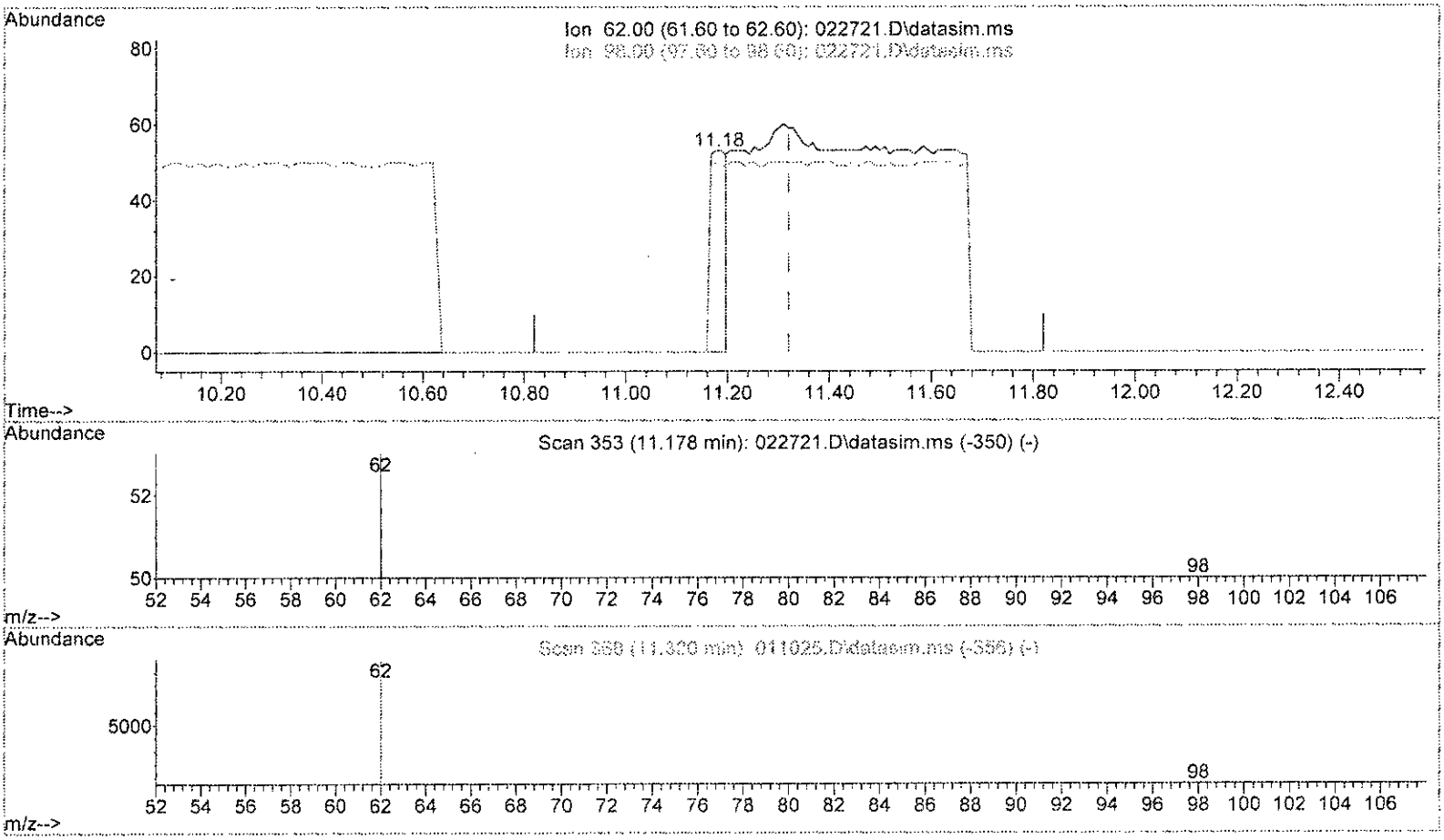




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022721.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.178min (-0.142) 0.008 ppbv

response 119

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	94.34#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

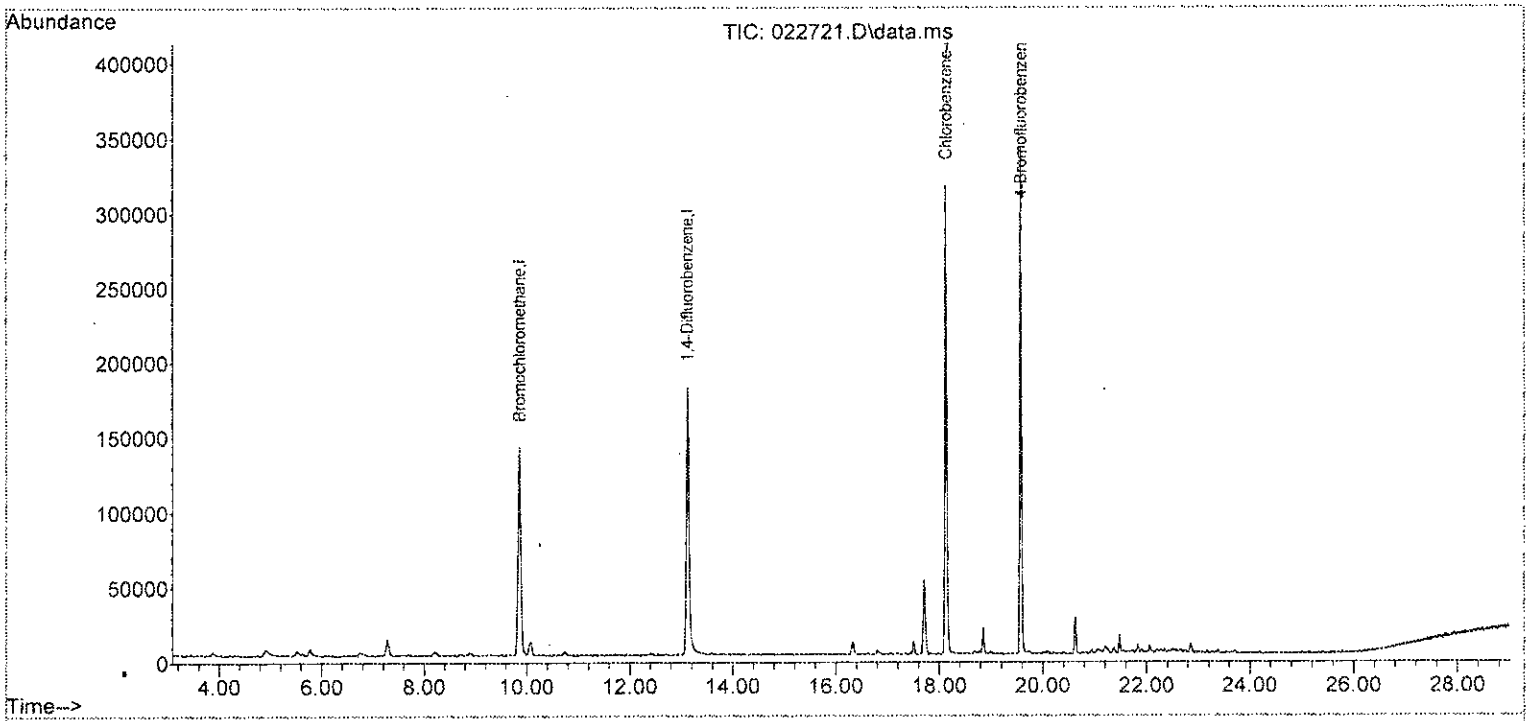
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66074	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	267339	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	238740	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	148475	9.359	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.60%			
Target Compounds						Qvalue
53] Tetrachloroethene	17.51	164	2858	0.226	ppbv	94

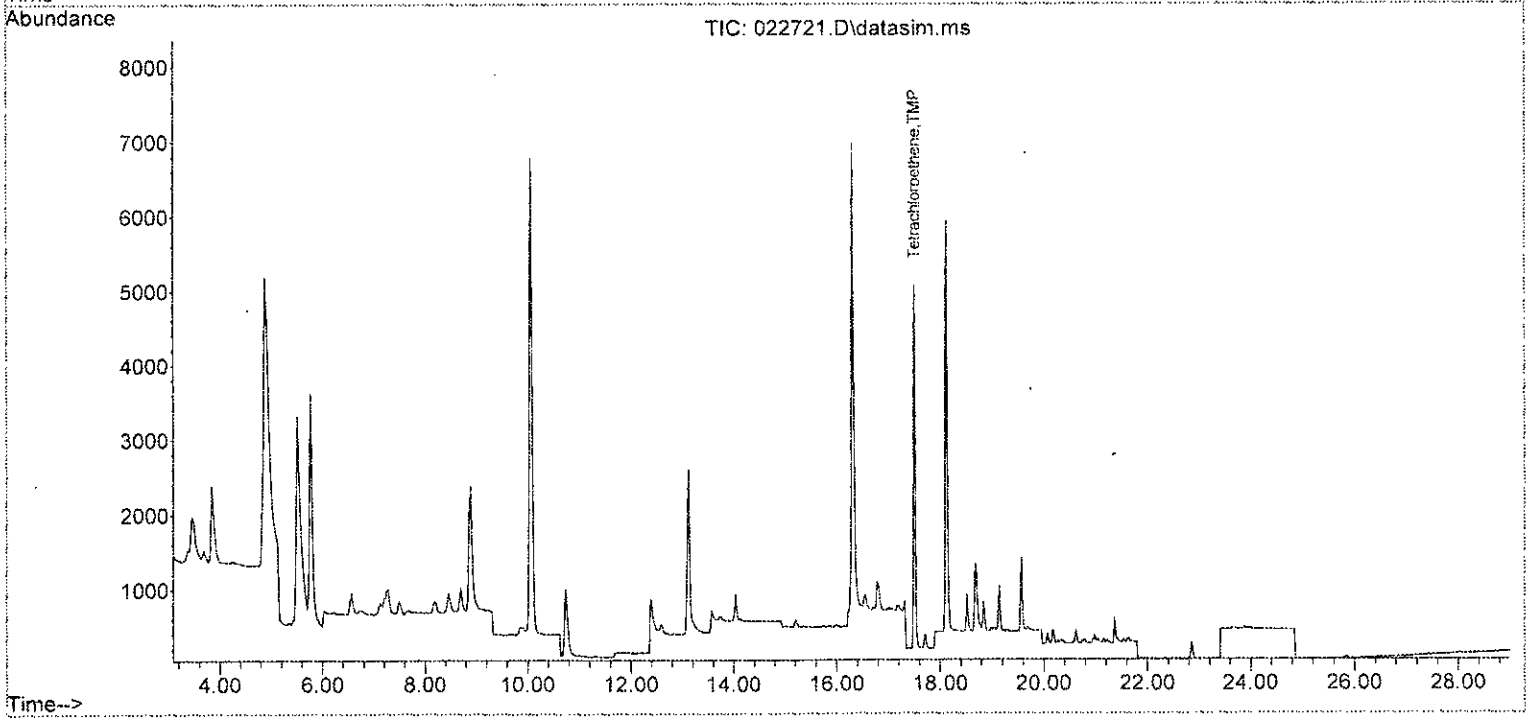
(#) = qualifier out of range (m) = manual integration (+) = signals summed

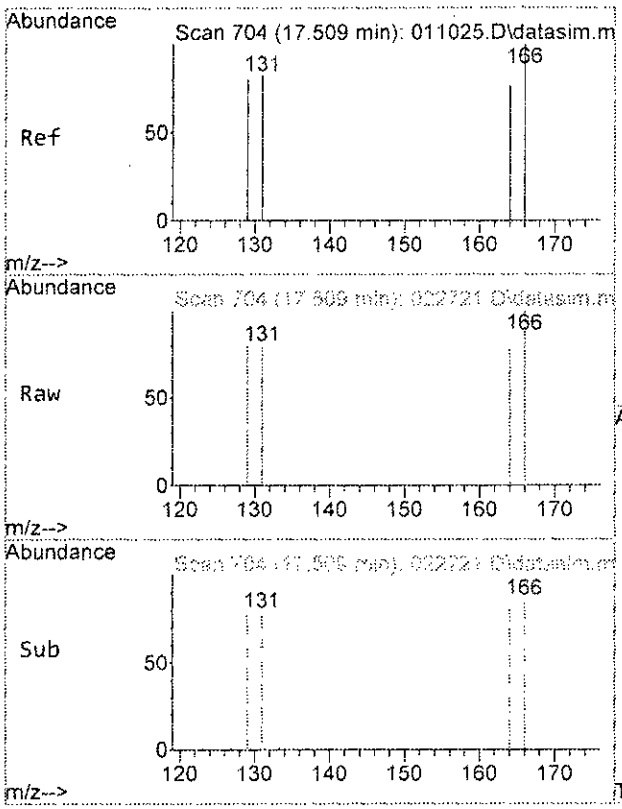
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



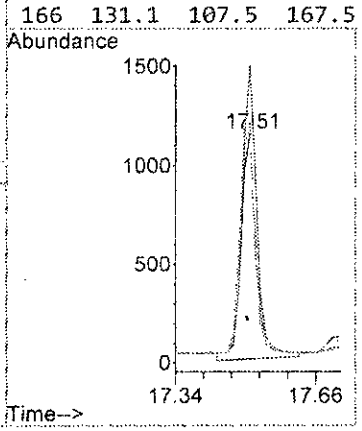




#53
Tetrachloroethene
Concen: 0.226 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022721.D
Acq: 28 Feb 2023 1:16 am

Tgt Ion:164 Resp: 2858

Ion	Ratio	Lower	Upper
164	100		
129	102.1	63.2	123.2
131	104.2	70.7	130.7
166	131.1	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	66074	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	267339	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	238740	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	148475	9.359	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.60%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.		
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	0.00		0	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.		
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

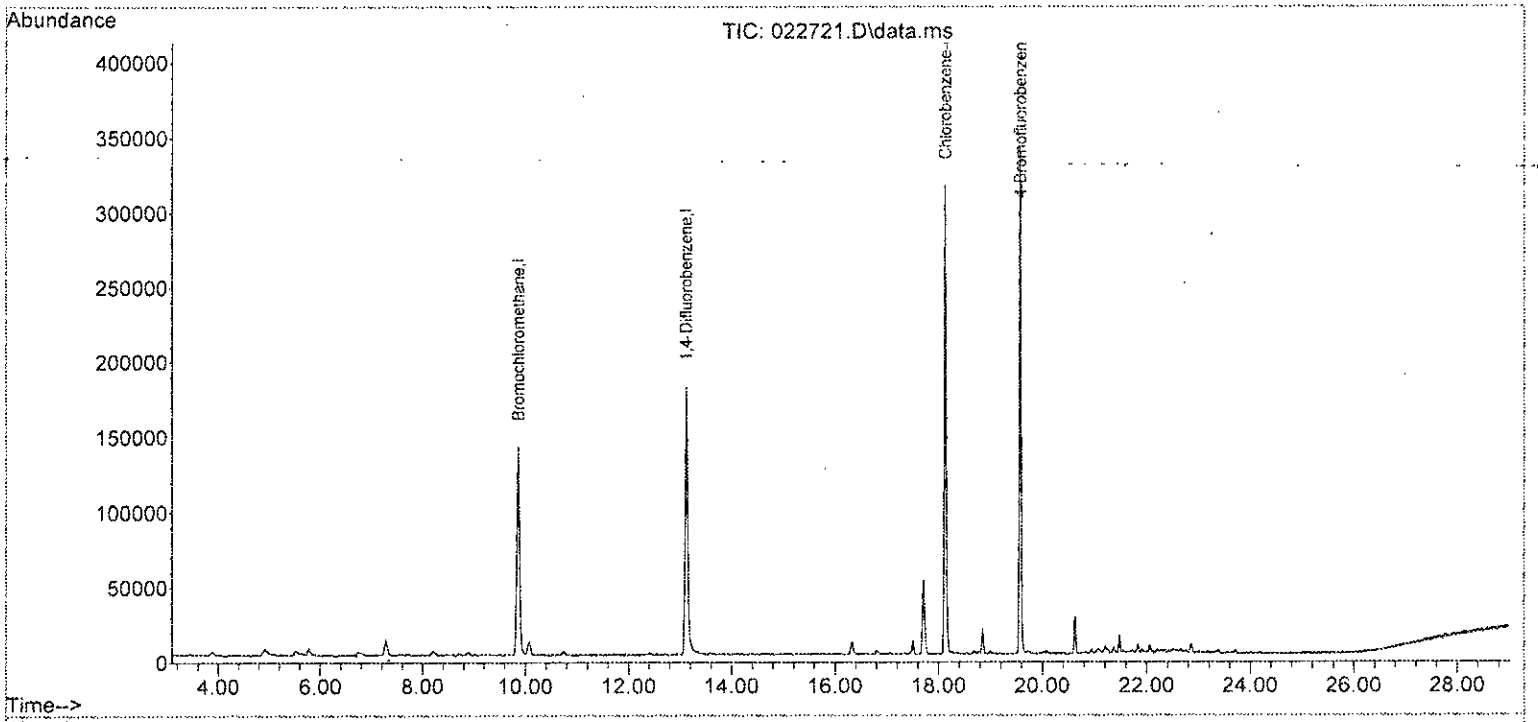
Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

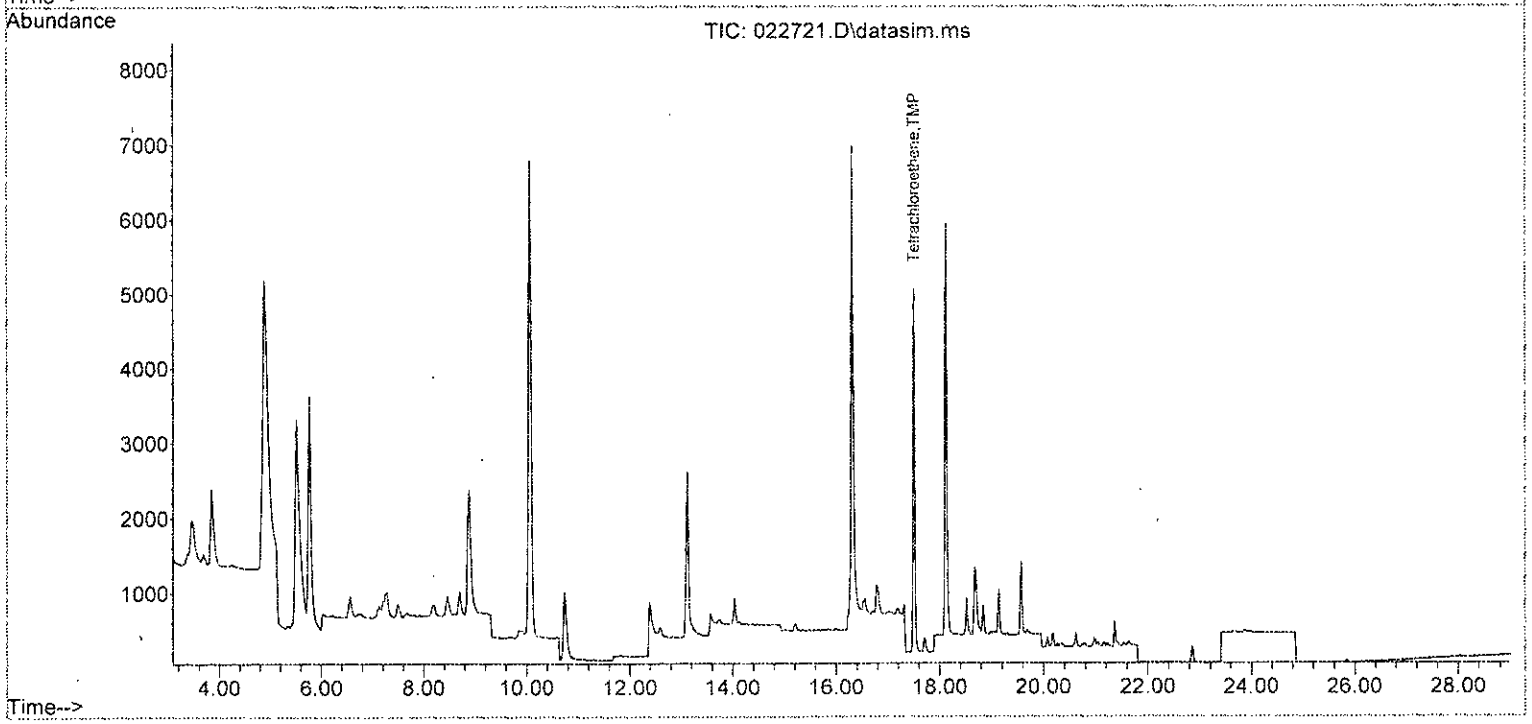
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.		
44) Heptane	0.00		0	N.D. d		
45) Bromodichloromethane	0.00		0	N.D. d		
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D. d		
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D. d		
53] Tetrachloroethene	17.51	164	2858	0.226	ppbv	94
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D. d		
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d		
60) Nonane	0.00		0	N.D. d		
61) Isopropylbenzene	0.00		0	N.D. d		
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D. d		
64) 4-Ethyltoluene	0.00		0	N.D. d		
65) m,p-Xylene	0.00		0	N.D. d		
66) o-Xylene	0.00		0	N.D. d		
67) Styrene	0.00		0	N.D. d		
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D. d		
71) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
72) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
73) 1,3-Dichlorobenzene	0.00		0	N.D. d		
74) 1,4-Dichlorobenzene	0.00		0	N.D. d		
75) 1,2-Dichlorobenzene	0.00		0	N.D. d		
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D. d		
78) Hexachlorobutadiene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022721.D
Acq On : 28 Feb 2023 1:16 am
Operator : bat
Sample : 302321-06 1/4.9
Misc : T9
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:53 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022722.D
Acq On : 28 Feb 2023 1:51 am
Operator : bat
Sample : 302321-07 1/4.9
Misc : T10
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:55 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

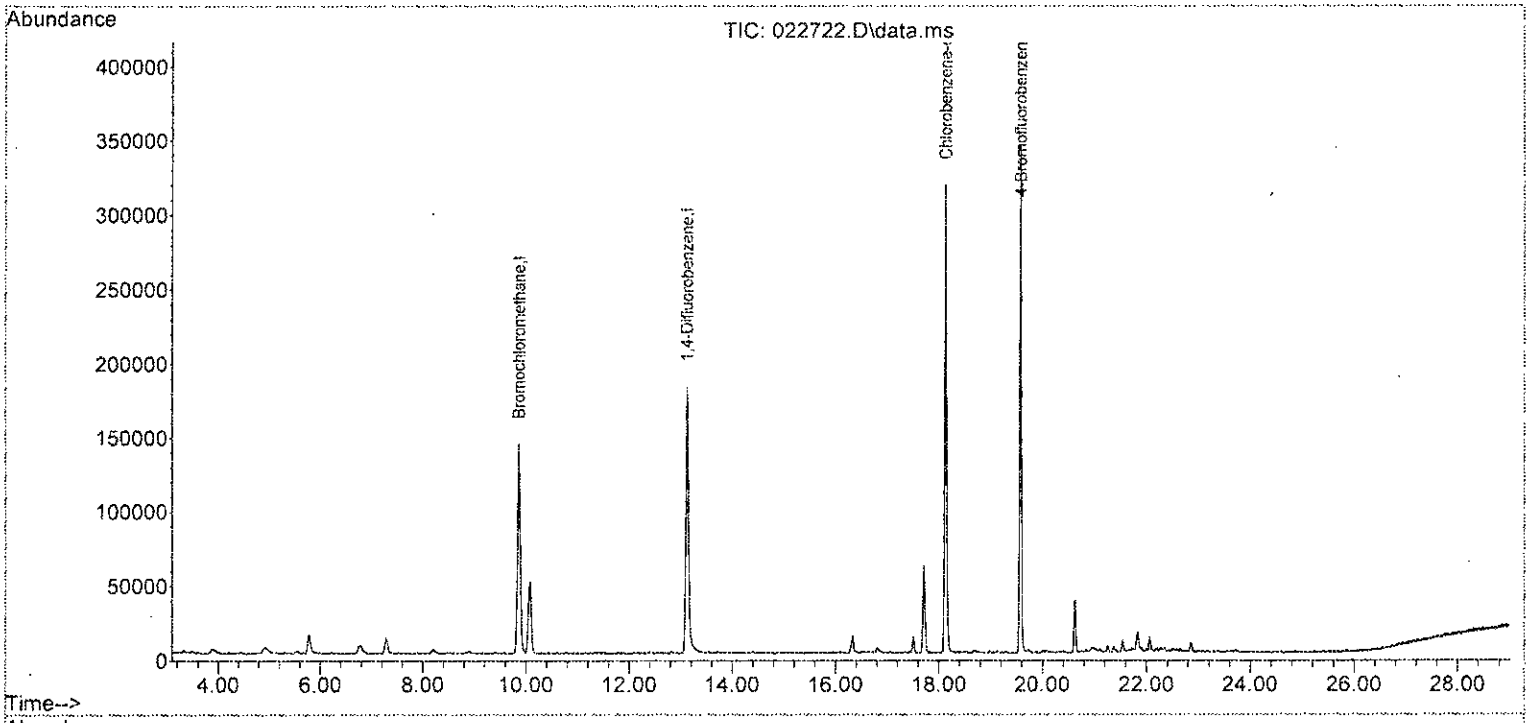
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67595	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	268099	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	242542	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	146689	9.101	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.00%			
Target Compounds						Qvalue
53] Tetrachloroethene	17.51	164	3292	0.260	ppbv	94

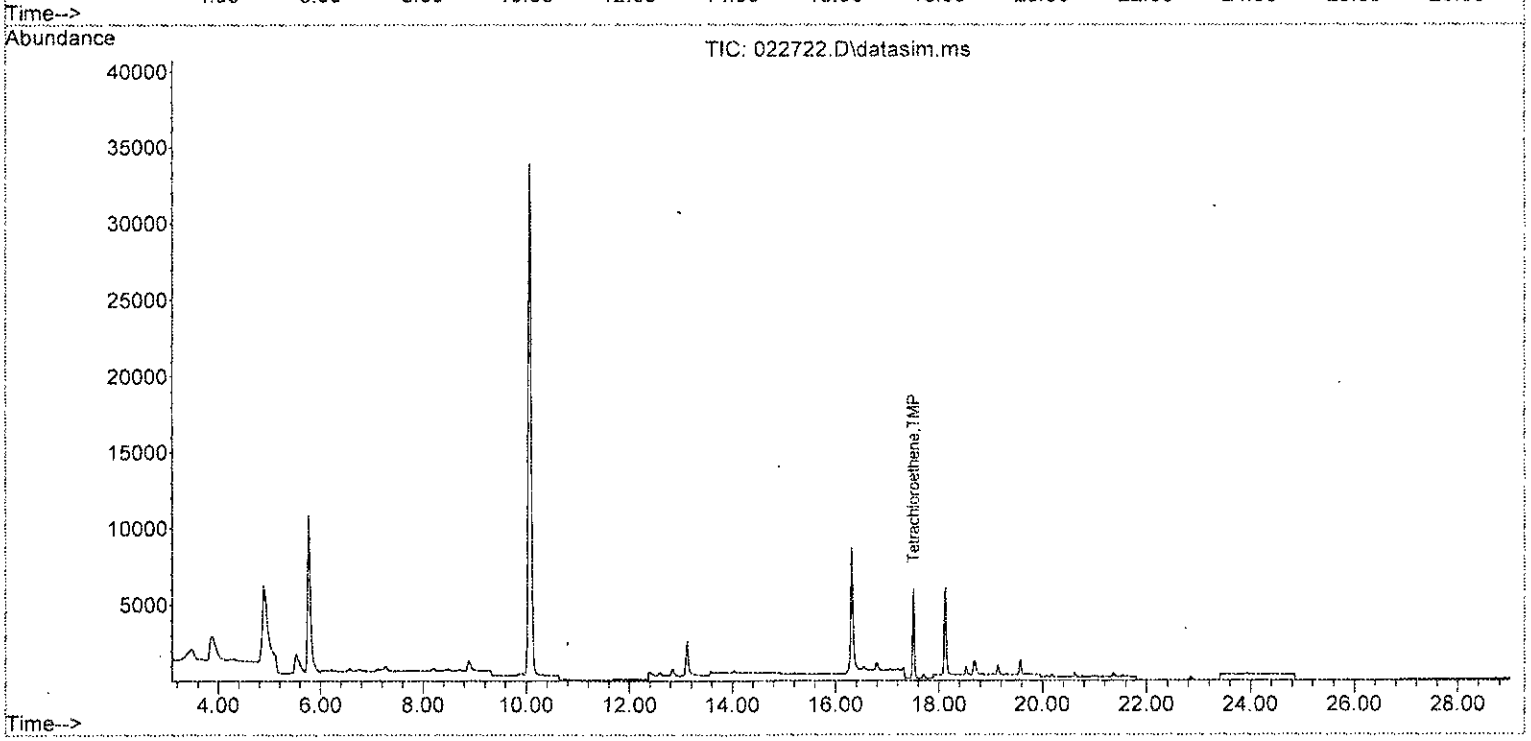
(#) = qualifier out of range (m) = manual integration (+) = signals summed

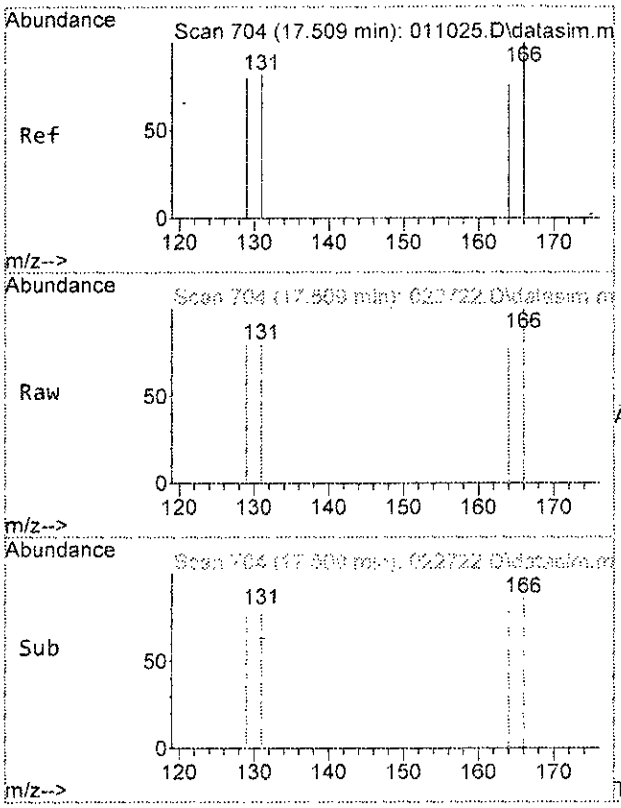
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022722.D
Acq On : 28 Feb 2023 1:51 am
Operator : bat
Sample : 302321-07 1/4.9
Misc : T10
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:55 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



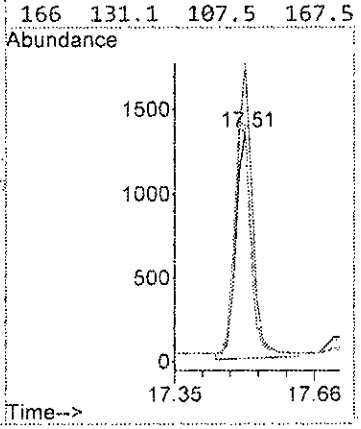




#53
Tetrachloroethene
Concen: 0.260 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022722.D
Acq: 28 Feb 2023 1:51 am

Tgt Ion:164 Resp: 3292

Ion	Ratio	Lower	Upper
164	100		
129	103.0	63.2	123.2
131	104.3	70.7	130.7
166	131.1	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022722.D
Acq On : 28 Feb 2023 1:51 am
Operator : bat
Sample : 302321-07 1/4.9
Misc : T10
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:55 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67595	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	268099	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	242542	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	146689	9.101	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.00%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.	d	
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.		
22) 3-Chloropropene	0.00		0	N.D.	d	
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.		
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
35) 1,1,1-Trichloroethane	11.79	97	877	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022722.D
Acq On : 28 Feb 2023 1:51 am
Operator : bat
Sample : 302321-07 1/4.9
Misc : T10
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:55 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

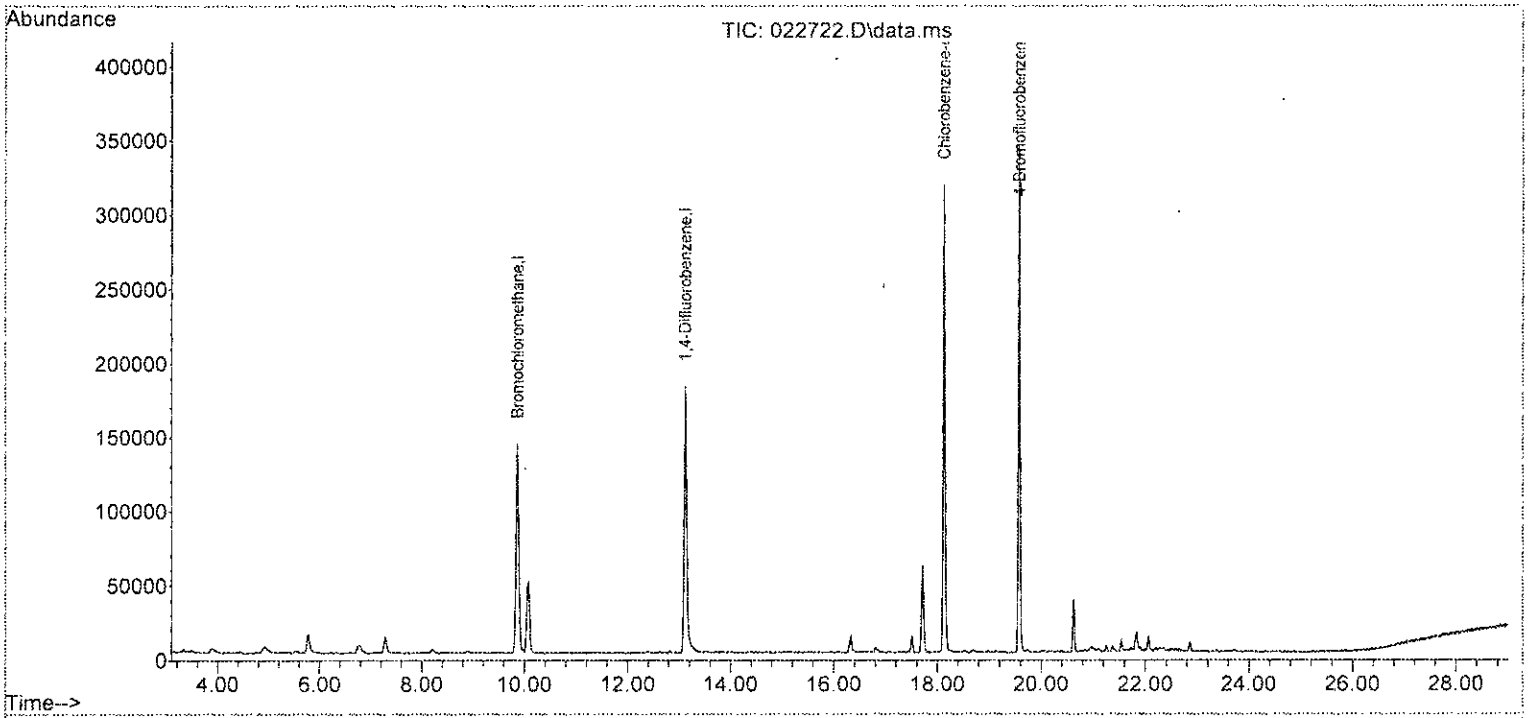
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.		
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46) Trichloroethene	0.00		0	N.D.		
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.51	164	3292	0.260	ppbv	94
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.		
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

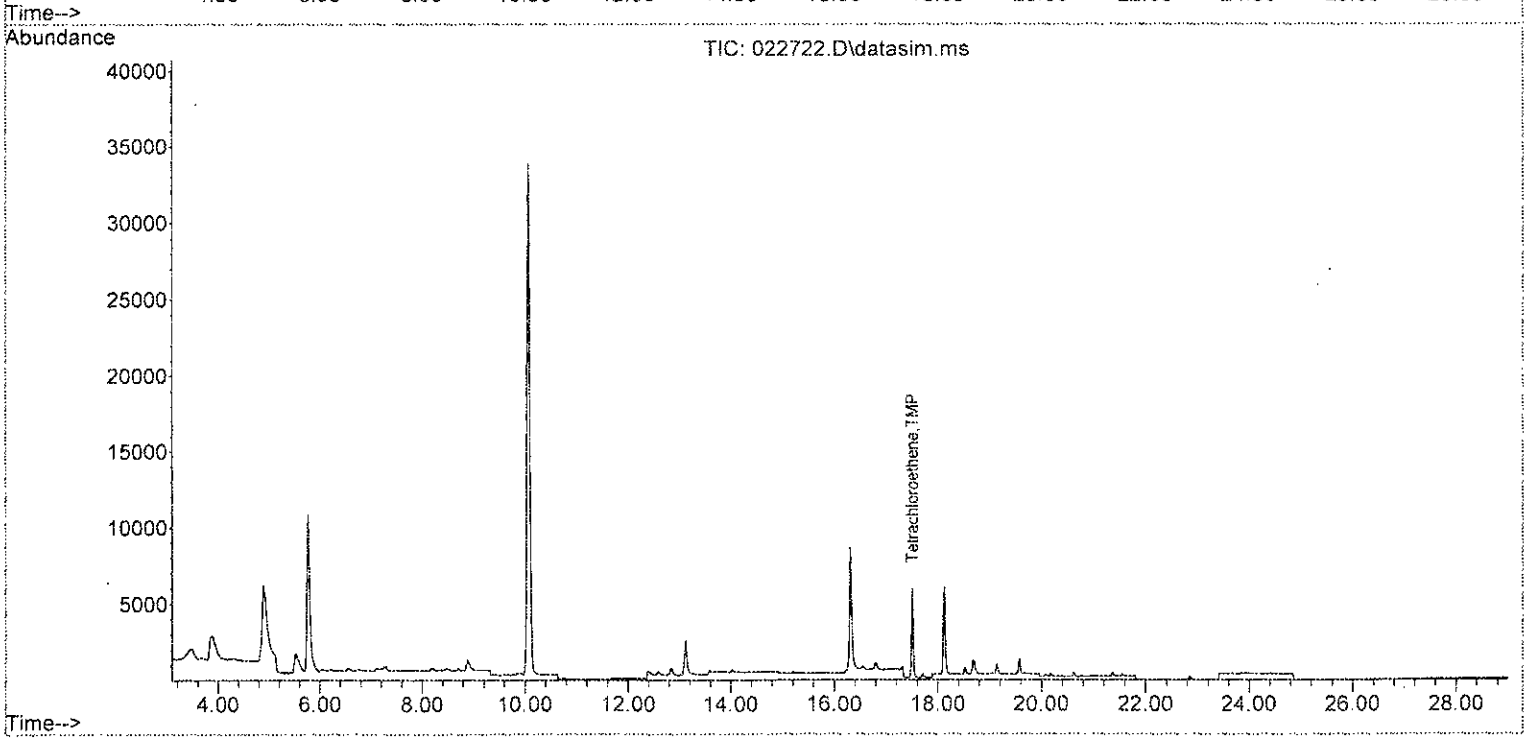
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022722.D
Acq On : 28 Feb 2023 1:51 am
Operator : bat
Sample : 302321-07 1/4.9
Misc : T10
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:55 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

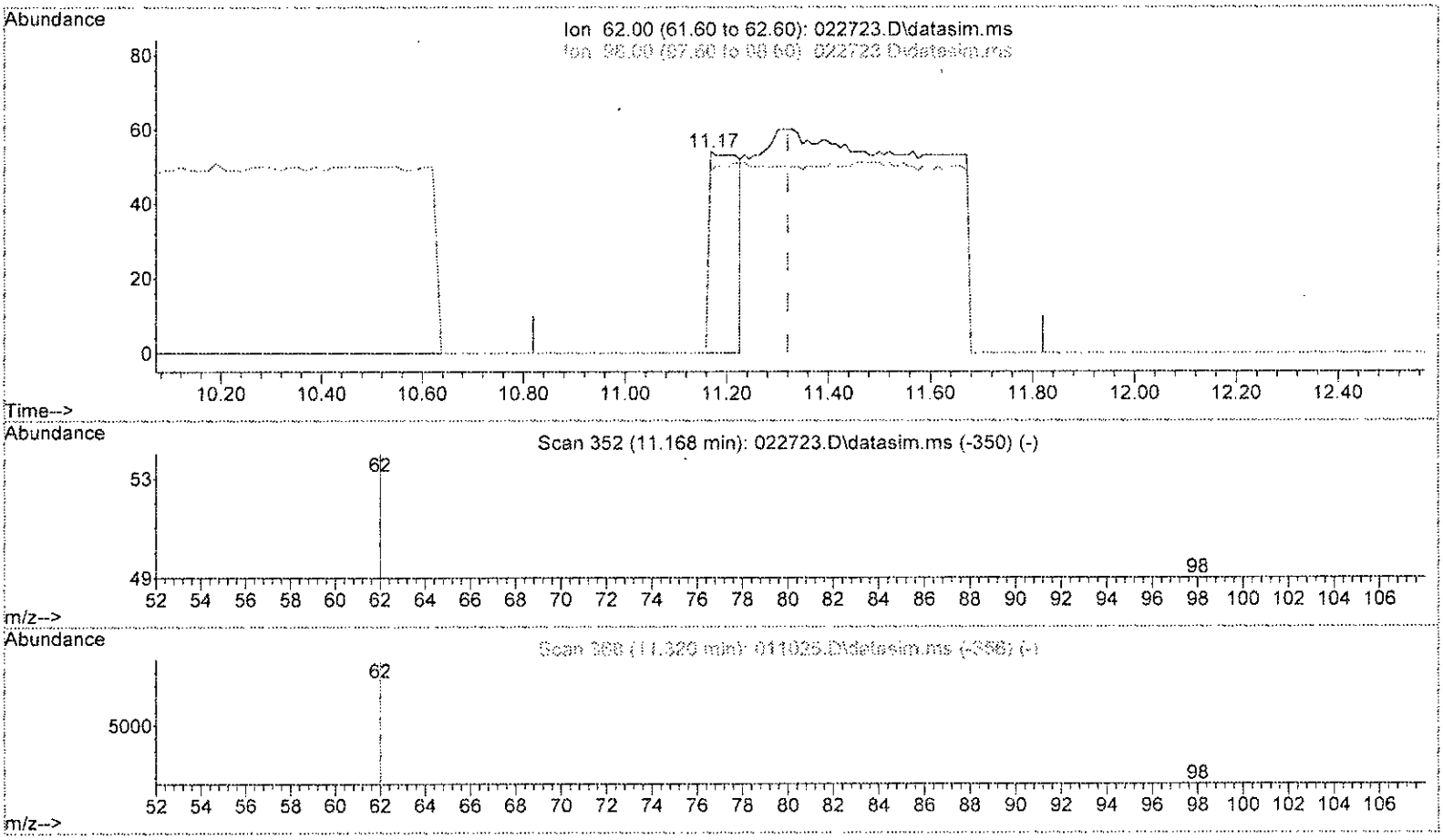




Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022723.D\data.ms

(34) 1,2-Dichloroethane (EDC) (TMP)

11.168min (-0.152) 0.013 ppbv

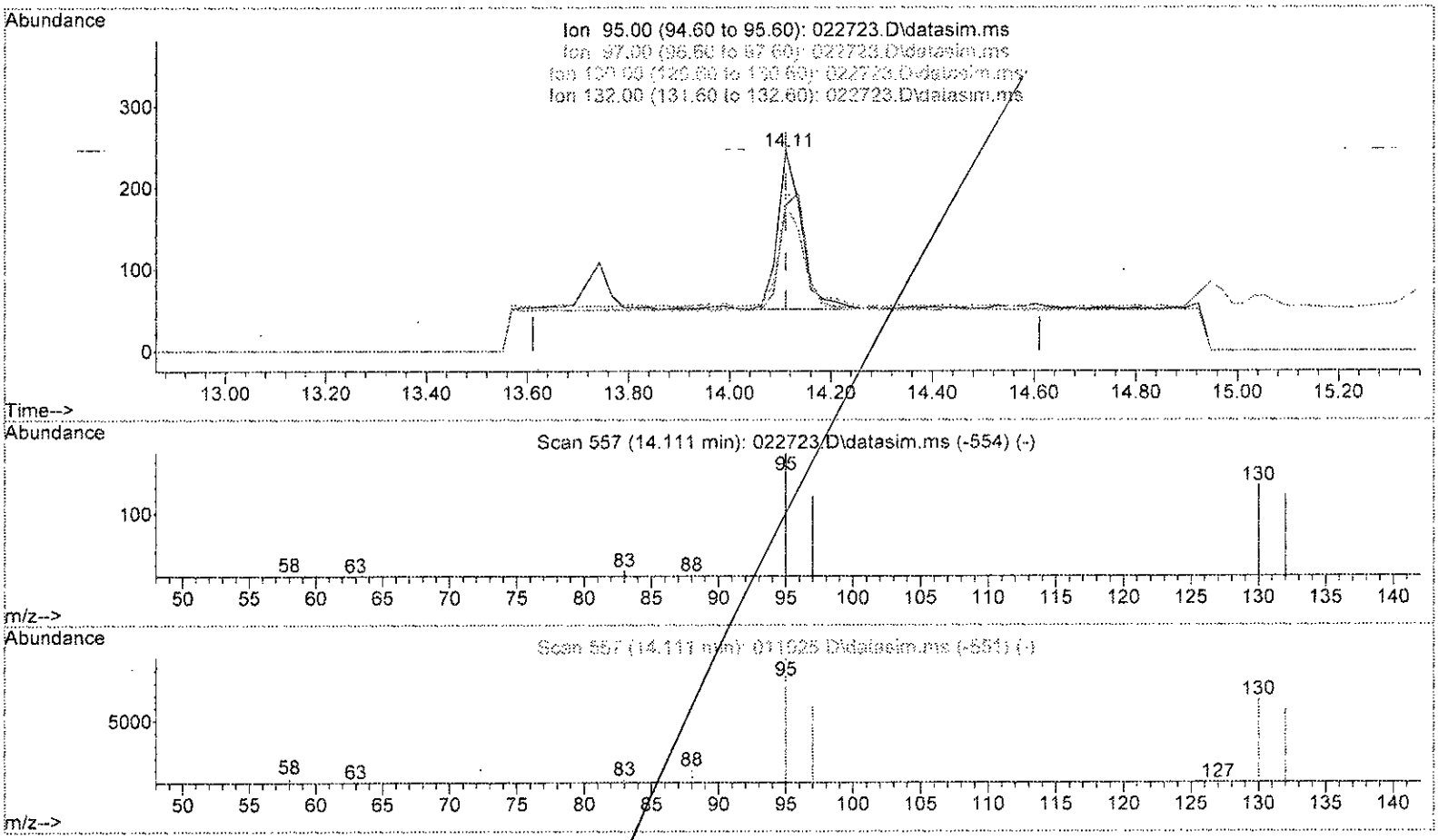
response 211

Ion	Exp%	Act%
62.00	100.00	100.00
98.00	5.30	90.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022723.D\data.ms

(46) Trichloroethene (TMP)
14.111min (+ 0.000) 0.040 ppbv
response 641

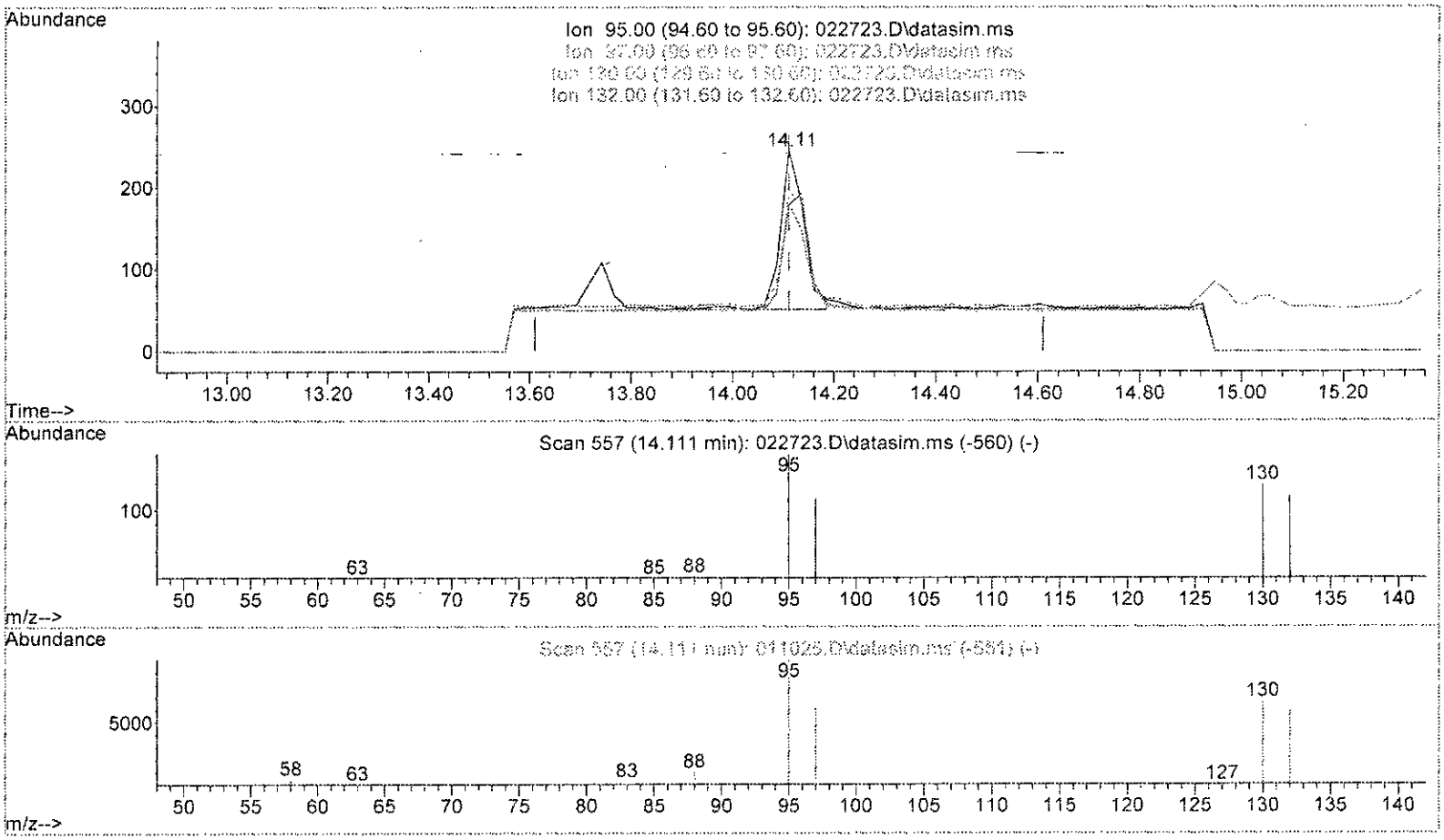
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	65.46
130.00	86.10	73.71
132.00	84.30	65.98

3/6/23

Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



TIC: 022723.D\data.ms

(46) Trichloroethene (TMP)

14.111min (+ 0.000) 0.038 ppbv m

response 617

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	67.10	73.88
130.00	86.10	78.37
132.00	84.30	72.65

3/01/23

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
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Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

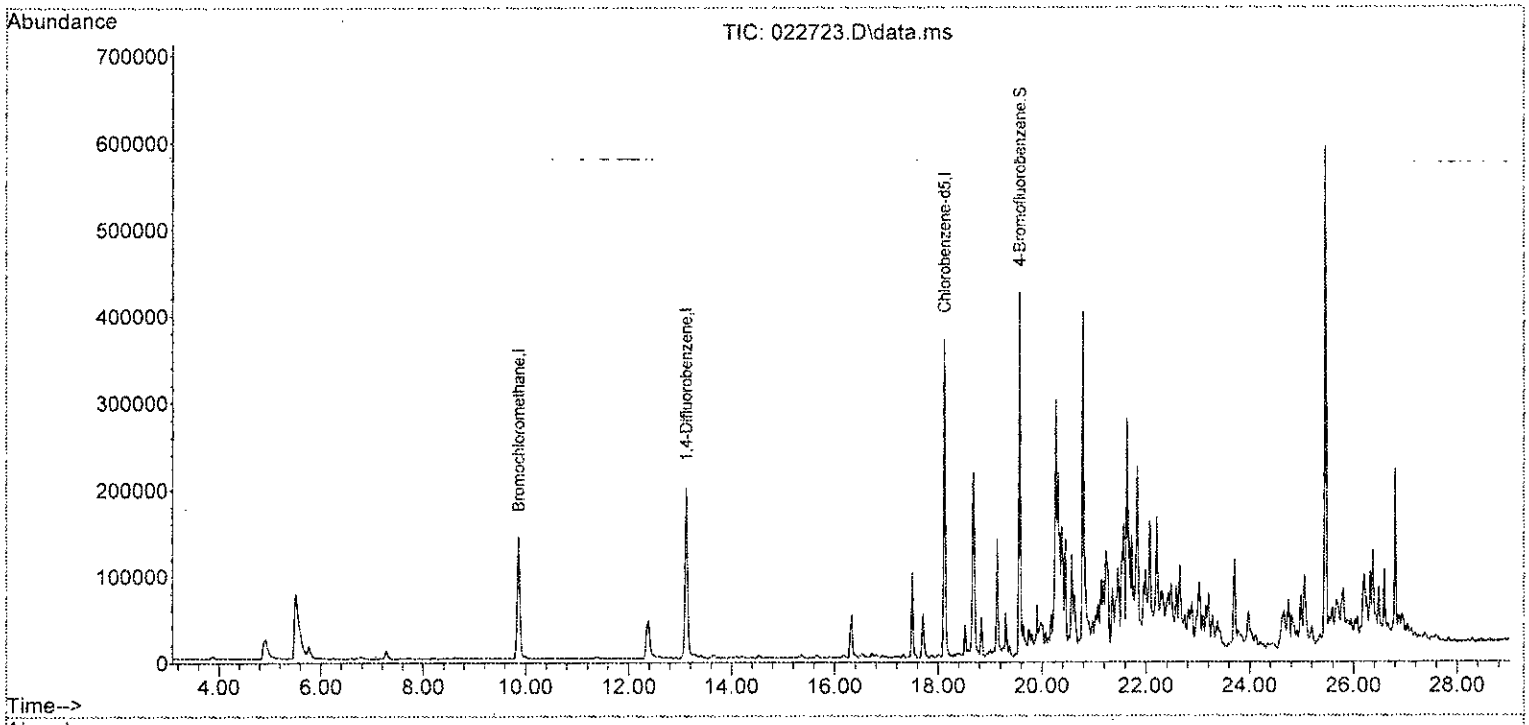
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67576	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	279386	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	248991	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	171221	10.348	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%			
Target Compounds						Qvalue
46] Trichloroethene	14.11	95	617m	0.038	ppbv	
53] Tetrachloroethene	17.51	164	25752	1.949	ppbv	97

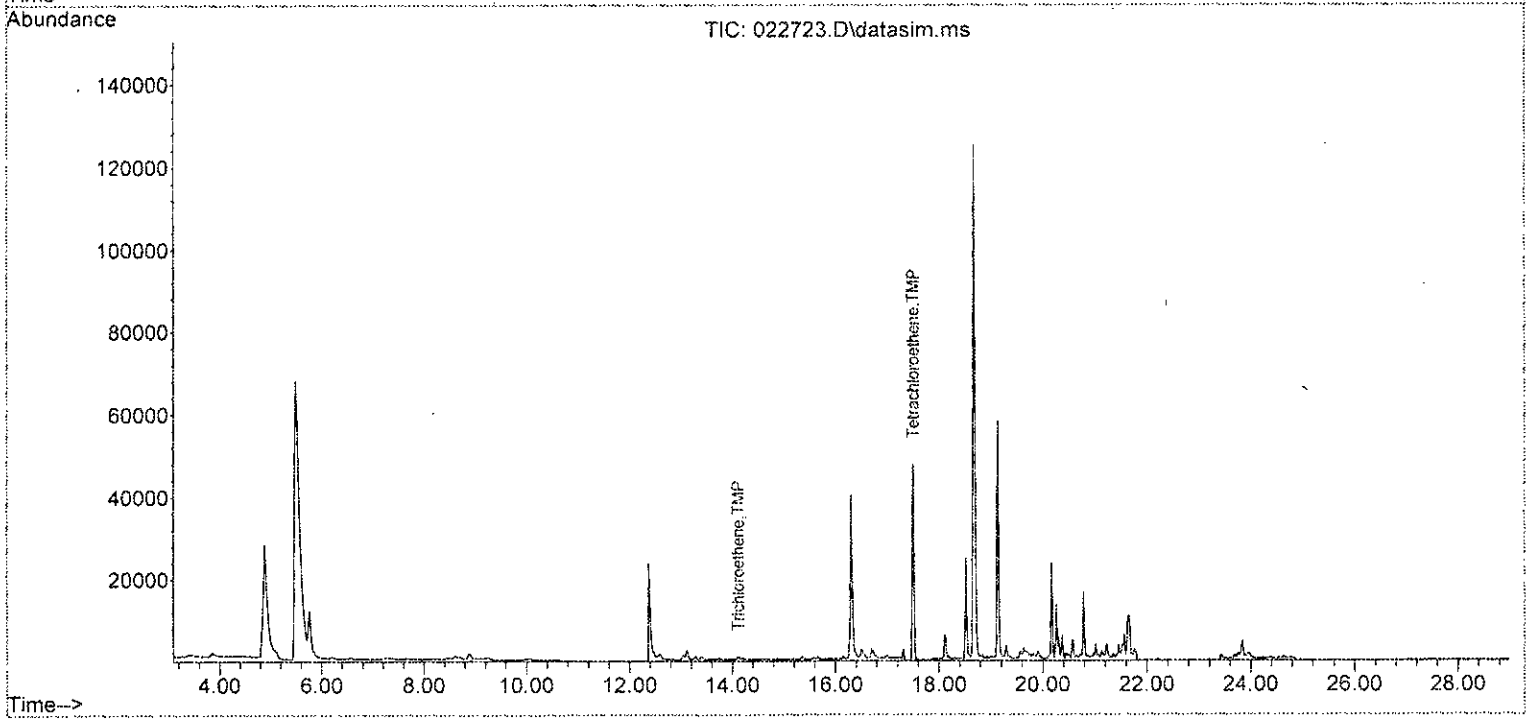
(#) = qualifier out of range (m) = manual integration (+) = signals summed

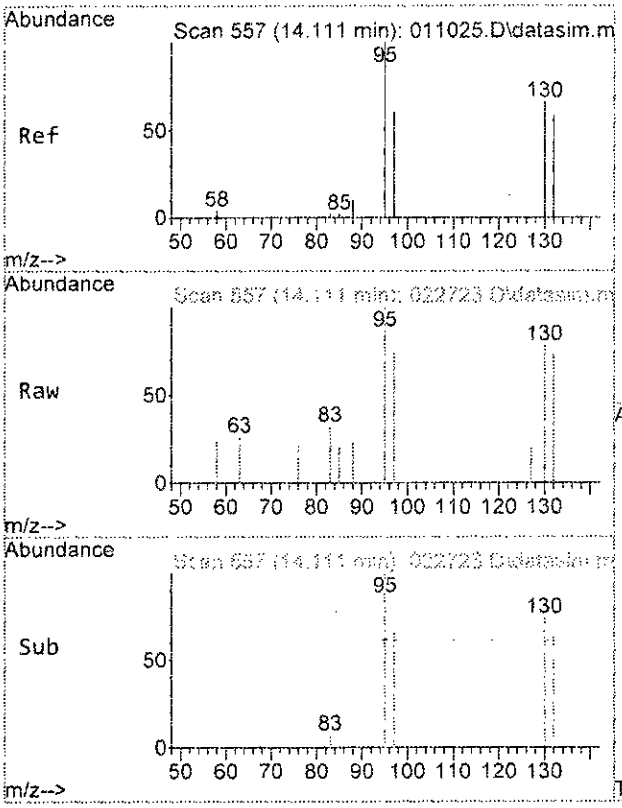
Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M



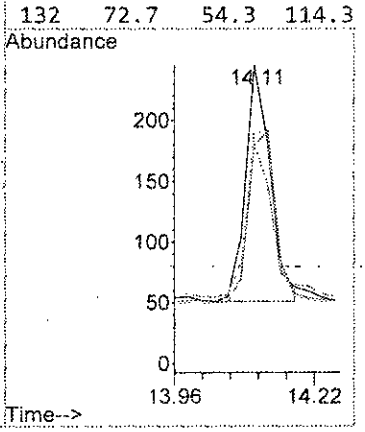


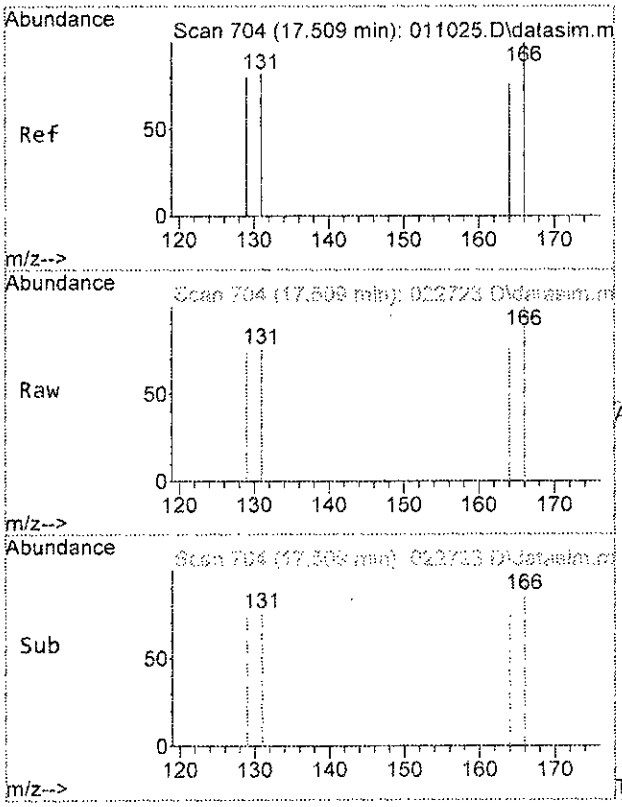


#46
Trichloroethene
Concen: 0.038 ppbv m
RT: 14.11 min Scan# 557
Delta R.T. 0.000 min
Lab File: 022723.D
Acq: 28 Feb 2023 2:25 am

Tgt Ion: 95 Resp: 617

Ion	Ratio	Lower	Upper
95	100		
97	73.9	37.1	97.1
130	78.4	56.1	116.1
132	72.7	54.3	114.3

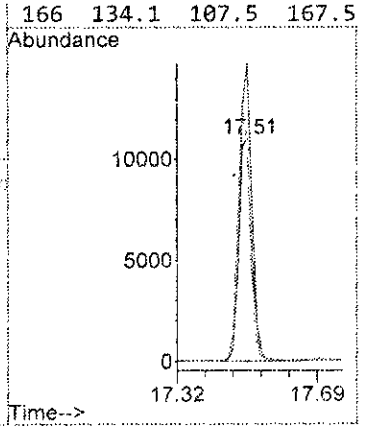




#53
Tetrachloroethene
Concen: 1.949 ppbv
RT: 17.51 min Scan# 704
Delta R.T. -0.000 min
Lab File: 022723.D
Acq: 28 Feb 2023 2:25 am

Tgt Ion:164 Resp: 25752

Ion	Ratio	Lower	Upper
164	100		
129	97.4	63.2	123.2
131	102.1	70.7	130.7
166	134.1	107.5	167.5



Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS7

Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	9.86	128	67576	10.000	ppbv	0.00
39) 1,4-Difluorobenzene	13.12	114	279386	10.000	ppbv	0.00
56) Chlorobenzene-d5	18.12	117	248991	10.000	ppbv	0.00
System Monitoring Compounds						
69) 4-Bromofluorobenzene	19.57	95	171221	10.348	ppbv	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.50%			
Target Compounds						Qvalue
2) Propene	0.00		0	N.D.	d	
3) Dichlorodifluoromethane	0.00		0	N.D.	d	
4) Chloromethane	0.00		0	N.D.	d	
5) F-114	0.00		0	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) 1,3-Butadiene	0.00		0	N.D.		
8) Butane	0.00		0	N.D.	d	
9) Bromomethane	0.00		0	N.D.		
10) Chloroethane	0.00		0	N.D.		
11) Vinyl bromide	0.00		0	N.D.	d	
12) Ethanol	0.00		0	N.D.	d	
13) Acrolein	0.00		0	N.D.		
14) Pentane	0.00		0	N.D.	d	
15) Trichlorofluoromethane	0.00		0	N.D.	d	
16) Acetone	0.00		0	N.D.	d	
17) 2-Propanol	0.00		0	N.D.	d	
18) 1,1-Dichloroethene	0.00		0	N.D.		
19) trans-1,2-Dichloroethene	0.00		0	N.D.		
20) Methylene chloride	0.00		0	N.D.	d	
21) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
22) 3-Chloropropene	0.00		0	N.D.		
23) CFC-113	0.00		0	N.D.		
24) Carbon disulfide	0.00		0	N.D.	d	
25) Methyl t-butyl ether (...	0.00		0	N.D.		
26) Vinyl acetate	0.00		0	N.D.	d	
27) 1,1-Dichloroethane	0.00		0	N.D.		
28) cis-1,2-Dichloroethene	0.00		0	N.D.		
29) Hexane	0.00		0	N.D.	d	
30) Chloroform	0.00		0	N.D.	d	
31) Ethyl acetate	0.00		0	N.D.	d	
32) Tetrahydrofuran	0.00		0	N.D.	d	
33) 2-Butanone (MEK)	0.00		0	N.D.	d	
34) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
35) 1,1,1-Trichloroethane	11.68	97	203	N.D.		
36) Carbon tetrachloride	0.00		0	N.D.	d	
37) Benzene	0.00		0	N.D.	d	
38) Cyclohexane	0.00		0	N.D.	d	
40) 1,2-Dichloropropane	0.00		0	N.D.	d	

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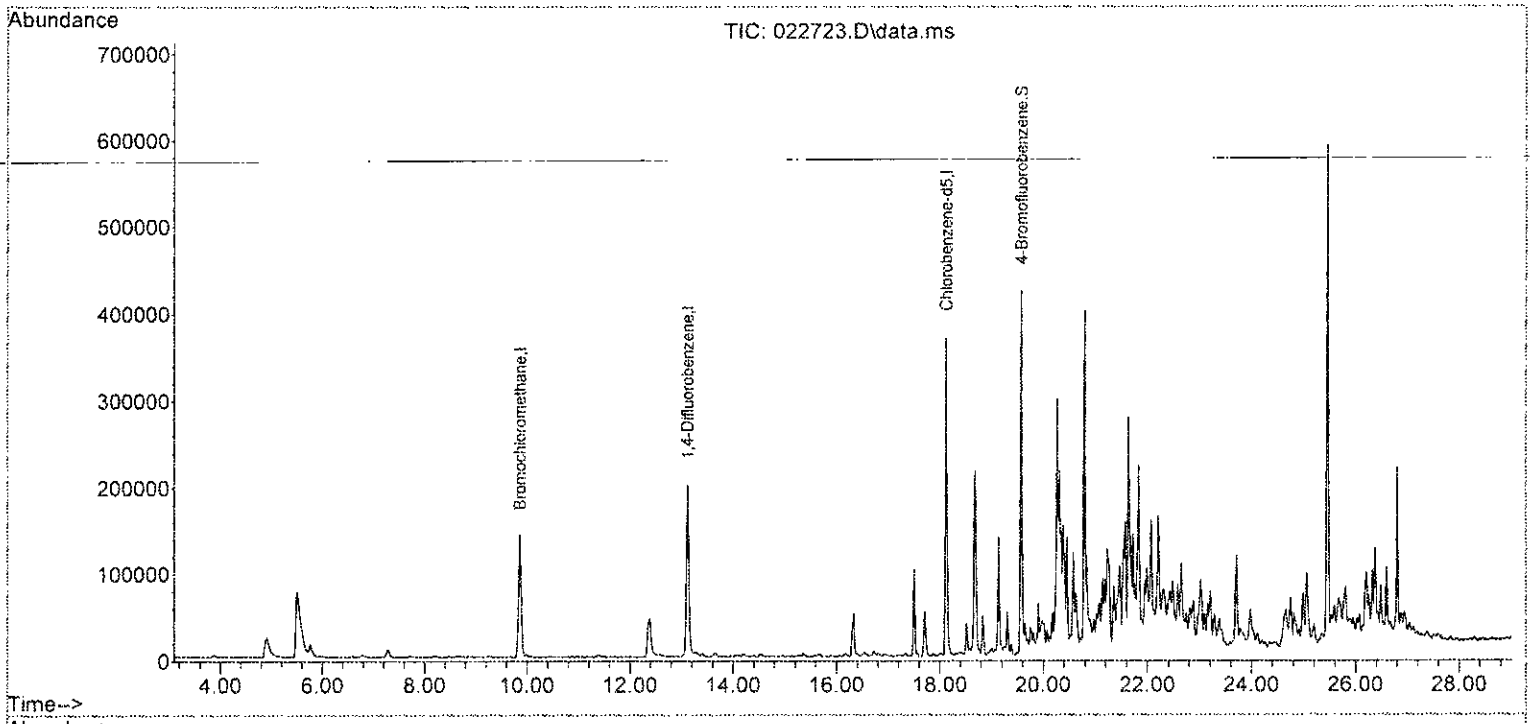
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,4-Dioxane	0.00		0	N.D.		
42) 2,2,4-Trimethylpentane	0.00		0	N.D.	d	
43) Methyl methacrylate	0.00		0	N.D.	d	
44) Heptane	0.00		0	N.D.	d	
45) Bromodichloromethane	0.00		0	N.D.	d	
46] Trichloroethene	14.11	95	617m	0.038	ppbv	
47) cis-1,3-Dichloropropene	0.00		0	N.D.		
48) 4-Methyl-2-pentanone	0.00		0	N.D.		
49) trans-1,3-Dichloropropene	0.00		0	N.D.		
50) Toluene	0.00		0	N.D.	d	
51) 1,1,2-Trichloroethane	0.00		0	N.D.		
52) 2-Hexanone	0.00		0	N.D.	d	
53] Tetrachloroethene	17.51	164	25752	1.949	ppbv	97
54) Dibromochloromethane	0.00		0	N.D.		
55) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
57) Chlorobenzene	0.00		0	N.D.		
58) Ethylbenzene	0.00		0	N.D.	d	
59) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
60) Nonane	0.00		0	N.D.	d	
61) Isopropylbenzene	0.00		0	N.D.	d	
62) 2-Chlorotoluene	0.00		0	N.D.	d	
63) Propylbenzene	0.00		0	N.D.	d	
64) 4-Ethyltoluene	0.00		0	N.D.	d	
65) m,p-Xylene	0.00		0	N.D.	d	
66) o-Xylene	0.00		0	N.D.	d	
67) Styrene	0.00		0	N.D.	d	
68) Bromoform	0.00		0	N.D.		
70) Benzyl chloride	0.00		0	N.D.	d	
71) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
72) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
73) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
74) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
75) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
76) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
77) Naphthalene	0.00		0	N.D.	d	
78) Hexachlorobutadiene	0.00		0	N.D.		

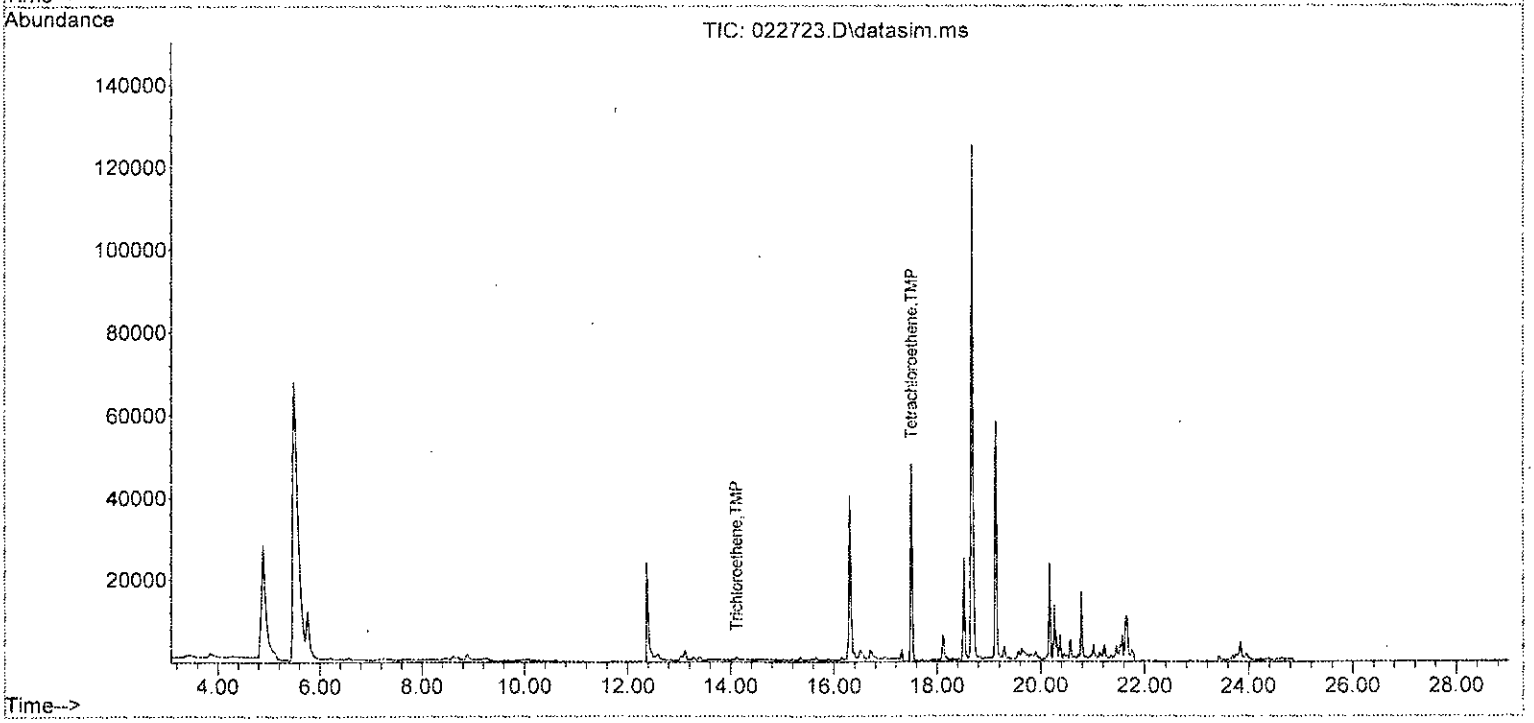
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\Proc_GCMS7\02-27-23\
Data File : 022723.D
Acq On : 28 Feb 2023 2:25 am
Operator : bat
Sample : 302321-08 1/7.5
Misc : T11
ALS Vial : 23 Sample Multiplier: 1
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Quant Time: Mar 01 19:34:57 2023
Quant Method : D:\GCMS7 Methods\0127TO15ss7.M
Quant Title : TO-15 SS method
QLast Update : Mon Jan 30 12:31:56 2023
Response via : Initial Calibration
DataAcq Meth:TO15DC.M





F&B Project 302322

Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

302302 (vp) 302322

SAMPLE CHAIN OF CUSTODY

02/22/23 VW2, Page # 1 of 1

Report To JENIFER MARSALA

Company ANCHOR QEA

Address 1201 3RD AVE #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH @ ANCHOR QEA.COM

SAMPLERS (*signature*) SBS

PROJECT NAME: CARSON CLEANERS

PO #: 217280-01.05

REMARKS

Project specific RLs? - (Yes) No

INVOICE TO: LABDATAATTACH@ANCHOR QEA.COM

TURNAROUND TIME
- [x] Standard turnaround
- [ ] RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- [ ] Archive samples
- [ ] Other
- (Default: Dispose after 30 days)

Sample ID (-GW added per JM 5/12/23 MB)	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	CVOCS				Notes
						ANALYSES REQUESTED											TIER IV EP 3/8
TB-20230222	01 A B	2-22-23	0800	H_2O	2								X				TRIP BLANK
CC-MW-2S-GW-20230222	02 A-C	↓	1555	H_2O	3								X				GROUNDWATER
CC-MW-2D-GW-20230222	03 A-C	2-22-23	1555	H_2O	3								X				GROUNDWATER
	55	2-22-23															

Samples received at 4 °C

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: STEPHEN STRETZ	STEPHEN STRETZ	ANCHOR QEA	2-22-23	1725
Received by:	VIONT	FED	2-22-23 (ND)	1725
Relinquished by:				
Received by:				

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 302322 CLIENT Anchor INITIALS: rw DATE: 2-22-23

If custody seals are present on cooler, are they intact? ☐ NA ☐ YES ☐ NO

Cooler/Sample temperature 4 °C

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive? ☑ Over the Counter
☐ Picked up by F&BI
☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory 0 days

Is there a Chain-of-Custody* (COC)? ☑ YES ☐ NO
*or other representative documents, letters, and/or shipping memos

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☑ Yes	☐ No	# of Containers	☑ Yes	☐ No
Date Sampled	☑ Yes	☐ No	Relinquished	☑ Yes	☐ No
Time Sampled	☑ Yes	☐ No	Requested analysis	☑ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☑ NA ☐ YES ☐ NO

Air Samples: Were any additional canisters received? ☑ NA ☐ YES ☐ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

HT 3/8

Project #: 302322
Client: Anchor
QC Batch ID: 03-2342
Samples checked against COC MD

Date Received: 2/22/23
Date Extracted: [illegible]
Date Analyzed:
GCMS ☐4 ☐11 ☐13, Seq. Date

Analysis Method:
☒ 8260
☐ 8260 SIM
☐ 524.2 SIM
☐ Other

Requested Analytes:
☐ 8260 Normal List
☐ cVOCs
☒ PCE/Daughters
☐ BTEX
☐ BTEX+N
☐ Other

Reporting Units:
☒ µg/L (ppb)
☐ Other

Extraction Method:
☒ 5030

Due Date: 3/1
☒ Historical Data Attached

☐ ve's not Acceptable
☐ Dilutions Not Acceptable for Non-Detects
☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01A	C2				mL	FS		
02	↓					↓		
03	↓					—		
MS MD	↓							302322 MD 2/23/22
01rr	C2					FS		rr for PCE MDL
	M 3/6							

Compounds: / Concentration ug/L (ppb)

2LS →

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
	☒	10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67-148	M	2/23
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK

NOTES: TIER IV

Calculated by M 2/24 M 3/4

Reviewed by 03/07/23 BM

FORMS\LAB\EXTRACT\8260

Rev. 08/12/20

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 02-23-23 @ 5am Technician: MD

QA Batch: **03-0348**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Clean Up (Circle) FL Cu: Silica	Filter	H_2SO_4	Observations
LCS	<2			43mL						
LCSD	↓			↓						
MB	↓			↓						
MD 2/24/23 ~~MS~~				↓						
~~MSD~~										
MD	2/24/23	—	—	—	—	—	—	—	—	—
Initials										

Samples in Batch

302311 -01	302322 -01	302287 -01	↓ -05	
↓ -02	↓ -02	↓ -02	↓ -06	
302318 -01	↓ -03	↓ -03		
↓ -02	302267 -37	↓ -04		

Date/Initials

Matrix Spikes:
8.0 µL of 50 ppm of 8260 LCS/LCSD (Amount / Concentration / Analytes and Solvent) Lot # 08-130A 2/23/23 MD

Matrix Spikes:
_____ µL of _____ ppm of _____ (Amount / Concentration / Analytes and Solvent) Lot #_____ _____

Surrogates:
15 µL of 10 ppm of 8260 IS/SURR (Amount / Concentration / Analytes and Solvent) Lot # 07-148A 2/23/23 MD

Internal Standards:
_____ µL of _____ ppm of _____ (Amount / Concentration / Analytes and Solvent) Lot #_____ _____

Notes: no MS due to system contamination

EPA 8260D
MDLs

Reported MDL Data and Calculations

Analyst fill in all below (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	8260 Cal Std. (50/250 ppm)
Matrix:	Water	Volume spiked:	4.3 uL (60-190a) and 8.6 uL (60-190b), 43 uL (60-190c
Instrument ID:	GCMS #11	Date(s) Extracted:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
Reporting Units:	ug/L	Date(s) Analyzed:	05/04/21, 05/26/21, 08/30/21, 08/31/21, 12/08/21, 12/0
		Date Calculated:	6/3/2021, 09/01/22, 09/24/21, 12/09/21, 12/10/21, 02/2
		Calculation Analyst:	JCM, WE, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.246	0.492	1.230	0.082	0.264	0.200	132
Chloromethane	1.615	3.230	8.074	0.539	5.331	5.000	107
Vinyl chloride	0.018	0.036	0.090	0.006	0.052	0.050	105
Bromomethane	3.116	6.232	15.579	1.039	5.948	5.000	119
Chloroethane	0.143	0.286	0.715	0.048	0.270	0.200	135
Trichlorofluoromethane	0.187	0.374	0.936	0.062	0.223	0.200	112
2-Propanol							
Acetone	4.651	9.301	23.254	1.551	12.835	10.000	128
1,1-Dichloroethene	0.034	0.069	0.172	0.011	0.063	0.050	126
Hexane	0.124	0.248	0.620	0.041	0.244	0.200	122
Methylene chloride	2.640	5.279	13.198	0.880	5.052	5.000	101
t-Butyl alcohol (TBA)	7.869	15.739	39.347	2.625	25.924	25.000	104
Methyl t-butyl ether (MTBE	0.004	0.009	0.022	0.001	0.052	0.050	105
trans-1,2-Dichloroethene	0.035	0.069	0.173	0.012	0.215	0.200	107
Diisopropyl ether (DIPE)	0.049	0.099	0.247	0.017	0.203	0.200	101
1,1-Dichloroethane	0.006	0.012	0.030	0.002	0.024	0.020	121
Ethyl t-butyl ether (ETBE)	0.070	0.141	0.352	0.023	0.204	0.200	102
2,2-Dichloropropane	0.170	0.340	0.849	0.057	0.192	0.200	96
cis-1,2-Dichloroethene	0.016	0.031	0.078	0.005	0.059	0.050	117
Chloroform	0.050	0.100	0.251	0.017	0.214	0.200	107
2-Butanone (MEK)	2.997	5.994	14.985	1.000	11.380	10.000	114
t-Amyl methyl ether (TAME)	0.061	0.123	0.307	0.020	0.201	0.200	101
1,2-Dichloroethane (EDC)	0.051	0.101	0.253	0.017	0.218	0.200	109
1,1,1-Trichloroethane	0.007	0.014	0.035	0.002	0.025	0.020	123
1,1-Dichloropropene	0.122	0.244	0.609	0.041	0.208	0.200	104
Carbon tetrachloride	0.106	0.213	0.531	0.035	0.203	0.200	101
Benzene	0.017	0.034	0.086	0.006	0.027	0.020	137
Trichloroethene	0.045	0.089	0.223	0.015	0.064	0.050	128
1,2-Dichloropropane	0.144	0.288	0.721	0.048	0.213	0.200	107
Bromodichloromethane	0.092	0.184	0.461	0.031	0.202	0.200	101
Dibromomethane	0.090	0.179	0.448	0.030	0.220	0.200	110
4-Methyl-2-pentanone	0.474	0.948	2.371	0.158	0.902	1.000	90
cis-1,3-Dichloropropene	0.095	0.191	0.477	0.032	0.190	0.200	95
Toluene	0.040	0.081	0.201	0.013	0.025	0.020	123
trans-1,3-Dichloropropene	0.123	0.247	0.617	0.041	0.202	0.200	101
1,1,2-Trichloroethane	0.087	0.175	0.437	0.029	0.224	0.200	112
2-Hexanone	2.216	4.433	11.082	0.739	12.030	10.000	120
1,3-Dichloropropane	0.083	0.166	0.416	0.028	0.213	0.200	106
Tetrachloroethene	0.077	0.154	0.385	0.026	0.065	0.050	129
Dibromochloromethane	0.130	0.259	0.648	0.043	0.212	0.200	106
1,2-Dibromoethane (EDB)	0.045	0.089	0.223	0.015	0.213	0.200	106
Chlorobenzene	0.052	0.104	0.259	0.017	0.224	0.200	112
Ethylbenzene	0.025	0.049	0.123	0.008	0.026	0.020	128
1,1,1,2-Tetrachloroethane	0.094	0.188	0.470	0.031	0.212	0.200	106
m,p-Xylene	0.048	0.096	0.241	0.016	0.053	0.040	132
o-Xylene	0.019	0.039	0.097	0.006	0.026	0.020	128
Styrene	0.071	0.142	0.354	0.024	0.203	0.200	101
Isopropylbenzene	0.071	0.141	0.353	0.024	0.196	0.200	98
Bromoform	0.125	0.251	0.627	0.042	0.202	0.200	101
n-Propylbenzene	0.094	0.189	0.472	0.031	0.219	0.200	110
Bromobenzene	0.076	0.153	0.382	0.025	0.233	0.200	116
1,3,5-Trimethylbenzene	0.080	0.160	0.399	0.027	0.192	0.200	96
1,1,2,2-Tetrachloroethane	0.095	0.191	0.477	0.032	0.218	0.200	109
1,2,3-Trichloropropane	0.068	0.136	0.340	0.023	0.253	0.200	126
2-Chlorotoluene	0.096	0.193	0.482	0.032	0.227	0.200	113
4-Chlorotoluene	0.082	0.164	0.409	0.027	0.219	0.200	109
tert-Butylbenzene	0.076	0.153	0.382	0.025	0.205	0.200	103
1,2,4-Trimethylbenzene	0.074	0.148	0.370	0.025	0.187	0.200	94
sec-Butylbenzene	0.090	0.180	0.449	0.030	0.195	0.200	98
p-Isopropyltoluene	0.081	0.161	0.404	0.027	0.199	0.200	100
1,3-Dichlorobenzene	0.099	0.197	0.493	0.033	0.224	0.200	112
1,4-Dichlorobenzene	0.088	0.176	0.440	0.029	0.238	0.200	119
1,2-Dichlorobenzene	0.094	0.189	0.472	0.032	0.219	0.200	110
1,2-Dibromo-3-chloropropane	0.595	1.190	2.974	0.198	4.792	5.000	96
1,2,4-Trichlorobenzene	0.134	0.269	0.672	0.045	0.219	0.200	110
Hexachlorobutadiene	0.158	0.315	0.788	0.053	0.227	0.200	113
Naphthalene	0.195	0.390	0.974	0.065	0.237	0.200	119
1,2,3-Trichlorobenzene	0.114	0.228	0.569	0.038	0.208	0.200	104

Reported MDL Data and Calculations **Analyst fill in all below** (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
Matrix:	Water	Volume spiked:	4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
Instrument ID:	GCMS #13	Date(s) Extracted:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21,12/08
Reporting Units:	ug/L	Date(s) Analyzed:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/0
		Date Calculated:	06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/1
		Calculation Analyst:	JCM, WE, AEN, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS13\sequence\02-14-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\02-14-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	021401	VM080322	rinse
2)	Sample	100	021402	VM080322	rinse
3)	Sample	1	021403	VM080322	10 ppb 8260 CCV 67-97N
4)	Sample	2	021404	VM080322	10 ppb 8260 CCV 68-127N
5)	Sample	100	021405	VM080322	rinse
6)	Sample	100	021406	VM080322	rinse
7)	Sample	100	021407	VM080322	rinse
8)	Sample	100	021408	VM080322	rinse
9)	Sample	3	021409	VM080322	0.02 ppb test
10)	Sample	100	021410	VM080322	50 ng BFB 67-152A
11)	Sample	100	021411	VM080322	rinse
12)	Sample	100	021412	VM080322	rinse
13)	Sample	100	021413	VM080322	rinse
14)	Sample	100	021414	VM080322	rinse
15)	Sample	100	021415	VM080322	rinse
16)	Sample	4	021416	VM080322	0.02 ppb 8260 CCV 68-127F
17)	Sample	5	021417	VM080322	0.04 ppb 8260 CCV 68-127G
18)	Sample	6	021418	VM080322	0.1 ppb 8260 CCV 68-127H
19)	Sample	7	021419	VM080322	0.2 ppb 8260 CCV 68-127I
20)	Sample	8	021420	VM080322	0.5 ppb 8260 CCV 68-127J
21)	Sample	9	021421	VM080322	1 ppb 8260 CCV 68-127K
22)	Sample	10	021422	VM080322	2 ppb 8260 CCV 68-127L
23)	Sample	11	021423	VM080322	5 ppb 8260 CCV 68-127M
24)	Sample	12	021424	VM080322	10 ppb 8260 CCV 68-127N
25)	Sample	13	021425	VM080322	20 ppb 8260 CCV 68-127O
26)	Sample	14	021426	VM080322	50 ppb 8260 CCV 68-127Q
27)	Sample	15	021427	VM080322	100 ppb 8260 CCV 68-127S
28)	Sample	16	021428	VM080322	150 ppb 8260 CCV 68-127T
29)	Sample	17	021429	VM080322	200 ppb 8260 CCV 68-127U
30)	Sample	18	021430	VM080322	rinse vial
31)	Sample	19	021431	VM080322	10 ppb 8260 SCV 68-134A
32)	Sample	100	021432	VM080322	rinse
33)	Sample	100	021433	VM080322	rinse
34)	Sample	100	021434	VM080322	rinse

Injection Log

Data Directory: U:\GCMS13\GCMS13_Data\02-14-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 021401.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:21 am
2) 021402.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:44 am
3) 021403.D	VM080322.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	14 Feb 2023 06:07 am
4) 021404.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	2	1.000	14 Feb 2023 07:46 am
5) 021405.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:22 am
6) 021406.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:44 am
7) 021407.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 12:07 pm
8) 021408.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 01:06 pm
9) 021409.D	VM080322.M			
0.02 ppb test	soil/water	3	1.000	14 Feb 2023 01:40 pm
10) 021410.D	VM080322.M			
[redacted]	direct inject	100	1.000	14 Feb 2023 02:17 pm
11) 021411.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 02:55 pm
12) 021412.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:18 pm
13) 021413.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:41 pm
14) 021414.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:04 pm
15) 021415.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:27 pm
16) 021416.D	VM080322.M			
0.02 ppb 8260 CCV ..	Soil/water	4	1.000	14 Feb 2023 04:51 pm
17) 021417.D	VM080322.M			
0.04 ppb 8260 CCV ..	Soil/water	5	1.000	14 Feb 2023 05:14 pm
18) 021418.D	VM080322.M			
0.1 ppb 8260 CCV 6..	Soil/water	6	1.000	14 Feb 2023 05:37 pm
19) 021419.D	VM080322.M			
0.2 ppb 8260 CCV 6..	Soil/water	7	1.000	14 Feb 2023 06:01 pm
20) 021420.D	VM080322.M			
0.5 ppb 8260 CCV 6..	Soil/water	8	1.000	14 Feb 2023 06:24 pm
21) 021421.D	VM080322.M			

1 ppb 8260 CCV 68-..	Soil/water	9	1.000	14 Feb 2023	06:47 pm
22) 021422.D	VM080322.M				
2 ppb 8260 CCV 68-..	Soil/water	10	1.000	14 Feb 2023	07:10 pm
23) 021423.D	VM080322.M				
5 ppb 8260 CCV 68-..	Soil/water	11	1.000	14 Feb 2023	07:33 pm
24) 021424.D	VM080322.M				
10 ppb 8260 CCV 68..	Soil/water	12	1.000	14 Feb 2023	07:56 pm
25) 021425.D	VM080322.M				
20 ppb 8260 CCV 68..	Soil/water	13	1.000	14 Feb 2023	08:20 pm
26) 021426.D	VM080322.M				
50 ppb 8260 CCV 68..	Soil/water	14	1.000	14 Feb 2023	08:43 pm
27) 021427.D	VM080322.M				
100 ppb 8260 CCV 6..	Soil/water	15	1.000	14 Feb 2023	09:06 pm
28) 021428.D	VM080322.M				
150 ppb 8260 CCV 6..	Soil/water	16	1.000	14 Feb 2023	09:29 pm
29) 021429.D	VM080322.M				
200 ppb 8260 CCV ..	Soil/water	17	1.000	14 Feb 2023	09:53 pm
30) 021430.D	VM080322.M				
rinse vial	Soil/water	18	1.000	14 Feb 2023	10:16 pm
31) 021431.D	VM080322.M				
10 ppb 8260 SCV 68..	Soil/water	19	1.000	14 Feb 2023	10:39 pm
32) 021432.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:02 pm
33) 021433.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:25 pm
34) 021434.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:48 pm

Sequence Name: D:\GCMS11\sequence\02-22-23.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\02-22-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022201	VM080522	rinse
2)	Sample	1	022202	VM080522	10 ppb 8260 CCV 67-97N
3)	Sample	100	022203	VM080522	rinse
4)	Sample	100	022204	VM080522	50 ng BFB 67-152A
5)	Sample	100	022205	VM080522	50 ng BFB 67-152A
6)	Sample	100	022206	VM080522	rinse
7)	Sample	100	022207	VM080522	rinse
8)	Sample	100	022208	VM080522	rinse
9)	Sample	100	022209	VM080522	rinse
10)	Sample	100	022210	VM080522	rinse
11)	Sample	100	022211	VM080522	rinse
12)	Sample	100	022212	VM080522	rinse
13)	Sample	2	022213	VM080522	0.02 ppb 8260 CCV 68-136F
14)	Sample	3	022214	VM080522	0.04 ppb 8260 CCV68-136G
15)	Sample	4	022215	VM080522	0.1 ppb 8260 CCV 68-136H
16)	Sample	5	022216	VM080522	0.2 ppb 8260 CCV 68-136I
17)	Sample	6	022217	VM080522	0.5 ppb 8260 CCV 68-136J
18)	Sample	7	022218	VM080522	1 ppb 8260 CCV 68-136K
19)	Sample	8	022219	VM080522	2 ppb 8260 CCV 68-136L
20)	Sample	9	022220	VM080522	5 ppb 8260 CCV 68-136M
21)	Sample	10	022221	VM080522	10 ppb 8260 CCV 68-136N
22)	Sample	11	022222	VM080522	20 ppb 8260 CCV 68-136O
23)	Sample	12	022223	VM080522	50 ppb 8260 CCV 68-136Q
24)	Sample	13	022224	VM080522	100 ppb 8260 CCV 68-136S
25)	Sample	14	022225	VM080522	150 ppb 8260 CCV 68-136T
26)	Sample	15	022226	VM080522	200 ppb 8260 CCV 68-136U
27)	Sample	16	022227	VM080522	rinse
28)	Sample	17	022228	VM080522	10 ppb 8260 SCV 68-134C
29)	Sample	100	022229	VM080522	rinse
30)	Sample	100	022230	VM080522	rinse
31)	Sample	100	022231	VM080522	rinse
32)	Sample	100	022232	VM080522	rinse

Injection Log

Data Directory: Y:\Proc_GCMS11\02-22-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022203.D	VM080522.M			
No data found			0.000	N/A
2) 022201.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 05:13 am
3) 022202.D	VM080522.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	22 Feb 2023 05:35 am
4) 022204.D	VM080522.M			
50 ng BFB 67-152A	direct inj	100	1.000	22 Feb 2023 01:03 pm
5) 022205.D	VM080522.M			
50 ng BFB 67-152A	direct inj	100	1.000	22 Feb 2023 01:47 pm
6) 022206.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 02:20 pm
7) 022207.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 02:43 pm
8) 022208.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:05 pm
9) 022209.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:27 pm
10) 022210.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 03:49 pm
11) 022211.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 04:11 pm
12) 022212.D	VM080522.M			
rinse	soil/water	100	1.000	22 Feb 2023 04:33 pm
13) 022213.D	VM080522.M			
0.02 ppb 8260 CCV ..	soil/water	2	1.000	22 Feb 2023 04:56 pm
14) 022214.D	VM080522.M			
0.04 ppb 8260 CCV6..	soil/water	3	1.000	22 Feb 2023 05:18 pm
15) 022215.D	VM080522.M			
0.1 ppb 8260 CCV 6..	soil/water	4	1.000	22 Feb 2023 05:41 pm
16) 022216.D	VM080522.M			
0.2 ppb 8260 CCV 6..	soil/water	5	1.000	22 Feb 2023 06:03 pm
17) 022217.D	VM080522.M			
0.5 ppb 8260 CCV 6..	soil/water	6	1.000	22 Feb 2023 06:25 pm
18) 022218.D	VM080522.M			
1 ppb 8260 CCV 68-..	soil/water	7	1.000	22 Feb 2023 06:48 pm
19) 022219.D	VM080522.M			
2 ppb 8260 CCV 68-..	soil/water	8	1.000	22 Feb 2023 07:11 pm
20) 022220.D	VM080522.M			
5 ppb 8260 CCV 68-..	soil/water	9	1.000	22 Feb 2023 07:33 pm
21) 022221.D	VM080522.M			

10 ppb 8260 CCV 68..	soil/water	10	1.000	22 Feb 2023	07:55 pm
22) 022222.D	VM080522.M				
20 ppb 8260 CCV 68..	soil/water	11	1.000	22 Feb 2023	08:18 pm
23) 022223.D	VM080522.M				
50 ppb 8260 CCV 68..	soil/water	12	1.000	22 Feb 2023	08:40 pm
24) 022224.D	VM080522.M				
100 ppb 8260 CCV 6..	soil/water	13	1.000	22 Feb 2023	09:03 pm
25) 022225.D	VM080522.M				
150 ppb 8260 CCV 6..	soil/water	14	1.000	22 Feb 2023	09:25 pm
26) 022226.D	VM080522.M				
200 ppb 8260 CCV 6..	soil/water	15	1.000	22 Feb 2023	09:48 pm
27) 022227.D	VM080522.M				
rinse	soil/water	16	1.000	22 Feb 2023	10:10 pm
28) 022228.D	VM080522.M				
10 ppb 8260 SCV 68..	soil/water	17	1.000	22 Feb 2023	10:32 pm
29) 022229.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	10:54 pm
30) 022230.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	11:16 pm
31) 022231.D	VM080522.M				
rinse	soil/water	100	1.000	22 Feb 2023	11:39 pm
32) 022232.D	VM080522.M				
rinse	soil/water	100	1.000	23 Feb 2023	12:01 am

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Sequence Name: D:\GCMS11\sequence\02-23-23.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\02-23-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022301	VM080522	rinse
2)	Sample	1	022302	VM080522	10 ppb 8260 CCV 67-97N
3)	Sample	100	022303	VM080522	rinse
4)	Sample	2	022304	VM080522	302287-01 1/200
5)	Sample	3	022305	VM080522	302287-02 1/200
6)	Sample	4	022306	VM080522	302287-03 1/200
7)	Sample	5	022307	VM080522	302287-04 1/200
8)	Sample	6	022308	VM080522	302287-05 1/200
9)	Sample	7	022309	VM080522	302287-06 1/200
10)	Sample	8	022310	VM080522	10 ppb 8260 CCV 67-136N
11)	Sample	100	022311	VM080522	rinse
12)	Sample	9	022312	VM080522	302318-01
13)	Sample	10	022313	VM080522	302318-02
14)	Sample	11	022314	VM080522	03-0349 lcs
15)	Sample	12	022315	VM080522	03-0349 lcsd
16)	Sample	13	022316	VM080522	302266-10 ms
17)	Sample	14	022317	VM080522	302266-10 msd
18)	Sample	100	022318	VM080522	rinse
19)	Sample	15	022319	VM080522	03-0349 mb
20)	Sample	16	022320	VM080522	302266-29 rx
21)	Sample	17	022321	VM080522	302266-01
22)	Sample	18	022322	VM080522	302266-02
23)	Sample	19	022323	VM080522	302266-10
24)	Sample	20	022324	VM080522	302266-11
25)	Sample	21	022325	VM080522	302322-01
26)	Sample	22	022326	VM080522	302322-02
27)	Sample	23	022327	VM080522	302322-03
28)	Sample	24	022328	VM080522	302267-37
29)	Sample	100	022329	VM080522	rinse
30)	Sample	25	022330	VM080522	302287-01
31)	Sample	26	022331	VM080522	302287-02
32)	Sample	27	022332	VM080522	302287-03
33)	Sample	28	022333	VM080522	302287-04
34)	Sample	29	022334	VM080522	302287-05
35)	Sample	30	022335	VM080522	302287-06
36)	Sample	31	022336	VM080522	302311-01 1/200
37)	Sample	32	022337	VM080522	302311-02 1/200
38)	Sample	100	022338	VM080522	rinse
39)	Sample	100	022339	VM080522	rinse
40)	Sample	100	022340	VM080522	rinse
41)	Sample	100	022341	VM080522	rinse

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Last Modified: Thu Feb 23 08:57:40 2023

Injection Log

Data Directory: Y:\Proc_GCMS11\02-23-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022301.D	VM080522.M			
rinse	soil/water	100	1.000	23 Feb 2023 05:32 am
2) 022302.D	VM080522.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	23 Feb 2023 05:55 am
3) 022303.D	VM080522.M			
rinse	soil/water	100	1.000	23 Feb 2023 09:07 am
4) 022304.D	VM080522.M			
302287-01 1/200	WATER	2	1.000	23 Feb 2023 09:29 am
5) 022305.D	VM080522.M			
302287-02 1/200	WATER	3	1.000	23 Feb 2023 09:52 am
6) 022306.D	VM080522.M			
302287-03 1/200	WATER	4	1.000	23 Feb 2023 10:14 am
7) 022307.D	VM080522.M			
302287-04 1/200	WATER	5	1.000	23 Feb 2023 10:37 am
8) 022308.D	VM080522.M			
302287-05 1/200	WATER	6	1.000	23 Feb 2023 10:59 am
9) 022309.D	VM080522.M			
302287-06 1/200	WATER	7	1.000	23 Feb 2023 11:22 am
10) 022310.D	VM080522.M			
10 ppb 8260 CCV 67..	water/soil	8	1.000	23 Feb 2023 11:44 am
11) 022311.D	VM080522.M			
rinse	water	100	1.000	23 Feb 2023 12:11 pm
12) 022312.D	VM080522.M			
302318-01	water	9	1.000	23 Feb 2023 12:34 pm
13) 022313.D	VM080522.M			
302318-02	water	10	1.000	23 Feb 2023 12:57 pm
14) 022314.D	VM080522.M			
03-0349 lcs	water	11	1.000	23 Feb 2023 01:19 pm
15) 022315.D	VM080522.M			
03-0349 lcsd	water	12	1.000	23 Feb 2023 01:41 pm
16) 022316.D	VM080522.M			
302266-10 ms	water	13	1.000	23 Feb 2023 02:04 pm
17) 022317.D	VM080522.M			
302266-10 msd	water	14	1.000	23 Feb 2023 02:26 pm
18) 022318.D	VM080522.M			
rinse	water	100	1.000	23 Feb 2023 02:49 pm
19) 022319.D	VM080522.M			
03-0349 mb	water	15	1.000	23 Feb 2023 03:12 pm
20) 022320.D	VM080522.M			
302266-29 rx	water	16	1.000	23 Feb 2023 03:34 pm
21) 022321.D	VM080522.M			

302266-01 rx	water		17	1.000	23 Feb 2023	03:57 pm
22) 022322.D		VM080522.M				
302266-02 rx	water		18	1.000	23 Feb 2023	04:19 pm
23) 022323.D		VM080522.M				
302266-10 rx	water		19	1.000	23 Feb 2023	04:41 pm
24) 022324.D		VM080522.M				
302266-11 rx	water		20	1.000	23 Feb 2023	05:04 pm
25) 022325.D		VM080522.M				
302322-01	water		21	1.000	23 Feb 2023	05:26 pm
26) 022326.D		VM080522.M				
302322-02	water		22	1.000	23 Feb 2023	05:49 pm
27) 022327.D		VM080522.M				
302322-03	water		23	1.000	23 Feb 2023	06:11 pm
28) 022328.D		VM080522.M				
302267-37	water		24	1.000	23 Feb 2023	06:33 pm
29) 022329.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	06:55 pm
30) 022330.D		VM080522.M				
302287-01	water		25	1.000	23 Feb 2023	07:18 pm
31) 022331.D		VM080522.M				
302287-02	water		26	1.000	23 Feb 2023	07:40 pm
32) 022332.D		VM080522.M				
302287-03	water		27	1.000	23 Feb 2023	08:02 pm
33) 022333.D		VM080522.M				
302287-04	water		28	1.000	23 Feb 2023	08:25 pm
34) 022334.D		VM080522.M				
302287-05	water		29	1.000	23 Feb 2023	08:47 pm
35) 022335.D		VM080522.M				
302287-06	water		30	1.000	23 Feb 2023	09:10 pm
36) 022336.D		VM080522.M				
302311-01 1/200	water		31	1.000	23 Feb 2023	09:32 pm
37) 022337.D		VM080522.M				
302311-02 1/200	water		32	1.000	23 Feb 2023	09:54 pm
38) 022338.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	10:17 pm
39) 022339.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	10:39 pm
40) 022340.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	11:01 pm
41) 022341.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	11:23 pm

Sequence Name: D:\GCMS13\sequence\02-23-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\02-23-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022301	VM080322	rinse
2)	Sample	100	022302	VM080322	rinse
3)	Sample	1	022303	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	022304	VM080322	03-0348 lcs
5)	Sample	3	022305	VM080322	03-0348 lcsd
6)	Sample	100	022306	VM080322	rinse
7)	Sample	4	022307	VM080322	03-0348 mb
8)	Sample	5	022308	VM080322	10 ppb 8260 CCV 68-136N
9)	Sample	6	022309	VM080322	03-0348 lcs rr
10)	Sample	7	022310	VM080322	03-0348 lcsd rr
11)	Sample	100	022311	VM080322	rinse
12)	Sample	8	022312	VM080322	03-0348 mb rr
13)	Sample	9	022313	VM080322	302311-01
14)	Sample	10	022314	VM080322	302311-02
15)	Sample	100	022315	VM080322	rinse
16)	Sample	100	022316	VM080322	rinse
17)	Sample	100	022317	VM080322	rinse
18)	Sample	100	022318	VM080322	rinse
19)	Sample	100	022319	VM080322	rinse
20)	Sample	100	022320	VM080322	rinse
21)	Sample	100	022321	VM080322	rinse
22)	Sample	100	022322	VM080322	rinse
23)	Sample	100	022323	VM080322	rinse
24)	Sample	100	022324	VM080322	rinse
25)	Sample	100	022325	VM080322	rinse
26)	Sample	100	022326	VM080322	rinse
27)	Sample	100	022327	VM080322	rinse
28)	Sample	100	022328	VM080322	rinse
29)	Sample	100	022329	VM080322	rinse
30)	Sample	100	022330	VM080322	rinse
31)	Sample	100	022331	VM080322	rinse
32)	Sample	100	022332	VM080322	rinse

sequence terminated
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Injection Log

Data Directory: Y:\Proc_GCMS13\02-23-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022301.D	VM080322.M			
rinse		100	1.000	23 Feb 2023 05:30 am
2) 022302.D	VM080322.M			
rinse		100	1.000	23 Feb 2023 05:53 am
3) 022303.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	23 Feb 2023 06:16 am
4) 022304.D	VM080322.M			
03-0348 lcs	water	2	1.000	23 Feb 2023 06:40 am
5) 022305.D	VM080322.M			
03-0348 lcsd	water	3	1.000	23 Feb 2023 07:03 am
6) 022306.D	VM080322.M			
rinse		100	1.000	23 Feb 2023 07:26 am
7) 022307.D	VM080322.M			
03-0348 mb	water	4	1.000	23 Feb 2023 07:49 am
8) 022308.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	5	1.000	23 Feb 2023 08:12 am
9) 022309.D	VM080322.M			
03-0348 lcs rr	water	6	1.000	23 Feb 2023 08:35 am
10) 022310.D	VM080322.M			
03-0348 lcsd rr	water	7	1.000	23 Feb 2023 08:59 am
11) 022311.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 09:21 am
12) 022312.D	VM080322.M			
03-0348 mb rr	water	8	1.000	23 Feb 2023 09:44 am
13) 022313.D	VM080322.M			
302311-01	water	9	1.000	23 Feb 2023 10:07 am
14) 022314.D	VM080322.M			
302311-02	water	10	1.000	23 Feb 2023 10:31 am
15) 022315.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 10:54 am
16) 022316.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 11:17 am
17) 022317.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 11:39 am
18) 022318.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 12:39 pm
19) 022319.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 01:02 pm
20) 022320.D	VM080322.M			
rinse	water	100	1.000	23 Feb 2023 01:25 pm
21) 022321.D	VM080322.M			

rinse	water		100	1.000	23 Feb 2023	02:07 pm
22) 022322.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	02:29 pm
23) 022323.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	02:52 pm
24) 022324.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	03:15 pm
25) 022325.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	03:38 pm
26) 022326.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	04:01 pm
27) 022327.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	04:24 pm
28) 022328.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	04:47 pm
29) 022329.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	05:10 pm
30) 022330.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	05:33 pm
31) 022331.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	05:56 pm
32) 022332.D		VM080322.M				
rinse	water		100	1.000	23 Feb 2023	06:18 pm

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Sequence Name: D:\GCMS11\sequence\02-23-23.sequence.xml
Comment:
Operator: LM
Data Path: D:\GCMS11\GCMS11_Data\02-23-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	022301	VM080522	rinse
2)	Sample	1	022302	VM080522	10 ppb 8260 CCV 67-97N
3)	Sample	100	022303	VM080522	rinse
4)	Sample	2	022304	VM080522	302287-01 1/200
5)	Sample	3	022305	VM080522	302287-02 1/200
6)	Sample	4	022306	VM080522	302287-03 1/200
7)	Sample	5	022307	VM080522	302287-04 1/200
8)	Sample	6	022308	VM080522	302287-05 1/200
9)	Sample	7	022309	VM080522	302287-06 1/200
10)	Sample	8	022310	VM080522	10 ppb 8260 CCV 67-136N
11)	Sample	100	022311	VM080522	rinse
12)	Sample	9	022312	VM080522	302318-01
13)	Sample	10	022313	VM080522	302318-02
14)	Sample	11	022314	VM080522	03-0349 lcs
15)	Sample	12	022315	VM080522	03-0349 lcsd
16)	Sample	13	022316	VM080522	302266-10 ms
17)	Sample	14	022317	VM080522	302266-10 msd
18)	Sample	100	022318	VM080522	rinse
19)	Sample	15	022319	VM080522	03-0349 mb
20)	Sample	16	022320	VM080522	302266-29 rx
21)	Sample	17	022321	VM080522	302266-01
22)	Sample	18	022322	VM080522	302266-02
23)	Sample	19	022323	VM080522	302266-10
24)	Sample	20	022324	VM080522	302266-11
25)	Sample	21	022325	VM080522	302322-01
26)	Sample	22	022326	VM080522	302322-02
27)	Sample	23	022327	VM080522	302322-03
28)	Sample	24	022328	VM080522	302267-37
29)	Sample	100	022329	VM080522	rinse
30)	Sample	25	022330	VM080522	302287-01
31)	Sample	26	022331	VM080522	302287-02
32)	Sample	27	022332	VM080522	302287-03
33)	Sample	28	022333	VM080522	302287-04
34)	Sample	29	022334	VM080522	302287-05
35)	Sample	30	022335	VM080522	302287-06
36)	Sample	31	022336	VM080522	302311-01 1/200
37)	Sample	32	022337	VM080522	302311-02 1/200
38)	Sample	100	022338	VM080522	rinse
39)	Sample	100	022339	VM080522	rinse
40)	Sample	100	022340	VM080522	rinse
41)	Sample	100	022341	VM080522	rinse

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Last Modified: Thu Feb 23 08:57:40 2023

Injection Log

Data Directory: Y:\Proc_GCMS11\02-23-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 022301.D	VM080522.M			
rinse	soil/water	100	1.000	23 Feb 2023 05:32 am
2) 022302.D	VM080522.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	23 Feb 2023 05:55 am
3) 022303.D	VM080522.M			
rinse	soil/water	100	1.000	23 Feb 2023 09:07 am
4) 022304.D	VM080522.M			
302287-01 1/200	WATER	2	1.000	23 Feb 2023 09:29 am
5) 022305.D	VM080522.M			
302287-02 1/200	WATER	3	1.000	23 Feb 2023 09:52 am
6) 022306.D	VM080522.M			
302287-03 1/200	WATER	4	1.000	23 Feb 2023 10:14 am
7) 022307.D	VM080522.M			
302287-04 1/200	WATER	5	1.000	23 Feb 2023 10:37 am
8) 022308.D	VM080522.M			
302287-05 1/200	WATER	6	1.000	23 Feb 2023 10:59 am
9) 022309.D	VM080522.M			
302287-06 1/200	WATER	7	1.000	23 Feb 2023 11:22 am
10) 022310.D	VM080522.M			
10 ppb 8260 CCV 67..	water/soil	8	1.000	23 Feb 2023 11:44 am
11) 022311.D	VM080522.M			
rinse	water	100	1.000	23 Feb 2023 12:11 pm
12) 022312.D	VM080522.M			
302318-01	water	9	1.000	23 Feb 2023 12:34 pm
13) 022313.D	VM080522.M			
302318-02	water	10	1.000	23 Feb 2023 12:57 pm
14) 022314.D	VM080522.M			
03-0349 lcs	water	11	1.000	23 Feb 2023 01:19 pm
15) 022315.D	VM080522.M			
03-0349 lcsd	water	12	1.000	23 Feb 2023 01:41 pm
16) 022316.D	VM080522.M			
302266-10 ms	water	13	1.000	23 Feb 2023 02:04 pm
17) 022317.D	VM080522.M			
302266-10 msd	water	14	1.000	23 Feb 2023 02:26 pm
18) 022318.D	VM080522.M			
rinse	water	100	1.000	23 Feb 2023 02:49 pm
19) 022319.D	VM080522.M			
03-0349 mb	water	15	1.000	23 Feb 2023 03:12 pm
20) 022320.D	VM080522.M			
302266-29 rx	water	16	1.000	23 Feb 2023 03:34 pm
21) 022321.D	VM080522.M			

302266-01 rx	water		17	1.000	23 Feb 2023	03:57 pm
22) 022322.D		VM080522.M				
302266-02 rx	water		18	1.000	23 Feb 2023	04:19 pm
23) 022323.D		VM080522.M				
302266-10 rx	water		19	1.000	23 Feb 2023	04:41 pm
24) 022324.D		VM080522.M				
302266-11 rx	water		20	1.000	23 Feb 2023	05:04 pm
25) 022325.D		VM080522.M				
302322-01	water		21	1.000	23 Feb 2023	05:26 pm
26) 022326.D		VM080522.M				
302322-02	water		22	1.000	23 Feb 2023	05:49 pm
27) 022327.D		VM080522.M				
302322-03	water		23	1.000	23 Feb 2023	06:11 pm
28) 022328.D		VM080522.M				
302267-37	water		24	1.000	23 Feb 2023	06:33 pm
29) 022329.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	06:55 pm
30) 022330.D		VM080522.M				
302287-01	water		25	1.000	23 Feb 2023	07:18 pm
31) 022331.D		VM080522.M				
302287-02	water		26	1.000	23 Feb 2023	07:40 pm
32) 022332.D		VM080522.M				
302287-03	water		27	1.000	23 Feb 2023	08:02 pm
33) 022333.D		VM080522.M				
302287-04	water		28	1.000	23 Feb 2023	08:25 pm
34) 022334.D		VM080522.M				
302287-05	water		29	1.000	23 Feb 2023	08:47 pm
35) 022335.D		VM080522.M				
302287-06	water		30	1.000	23 Feb 2023	09:10 pm
36) 022336.D		VM080522.M				
302311-01 1/200	water		31	1.000	23 Feb 2023	09:32 pm
37) 022337.D		VM080522.M				
302311-02 1/200	water		32	1.000	23 Feb 2023	09:54 pm
38) 022338.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	10:17 pm
39) 022339.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	10:39 pm
40) 022340.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	11:01 pm
41) 022341.D		VM080522.M				
rinse	water		100	1.000	23 Feb 2023	11:23 pm

Sequence Name: D:\GCMS13\sequence\03-06-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\03-06-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

B317

Method Sections To Run	Sequence Barcode Options
(X) Full Method	( ) On Mismatch, Inject Anyway
( ) Reprocessing Only	( ) On Mismatch, Don't Inject
	(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	030601	VM080322	rinse
2)	Sample	100	030602	VM080322	rinse
3)	Sample	1	030603	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	030604	VM080322	03-0373 lcs
5)	Sample	3	030605	VM080322	03-0373 lcsd
6)	Sample	100	030606	VM080322	rinse
7)	Sample	4	030607	VM080322	03-0373 mb
8)	Sample	5	030608	VM080322	03-0372 mb 1/0.25
9)	Sample	100	030609	VM080322	rinse
10)	Sample	100	030610	VM080322	rinse
11)	Sample	100	030611	VM080322	rinse
12)	Sample	100	030612	VM080322	rinse
13)	Sample	100	030613	VM080322	rinse
14)	Sample	100	030614	VM080322	rinse
15)	Sample	100	030615	VM080322	rinse
16)	Sample	6	030616	VM080322	10 ppb 8260 CCV 68-136N
17)	Sample	100	030617	VM080322	rinse
18)	Sample	100	030618	VM080322	rinse
19)	Sample	100	030619	VM080322	rinse
20)	Sample	100	030620	VM080322	rinse
21)	Sample	7	030621	VM080322	03-0348 mb rr
22)	Sample	8	030622	VM080322	03-0353 mb rr
23)	Sample	9	030623	VM080322	302322-01 rr
24)	Sample	10	030624	VM080322	302300-09 rr
25)	Sample	11	030625	VM080322	302330-03 rr
26)	Sample	12	030626	VM080322	302330-09 rr
27)	Sample	13	030627	VM080322	302300-07 rr
28)	Sample	14	030628	VM080322	302300-05 1/10
29)	Sample	15	030629	VM080322	303038-02 ms
30)	Sample	100	030630	VM080322	rinse
31)	Sample	16	030631	VM080322	303038-11
32)	Sample	17	030632	VM080322	303038-01
33)	Sample	18	030633	VM080322	303038-02
34)	Sample	19	030634	VM080322	303038-03
35)	Sample	20	030635	VM080322	303038-05
36)	Sample	21	030636	VM080322	303038-06
37)	Sample	22	030637	VM080322	303038-07
38)	Sample	23	030638	VM080322	303038-08
39)	Sample	24	030639	VM080322	303038-04 1/10
40)	Sample	100	030640	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\03-06-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 030601.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 05:13 am
2) 030602.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 05:36 am
3) 030603.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	06 Mar 2023 05:59 am
4) 030604.D	VM080322.M			
03-0373 lcs	water	2	1.000	06 Mar 2023 06:22 am
5) 030605.D	VM080322.M			
03-0373 lcsd	water	3	1.000	06 Mar 2023 06:45 am
6) 030606.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 07:09 am
7) 030607.D	VM080322.M			
03-0373 mb	water	4	1.000	06 Mar 2023 07:32 am
8) 030608.D	VM080322.M			
03-0372 mb 1/0.25	soil	5	1.000	06 Mar 2023 07:55 am
9) 030609.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 10:39 am
10) 030610.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 11:01 am
11) 030611.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 11:24 am
12) 030612.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:19 pm
13) 030613.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:36 pm
14) 030614.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 12:59 pm
15) 030615.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 01:22 pm
16) 030616.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	6	1.000	06 Mar 2023 01:45 pm
17) 030617.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:08 pm
18) 030618.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:30 pm
19) 030619.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 02:53 pm
20) 030620.D	VM080322.M			
rinse		100	1.000	06 Mar 2023 03:16 pm
21) 030621.D	VM080322.M			

03-0348 mb rr	water		7	1.000	06 Mar 2023	03:31 pm
22) 030622.D		VM080322.M				
03-0353 mb rr	water		8	1.000	06 Mar 2023	04:02 pm
23) 030623.D		VM080322.M				
302322-01 rr	water		9	1.000	06 Mar 2023	04:25 pm
24) 030624.D		VM080322.M				
302300-09 rr	water		10	1.000	06 Mar 2023	04:48 pm
25) 030625.D		VM080322.M				
302330-03 rr	water		11	1.000	06 Mar 2023	05:11 pm
26) 030626.D		VM080322.M				
302330-09 rr	water		12	1.000	06 Mar 2023	05:35 pm
27) 030627.D		VM080322.M				
302300-07 rr	water		13	1.000	06 Mar 2023	05:58 pm
28) 030628.D		VM080322.M				
302300-05 1/10	water		14	1.000	06 Mar 2023	06:21 pm
29) 030629.D		VM080322.M				
303038-02 ms	water		15	1.000	06 Mar 2023	06:44 pm
30) 030630.D		VM080322.M				
rinse	water		100	1.000	06 Mar 2023	07:07 pm
31) 030631.D		VM080322.M				
303038-11	water		16	1.000	06 Mar 2023	07:30 pm
32) 030632.D		VM080322.M				
303038-01	water		17	1.000	06 Mar 2023	07:53 pm
33) 030633.D		VM080322.M				
303038-02	water		18	1.000	06 Mar 2023	08:16 pm
34) 030634.D		VM080322.M				
303038-03	water		19	1.000	06 Mar 2023	08:39 pm
35) 030635.D		VM080322.M				
303038-05	water		20	1.000	06 Mar 2023	09:02 pm
36) 030636.D		VM080322.M				
303038-06	water		21	1.000	06 Mar 2023	09:25 pm
37) 030637.D		VM080322.M				
303038-07	water		22	1.000	06 Mar 2023	09:48 pm
38) 030638.D		VM080322.M				
303038-08	water		23	1.000	06 Mar 2023	10:11 pm
39) 030639.D		VM080322.M				
303038-04 1/10	water		24	1.000	06 Mar 2023	10:34 pm
40) 030640.D		VM080322.M				
rinse	water		100	1.000	06 Mar 2023	10:57 pm

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 13 Sequence Date: 2.14.23 Shift # 3

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	2/15
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 02/15/23
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 11 Sequence Date: 2.22.23 Shift # 1

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	2/23
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes: RTs updated after calculations

Attach this sheet to raw data package.

YA 02/23/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 13 Sequence Date: 2.23.23 Shift # D 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	2/24
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	all ✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 02/24/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 2.23.23 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	2/24
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	N	
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed	see below	
Non-Conformance Report filled out (if needed)		

Notes: dichlorodifluoroT, acetT, 2,2-dichloroT, MGKST

Attach this sheet to raw data package.

YA 02/24/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 11 13 Sequence Date: 2.23.23 Shift # D 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	2/24
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	all ✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 02/24/23
Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 3.6.23 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	3/9
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	N	
Matrix spike (MS) analyzed	✓	
RPDs within limits		
Continuing Calibration Analyzed, Evaluated and Passed	dichlorodifluoroTP	
Non-Conformance Report filled out (if needed)		

Notes:

Attach this sheet to raw data package.

YA 03/09/23
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : U:\GCMS13\GCMS13_Data\02-14-23\021410.D
Tune Time : 14 Feb 2023 02:17 pm

Daily Calibration File : U:\GCMS13\GCMS13_Data\02-14-23\021424.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						66660	55853	31852
File	Sample	Surrogate Recovery %				Internal Standard Responses		
021416.D	0.02 ppb 8	103	108	102	102	64603	58994	33520
021417.D	0.04 ppb 8	95	92	93	102	70232	58100	33383
021418.D	0.1 ppb 82	101	100	103	101	63727	58408	33364
021419.D	0.2 ppb 82	97	93	94	101	67422	56491	32724
021420.D	0.5 ppb 82	103	104	101	102	63984	57214	33099
021421.D	1 ppb 8260	96	97	92	101	69009	57563	32787
021422.D	2 ppb 8260	92	89	94	100	68352	58200	33183
021423.D	5 ppb 8260	100	101	101	99	63140	55777	33064
021424.D	10 ppb 826	95	101	92	101	66660	55853	31852
021425.D	20 ppb 826	103	103	103	100	58597	53628	30943
021426.D	50 ppb 826	105	101	106	95	54707	52254	30340
021427.D	100 ppb 82	105	105	106	97	53347	50610	29761
021428.D	150 ppb 82	105	105	106	99	53199	49596	28754
021429.D	200 ppb 8	102	103	105	99	52882	49700	28223
021431.D	10 ppb 826	102	98	103	98	60557	55535	32100

(fails) - fails 12hr time check * - fails criteria

Created: Wed Feb 15 11:16:45 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-22-23\022205.D
Tune Time : 22 Feb 2023 01:47 pm

Daily Calibration File : Y:\Proc_GCMS11\02-22-23\022221.D

		(DMF)	(DHL)	(TOL)	(BFB)	292579	243407	141583
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022213.D	0.02 ppb 8	105	104	94	98	306717	234300	137411
022214.D	0.04 ppb 8	100	107	100	101	322266	257183	153339
022215.D	0.1 ppb 82	98	97	100	100	323431	257268	152741
022216.D	0.2 ppb 82	99	97	96	96	309082	236586	142122
022217.D	0.5 ppb 82	100	107	98	100	317376	254259	149235
022218.D	1 ppb 8260	102	99	102	99	318909	262133	150812
022219.D	2 ppb 8260	97	107	98	102	309658	234077	135821
022220.D	5 ppb 8260	99	94	101	95	304030	234735	143007
022221.D	10 ppb 826	106	96	106	97	292579	243407	141583
022222.D	20 ppb 826	99	100	103	102	300568	243321	141851
022223.D	50 ppb 826	103	95	99	105	303347	237018	140461
022224.D	100 ppb 82	99	107	108	102	302509	249218	146018
022225.D	150 ppb 82	97	98	97	102	307800	242236	138126
022226.D	200 ppb 82	97	93	100	101	308112	242097	142594
022228.D	10 ppb 826	101	89	96	101	302202	237061	133194

(fails) - fails 12hr time check * - fails criteria

Created: Thu Feb 23 11:18:03 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-23-23\022310.D
Tune Time : 23 Feb 2023 11:44 am

Daily Calibration File : Y:\Proc_GCMS11\02-23-23\022310.D

		(DMF)	(DHL)	(TOL)	(BFB)	324265	234400	138736
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022312.D	302318-01	107	96	88	94	278140	195199	124431
022313.D	302318-02	102	105	95	97	287176	216205	133000
022314.D	03-0349 lc	101	103	100	106	289189	225605	130543
022315.D	03-0349 lc	107	104	95	94	276843	206880	122970
022316.D	302266-10	100	106	101	101	295015	229469	131081
022317.D	302266-10	111	89	102	91	270479	200826	127767
022319.D	03-0349 mb	108	106	101	98	285491	226547	135822
022320.D	302266-29	103	101	100	100	279102	217054	135282
022321.D	302266-01	104	104	102	101	292503	244536	140358
022322.D	302266-02	103	91	104	100	295007	242289	141309
022323.D	302266-10	100	90	100	100	304058	245299	147506
022324.D	302266-11	103	98	99	99	295647	228302	138519
022325.D	302322-01	100	96	99	95	291728	228568	134605
022326.D	302322-02	103	95	100	100	288234	228669	133187
022327.D	302322-03	105	92	94	97	281357	199978	122740
022328.D	302267-37	105	99	97	101	286088	227840	134496
022330.D	302287-01	102	102	96	101	289968	220483	132927
022331.D	302287-02	96	97	92	100	301370	227521	132684
022332.D	302287-03	98	98	99	108	296458	232023	131792

022333.D								
	302287-04	104	104	98	97	291092	227687	138653
022334.D								
	302287-05	101	104	96	94	290661	224429	134935
022335.D								
	302287-06	102	94	100	98	287976	229978	139107
022336.D								
	302311-01	98	82	87	101	300487	201264	126625
022337.D								
	302311-02	112	104	97	97	267848	199285	125040

(fails) - fails 12hr time check * - fails criteria

Created: Fri Feb 24 07:44:17 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\02-23-23\022308.D
Tune Time : 23 Feb 2023 08:12 am

Daily Calibration File : Y:\Proc_GCMS13\02-23-23\022308.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						53630	48801	28627
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022309.D								
	03-0348 lc	106	102	106	99	52019	49385	28342
022310.D								
	03-0348 lc	103	105	106	99	52271	49040	28455
022312.D								
	03-0348 mb	94	93	92	101	61110	49983	29508

(fails) - fails 12hr time check * - fails criteria

Created: Fri Feb 24 13:06:19 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS11\02-23-23\022310.D
Tune Time : 23 Feb 2023 11:44 am

Daily Calibration File : Y:\Proc_GCMS11\02-23-23\022310.D

		(DMF)	(DHL)	(TOL)	(BFB)	324265	234400	138736
File	Sample	Surrogate Recovery %				Internal Standard Responses		
022312.D	302318-01	107	96	88	94	278140	195199	124431
022313.D	302318-02	102	105	95	97	287176	216205	133000
022314.D	03-0349 lc	101	103	100	106	289189	225605	130543
022315.D	03-0349 lc	107	104	95	94	276843	206880	122970
022316.D	302266-10	100	106	101	101	295015	229469	131081
022317.D	302266-10	111	89	102	91	270479	200826	127767
022319.D	03-0349 mb	108	106	101	98	285491	226547	135822
022320.D	302266-29	103	101	100	100	279102	217054	135282
022321.D	302266-01	104	104	102	101	292503	244536	140358
022322.D	302266-02	103	91	104	100	295007	242289	141309
022323.D	302266-10	100	90	100	100	304058	245299	147506
022324.D	302266-11	103	98	99	99	295647	228302	138519
022325.D	302322-01	100	96	99	95	291728	228568	134605
022326.D	302322-02	103	95	100	100	288234	228669	133187
022327.D	302322-03	105	92	94	97	281357	199978	122740
022328.D	302267-37	105	99	97	101	286088	227840	134496
022330.D	302287-01	102	102	96	101	289968	220483	132927
022331.D	302287-02	96	97	92	100	301370	227521	132684
022332.D	302287-03	98	98	99	108	296458	232023	131792

022333.D								
	302287-04	104	104	98	97	291092	227687	138653
022334.D								
	302287-05	101	104	96	94	290661	224429	134935
022335.D								
	302287-06	102	94	100	98	287976	229978	139107
022336.D								
	302311-01	98	82	87	101	300487	201264	126625
022337.D								
	302311-02	112	104	97	97	267848	199285	125040

(fails) - fails 12hr time check * - fails criteria

Created: Fri Feb 24 07:44:17 2023 GCMS11

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\03-06-23\030616.D
Tune Time : 06 Mar 2023 01:45 pm

Daily Calibration File : Y:\Proc_GCMS13\03-06-23\030616.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						42788	39841	22398
File	Sample	Surrogate Recovery %				Internal Standard Responses		
030621.D								
	03-0348 mb	104	97	106	103	42489	40109	22172
030622.D								
	03-0353 mb	103	106	106	103	42138	40176	22544
030623.D								
	302322-01	106	110	107	106	42662	40593	22118
030624.D								
	302300-09	95	96	97	106	47024	40932	22305
030625.D								
	302330-03	93	95	95	105	47519	39712	22321
030626.D								
	302330-09	107	106	104	103	44728	42066	23853
030627.D								
	302300-07	101	93	103	108	48182	43154	22769
030628.D								
	302300-05	101	100	101	103	43547	39558	21850
030629.D								
	303038-02	108	107	106	99	39945	38741	21603
030631.D								
	303038-11	103	102	101	105	43638	39766	21394
030632.D								
	303038-01	102	106	102	107	43681	40290	21350
030633.D								
	303038-02	93	91	93	105	47910	39753	20733
030634.D								
	303038-03	105	104	103	103	44038	39531	21566
030635.D								
	303038-05	106	105	106	106	43371	39651	21173
030636.D								
	303038-06	104	103	104	107	43641	39669	21091
030637.D								
	303038-07	94	90	93	106	48966	39904	21466
030638.D								
	303038-08	108	104	103	105	42922	40350	21411
030639.D								
	303038-04	103	99	103	103	44165	39519	21739

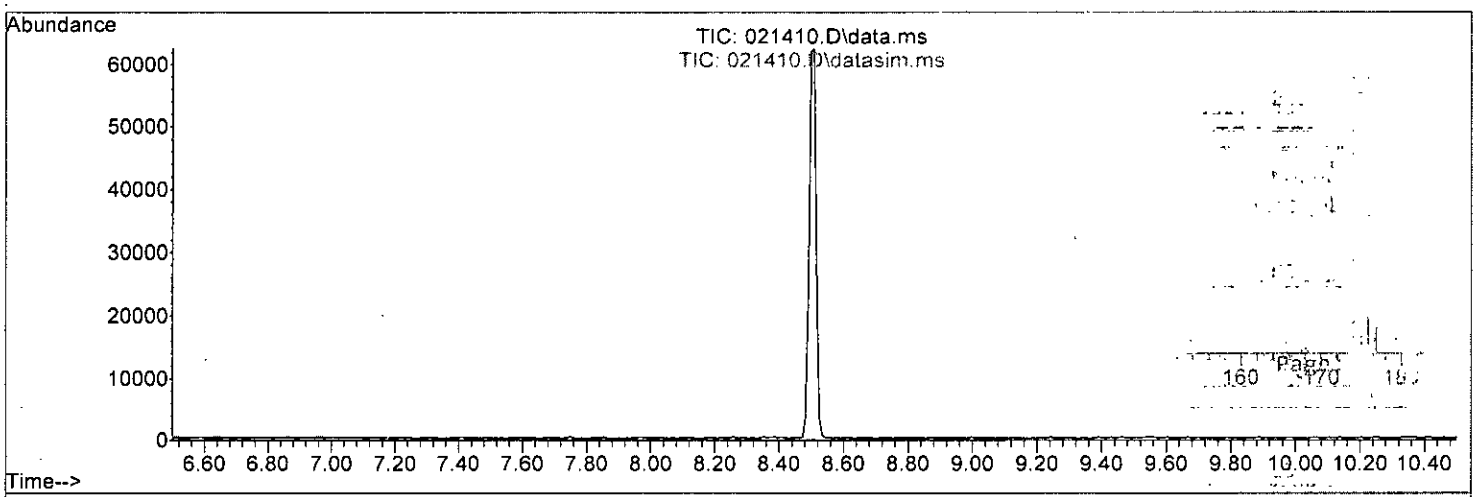
(fails) - fails 12hr time check * - fails criteria

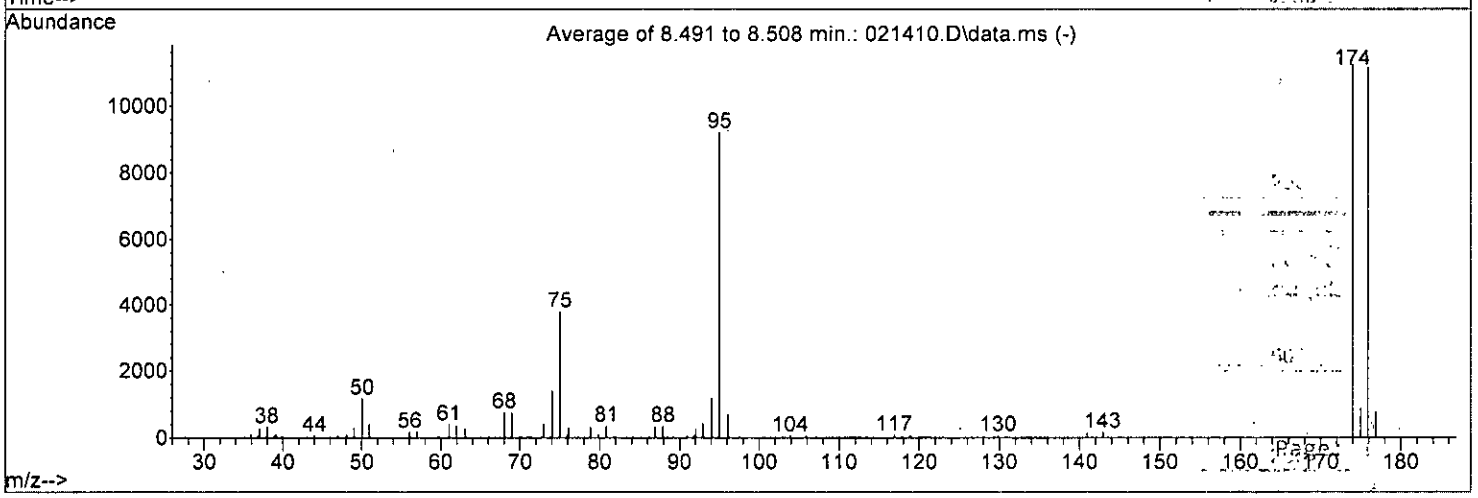
EPA 8260D
Tune Summaries

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021410.D
Acq On : 14 Feb 2023 02:17 pm
Operator : lm
Sample : 50 ng BFB 67-152A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst13\VB011223ms13LL.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
Last Update : Fri Jan 13 11:09:57 2023





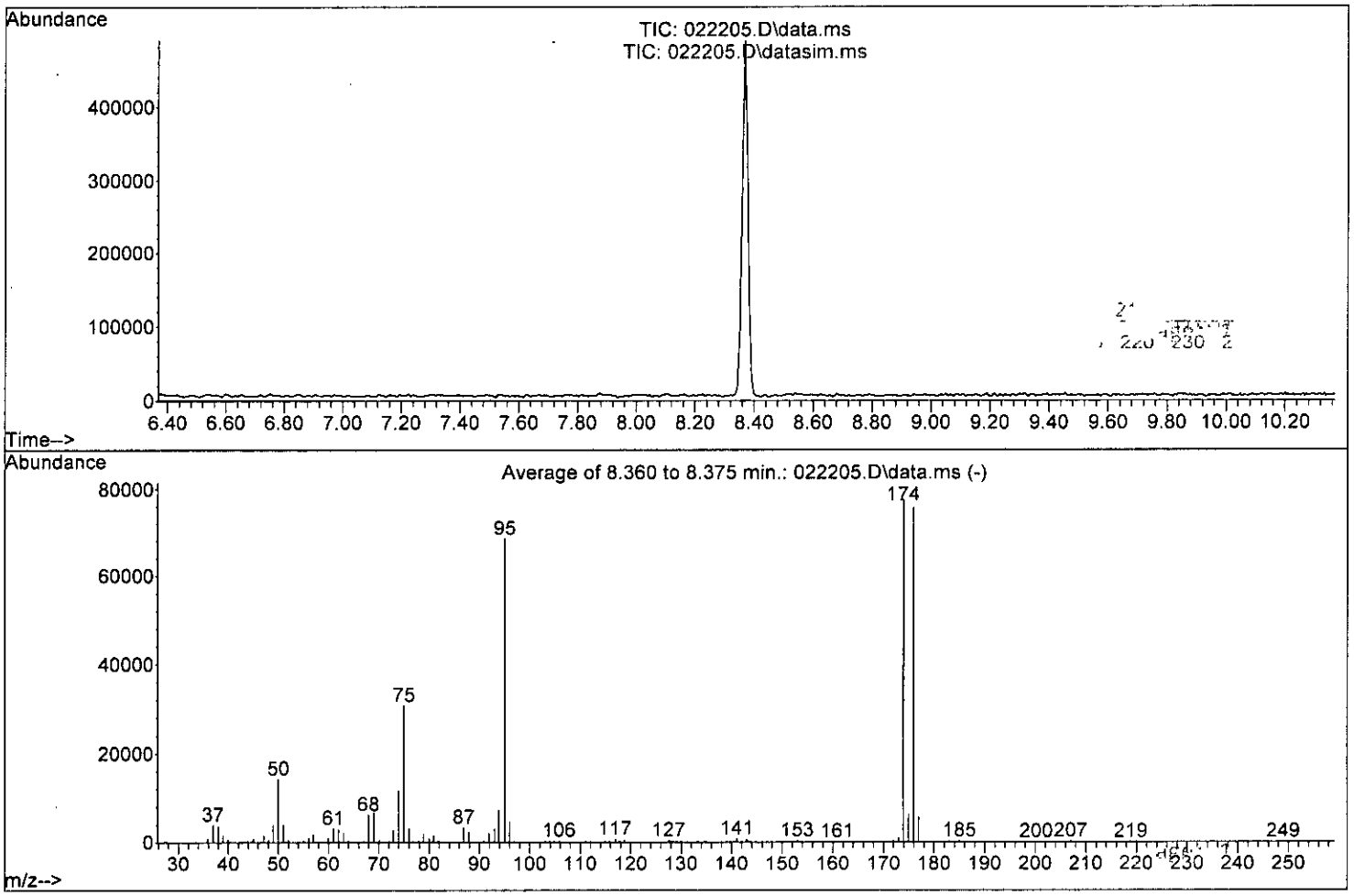
AutoFind: Scans 714, 715, 716; Background Corrected with Scan 710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	81.9	9195	PASS
96	95	5	9	7.5	686	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	122.1	11227	PASS
175	174	5	9	7.7	861	PASS
176	174	95	105	99.1	11122	PASS
177	176	5	10	6.8	759	PASS

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022205.D
Acq On : 22 Feb 2023 01:47 pm
Operator : LM
Sample : 50 ng BFB 67-152A
Misc : direct inj
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst11\VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023



AutoFind: Scans 884, 885, 886; Background Corrected with Scan 877

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	88.5	68525	PASS
96	95	5	9	6.5	4470	PASS
173	174	0.00	2	1.0	779	PASS
174	95	50	200	113.0	77440	PASS
175	174	5	9	8.0	6233	PASS
176	174	95	105	97.5	75541	PASS
177	176	5	10	7.4	5588	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Calibration Files
0.02=021416.D 0.04=021417.D 0.1 =021418.D 0.2 =021419.D 0.5 =021420.D 1 =021421.D 2 =021422.D 5 =021423.D 10 =021424.D 20 =021425.D
50 =021426.D 100 =021427.D 150 =021428.D 200 =021429.D

	Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I Fluorobenzene	ISTD															
2)	TMP Ethanol															0.000#	-1.00
3)	S Dibromofluorom...	0.320	0.295	0.316	0.301	0.322	0.299	0.286	0.312	0.296	0.322	0.326	0.328	0.328	0.320	0.312	4.51
4)	TMP Dichlorodifluo...					0.685	0.617	0.647	0.742	0.697	0.743	0.797	0.779	0.761	0.829	0.730	9.20
5)	TMP Chloromethane						0.490	0.474	0.508	0.443	0.477	0.523	0.520	0.504	0.561	0.500	6.83
6)	TMP Vinyl chloride	0.596	0.612	0.537	0.498	0.515	0.469	0.471	0.530	0.486	0.516	0.556	0.542	0.532	0.587	0.532	8.37
7)	TMP Bromomethane							0.682	0.443	0.450	0.462	0.478	0.461	0.460	0.494	0.491	16.07
8)	TMP Chloroethane				0.225	0.219	0.212	0.207	0.265	0.242	0.258	0.271	0.263	0.266	0.290	0.247	11.15
9)	TMP Trichlorofluor...				1.029	1.220	1.320	1.286	1.331	1.242	1.296	1.399	1.436	1.412	1.543	1.319	10.18
10)	TMP 2-Propanol															0.000	-1.00
11)	TMP Acetone					0.032	0.026	0.025	0.024	0.021	0.023	0.024	0.023	0.023	0.028	0.025	11.99
12)	TMP 1,1-Dichloroet...	0.519	0.491	0.446	0.394	0.423	0.397	0.379	0.479	0.415	0.430	0.450	0.435	0.434	0.472	0.440	8.97
13)	TMP Hexane					0.244	0.212	0.218	0.227	0.212	0.226	0.237	0.239	0.229	0.262	0.231	6.70
14)	TMP Methylene chlo...							0.235	0.235	0.224	0.226	0.241	0.230	0.233	0.255	0.235	4.19
15)	TMP t-Butyl alcoho...						0.019	0.018	0.020	0.019	0.020	0.022	0.021	0.022	0.025	0.021#	10.00
16)	TMP Methyl t-butyl...	0.604	0.609	0.571	0.519	0.557	0.512	0.501	0.558	0.507	0.542	0.573	0.550	0.542	0.586	0.552	6.25
17)	TMP trans-1,2-Dich...		0.299	0.330	0.286	0.280	0.260	0.257	0.290	0.261	0.277	0.291	0.280	0.280	0.305	0.284	7.02
18)	TMP Diisopropyl et...				0.438	0.519	0.426	0.477	0.465	0.453	0.484	0.509	0.497	0.489	0.536	0.481#	7.06
19)	TMP 1,1-Dichloroet...		0.349	0.331	0.307	0.334	0.310	0.305	0.330	0.304	0.325	0.342	0.329	0.327	0.356	0.327	5.13
20)	TMP Ethyl t-butyl ...				0.178	0.283	0.248	0.235	0.256	0.244	0.265	0.282	0.273	0.274	0.299	0.258	12.61
21)	TMP 2,2-Dichloropr...				0.223	0.246	0.225	0.205	0.232	0.209	0.212	0.268	0.261	0.249	0.252	0.235	9.23
22)	TMP cis-1,2-Dichlo...	0.356	0.324	0.303	0.278	0.300	0.281	0.271	0.317	0.281	0.297	0.310	0.295	0.295	0.318	0.302	7.40
23)	TMP Chloroform				0.446	0.455	0.428	0.386	0.427	0.401	0.421	0.444	0.427	0.426	0.467	0.430	5.39
24)	TMP 2-Butanone (MEK)					0.093	0.078	0.079	0.085	0.085	0.091	0.096	0.092	0.092	0.099	0.089	7.98
25)	TMP t-Amyl methyl ...				0.481	0.535	0.518	0.488	0.511	0.475	0.515	0.544	0.526	0.519	0.567	0.516	5.31
26)	TMP 1,2-Dichloroet...		0.441	0.358	0.293	0.297	0.287	0.281	0.286	0.264	0.279	0.290	0.276	0.273	0.292	0.301	15.83
27)	TMP 1,1,1-Trichlor...	0.480	0.409	0.432	0.399	0.438	0.414	0.400	0.435	0.403	0.438	0.465	0.451	0.456	0.493	0.437	6.84
28)	TMP 1,1-Dichloropr...				0.303	0.312	0.277	0.285	0.289	0.265	0.281	0.300	0.295	0.297	0.323	0.293	5.58
29)	TMP Carbon tetrach...				0.380	0.479	0.396	0.405	0.454	0.432	0.471	0.513	0.497	0.508	0.554	0.463	9.11
30)	S 1,2-Dichloroet...	0.067	0.057	0.062	0.058	0.064	0.060	0.055	0.062	0.063	0.064	0.062	0.065	0.065	0.064	0.062	5.43
31)	TMP Benzene	1.060	0.965	0.907	0.819	0.872	0.822	0.805	0.860	0.790	0.846	0.889	0.851	0.842	0.918	0.876	7.89
32)	TMP Trichloroethene	0.495	0.409	0.377	0.304	0.322	0.306	0.299	0.317	0.301	0.316	0.331	0.313	0.308	0.340	0.388	16.12
33)	TMP 1,2-Dichloropr...				0.145	0.160	0.175	0.163	0.181	0.163	0.177	0.182	0.180	0.180	0.196	0.173	8.04
34)	TMP Bromodichlorom...			0.234	0.251	0.323	0.277	0.284	0.305	0.282	0.307	0.328	0.324	0.325	0.356	0.300	11.72
35)	S Toluene-d8	0.947	0.868	0.961	0.872	0.944	0.855	0.877	0.944	0.860	0.955	0.991	0.989	0.991	0.982	0.931	5.68
36)	TMP Dibromomethane				0.149	0.172	0.161	0.164	0.173	0.160	0.171	0.184	0.178	0.179	0.194	0.171	7.42
37)	TMP 4-Methyl-2-pen...					0.035	0.040	0.040	0.041	0.040	0.043	0.047	0.046	0.046	0.051	0.043	10.85

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition

38)	TMP	cis-1,3-Dichlo...			0.319	0.224	0.320	0.287	0.271	0.283	0.277	0.302	0.344	0.347	0.351	0.387	0.309	14.34
39)	I	Chlorobenzene-d5	----------ISTD----------															
40)	TMP	Toluene	1.110	0.972	0.794	0.734	0.719	0.727	0.707	0.717	0.698	0.687	0.703	0.686	0.693	0.745	0.764	16.22
41)	TMP	trans-1,3-Dich...				0.301	0.322	0.283	0.277	0.308	0.301	0.300	0.330	0.334	0.346	0.378	0.316	9.30
42)	TMP	1,1,2-Trichlor...				0.203	0.208	0.206	0.203	0.205	0.199	0.196	0.201	0.196	0.200	0.215	0.203	2.75
43)	TMP	2-Hexanone					0.151	0.142	0.143	0.144	0.140	0.141	0.144	0.140	0.142	0.157	0.144	3.75
44)	TMP	1,3-Dichloropr...				0.338	0.398	0.344	0.348	0.346	0.320	0.321	0.327	0.323	0.324	0.348	0.340	6.61
45)	TMP	Tetrachloroethene	0.576	0.555	0.466	0.449	0.440	0.451	0.435	0.440	0.425	0.413	0.421	0.406	0.411	0.443	0.452	11.29
46)	TMP	Dibromochlorom...				0.410	0.437	0.416	0.418	0.429	0.415	0.428	0.446	0.451	0.457	0.501	0.437	6.04
47)	TMP	1,2-Dibromoeth...			0.417	0.320	0.330	0.322	0.325	0.319	0.328	0.318	0.317	0.323	0.316	0.319	0.346	0.331	8.21
48)	TMP	Chlorobenzene				0.907	0.979	0.987	0.972	0.966	0.960	0.941	0.966	0.950	0.969	1.039	0.967	3.34
49)	TMP	Ethylbenzene	1.627	1.609	1.377	1.298	1.300	1.307	1.294	1.310	1.271	1.256	1.268	1.214	1.215	1.294	1.331	9.62
50)	TMP	1,1,1,2-Tetrac...				0.382	0.351	0.390	0.364	0.390	0.384	0.384	0.399	0.399	0.409	0.447	0.391	6.28
51)	TMP	m,p-Xylene	0.750	0.704	0.610	0.578	0.580	0.584	0.578	0.585	0.567	0.552	0.553	0.529	0.528	0.564	0.590	10.62
52)	TMP	o-Xylene	0.678	0.671	0.572	0.565	0.565	0.561	0.549	0.562	0.544	0.532	0.538	0.521	0.520	0.552	0.566	8.58
53)	TMP	Styrene				0.849	0.925	0.867	0.854	0.852	0.842	0.829	0.850	0.824	0.824	0.886	0.855	3.49
54)	TMP	Isopropylbenzene				1.481	1.409	1.381	1.390	1.431	1.360	1.347	1.382	1.347	1.349	1.444	1.393	3.18
55)	TMP	Bromoform				0.268	0.284	0.277	0.266	0.285	0.278	0.281	0.305	0.313	0.323	0.360	0.295	9.64
56)	I	1,4-Dichlorobenzen...	----------ISTD----------															
57)	S	4-Bromofluorob...	0.629	0.628	0.626	0.624	0.629	0.624	0.616	0.613	0.622	0.614	0.588	0.597	0.611	0.611	0.617	1.99
58)	TMP	n-Propylbenzene				2.458	2.421	2.405	2.425	2.352	2.380	2.312	2.350	2.236	2.265	2.476	2.371	3.24
59)	TMP	Bromobenzene				0.958	0.845	0.892	0.843	0.840	0.838	0.808	0.839	0.810	0.839	0.916	0.857	5.37
60)	TMP	1,3,5-Trimethy...				1.948	2.009	2.045	1.961	1.889	1.962	1.913	1.947	1.847	1.866	2.020	1.946	3.25
61)	TMP	1,1,2,2-Tetrac...				0.423	0.497	0.491	0.495	0.463	0.458	0.453	0.471	0.457	0.480	0.514	0.473#	5.40
62)	TMP	1,2,3-Trichlor...				0.307	0.411	0.425	0.372	0.357	0.358	0.347	0.353	0.342	0.351	0.389	0.365#	9.13
63)	TMP	2-Chlorotoluene				1.494	1.451	1.543	1.456	1.403	1.403	1.336	1.351	1.264	1.279	1.403	1.399	6.17
64)	TMP	4-Chlorotoluene				1.870	1.595	1.576	1.659	1.629	1.590	1.549	1.568	1.486	1.504	1.635	1.606	6.38
65)	TMP	tert-Butylbenzene				2.234	2.051	2.115	2.049	1.970	2.043	1.966	2.042	1.964	2.000	2.160	2.054	4.17
66)	TMP	1,2,4-Trimethy...				1.878	1.992	1.957	1.960	1.986	2.002	1.967	2.027	1.953	1.995	2.181	1.991	3.71
67)	TMP	sec-Butylbenzene				2.432	2.509	2.569	2.565	2.540	2.557	2.441	2.557	2.458	2.495	2.722	2.531	3.19
68)	TMP	p-Isopropyltol...				2.428	2.387	2.422	2.449	2.447	2.534	2.455	2.579	2.484	2.503	2.743	2.494	3.97
69)	TMP	1,3-Dichlorobe...				1.630	1.563	1.614	1.491	1.472	1.510	1.456	1.510	1.477	1.505	1.651	1.534	4.48
70)	TMP	1,4-Dichlorobe...				1.566	1.446	1.550	1.487	1.457	1.450	1.390	1.455	1.407	1.438	1.569	1.474	4.21
71)	TMP	1,2-Dichlorobe...				1.456	1.488	1.504	1.428	1.398	1.431	1.383	1.443	1.413	1.446	1.587	1.452	3.92
72)	TMP	1,2-Dibromo-3-...					0.090	0.076	0.079	0.076	0.075	0.079	0.084	0.088	0.093	0.105	0.084	11.48
73)	TMP	1,2,4-Trichlor...				0.859	0.904	0.900	0.884	0.894	0.903	0.900	1.013	1.042	1.085	1.227	0.965	11.82
74)	TMP	Hexachlorobuta...				0.634	0.607	0.576	0.590	0.571	0.581	0.552	0.595	0.600	0.614	0.688	0.600	5.77
75)	TMP	Naphthalene			1.939	1.714	1.580	1.665	1.622	1.713	1.757	1.809	2.072	2.185	2.346	2.646	1.920	17.16
76)	TMP	1,2,3-Trichlor...				0.695	0.770	0.779	0.806	0.802	0.834	0.818	0.915	0.946	0.993	1.121	0.860	13.82

(#) = Out of Range

Compound List Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.74	1.000	A	1	A	B
2	T	Ethanol	45	2.34	0.495	A	1	A	B
3	S	Dibromofluoromethane	113	4.18	0.882	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.11	0.234	A	1	A	B
5	T	Chloromethane	50	1.25	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.33	0.280	L	1	A	B
7	T	Bromomethane	94	1.57	0.332	L	1	A	B
8	T	Chloroethane	-64	1.66	0.350	L	1	A	B
9	T	Trichlorofluoromethane	101	1.84	0.388	A	1	A	B
10	T	2-Propanol	45	2.34	0.495	A	1	A	B
11	T	Acetone	58	2.33	0.492	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.27	0.480	A	2	A	B
13	T	Hexane	57	3.16	0.667	A	2	A	B
14	T	Methylene chloride	84	2.69	0.569	L	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.82	0.595	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.93	0.620	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.92	0.618	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.35	0.708	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.27	0.692	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.66	0.773	L	3	A	B
21	T	2,2-Dichloropropane	77	3.76	0.795	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.77	0.796	A	2	A	B
23	T	Chloroform	83	4.04	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.79	0.801	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.61	0.974	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.52	0.954	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.19	0.885	A	2	A	B
28	T	1,1-Dichloropropene	75	4.33	0.915	A	2	A	B
29	T	Carbon tetrachloride	117	4.33	0.915	L	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.45	0.941	A	1	A	B
31	T	Benzene	-78	4.50	0.951	L	1	A	B
32	T	Trichloroethene	-95	5.05	1.067	L	3	A	B
33	T	1,2-Dichloropropane	63	5.24	1.107	A	1	A	B
34	T	Bromodichloromethane	83	5.48	1.158	L	2	A	B
35	S	Toluene-d8	98	6.11	1.289	A	1	A	B
36	T	Dibromomethane	93	5.34	1.127	A	2	A	B
37	T	4-Methyl-2-pentanone	85	6.01	1.270	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.88	1.241	Q	2	A	B
39	I	Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T	Toluene	-92	6.16	0.832	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.36	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.53	0.881	A	2	A	B
43	T	2-Hexanone	43	6.76	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.67	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.65	0.898	L	3	A	B
46	T	Dibromochloromethane	129	6.87	0.928	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.97	0.941	A	2	A	B
48	T	Chlorobenzene	112	7.43	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.54	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.65	1.033	L	1	A	B
52	T	o-Xylene	-106	8.02	1.083	L	1	A	B
53	T	Styrene	104	8.03	1.084	A	1	A	B
54	T	Isopropylbenzene	105	8.37	1.130	A	1	A	
55	T	Bromoform	173	8.20	1.107	A	2	A	

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.76	0.910	A	1	A	B
59	T	Bromobenzene	156	8.65	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.93	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.69	0.903	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	L	1	A	B
64	T	4-Chlorotoluene	91	8.94	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.24	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.29	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.60	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.55	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.77	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.205	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.83	1.229	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.07	1.254	Q	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB021423ms13.M Wed Feb 15 11:17:18 2023

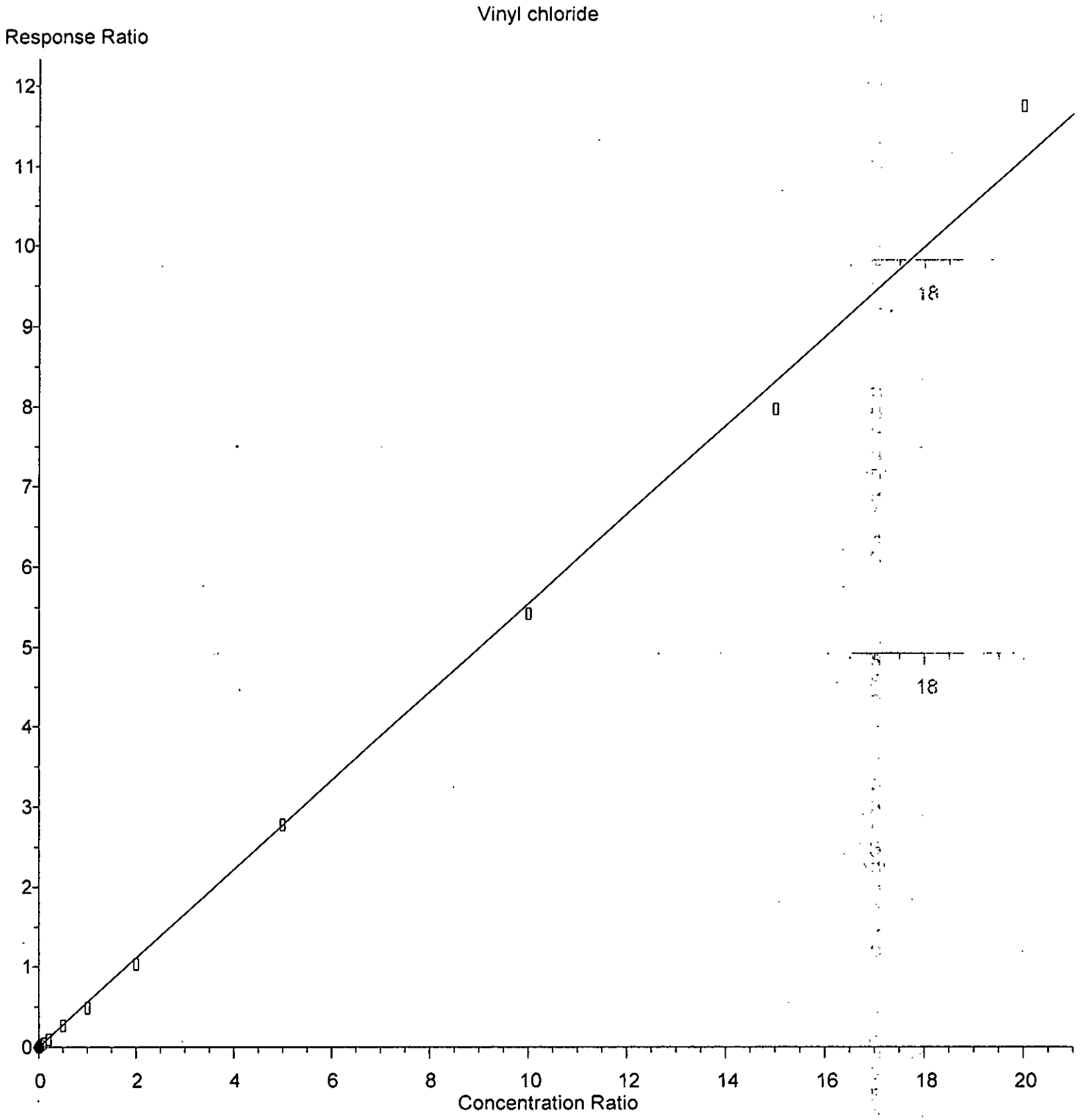
Calibration Status Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

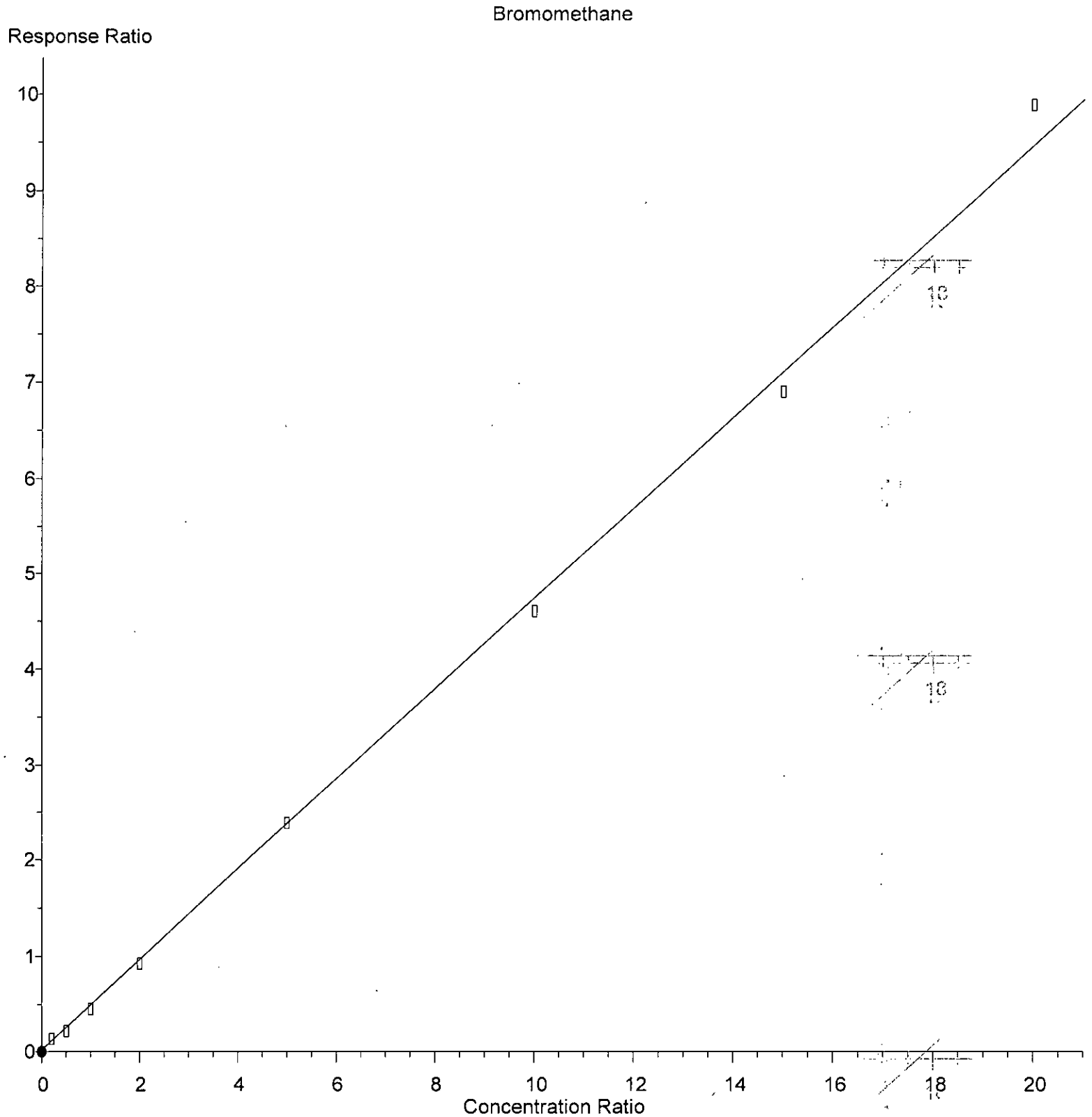
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2	0.04	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021417.D
3	0.1	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021418.D
4	0.2	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021419.D
5	0.5	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021420.D
6	1	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021421.D
7	2	2	10	U:\GCMS13\GCMS13_Data\02-14-23\021422.D
8	5	5	10	U:\GCMS13\GCMS13_Data\02-14-23\021423.D
9	10	10	10	U:\GCMS13\GCMS13_Data\02-14-23\021424.D
10	20	20	10	U:\GCMS13\GCMS13_Data\02-14-23\021425.D
11	50	50	10	U:\GCMS13\GCMS13_Data\02-14-23\021426.D
12	100	100	10	U:\GCMS13\GCMS13_Data\02-14-23\021427.D
13	150	150	10	U:\GCMS13\GCMS13_Data\02-14-23\021428.D
14	200	200	10	U:\GCMS13\GCMS13_Data\02-14-23\021429.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 04:51 pm
2	0.04	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 05:14 pm
3	0.1	Feb 15 09:25 2023	Feb 15 09:27 2023	14 Feb 2023 05:37 pm
4	0.2	Feb 15 09:25 2023	Feb 15 09:28 2023	14 Feb 2023 06:01 pm
5	0.5	Feb 15 09:25 2023	Feb 15 09:29 2023	14 Feb 2023 06:24 pm
6	1	Feb 15 09:52 2023	Feb 15 09:59 2023	14 Feb 2023 06:47 pm
7	2	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:10 pm
8	5	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:33 pm
9	10	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 07:56 pm
10	20	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:20 pm
11	50	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:43 pm
12	100	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:06 pm
13	150	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:29 pm
14	200	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:53 pm

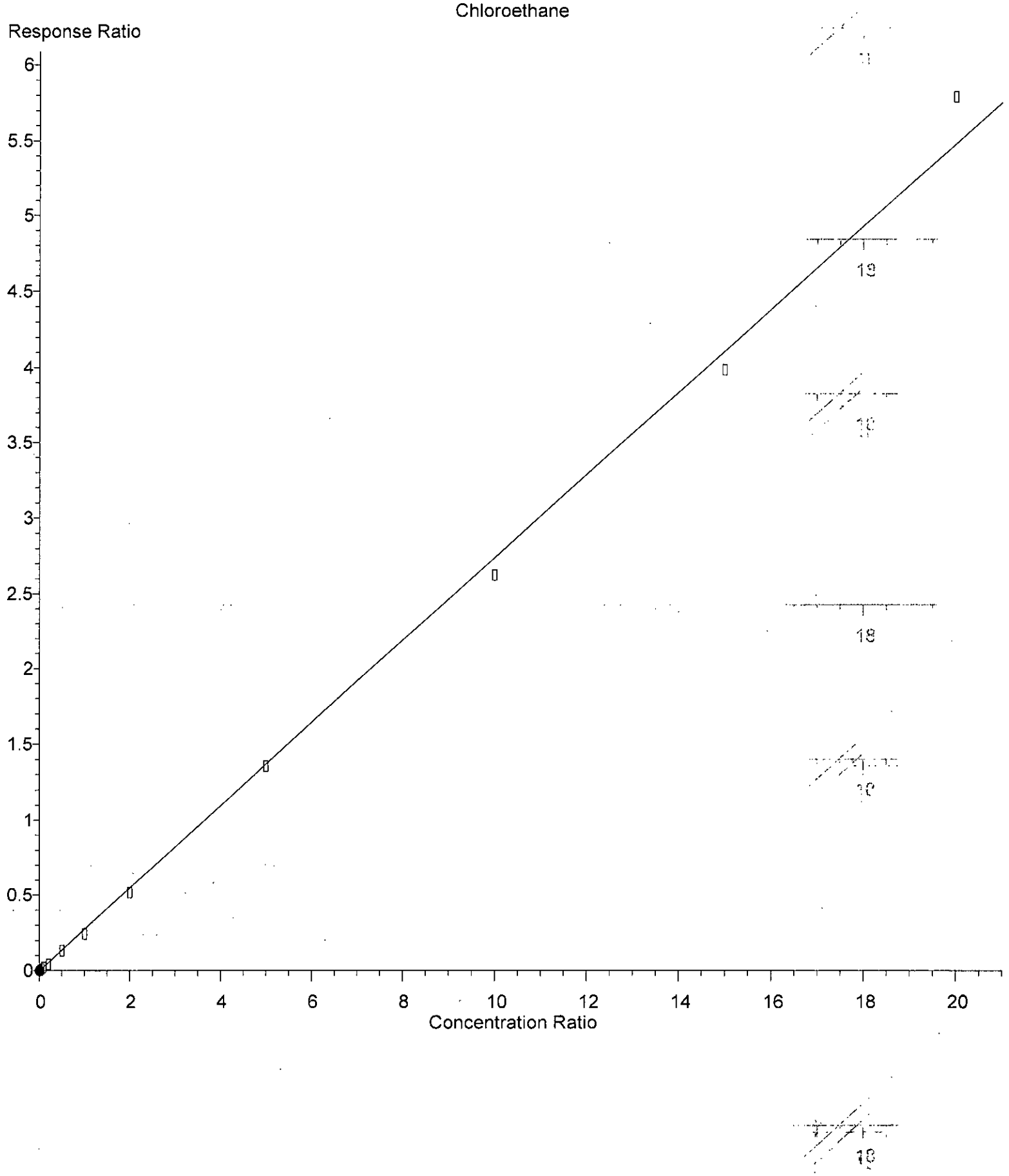
VB021423ms13.M Wed Feb 15 11:17:25 2023



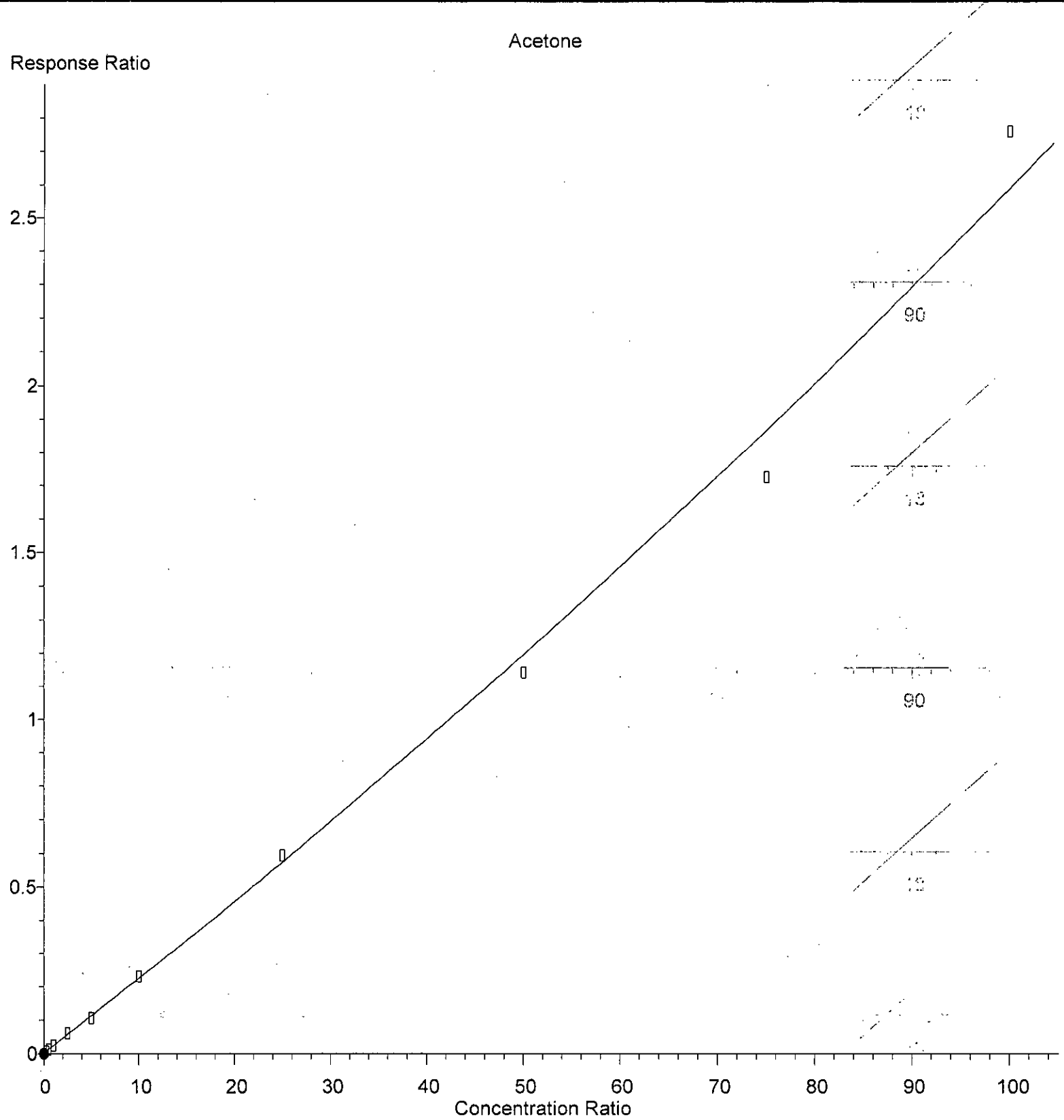
Response = 5.549e-001 * Amt - 3.415e-004
Coef of Det (r^2) = 0.997527 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



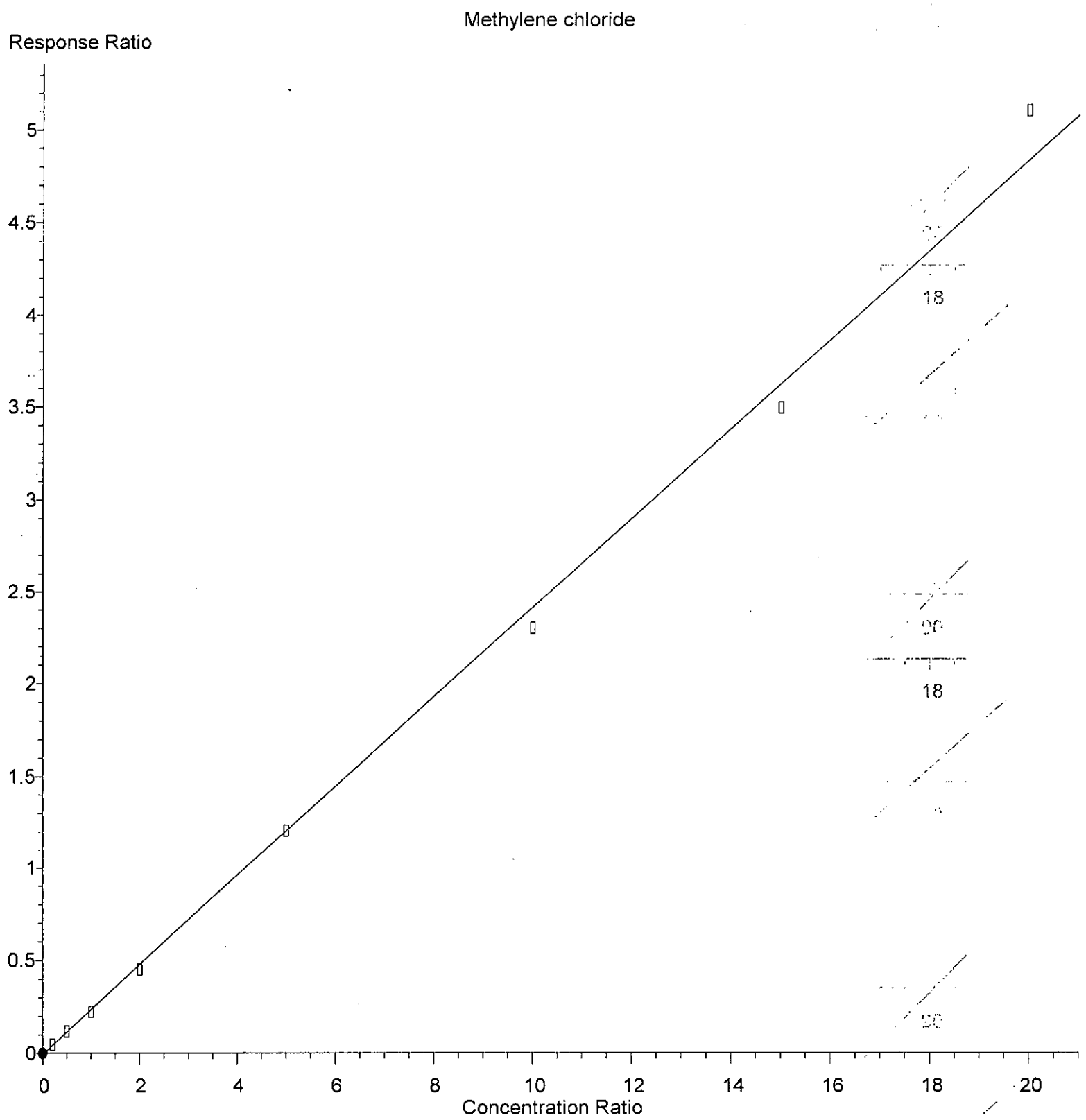
Response = 4.727e-001 * Amt + 1.654e-002
Coef of Det (r^2) = 0.997996 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



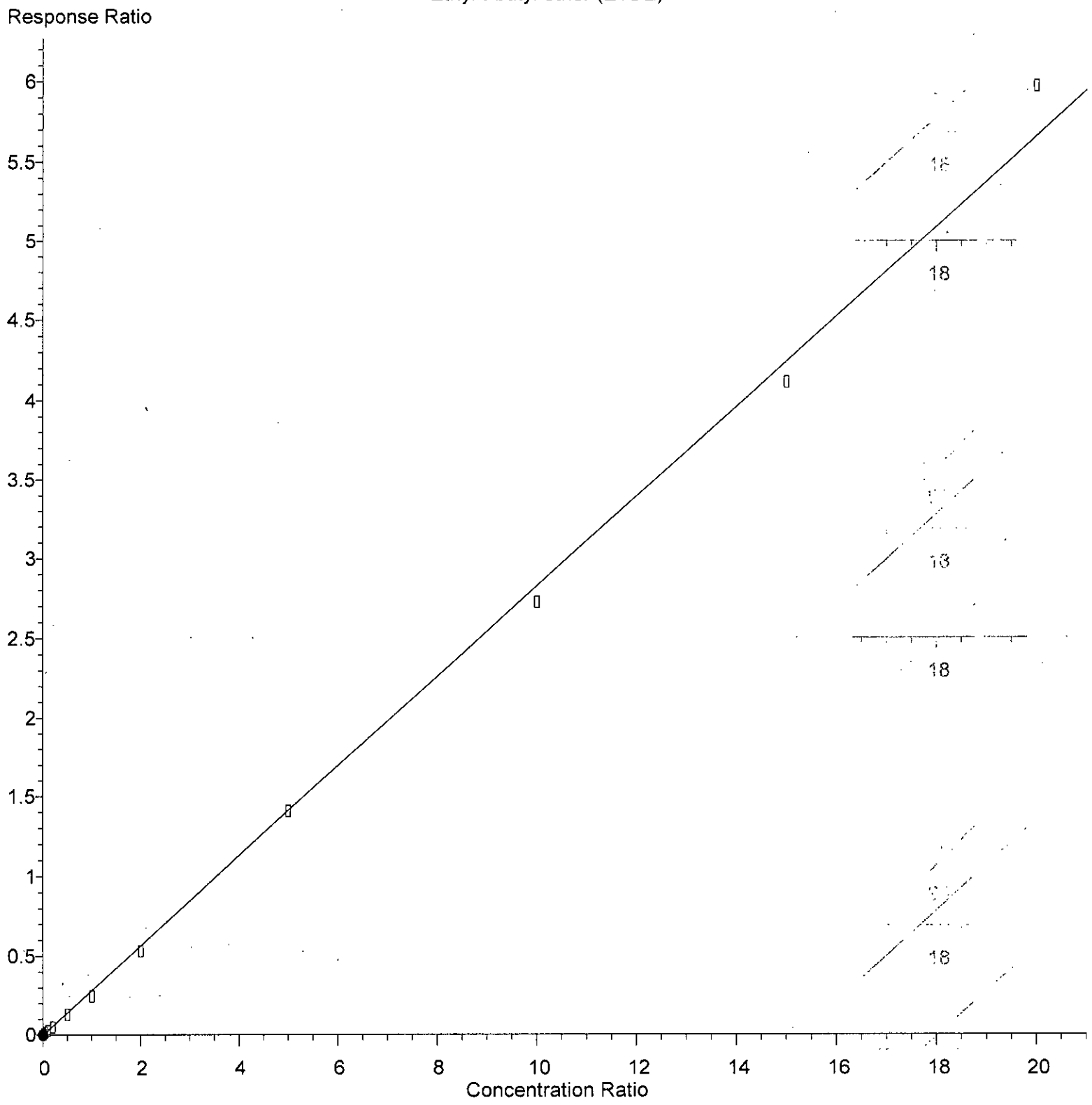
Response = 2.743e-001 * Amt - 3.364e-003
Coef of Det (r^2) = 0.997674 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



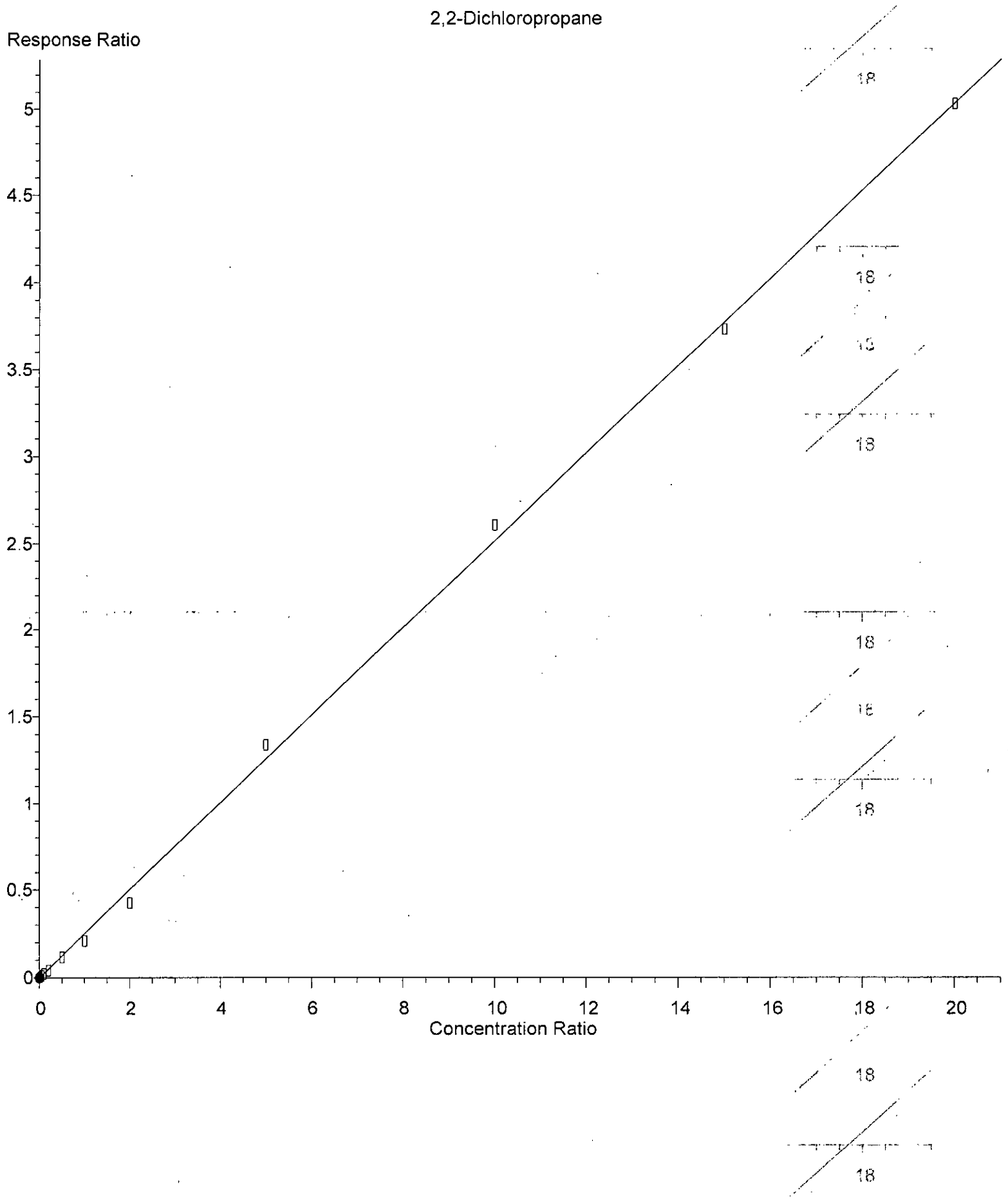
R = 4.023e-005 A*A + 2.185e-002 A + 2.380e-003
Coef of Det (r^2) = 0.996662 Curve Fit: Quadratic w(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



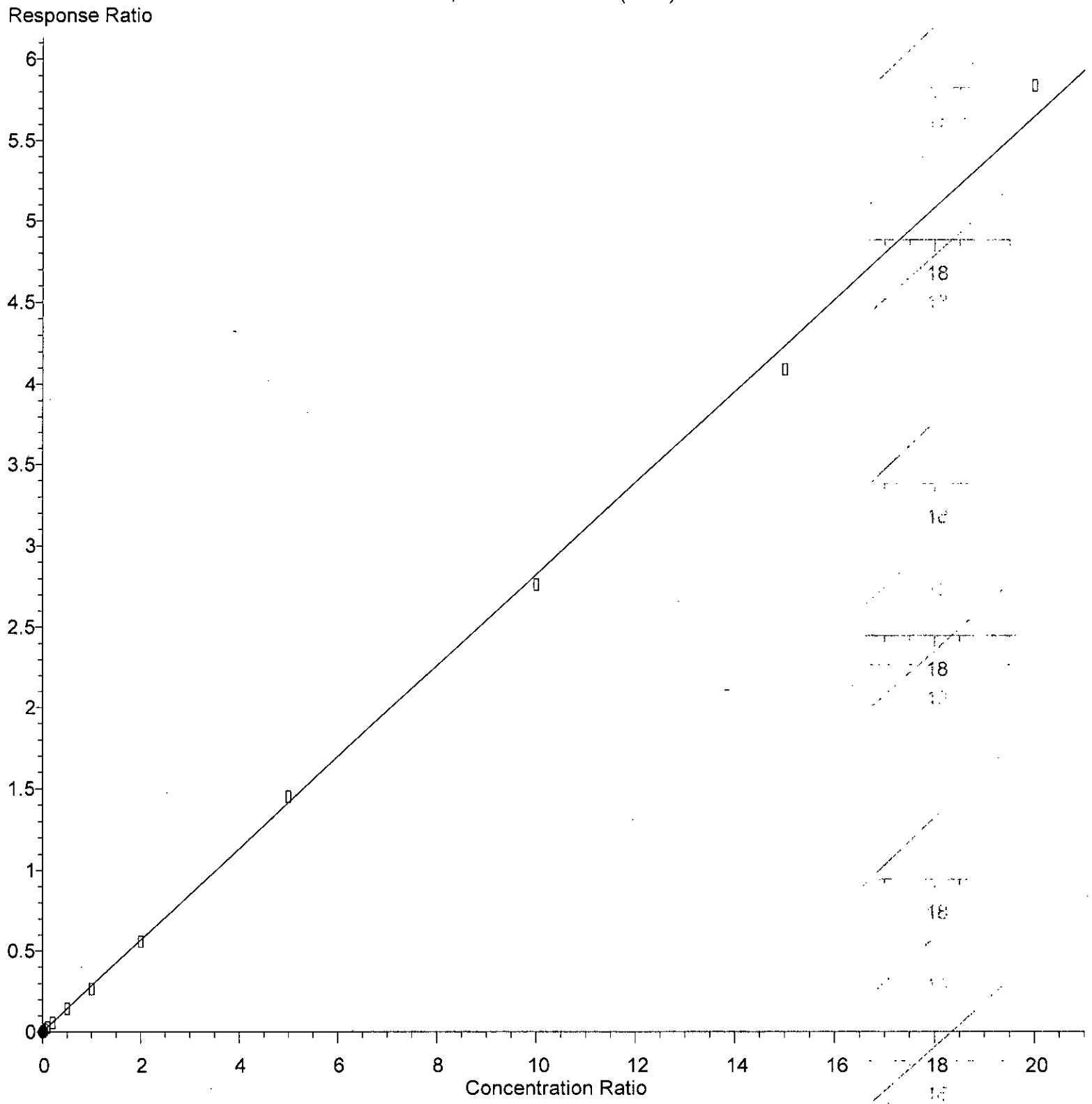
Response = 2.421e-001 * Amt - 6.488e-003
Coef of Det (r^2) = 0.997591 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



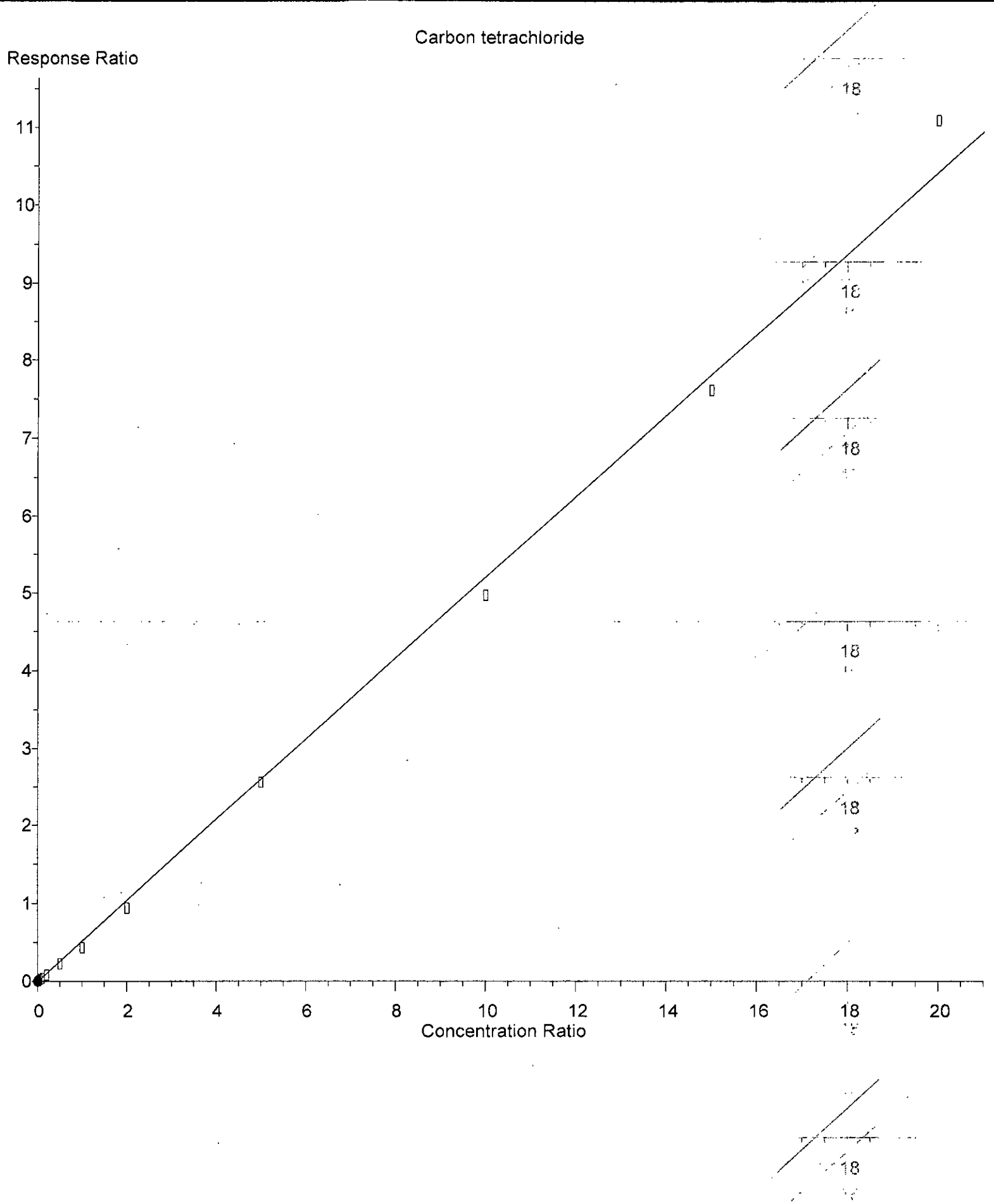
Response = 2.831e-001 * Amt - 3.106e-003
Coef of Det (r^2) = 0.997762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



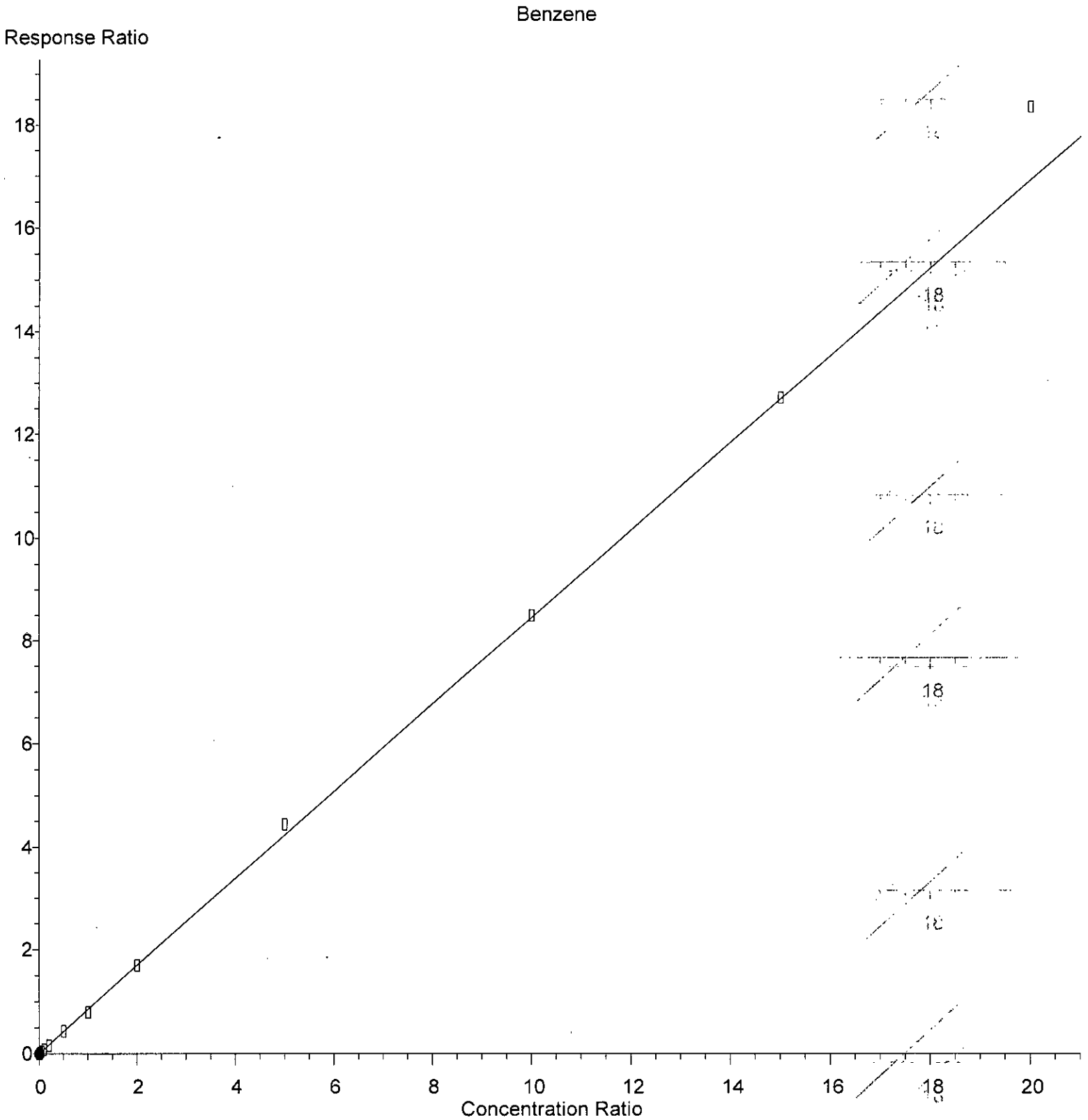
Response = 2.518e-001 * Amt - 2.120e-003
Coef of Det (r^2) = 0.997738 Curve Fit: w/r(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



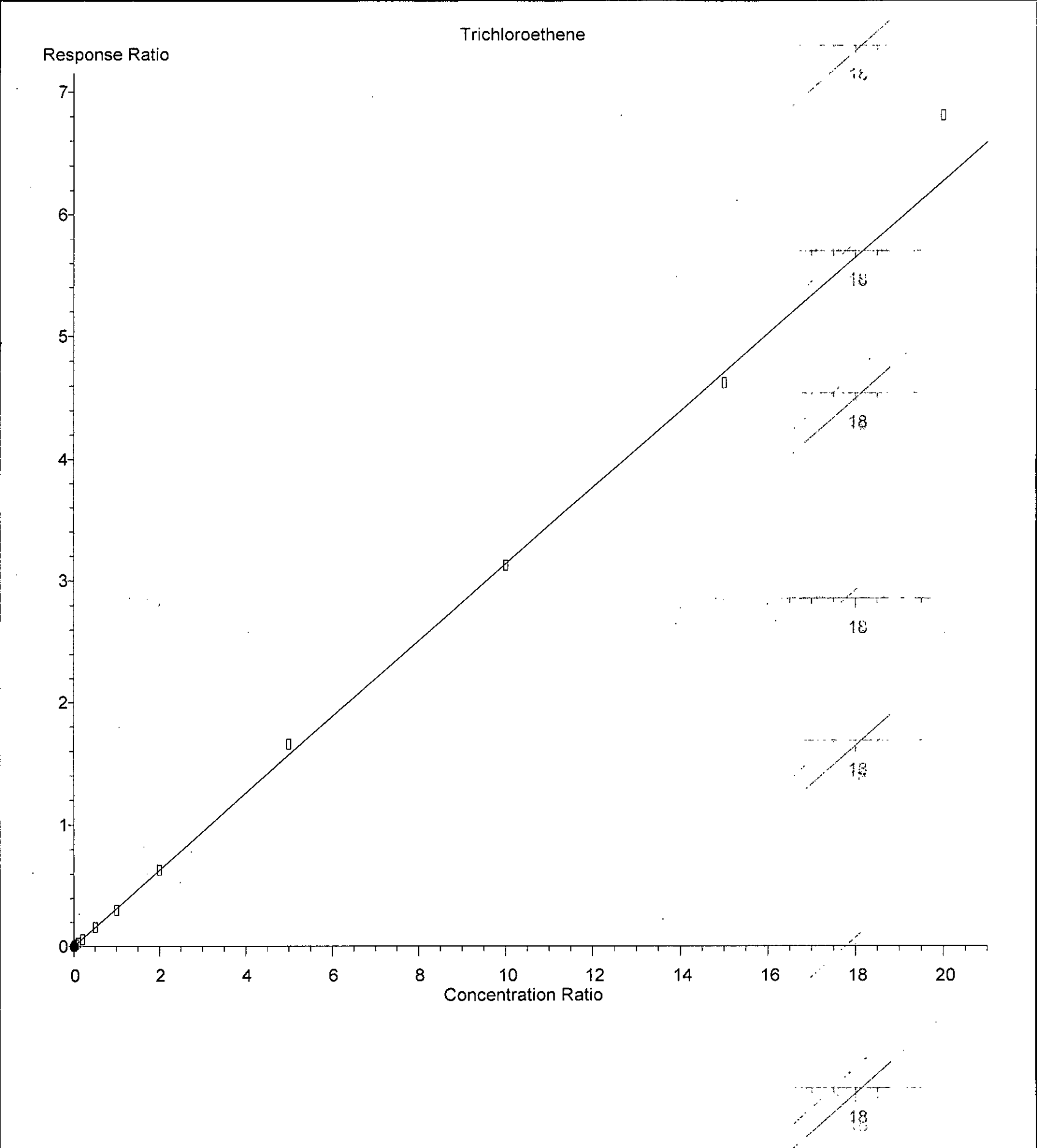
Response = 2.824e-001 * Amt + 5.624e-004
Coef of Det (r^2) = 0.998999 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



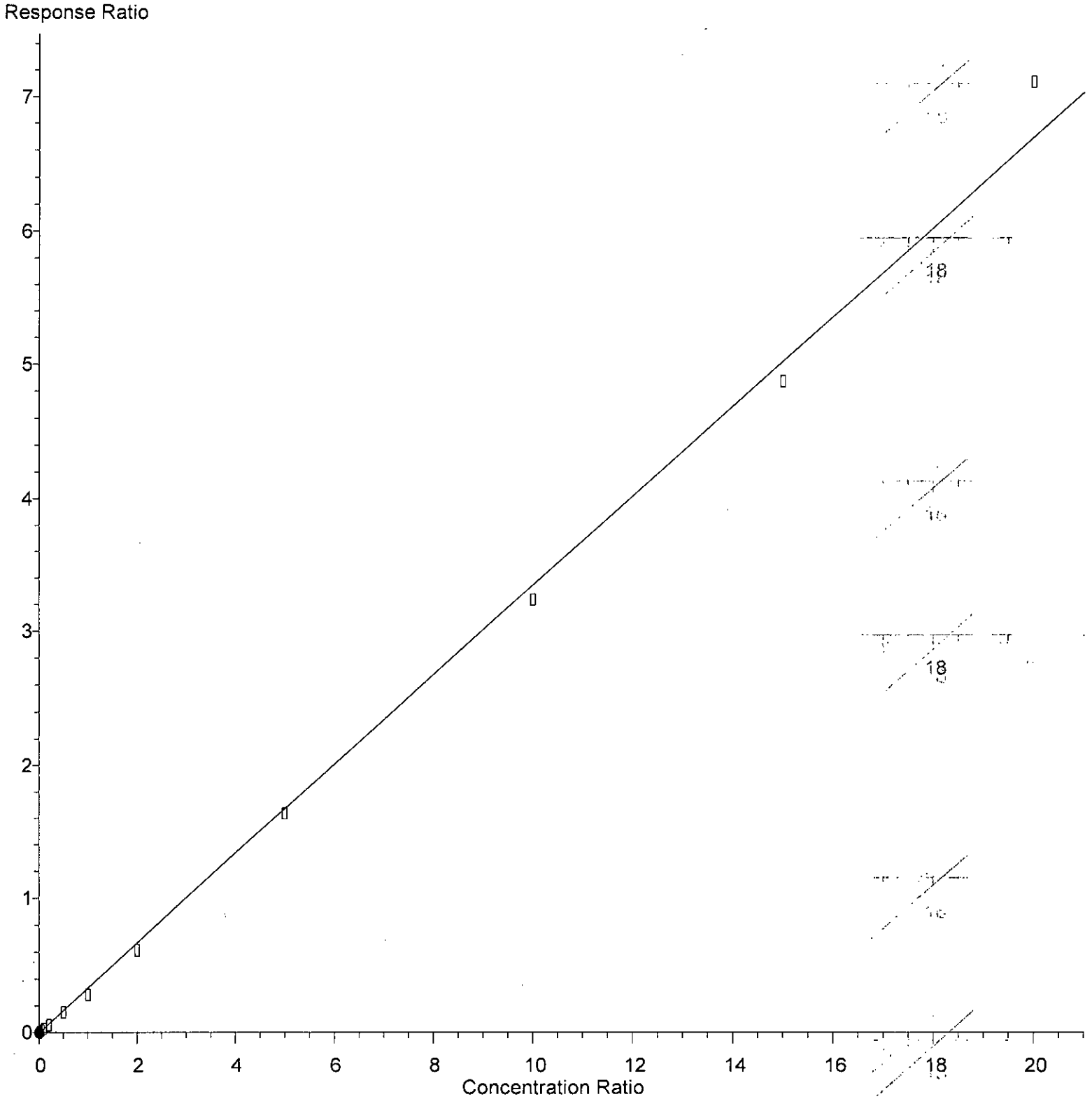
Response = 5.211e-001 * Amt - 7.233e-003
Coef of Det (r^2) = 0.996762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



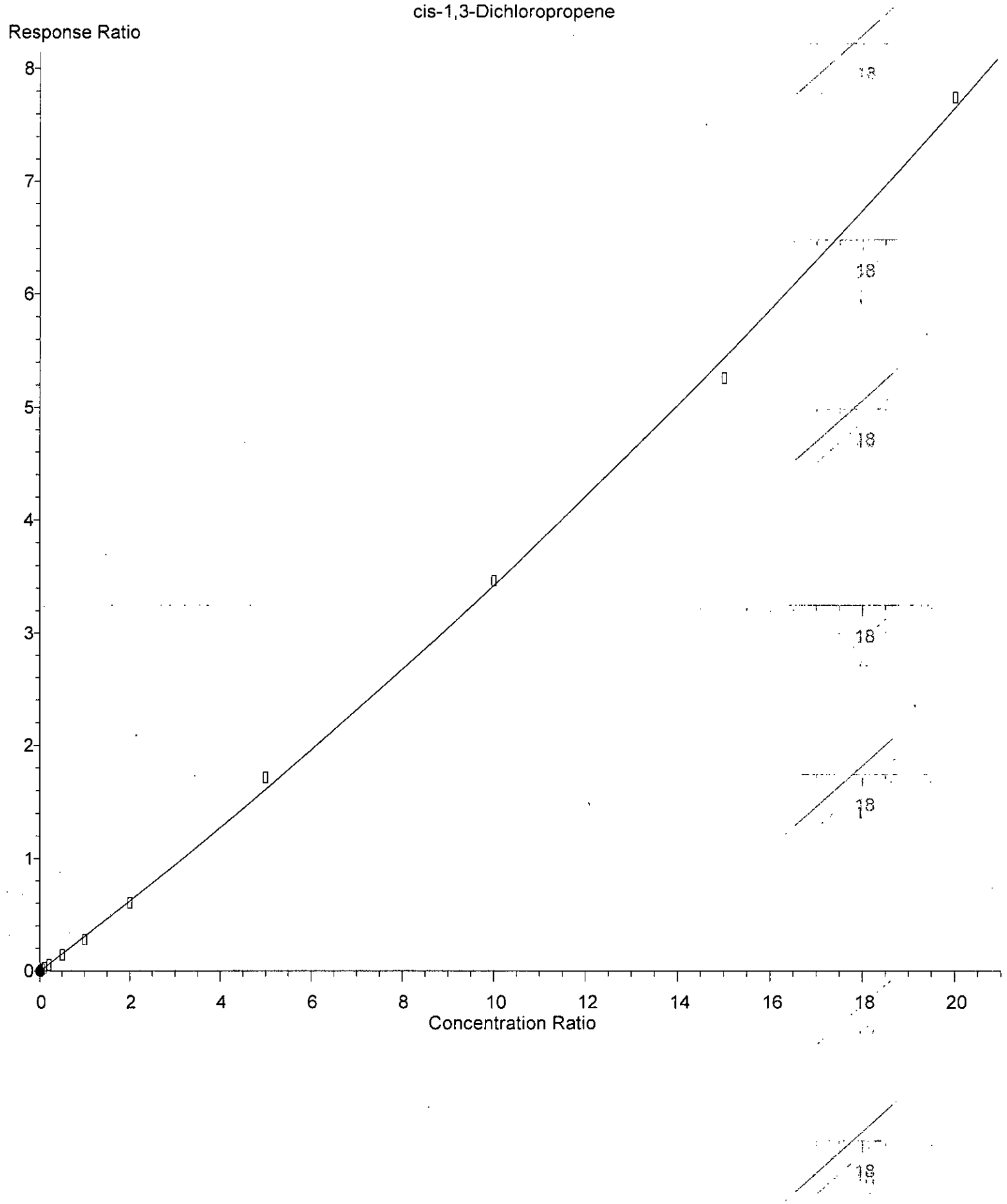
Response = 8.464e-001 * Amt + 4.344e-004
Coef of Det (r^2) = 0.997988 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



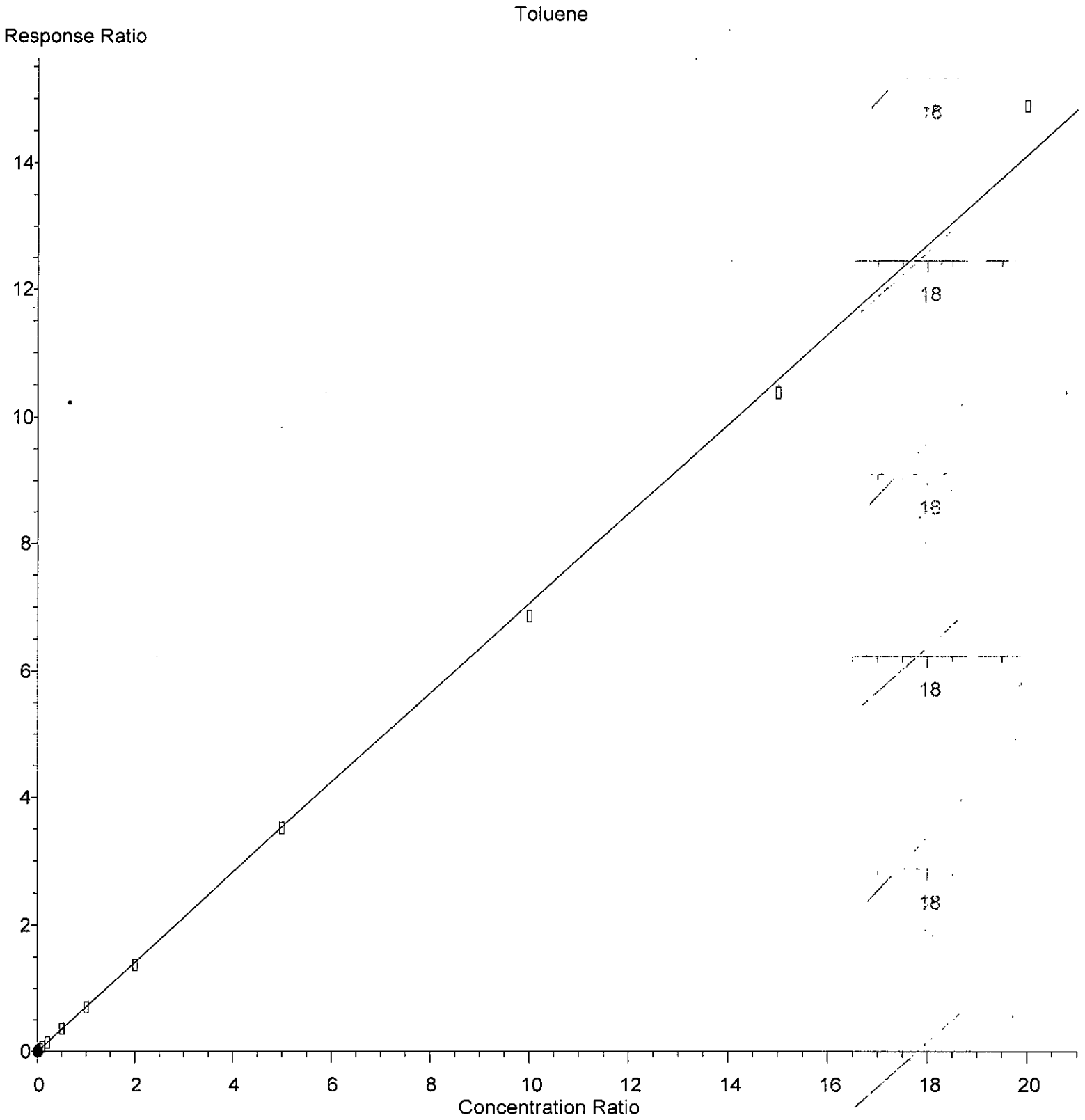
Response = 3.136e-001 * Amt + 3.707e-004
Coef of Det (r^2) = 0.997175 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



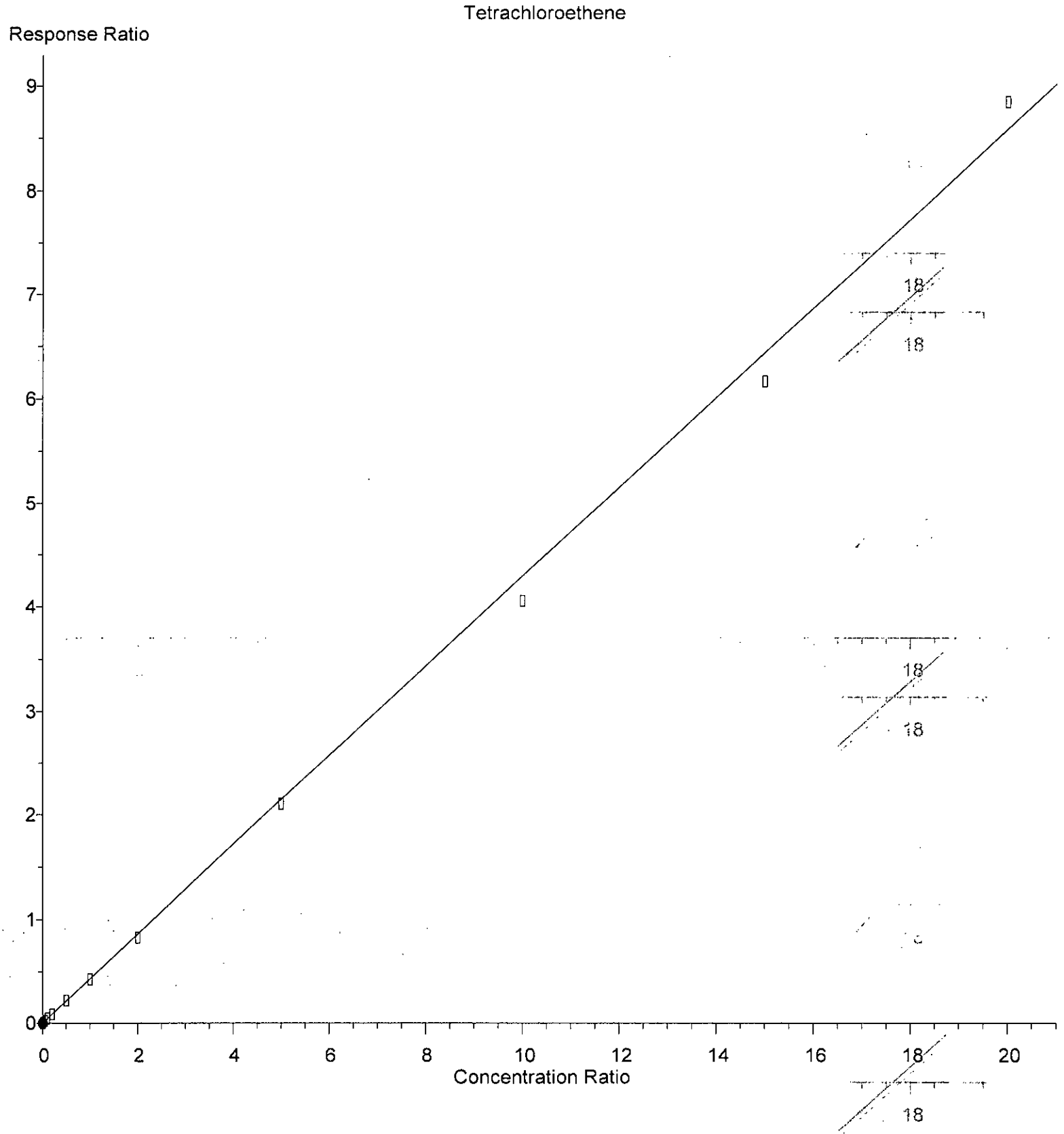
Response = 3.351e-001 * Amt - 2.251e-003
Coef of Det (r^2) = 0.997228 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



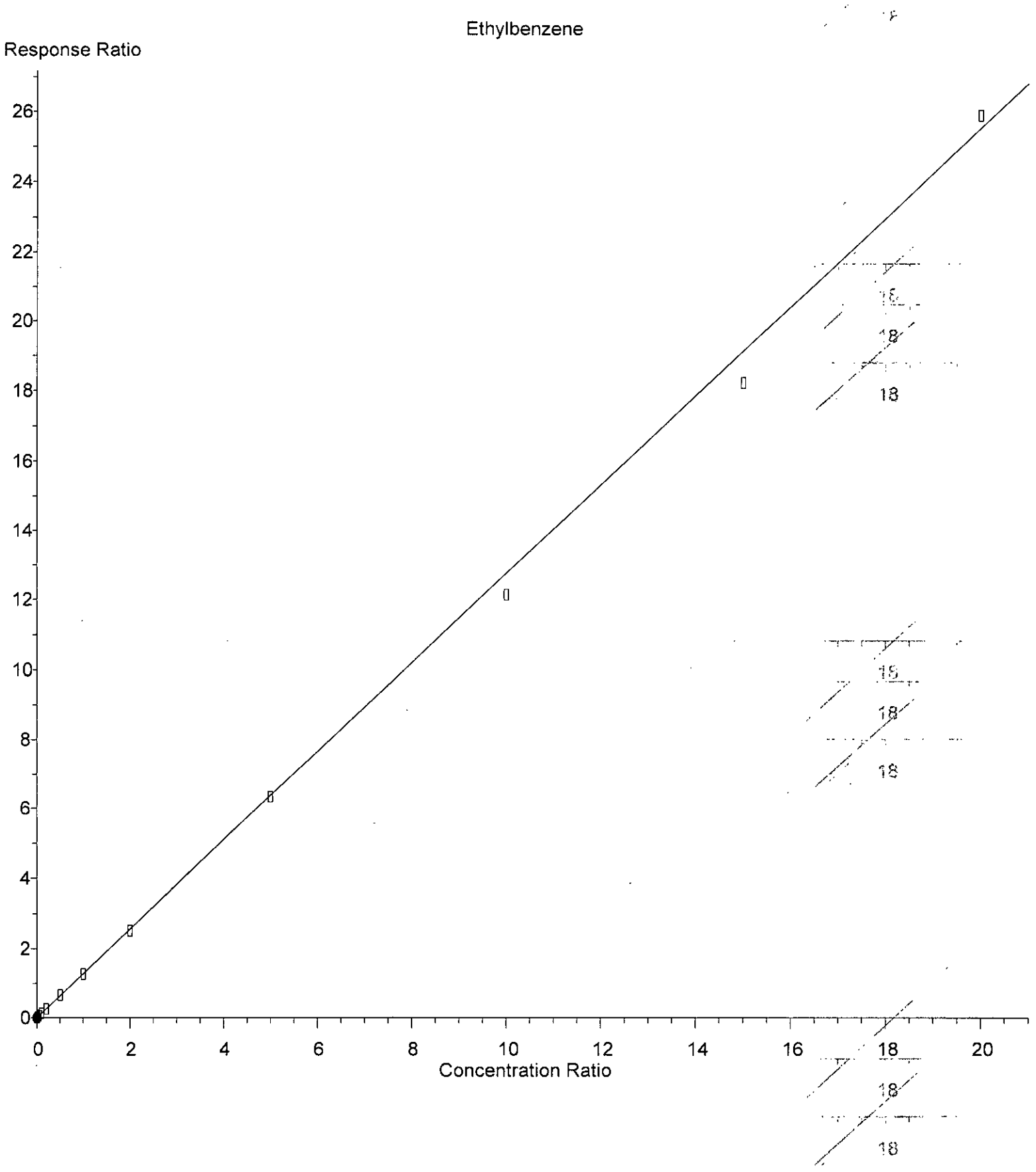
R = 4.031e-003 A*A + 3.023e-001 A - 7.106e-004
Coef of Det (r^2) = 0.999062 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



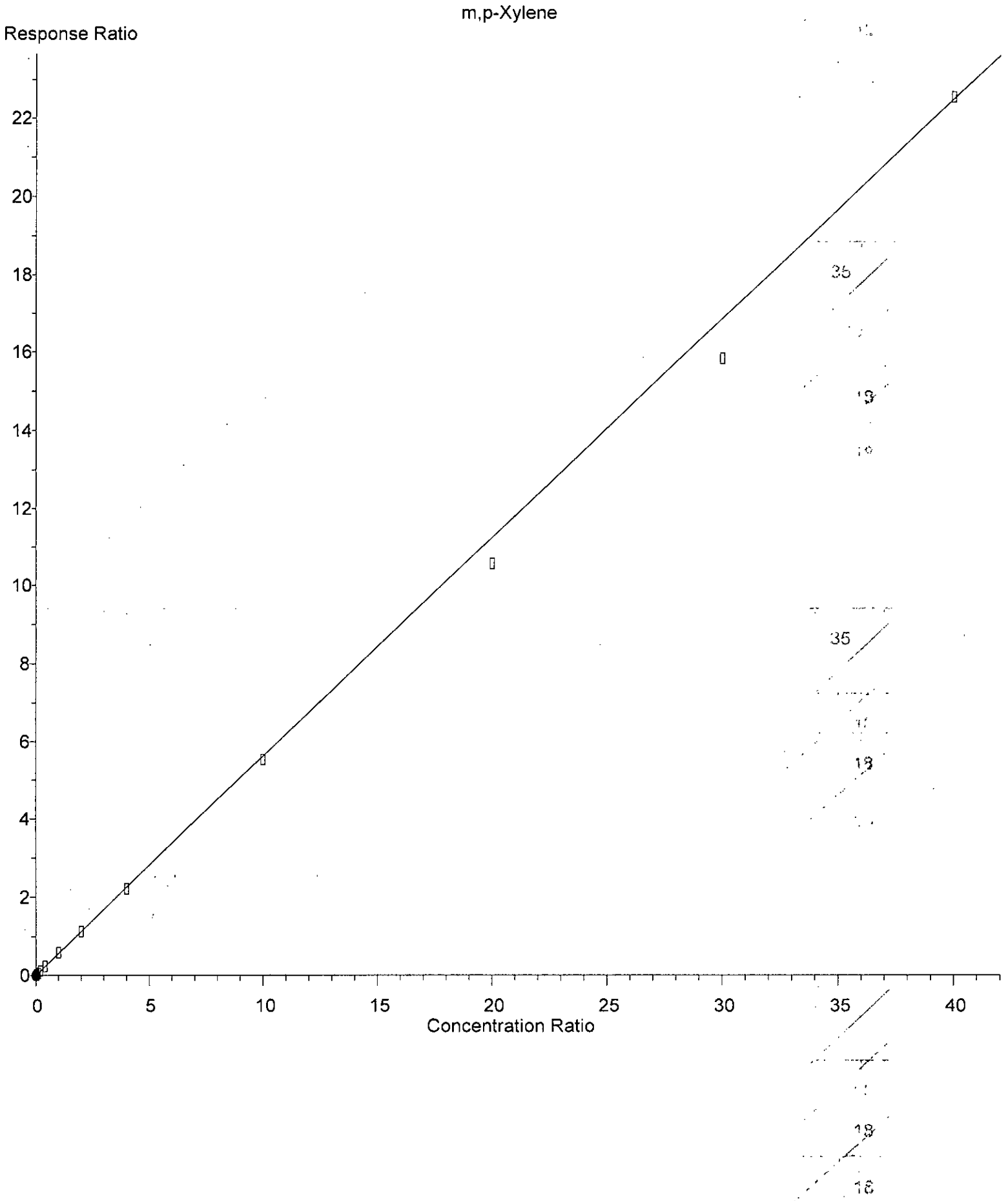
Response = 7.063e-001 * Amt + 8.577e-004
Coef of Det (r^2) = 0.998876 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



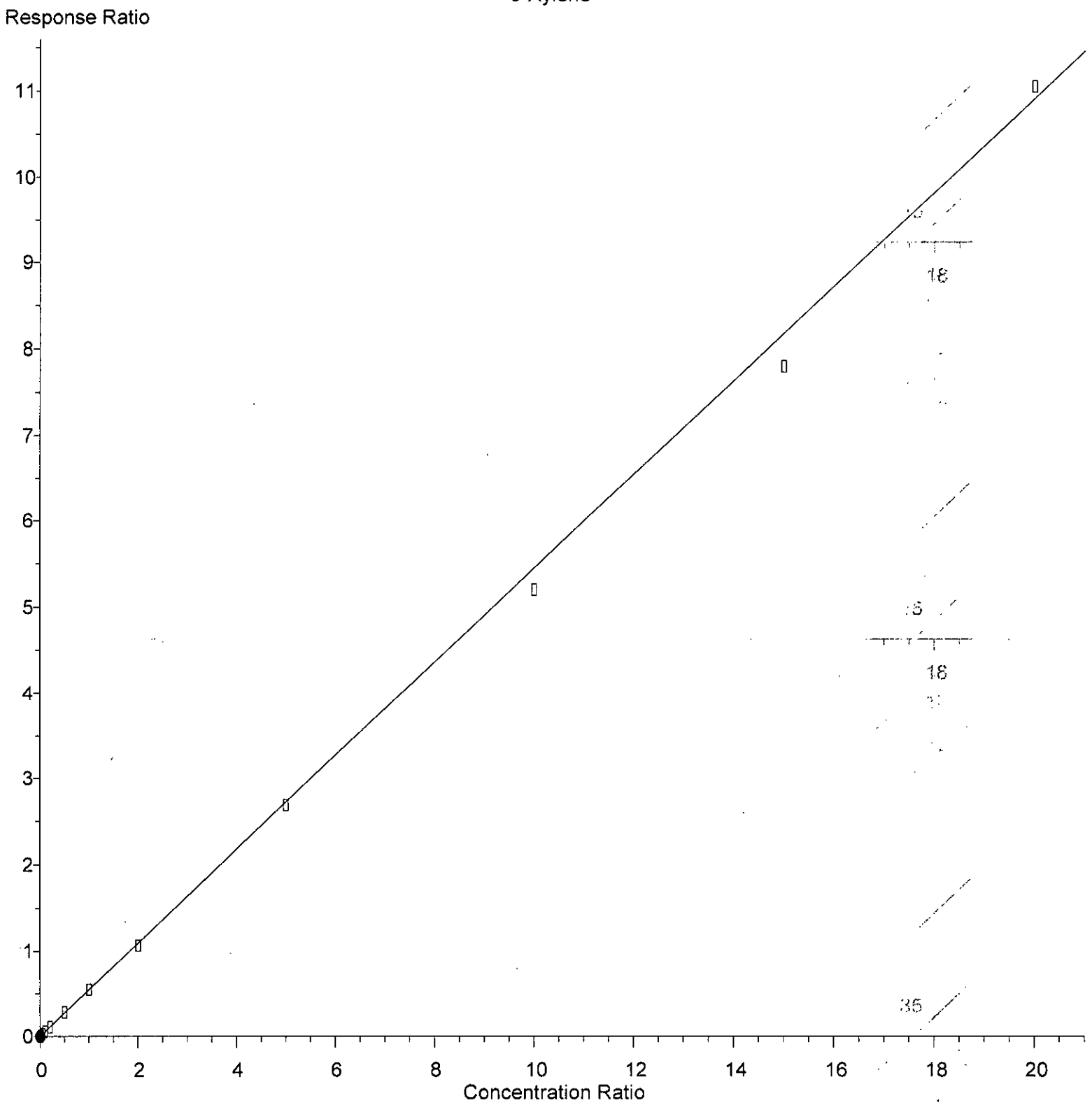
Response = 4.296e-001 * Amt + 3.371e-004
Coef of Det (r^2) = 0.998058 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



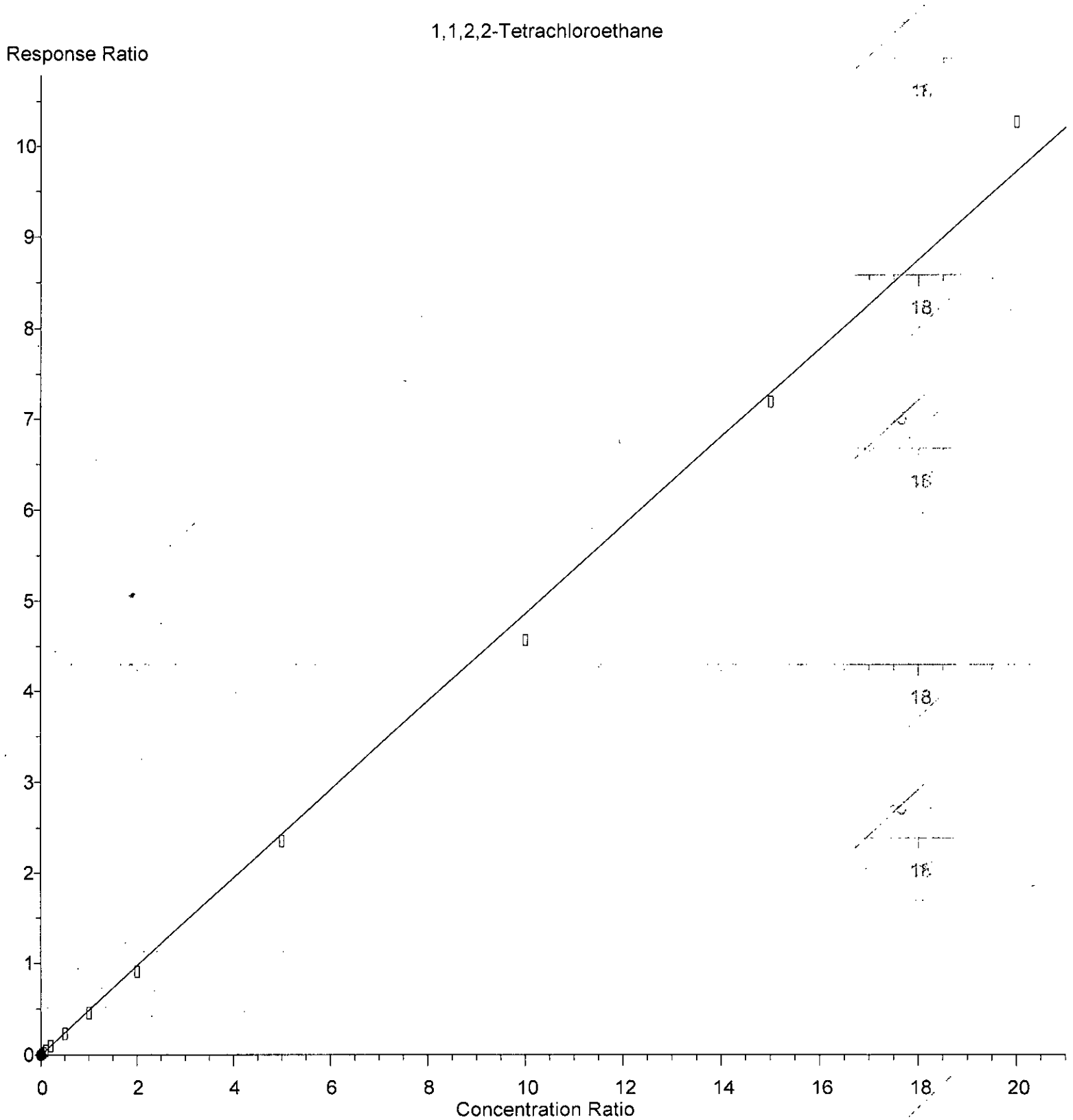
Response = 1.276e+000 * Amt + 8.339e-004
Coef of Det (r^2) = 0.998331 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



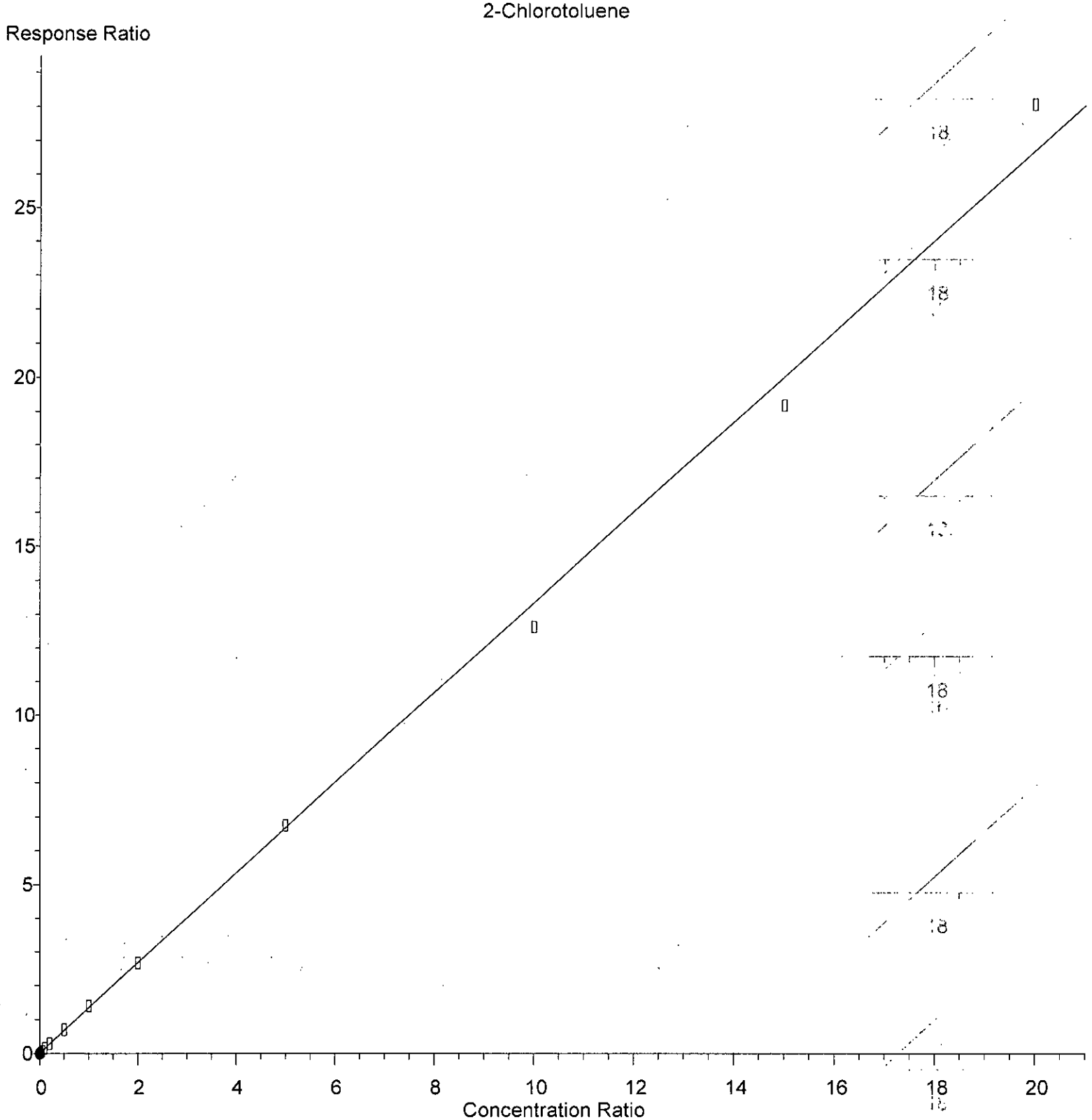
Response = 5.621e-001 * Amt + 8.332e-004
Coef of Det (r^2) = 0.998464 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



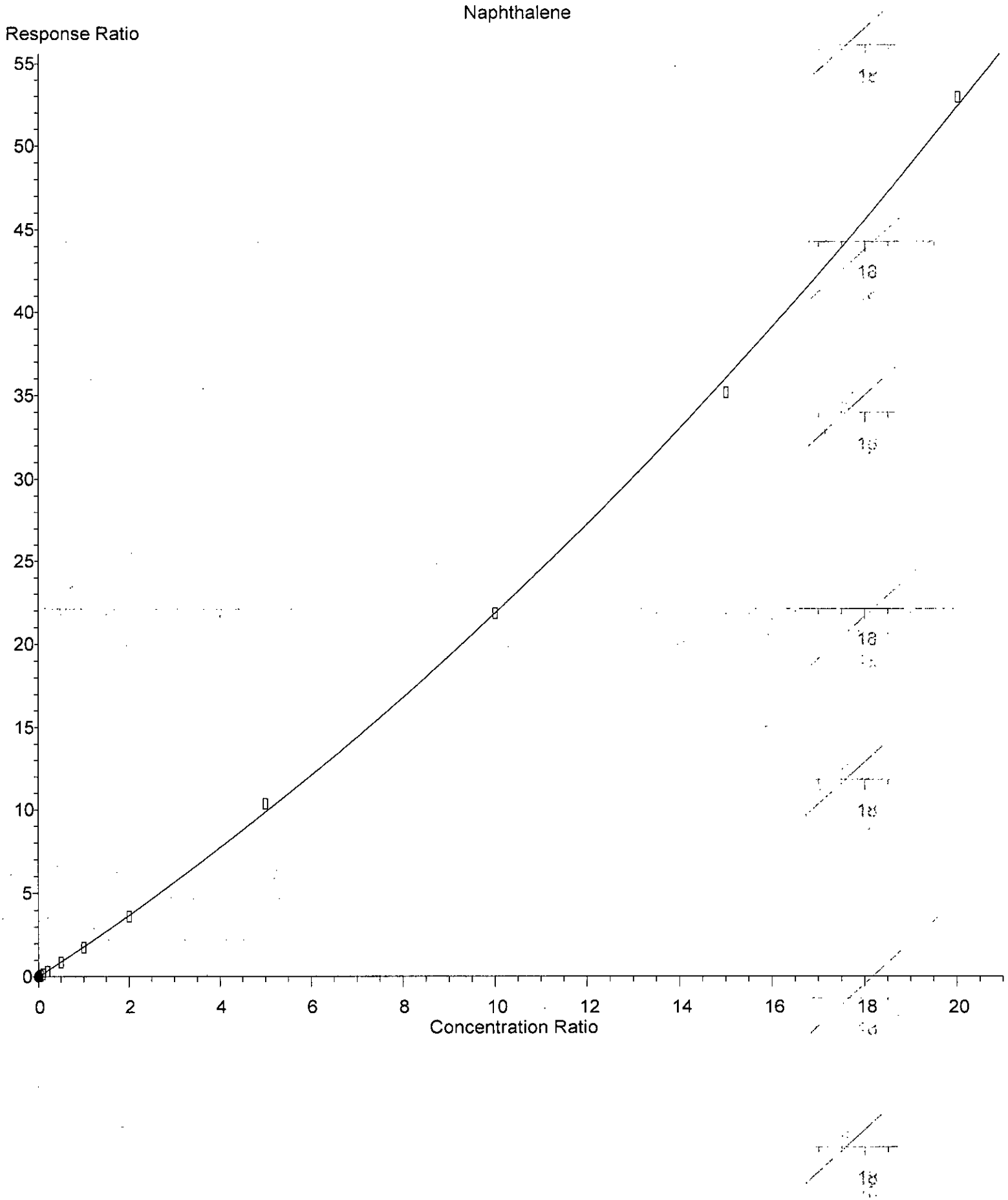
Response = 5.454e-001 * Amt + 3.132e-004
Coef of Det (r^2) = 0.998521 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



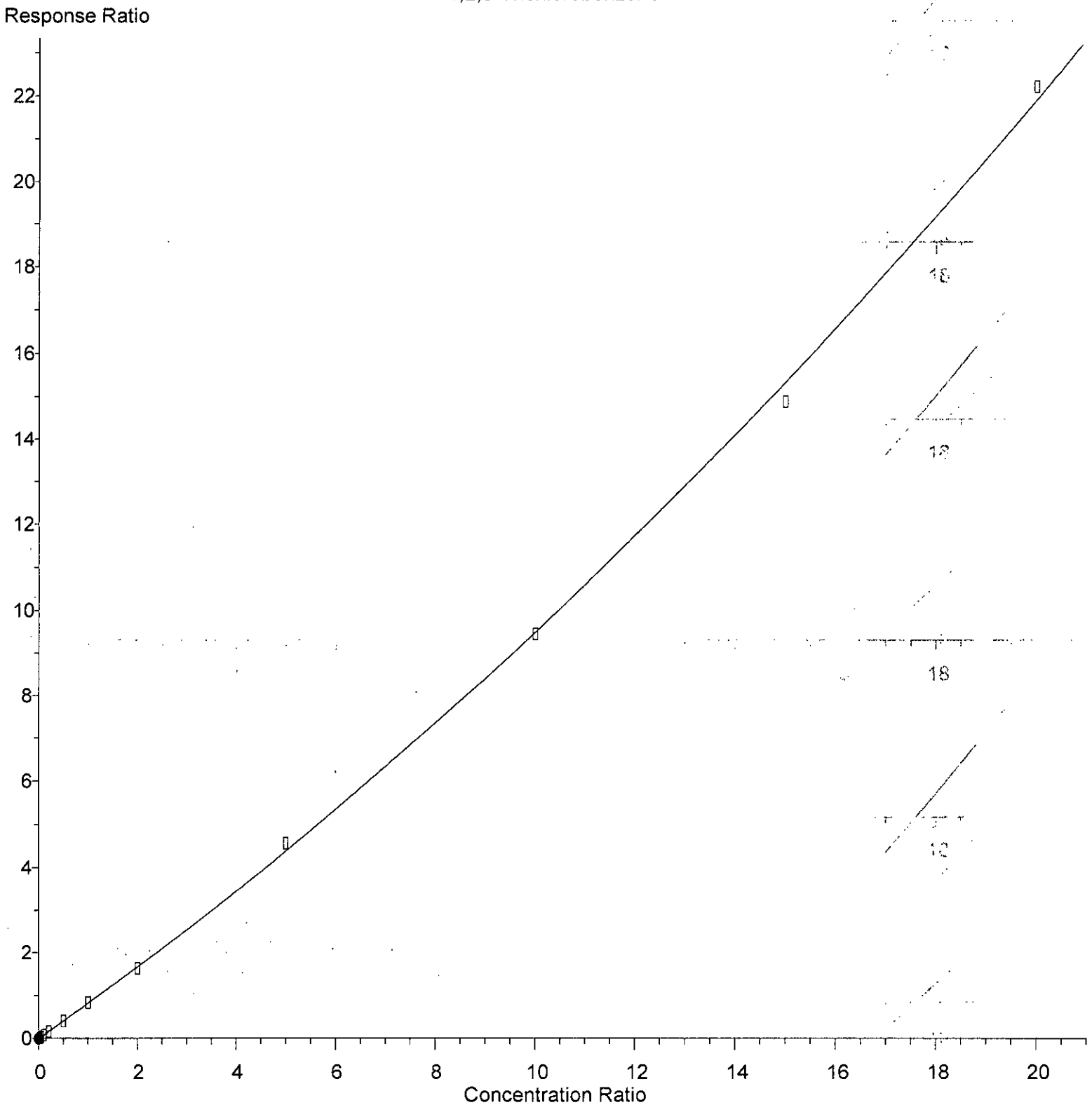
Response = 4.862e-001 * Amt - 1.651e-003
Coef of Det (r^2) = 0.997700 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



Response = 1.335e+000 * Amt + 7.919e-003
Coef of Det (r^2) = 0.997850 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



R = 4.324e-002 A*A + 1.754e+000 A - 1.767e-003
Coef of Det (r^2) = 0.999571 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

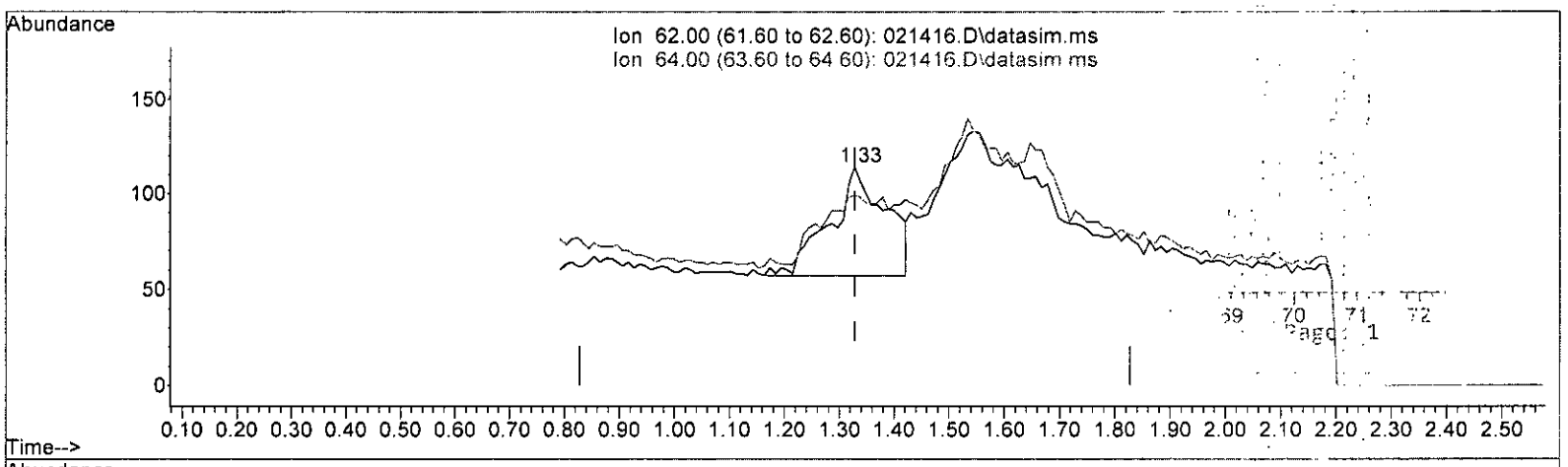


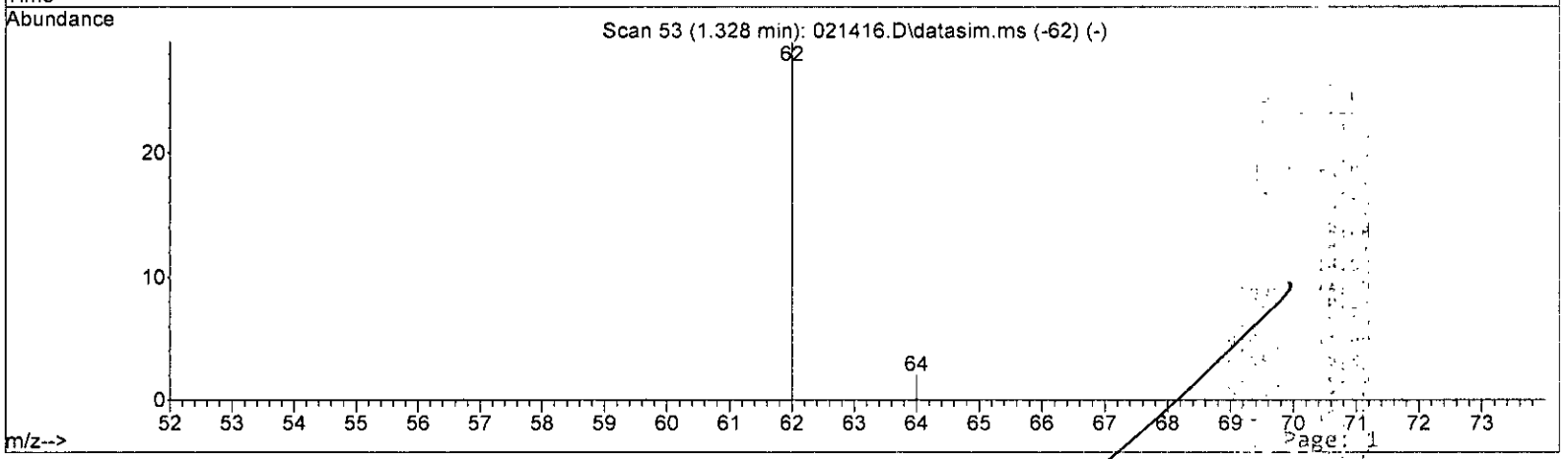
R = 1.463e-002 A*A + 8.032e-001 A - 1.770e-003
Coef of Det (r^2) = 0.999526 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.117 ppb
response 399

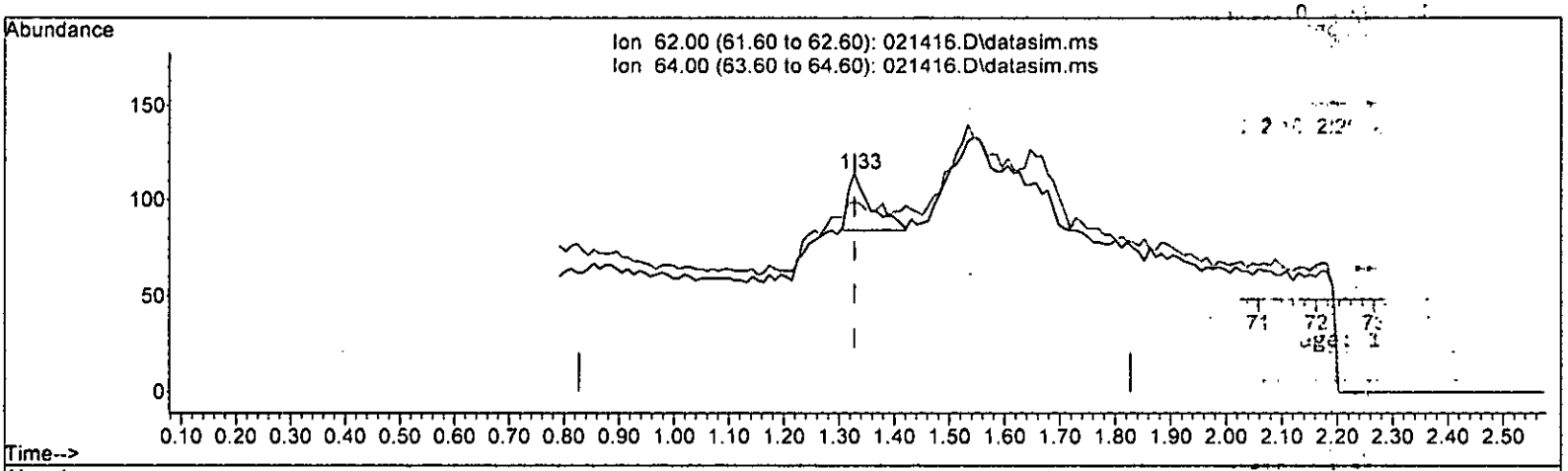
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	64.91#
0.00	0.00	0.00
0.00	0.00	0.00

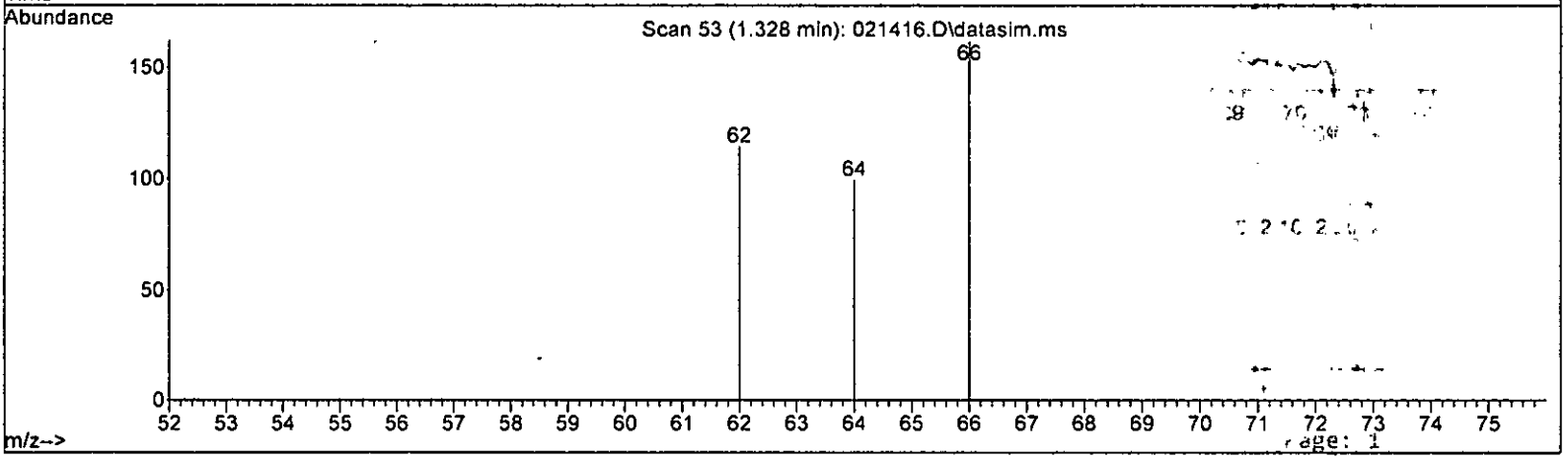
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.000) 0.030 ppb m

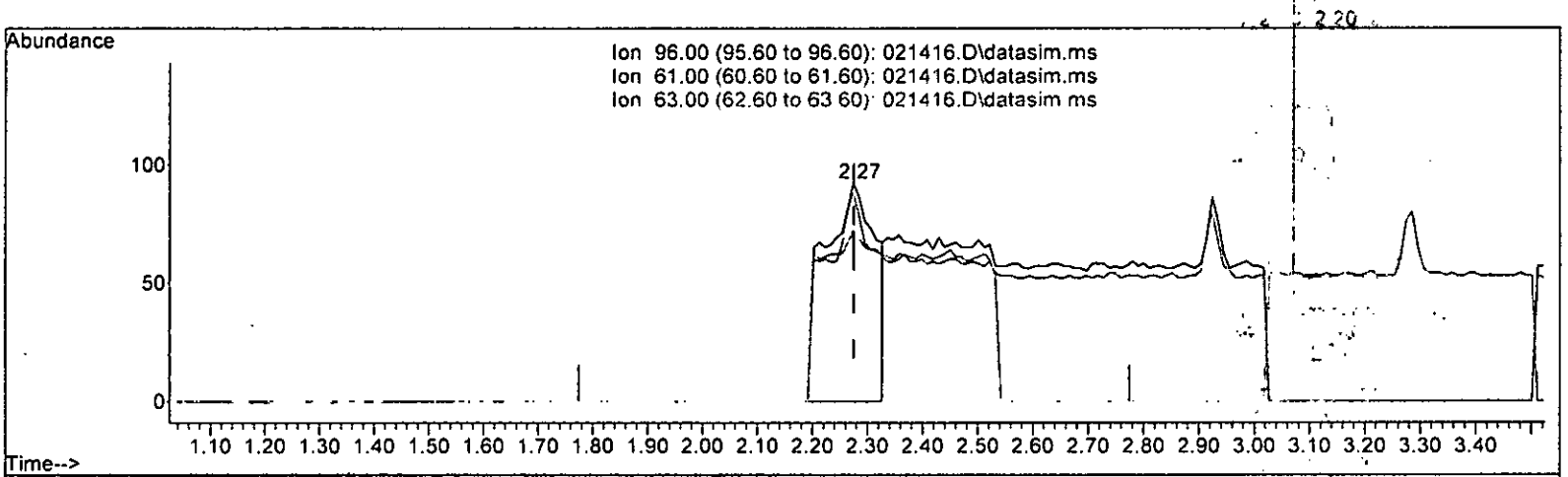
response 84

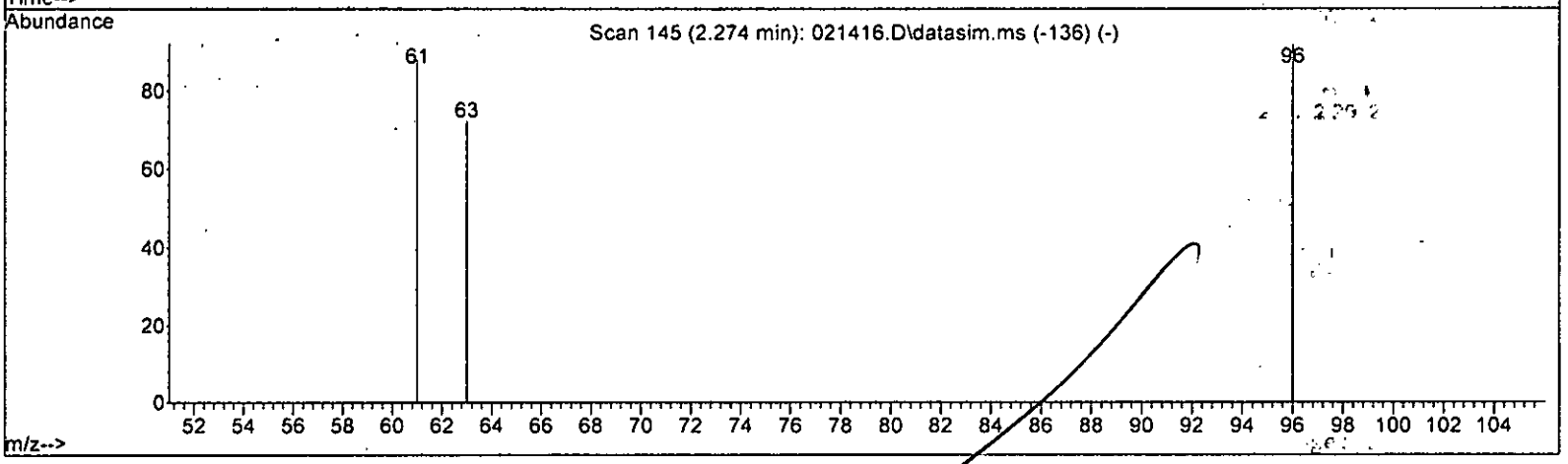
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	86.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

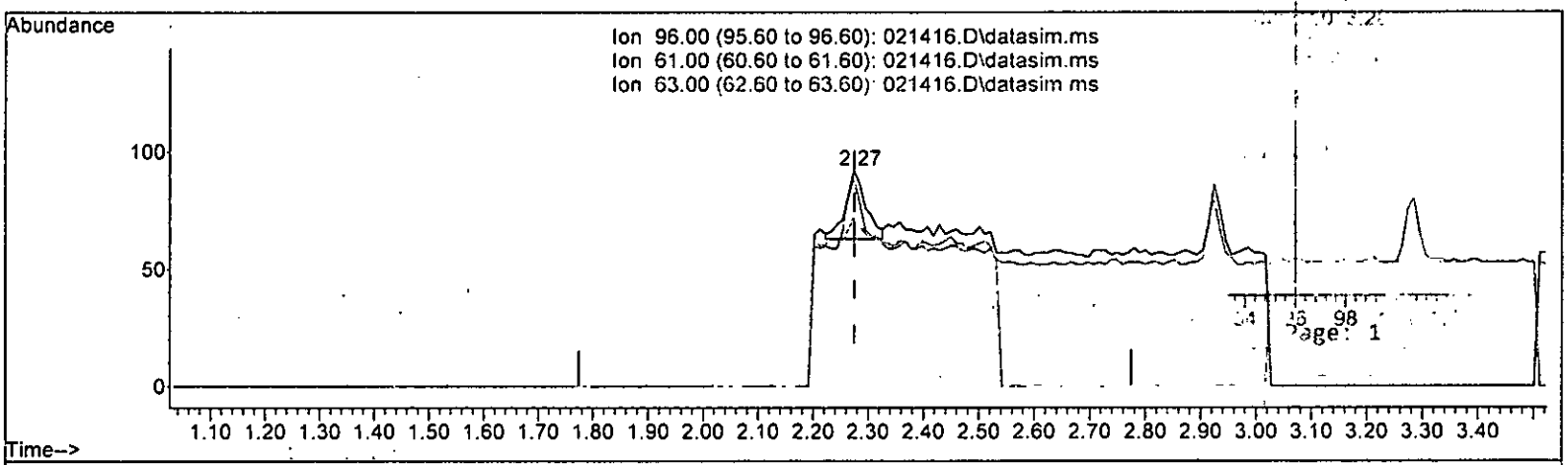
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.206 ppb
response 585

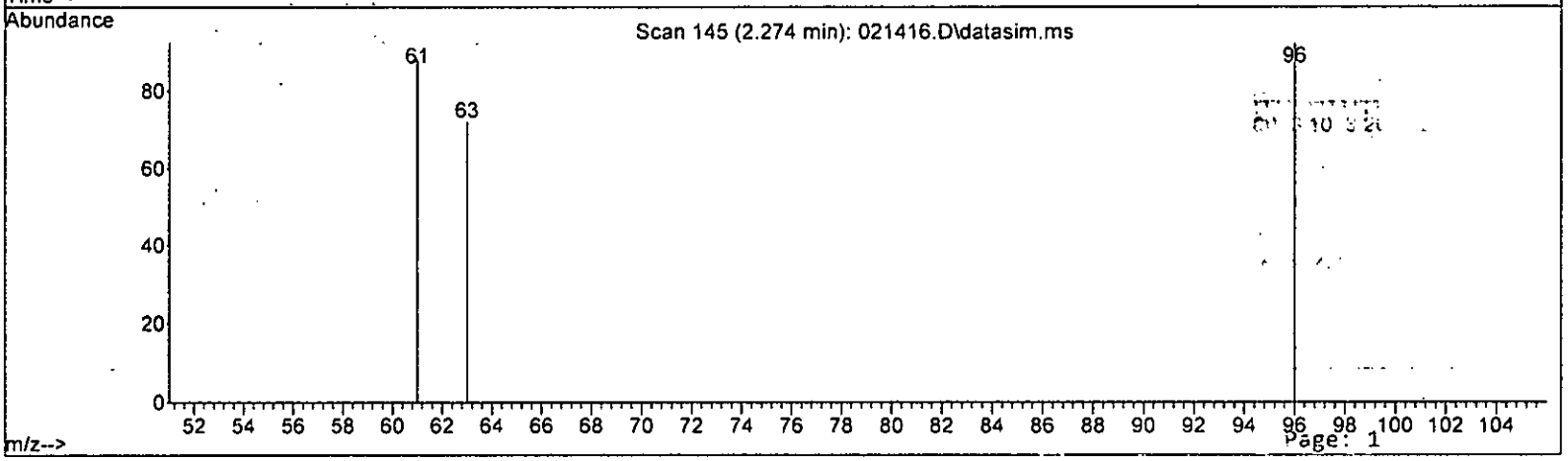
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

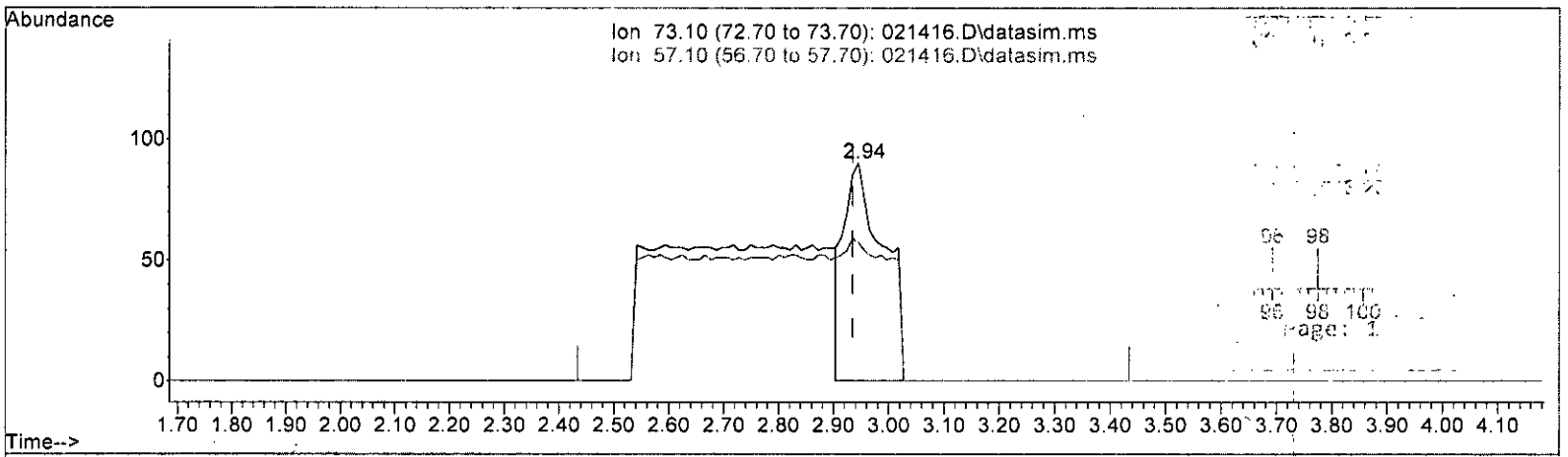
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.026 ppb m
response 74

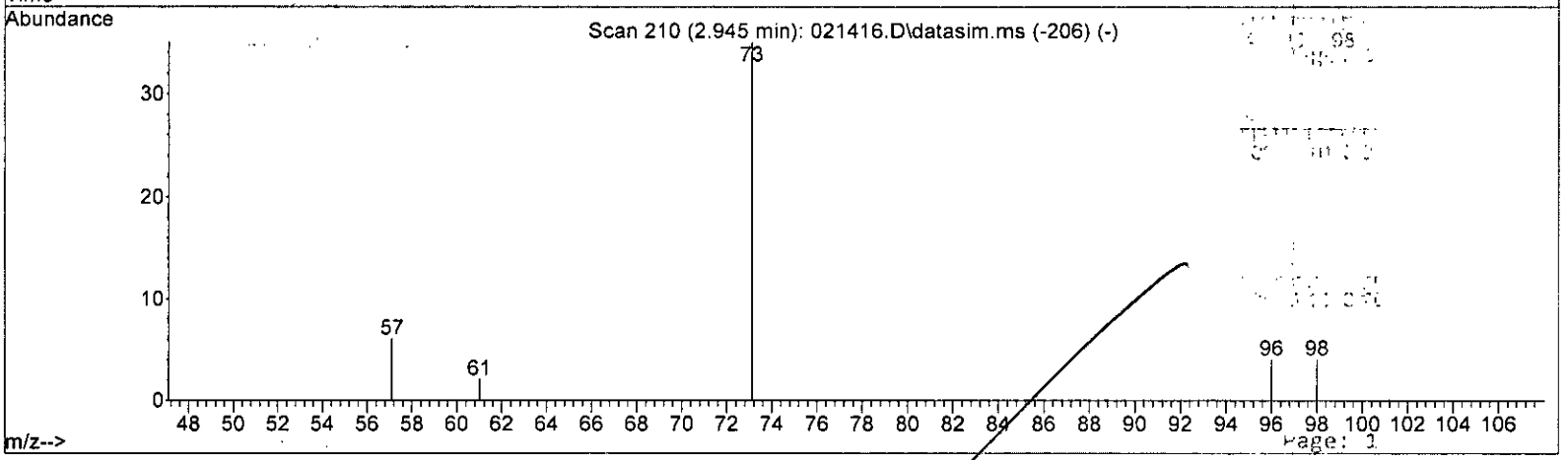
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

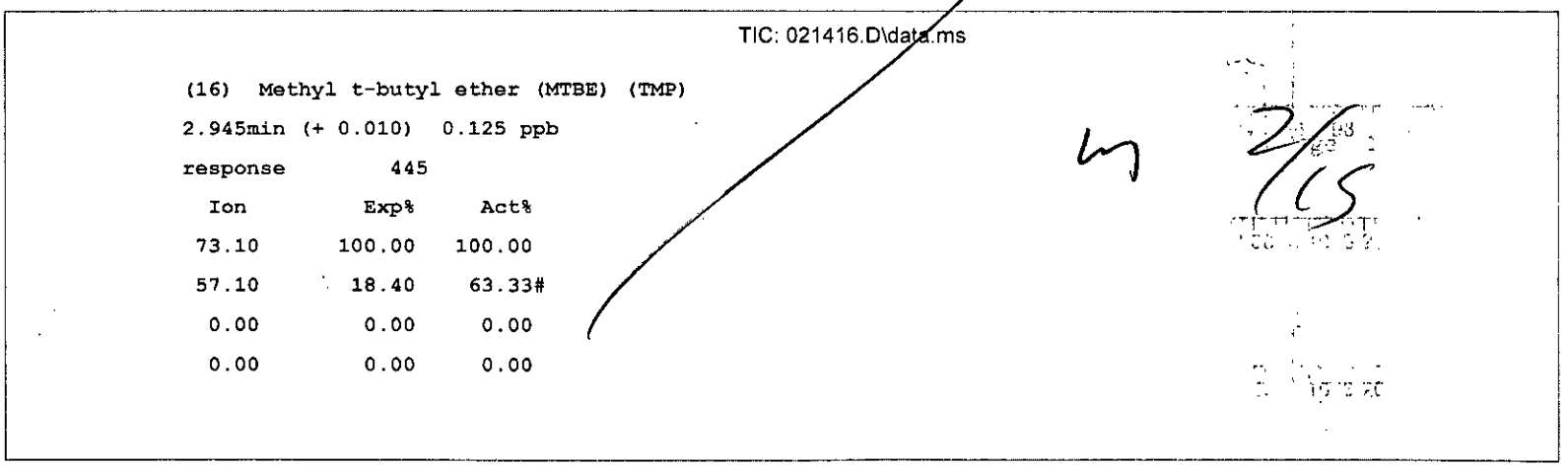
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







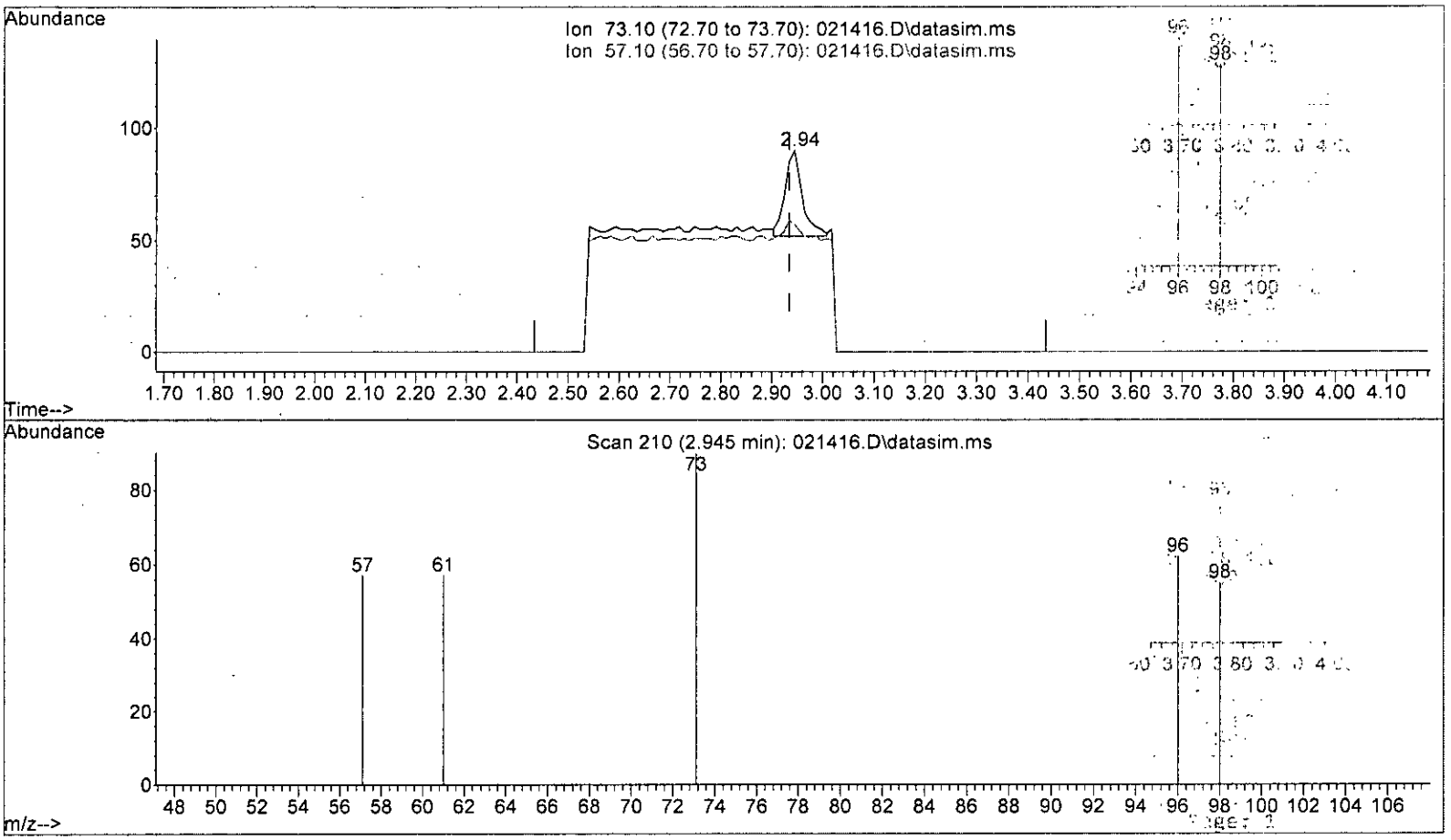
(16) Methyl t-butyl ether (MTBE) (TMP)
2.945min (+ 0.010) 0.125 ppb
response 445

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021416.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.025 ppb m

response 89

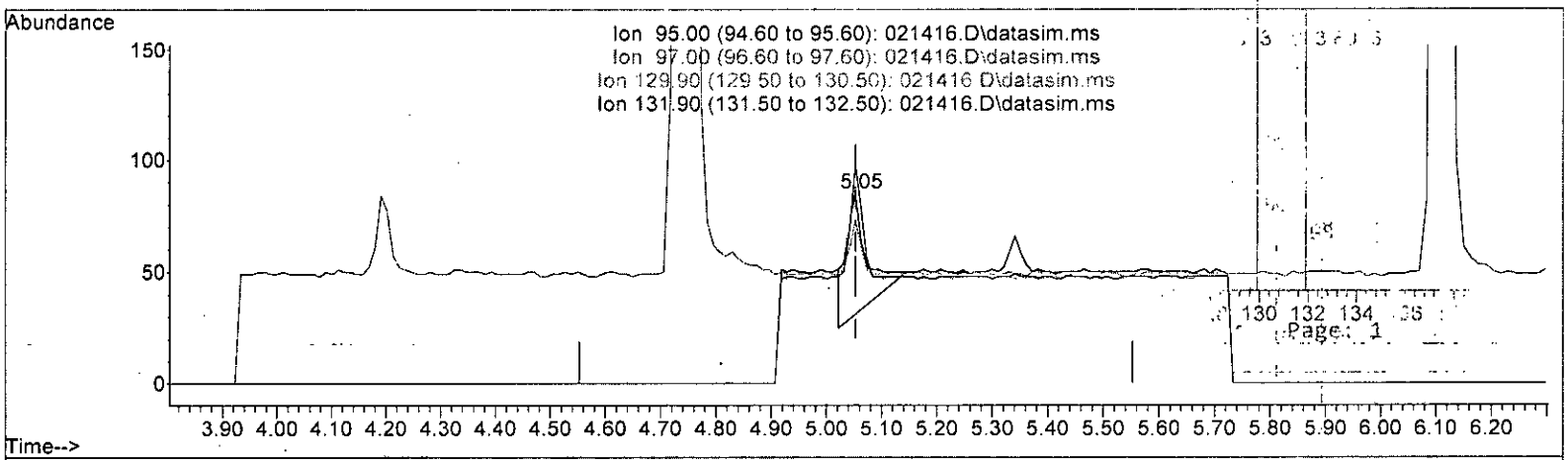
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

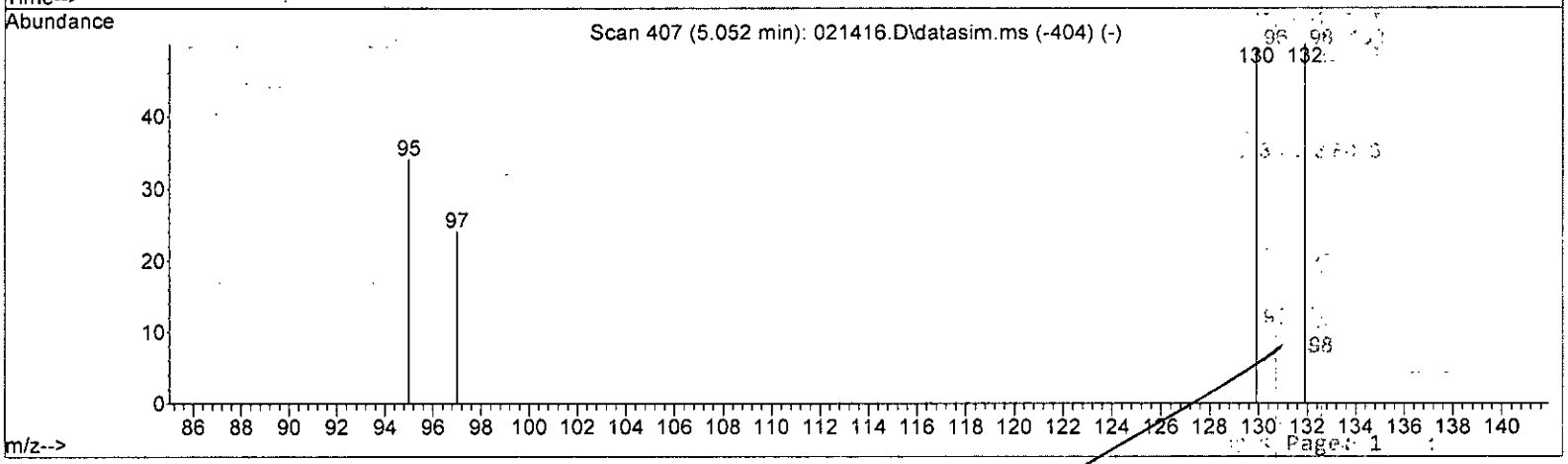
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)
5.052min (-0.001) 0.058 ppb
response 142

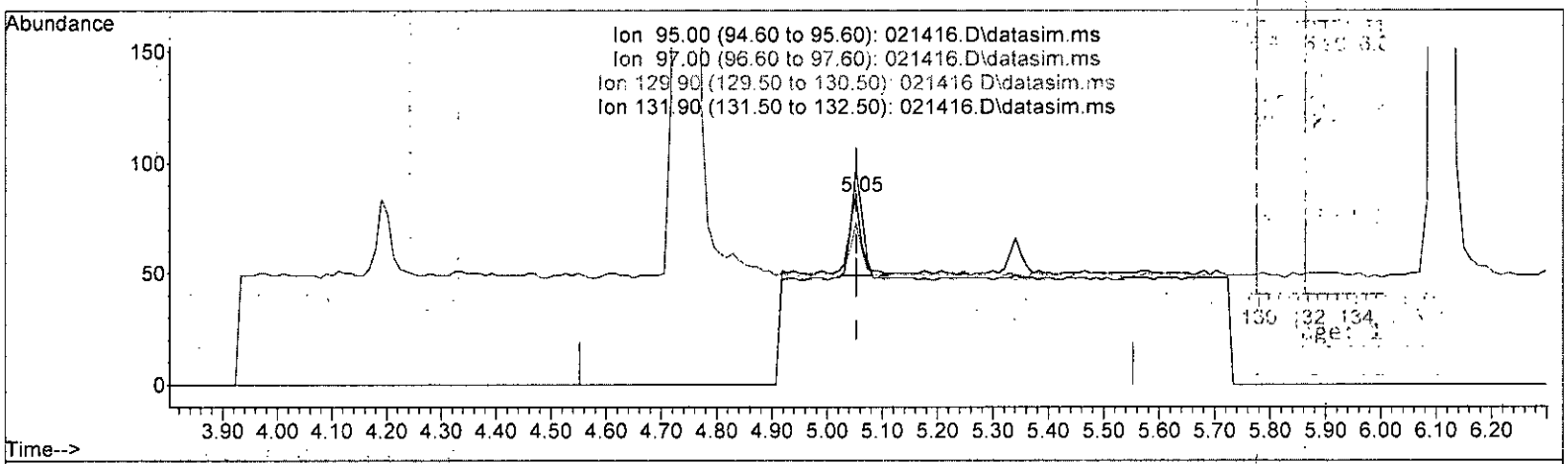
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.57
129.90	158.20	142.86
131.90	155.20	142.86

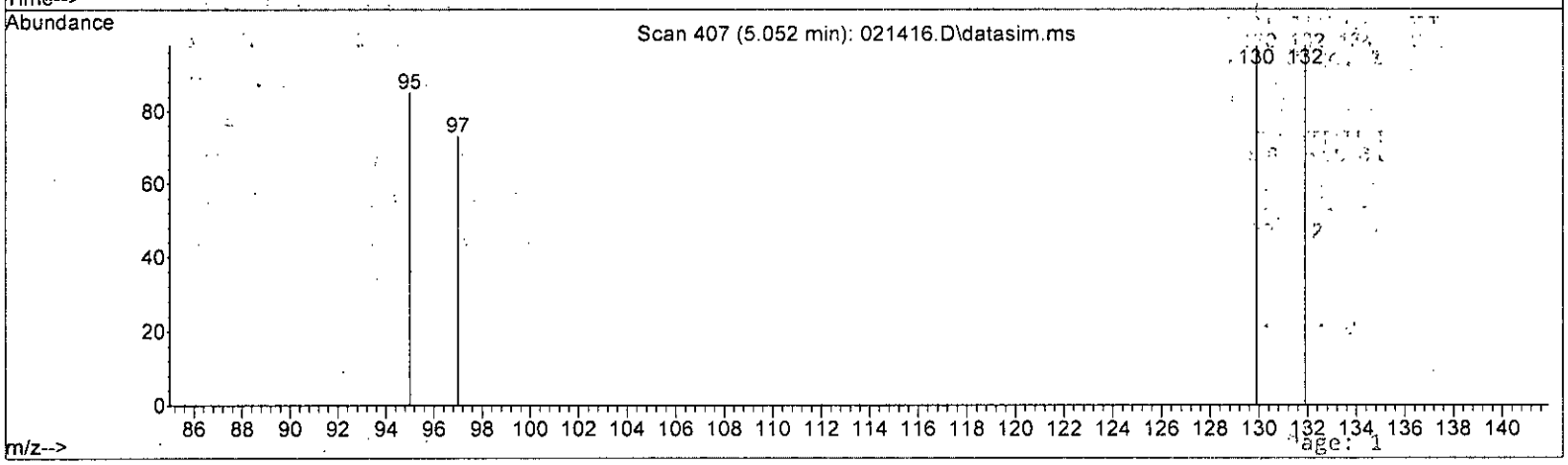
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.016 ppb m

response 56

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	85.88
129.90	158.20	115.29#
131.90	155.20	115.29#

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	64603	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	58994	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33520	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20700	10.262	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.45	102	4315	10.774	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 107.70%			
35) Toluene-d8	6.10	98	61202	10.174	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.70%			
57) 4-Bromofluorobenzene	8.51	95	21086	10.203	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D. d		
5) Chloromethane	0.00		0	N.D. d		
6] Vinyl chloride	1.33	62	84m	0.030	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12] 1,1-Dichloroethene	2.27	96	74m	0.026	ppb	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.94	73	89m	0.025	ppb	
17) trans-1,2-Dichloroethene	0.00		0	N.D. d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D. d		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	46	0.024	ppb	95
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D. d		
27] 1,1,1-Trichloroethane	4.19	97	62	0.022	ppb	94
28) 1,1-Dichloropropene	0.00		0	N.D. d		
29) Carbon tetrachloride	0.00		0	N.D. d		
31] Benzene	4.50	78	137	0.020	ppb	96
32] Trichloroethene	5.05	95	56m	0.016	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

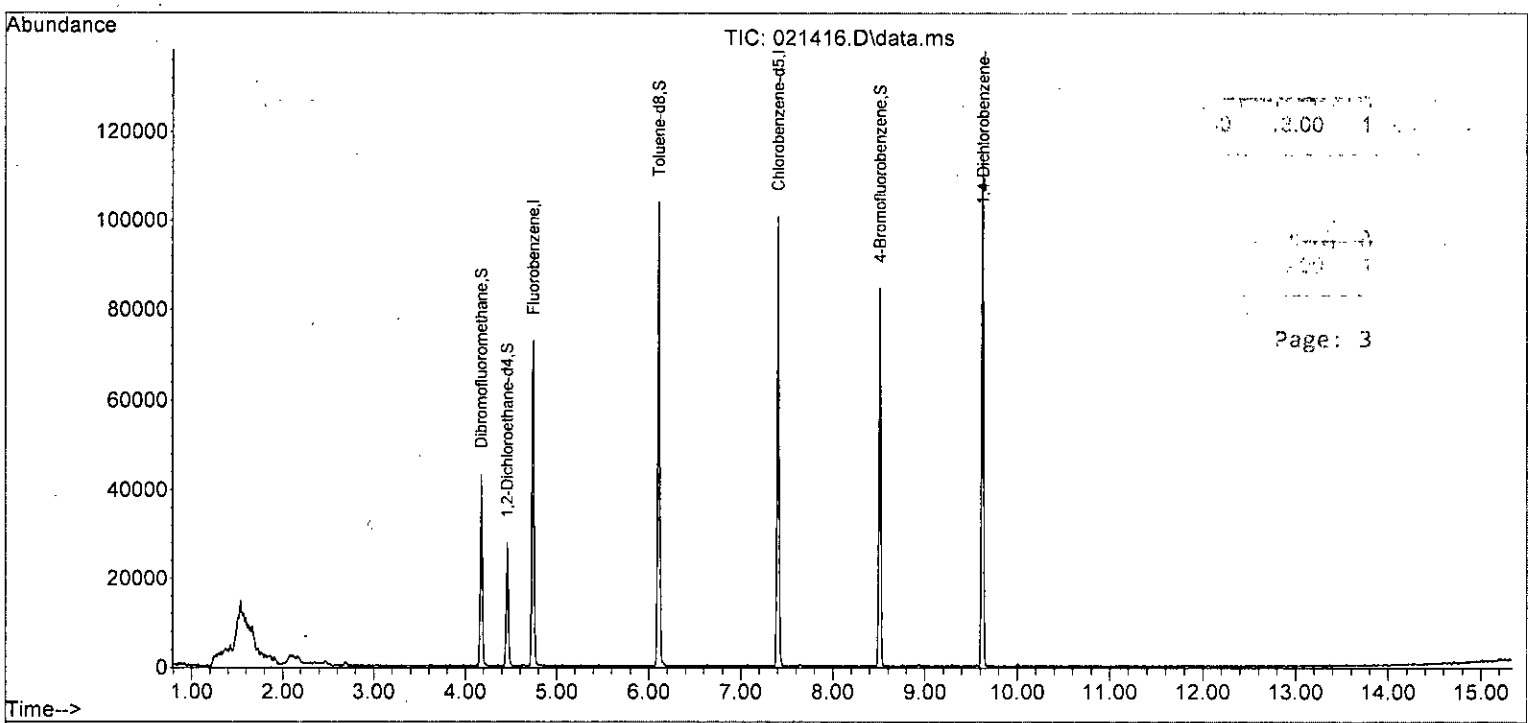
Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	131	0.019	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	68	0.019	ppb	98
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D. d		
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	192	0.019	ppb	100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	177	0.039	ppb	98
52] o-Xylene	8.02	106	80	0.019	ppb	97
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

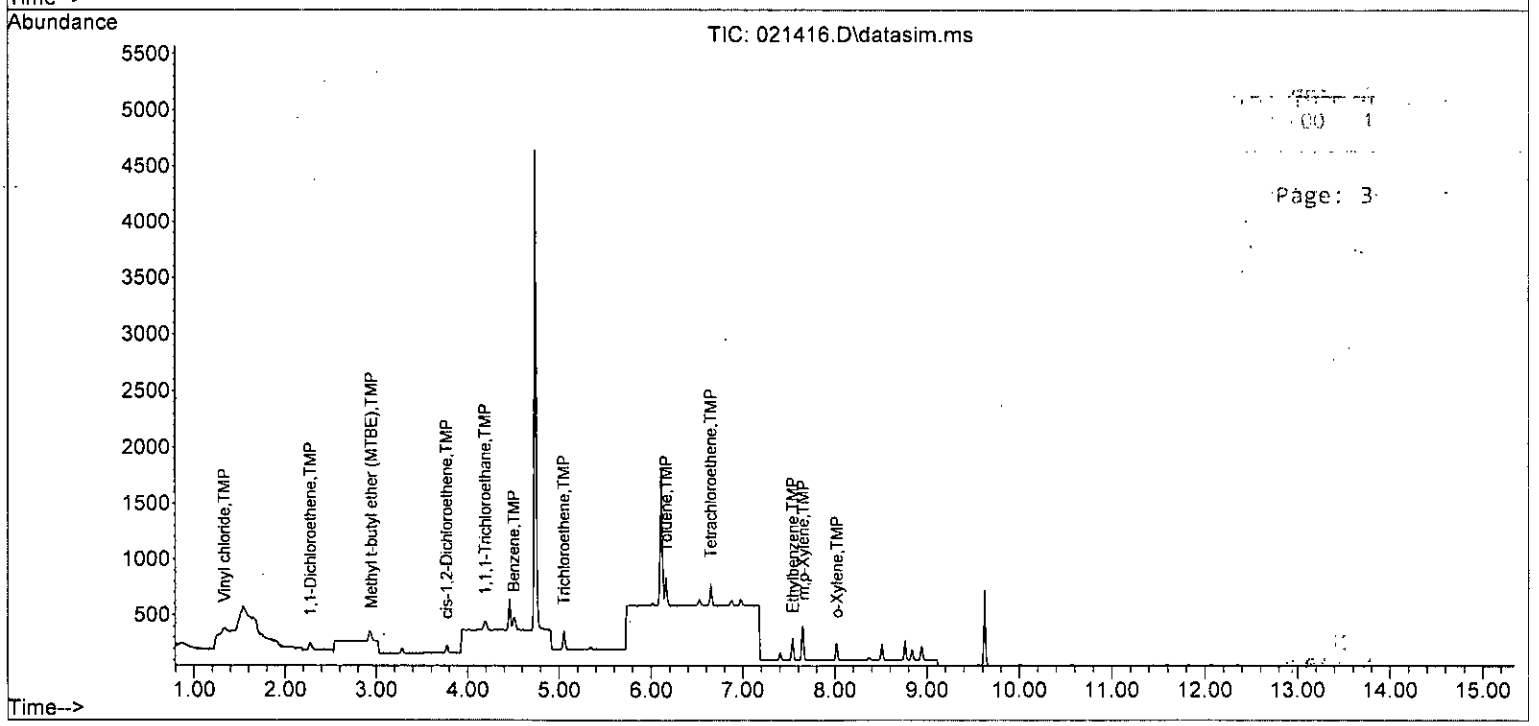
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



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Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.01
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.262	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.020	0.030	-50.0#	109	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.020	0.026	-30.0#	110	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.025	-25.0#	114	0.01
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.92#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.020	0.024	-20.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.52#
27	TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	10.774	-7.7	100	0.00
31	TMP	Benzene	0.020	0.020	0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.016	20.0	88	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.174	-1.7	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.020	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.019	5.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.020	0.019	5.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.020	0.019	5.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.019	5.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.203	-2.0	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.01
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.650	-22.2#	109	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.573	-30.2#	110	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.689	-24.8#	114	0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.000#	100.0#	0#	-2.92#
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.356	-17.9	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.000#	100.0#	0#	-4.52#
27	TMP	1,1,1-Trichloroethane	0.437	0.480	-9.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.067	-8.1	100	0.00
31	TMP	Benzene	0.876	1.060	-21.0#	100	0.00
32	TMP	Trichloroethene	0.338	0.433	-28.1#	88	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.947	-1.7	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	1.110	-45.3#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.576	-27.4#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.627	-22.2#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.750	-27.1#	100	0.00
52	TMP	o-Xylene	0.566	0.678	-19.8	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

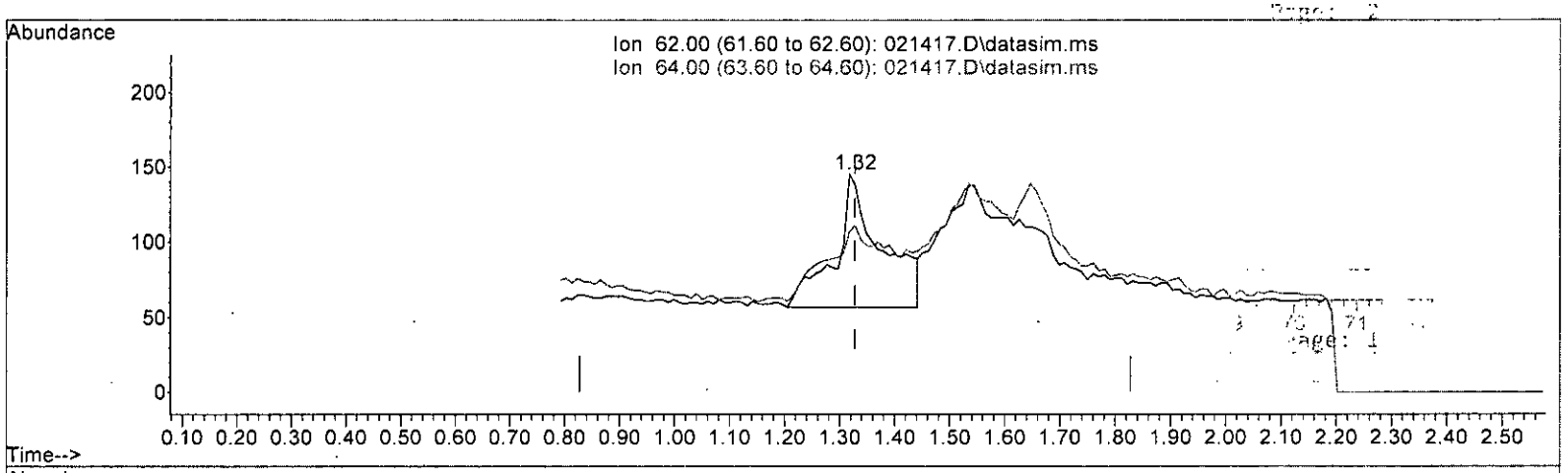
Page: 2

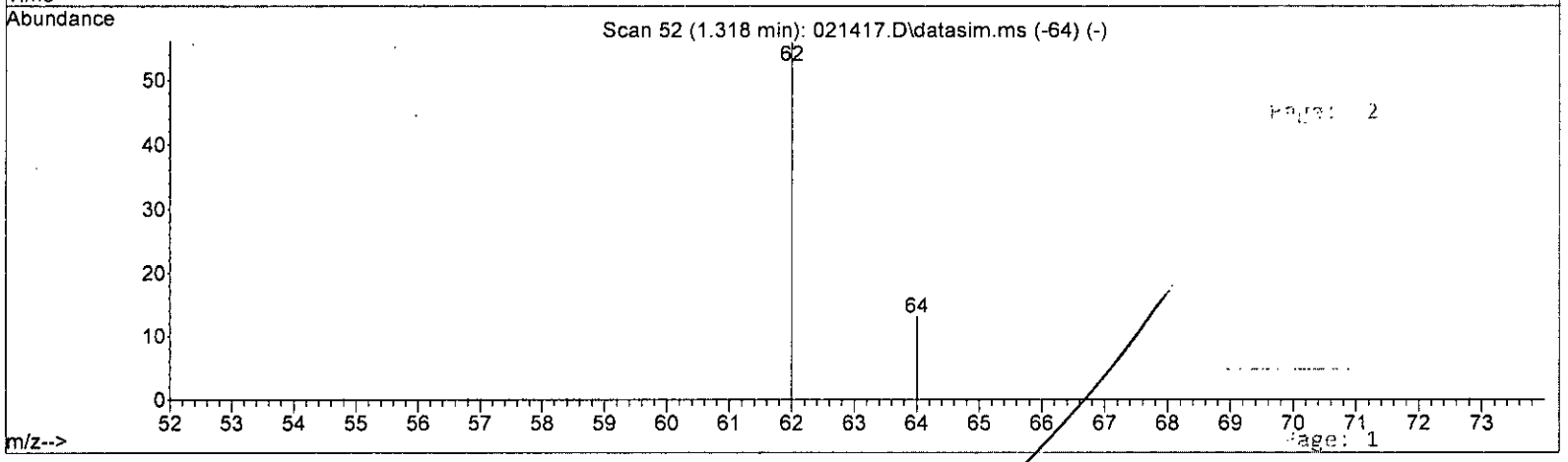
(#) = Out of Range SPCC's out = 56 CCC's out = 0

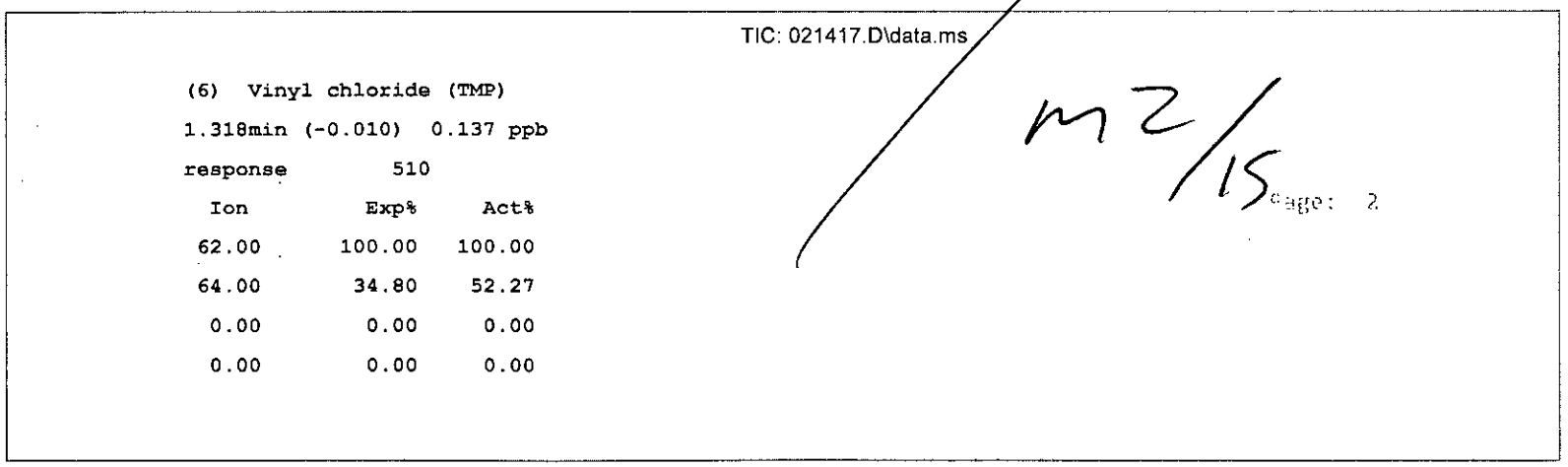
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







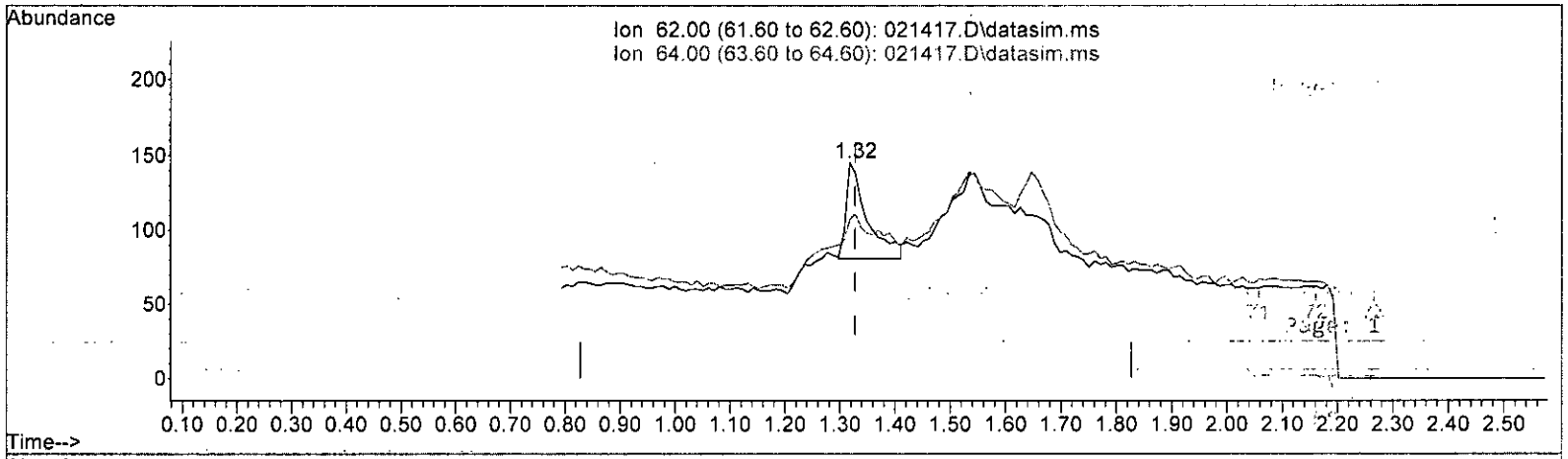
(6) Vinyl chloride (TMP)
1.318min (-0.010) 0.137 ppb
response 510

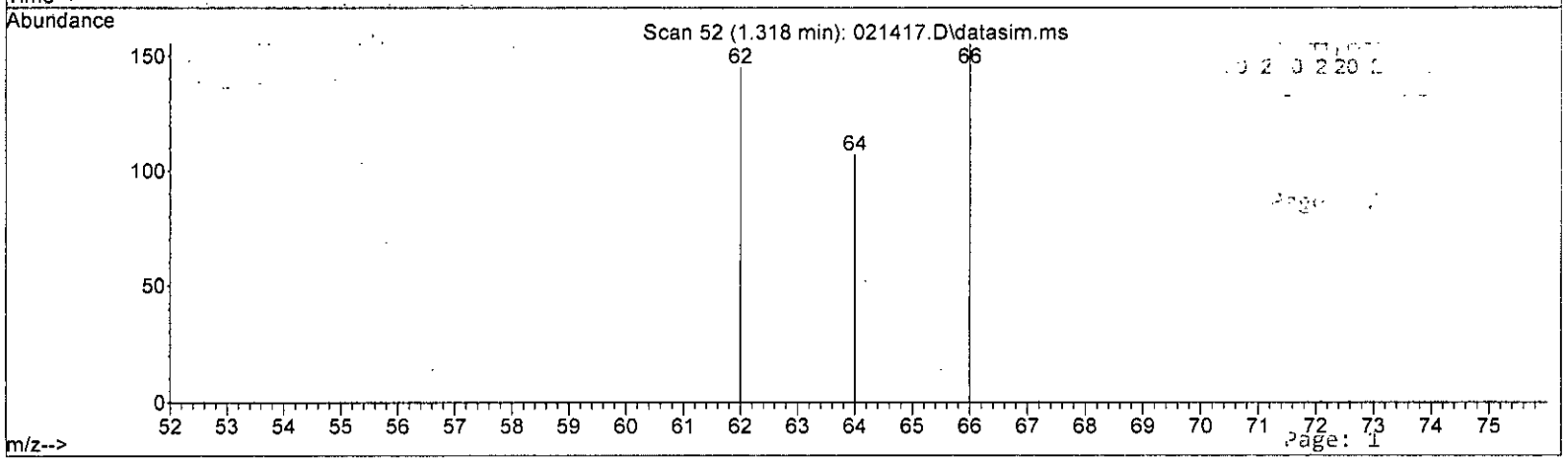
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	52.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(6) Vinyl chloride (TMP)

1.318min (-0.010) 0.050 ppb m

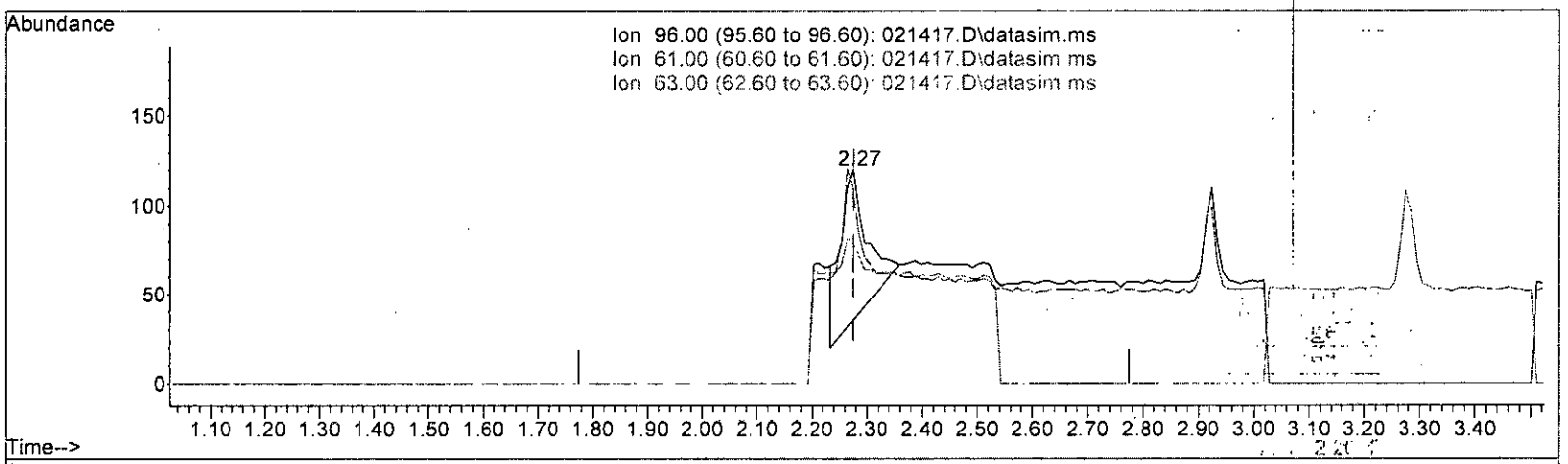
response 172

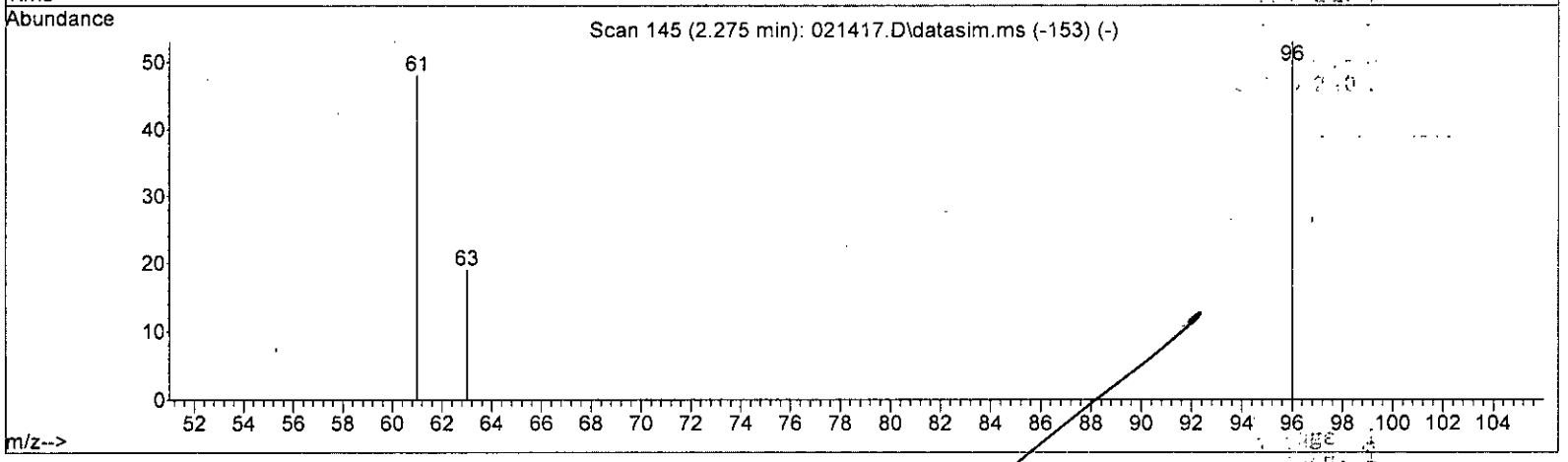
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	73.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

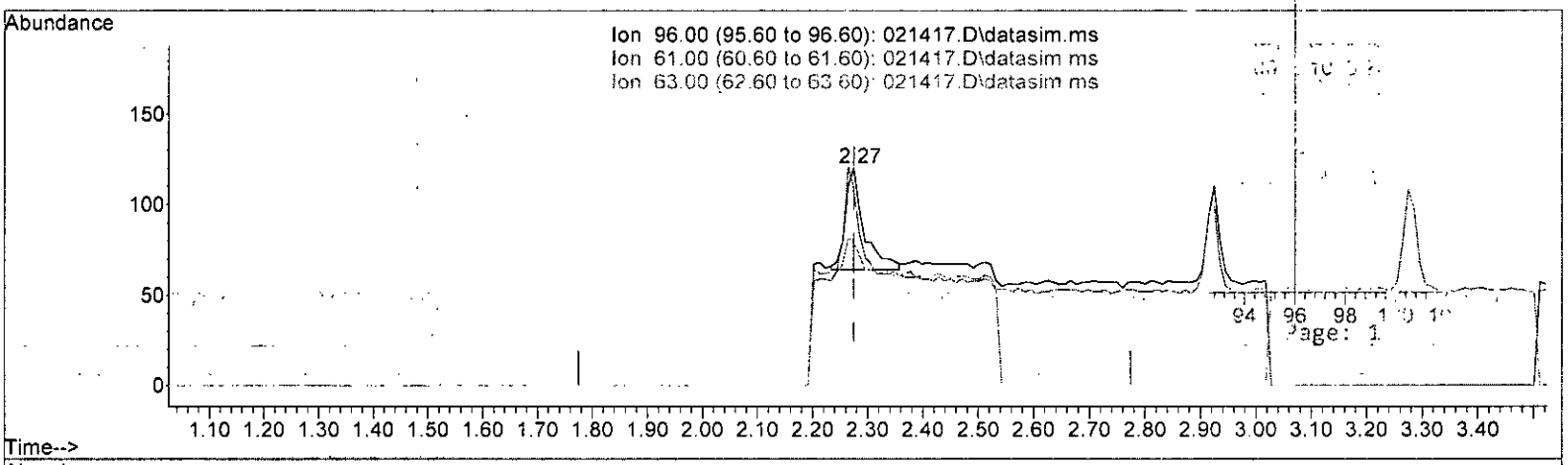
(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.093 ppb
response 288

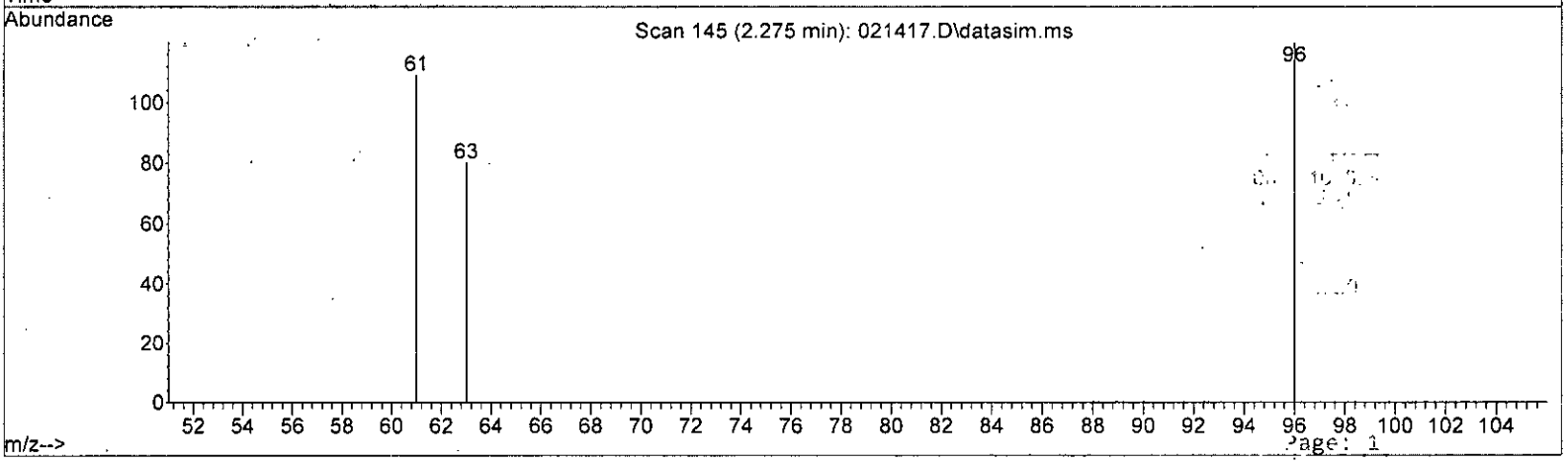
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	94.44
63.00	36.10	35.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.043 ppb m
response 132

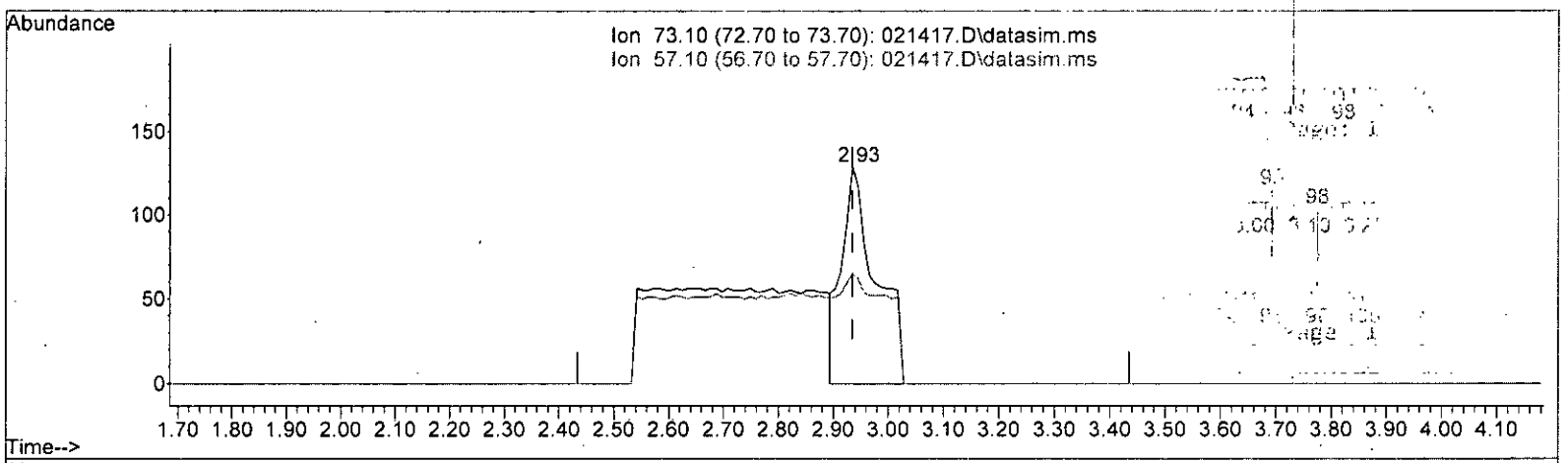
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	90.83
63.00	36.10	66.67#
0.00	0.00	0.00

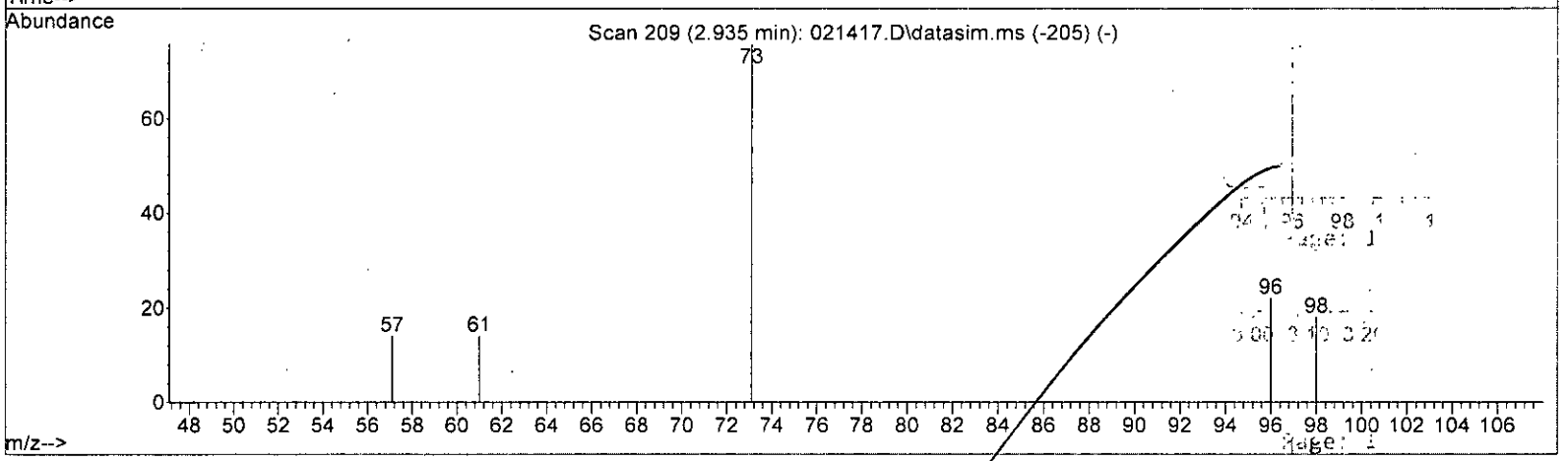
2/15

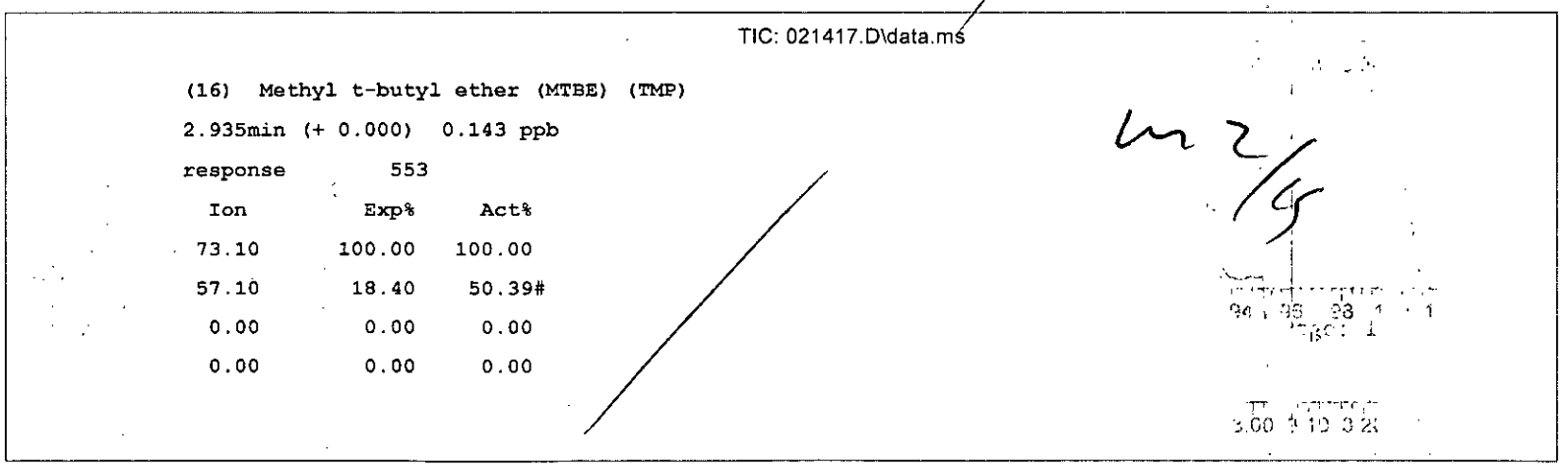
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.000) 0.143 ppb

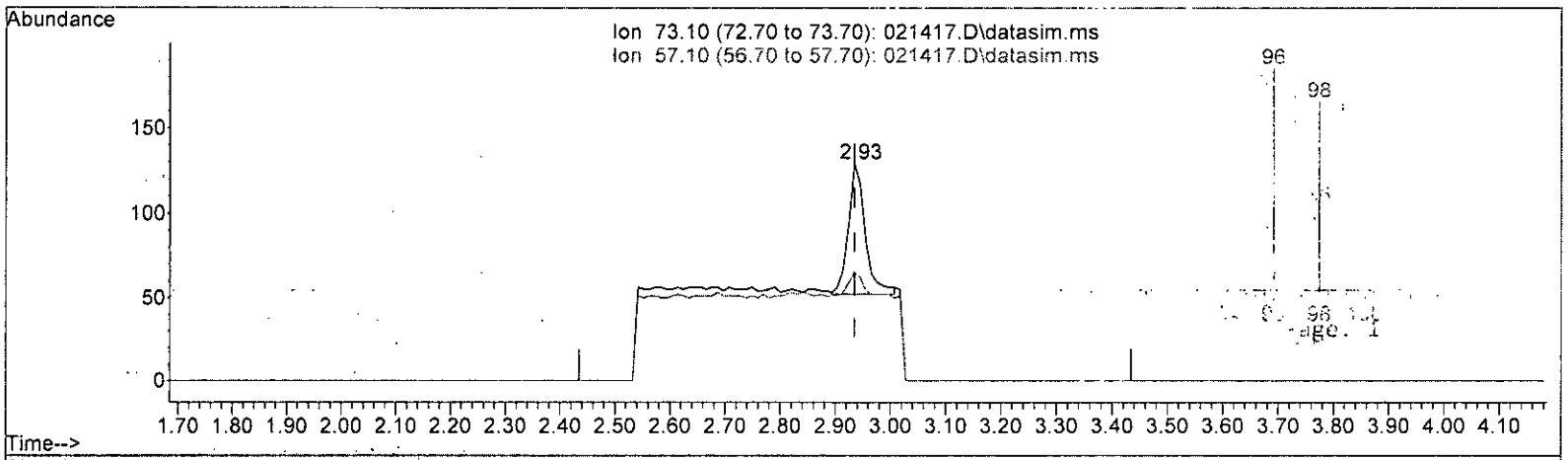
response 553

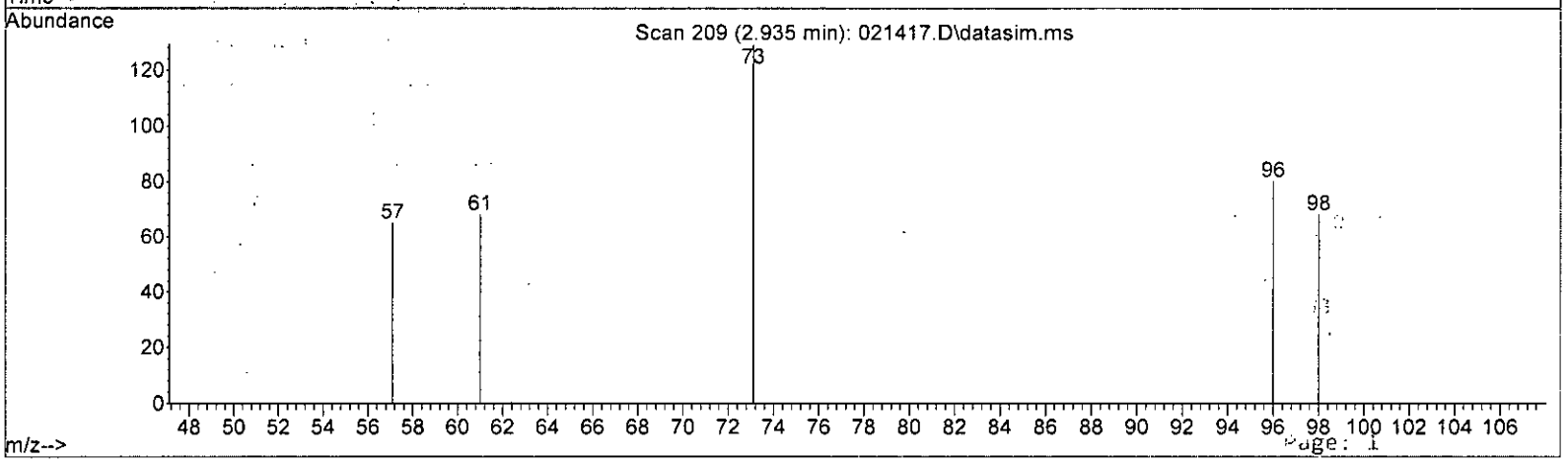
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (+ 0.000) 0.042 ppb m
response 164

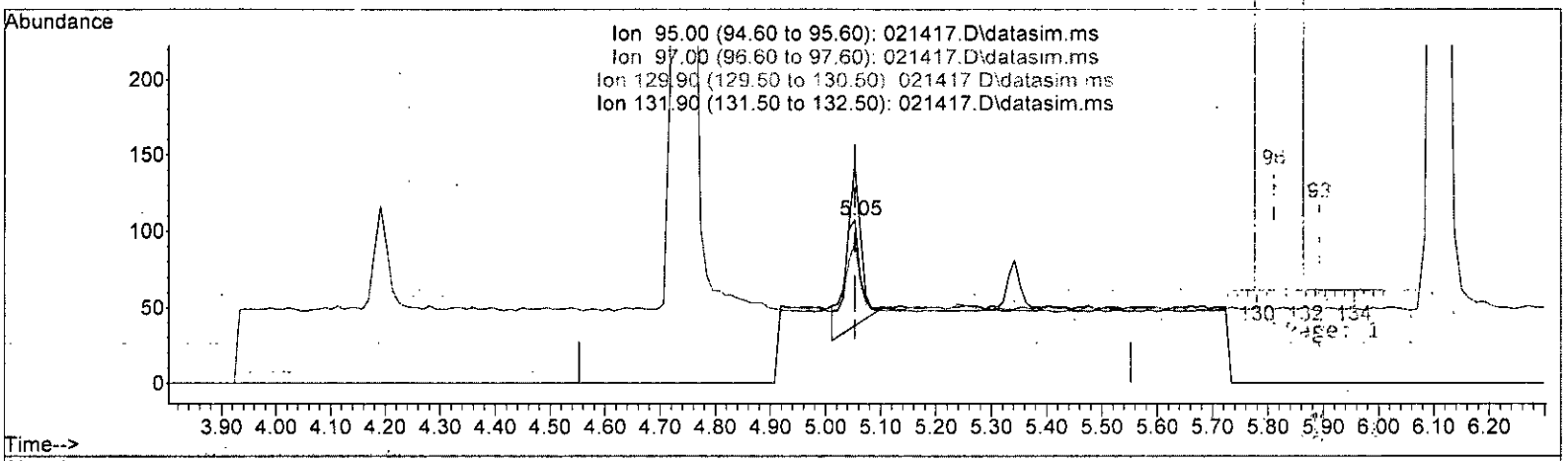
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

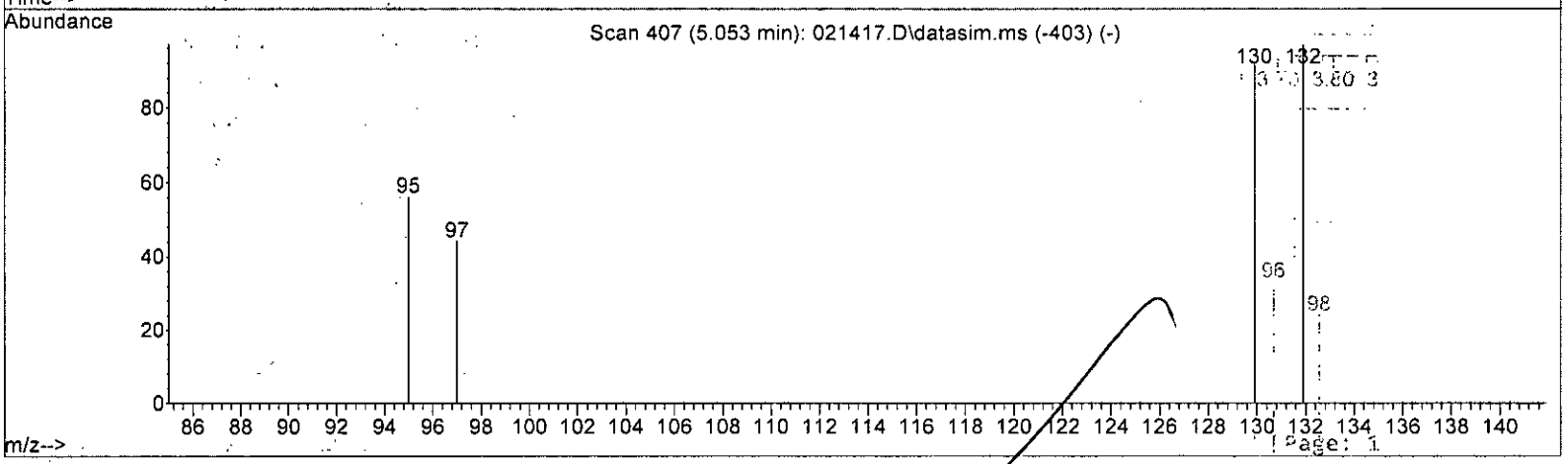
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

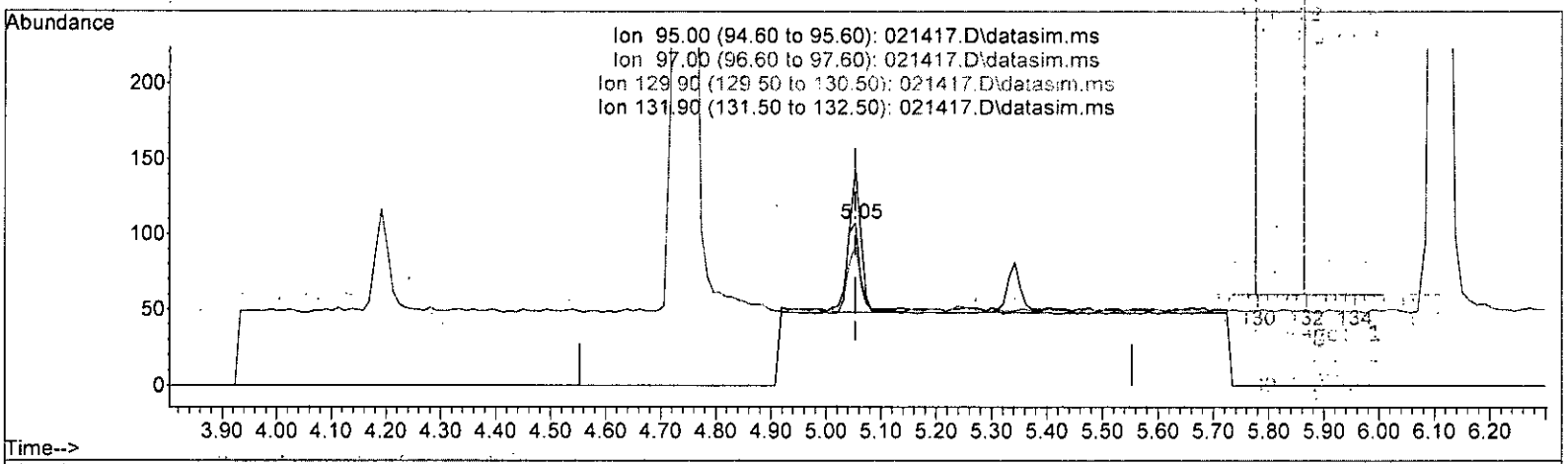
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.057 ppb
response 152

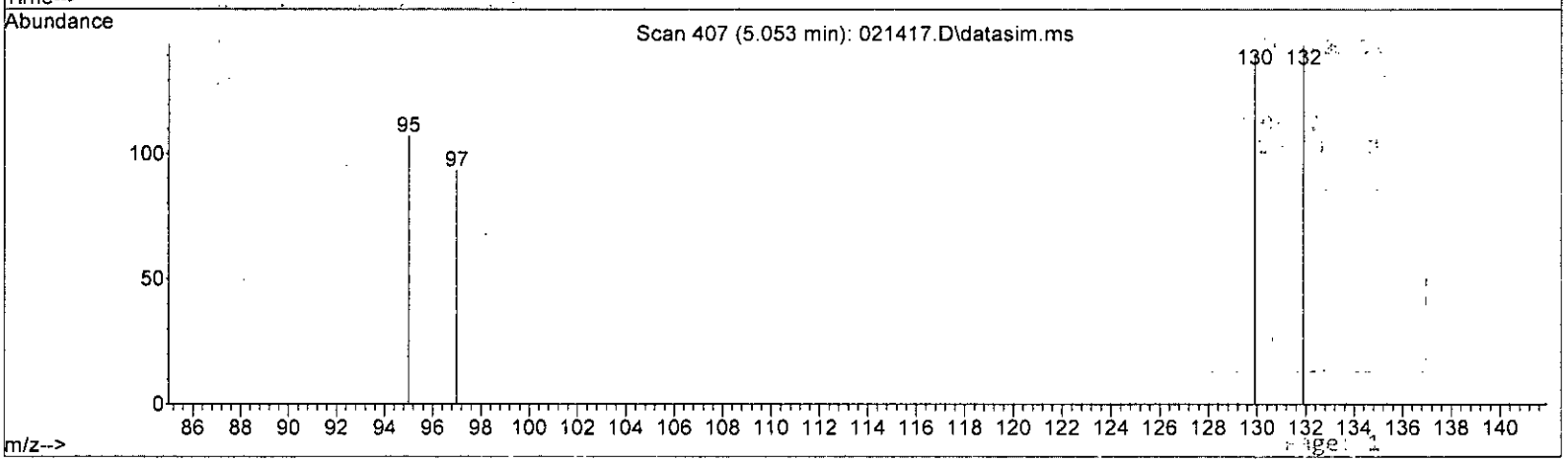
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	77.19
129.90	158.20	163.16
131.90	155.20	170.18

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.034 ppb m

response 102

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	86.92
129.90	158.20	131.78
131.90	155.20	134.58

M 2/15

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	70232	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58100	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33383	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	20747	9.461	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3986	9.155	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 91.50%			
35) Toluene-d8	6.11	98	60957	9.321	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.20%			
57) 4-Bromofluorobenzene	8.51	95	20963	10.185	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.90%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	172m	0.050	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.27	96	132m	0.043	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	164m	0.042	ppb	
17] trans-1,2-Dichloroethene	2.92	96	84	0.042	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	98	0.043	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	91	0.043	ppb	95
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	124	0.043	ppb	96
27] 1,1,1-Trichloroethane	4.19	97	115	0.038	ppb	98
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	271	0.040	ppb	99
32] Trichloroethene	5.05	95	102m	0.034	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	226	0.043	ppb	98
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	129	0.044	ppb	88
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	97	0.050	ppb	91
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	374	0.044	ppb	98
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	327	0.085	ppb	97
52] o-Xylene	8.02	106	156	0.043	ppb	100
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

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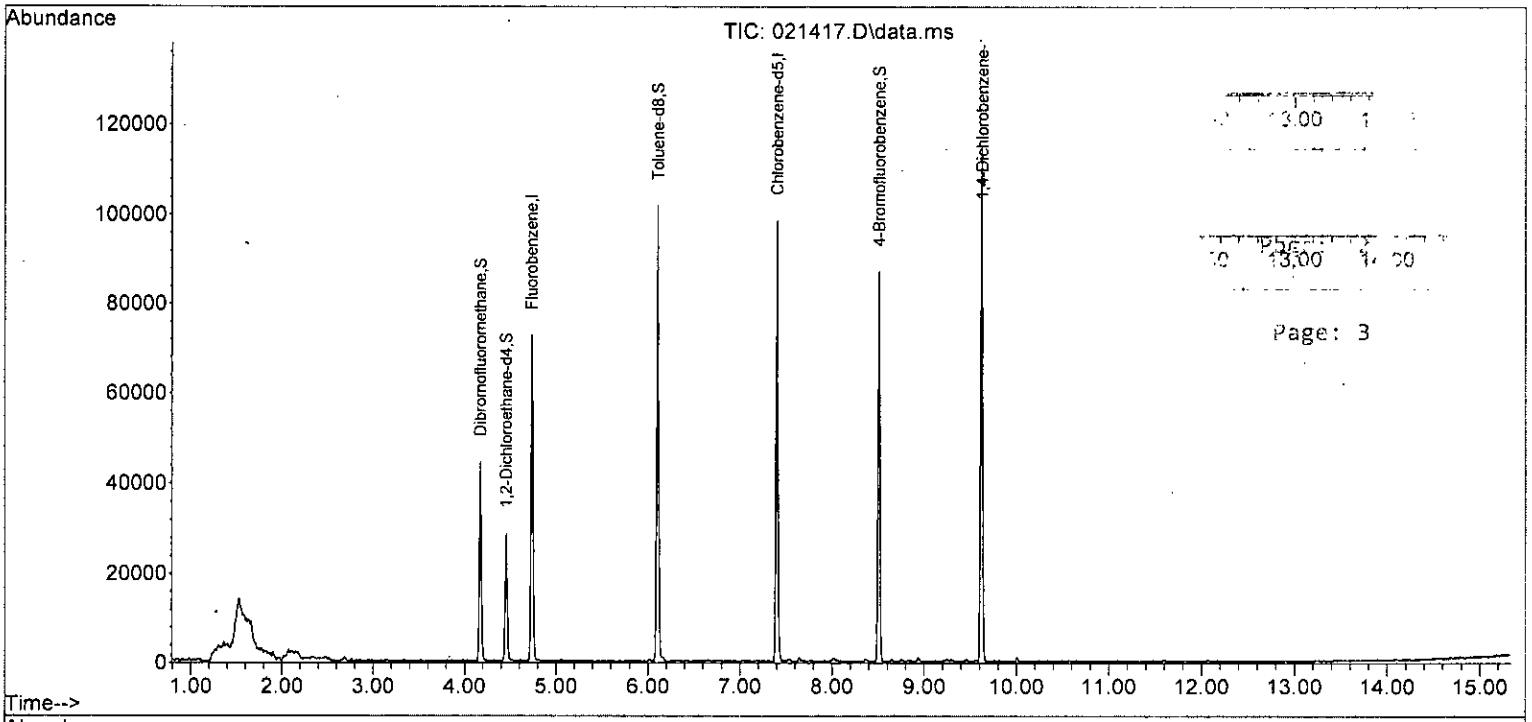
Page: 2

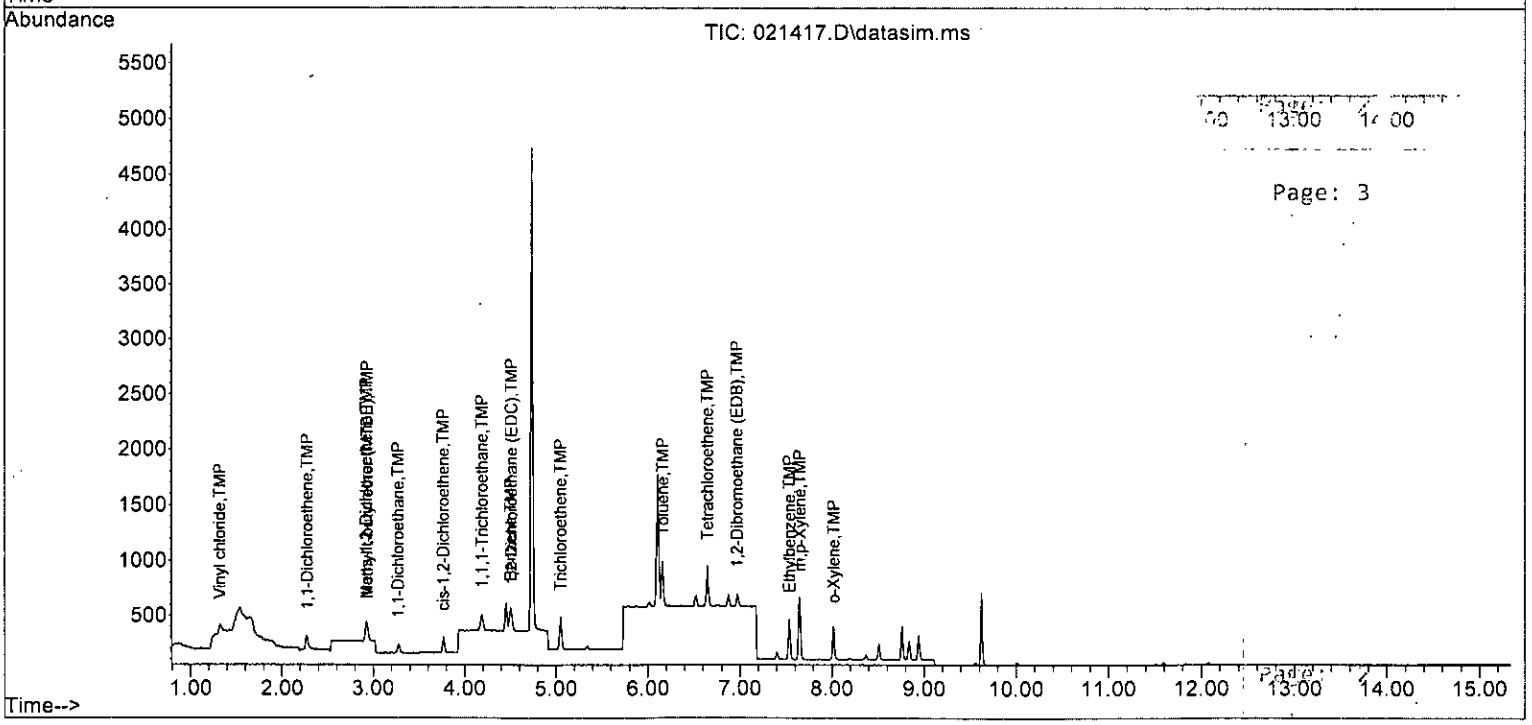
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.461	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.040	0.050	-25.0#	100	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.040	0.043	-7.5	96	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.040	0.042	-5.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.040	0.043	-7.5	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.043	-7.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.038	5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.155	8.5	100	0.00
31	TMP	Benzene	0.040	0.040	0.0	100	0.00
32	TMP	Trichloroethene	0.040	0.034	15.0	89	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.040	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.321	6.8	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.040	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.043	-7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.040	0.044	-10.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.050	-25.0#	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.040	0.044	-10.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.080	0.085	-6.3	100	0.00
52	TMP	o-Xylene	0.040	0.043	-7.5	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.185	-1.9	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

Page: 2

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.295	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.612	-15.0	100	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.470	-6.8	96	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.584	-5.8	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.299	-5.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.349	-6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.324	-7.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.441	-46.5#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.409	6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.057	8.1	100	0.00
31	TMP	Benzene	0.876	0.965	-10.2	100	0.00
32	TMP	Trichloroethene	0.338	0.363	-7.4	89	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.868	6.8	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.972	-27.2#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

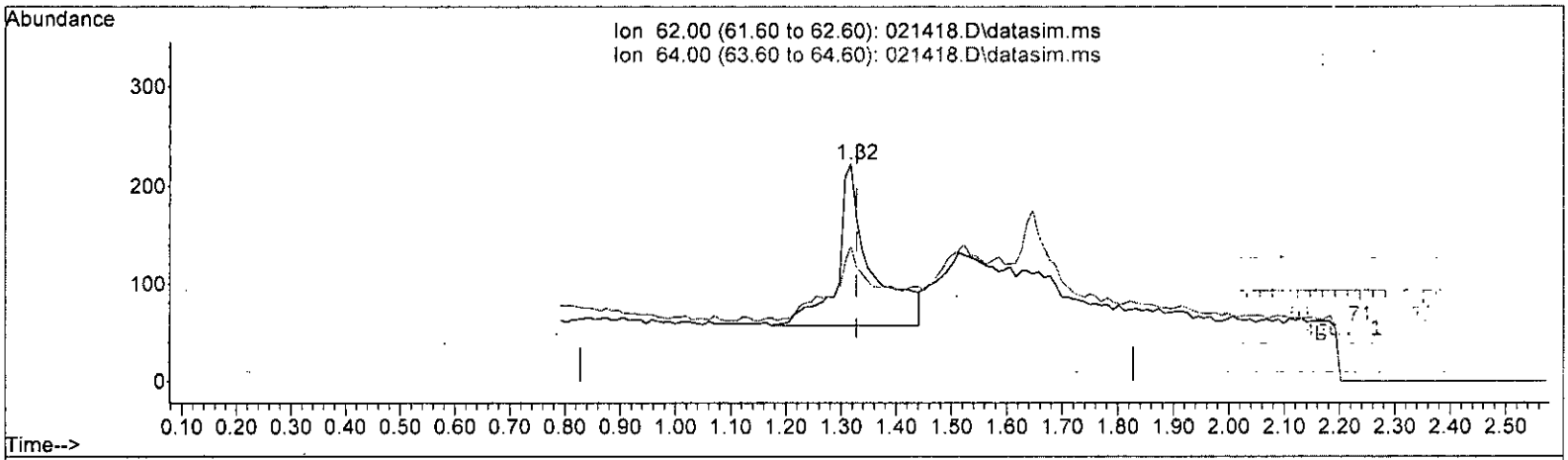
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.555	-22.8#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.417	-26.0#	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.609	-20.9#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.704	-19.3	100	0.00
52	TMP	o-Xylene	0.566	0.671	-18.6	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.628	-1.8	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

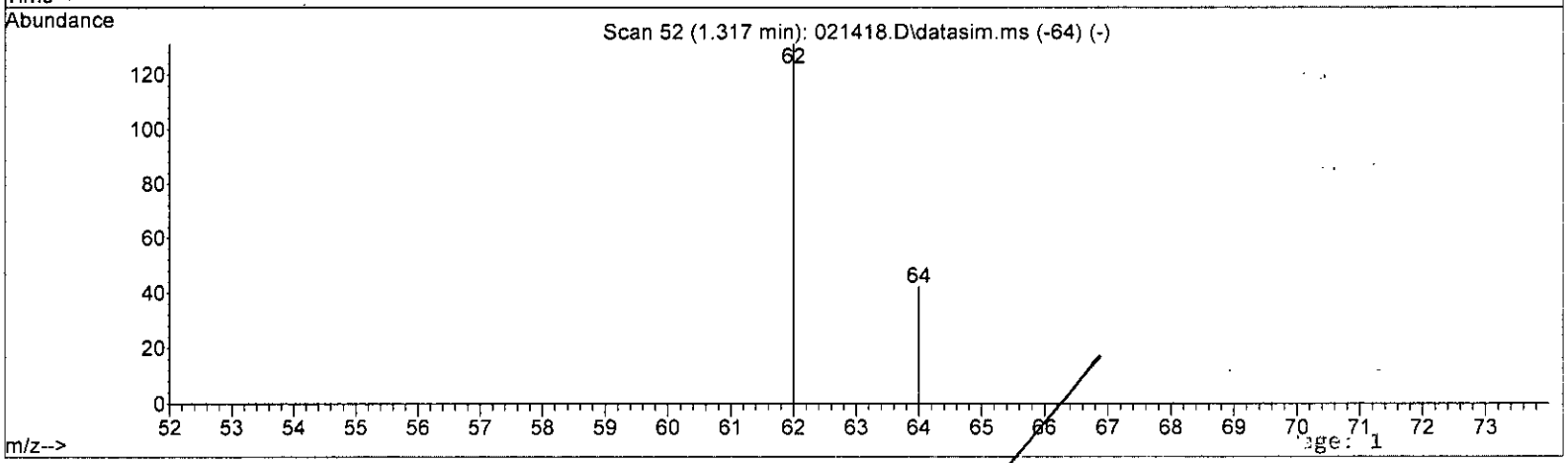
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.204 ppb
response 700

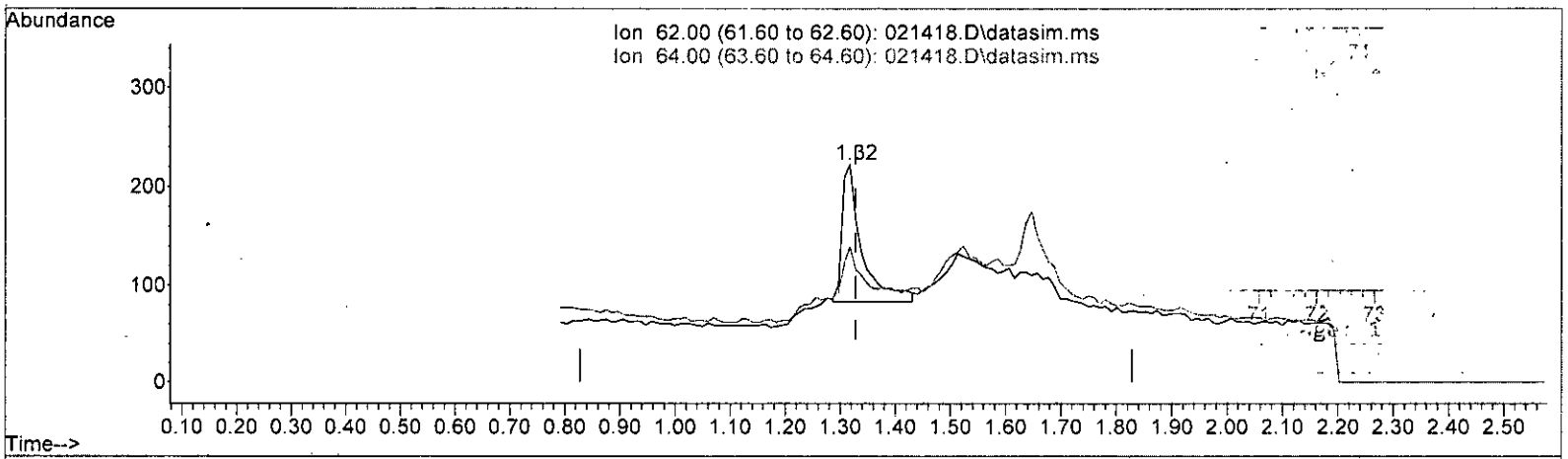
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	44.85
0.00	0.00	0.00
0.00	0.00	0.00

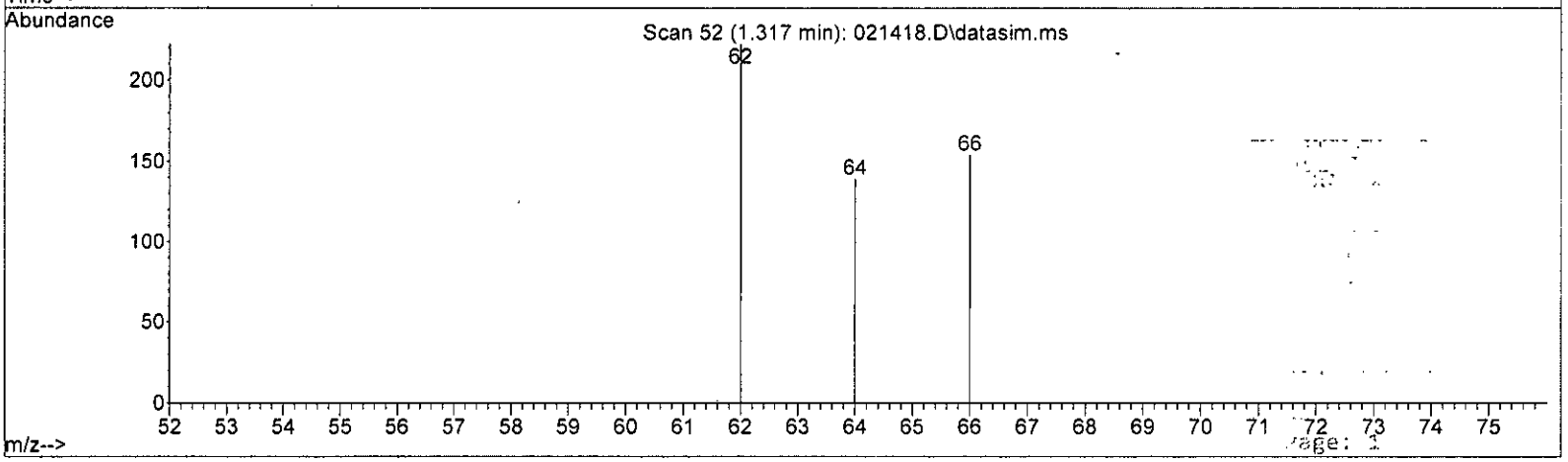
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.105 ppb m
response 348

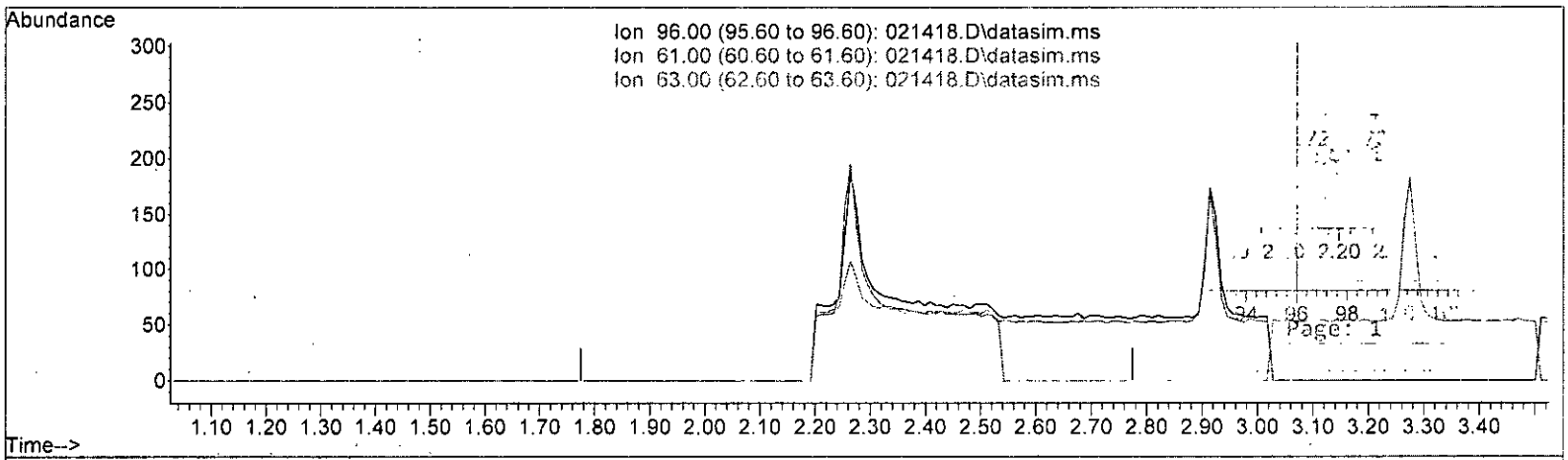
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	62.61
0.00	0.00	0.00
0.00	0.00	0.00

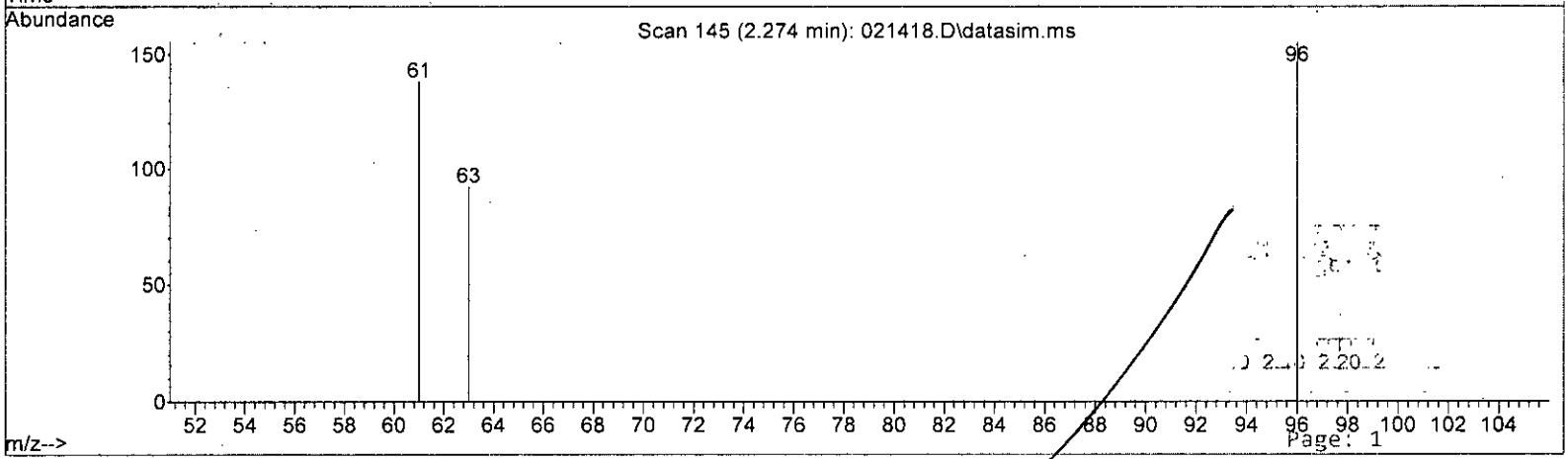
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.275min 0.000 ppb d

response 0

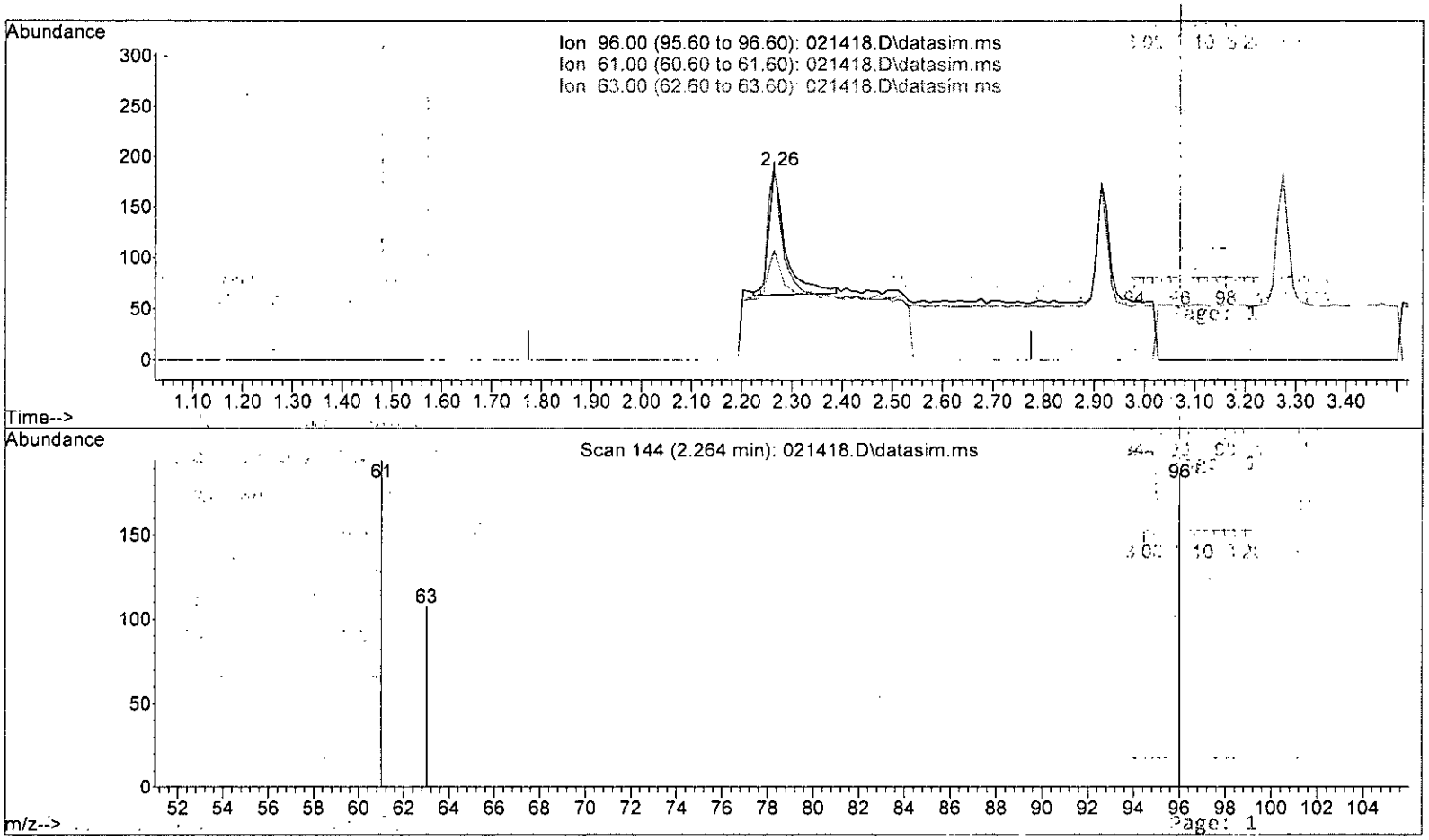
Ion	Exp%	Act%
96.00	100.00	0.00
61.00	104.80	0.00
63.00	36.10	0.00
0.00	0.00	0.00

accidental deletion

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.099 ppb m

response 279

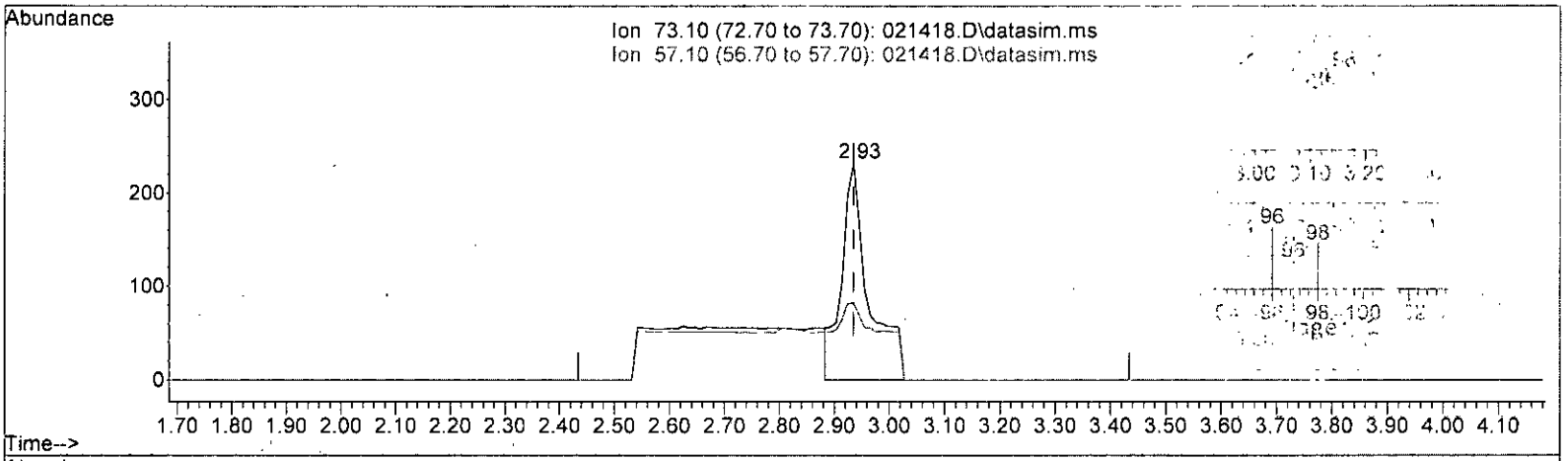
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.28
63.00	36.10	57.22
0.00	0.00	0.00

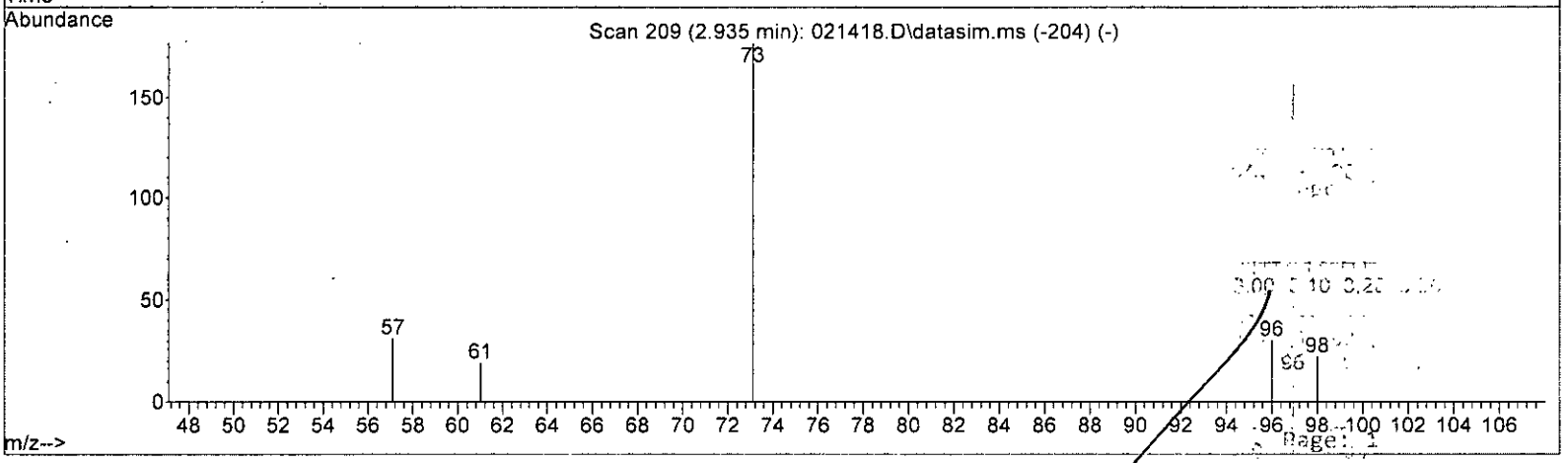
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

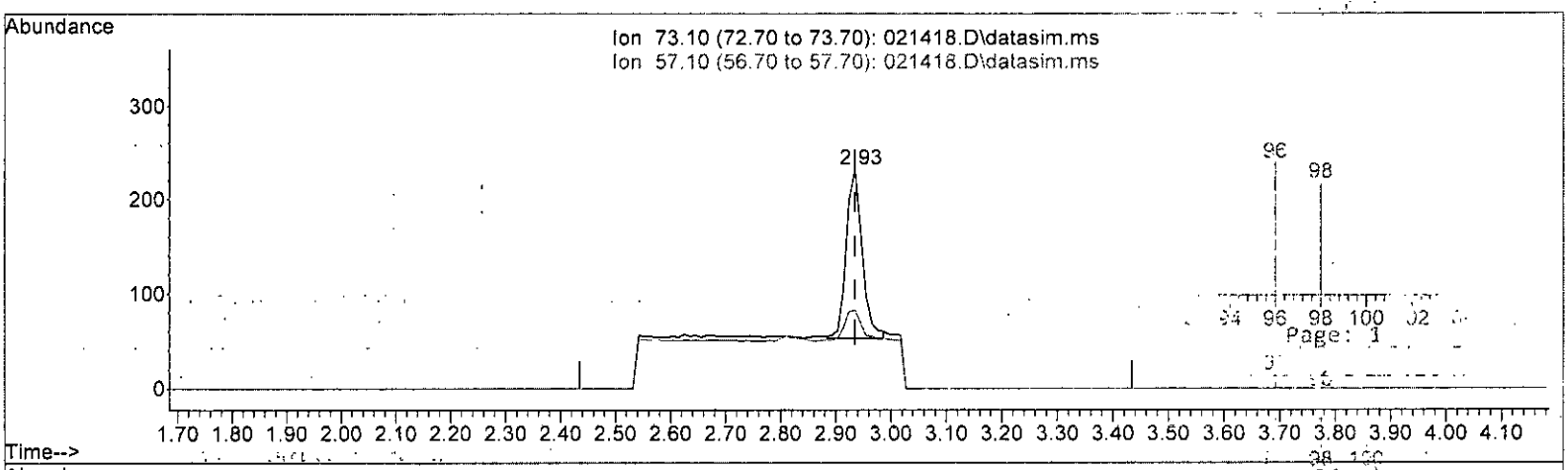
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.224 ppb
response 789

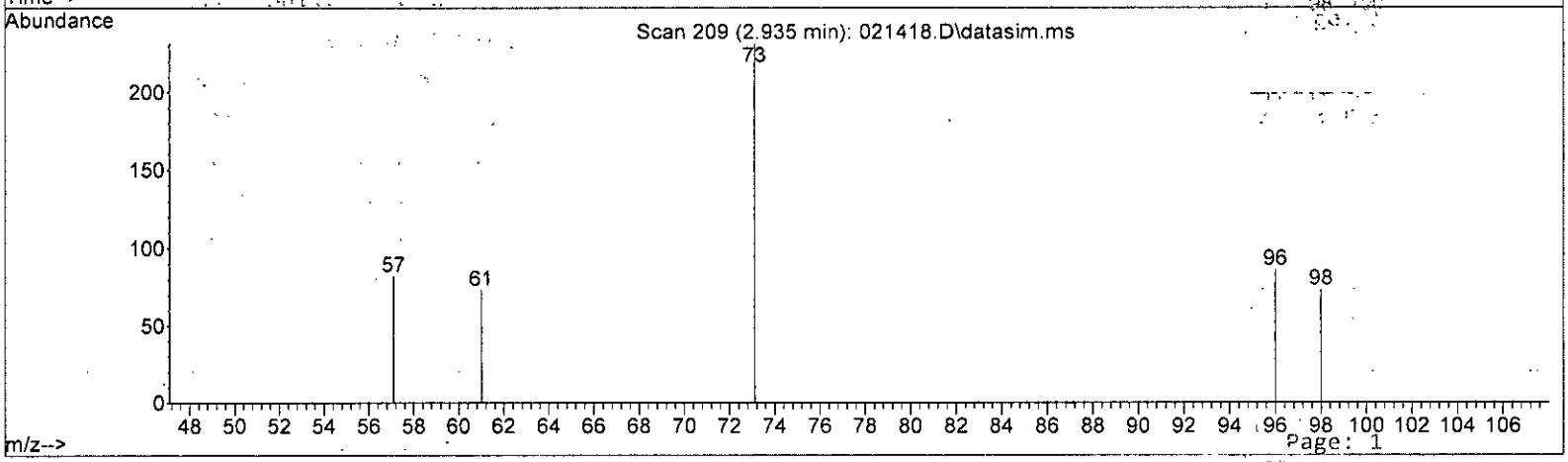
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.101 ppb m

response 355

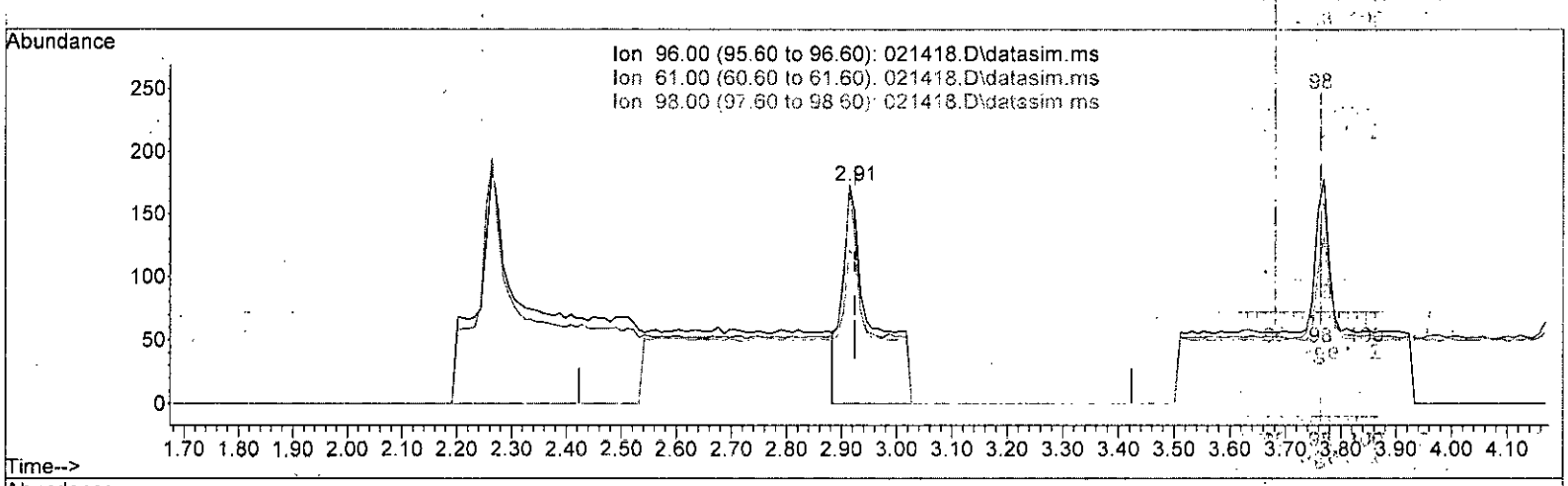
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

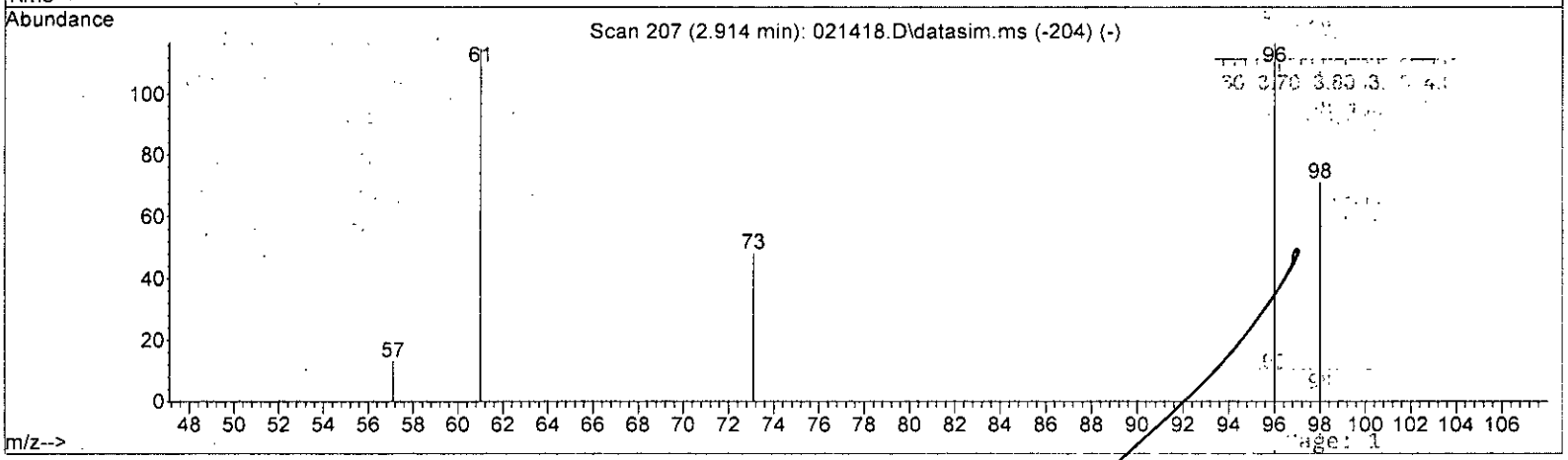
2/15

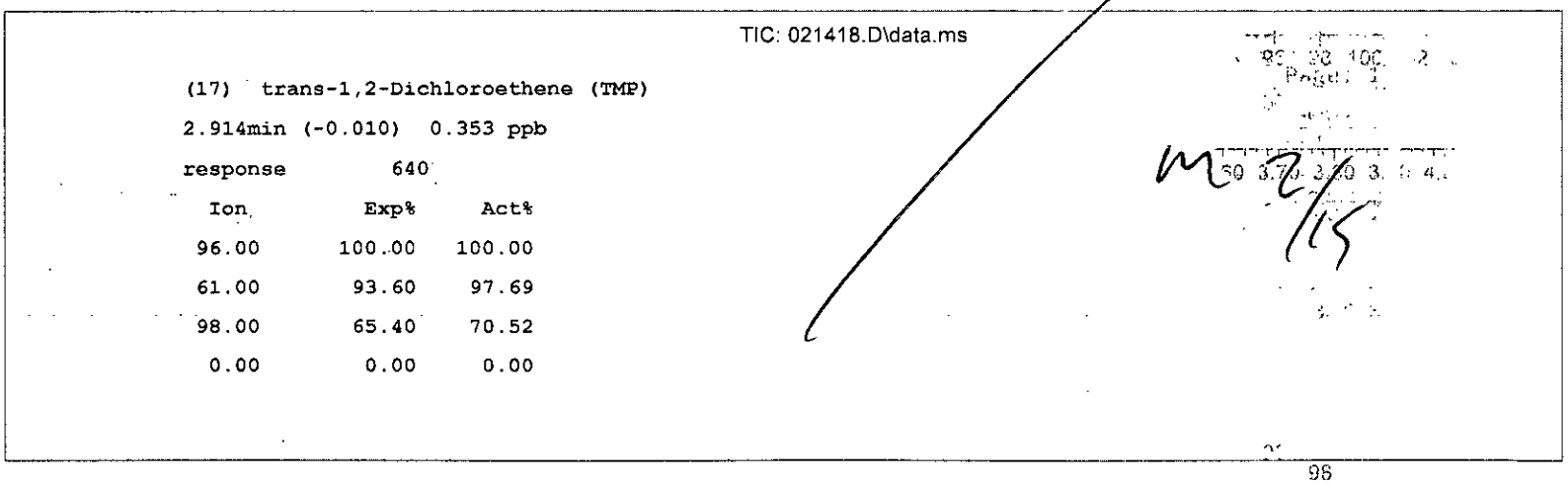
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.353 ppb

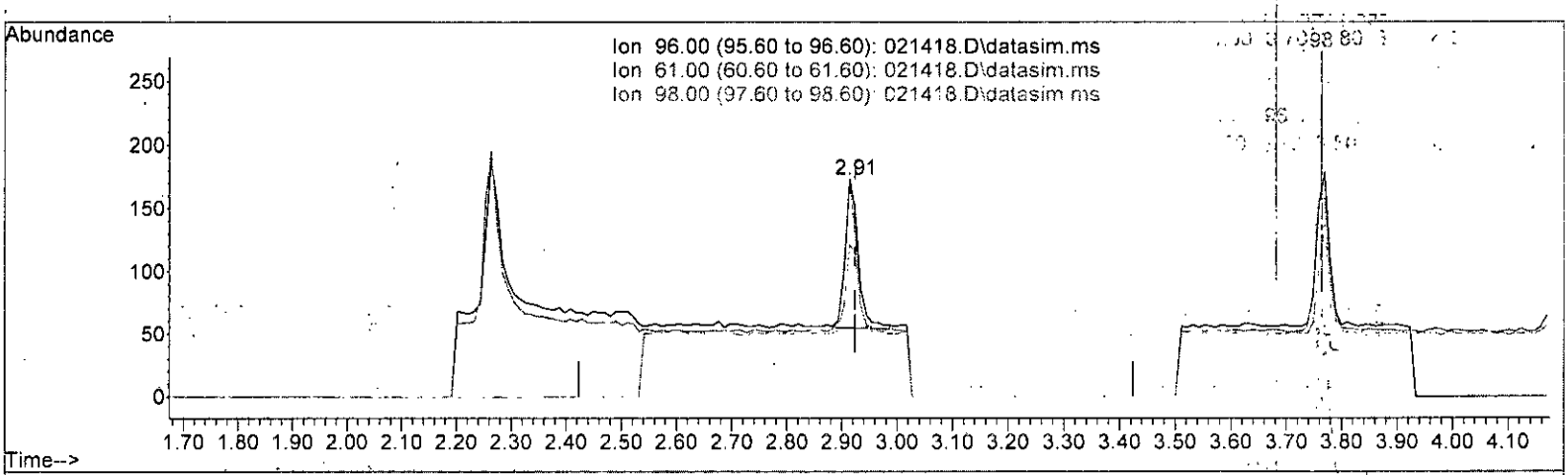
response 640

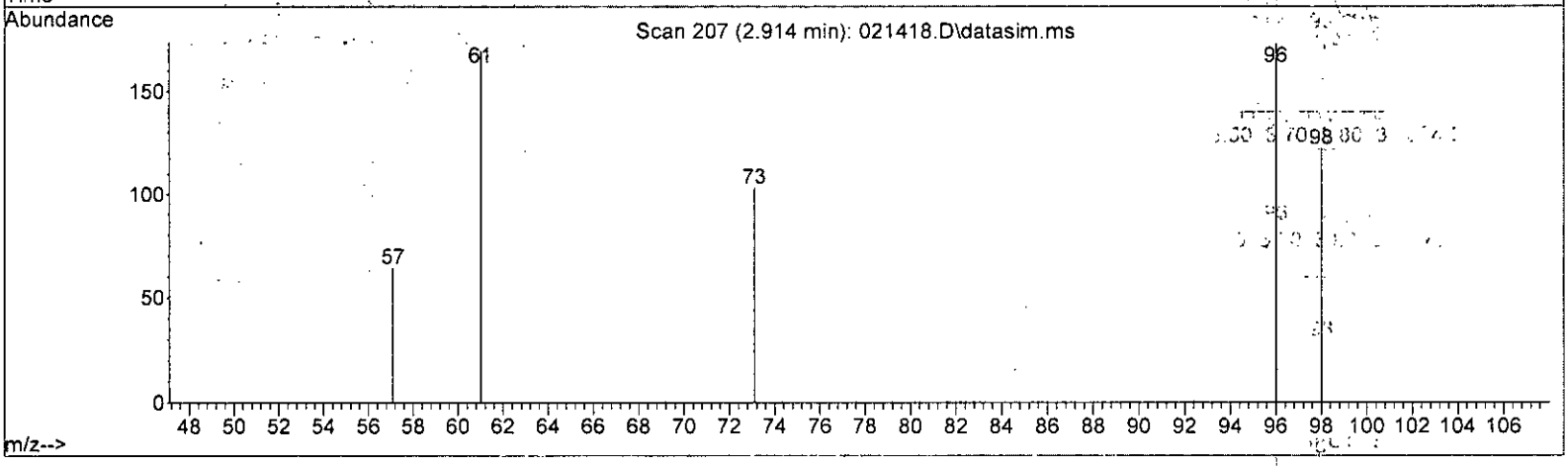
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.109 ppb m

response 197

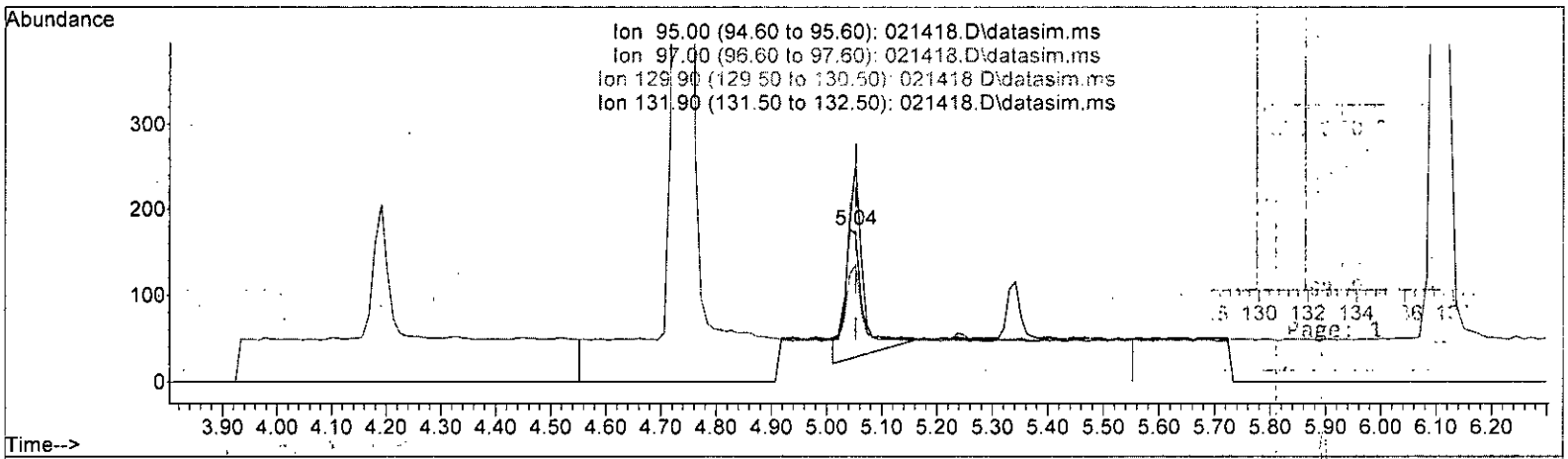
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

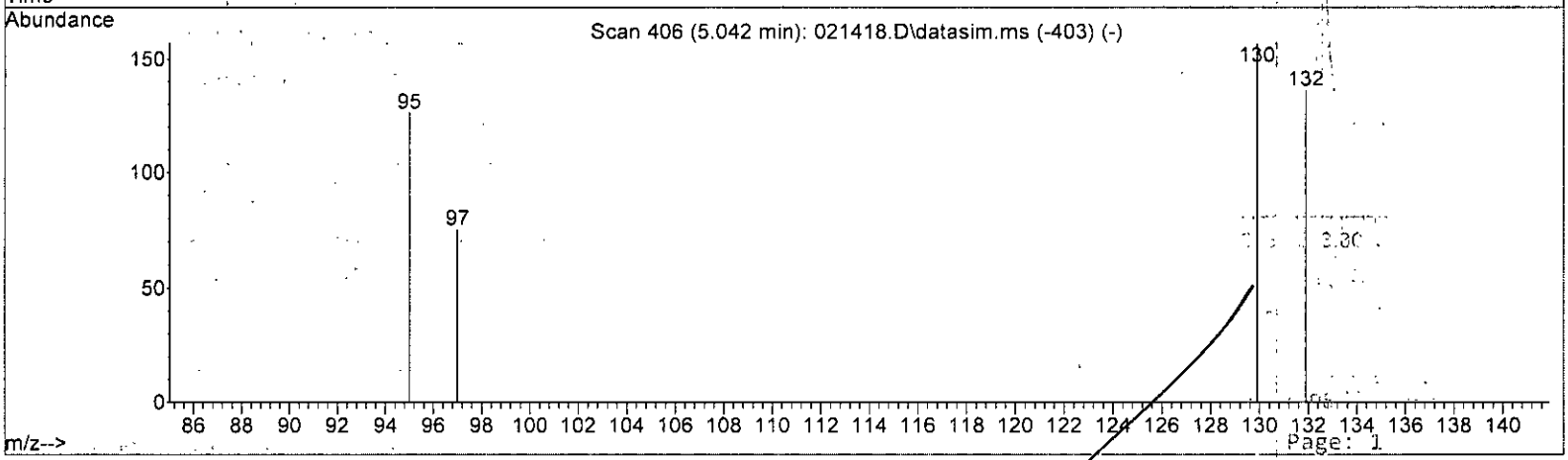
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

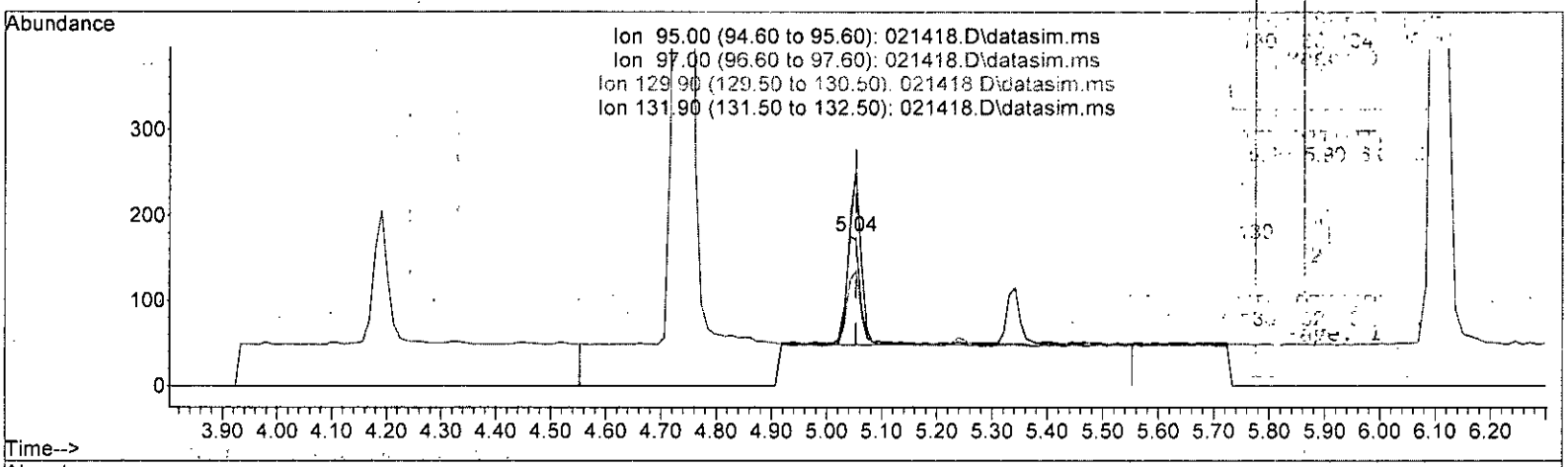
(32) Trichloroethene (TMP)
5.042min (-0.011) 0.163 ppb
response 350

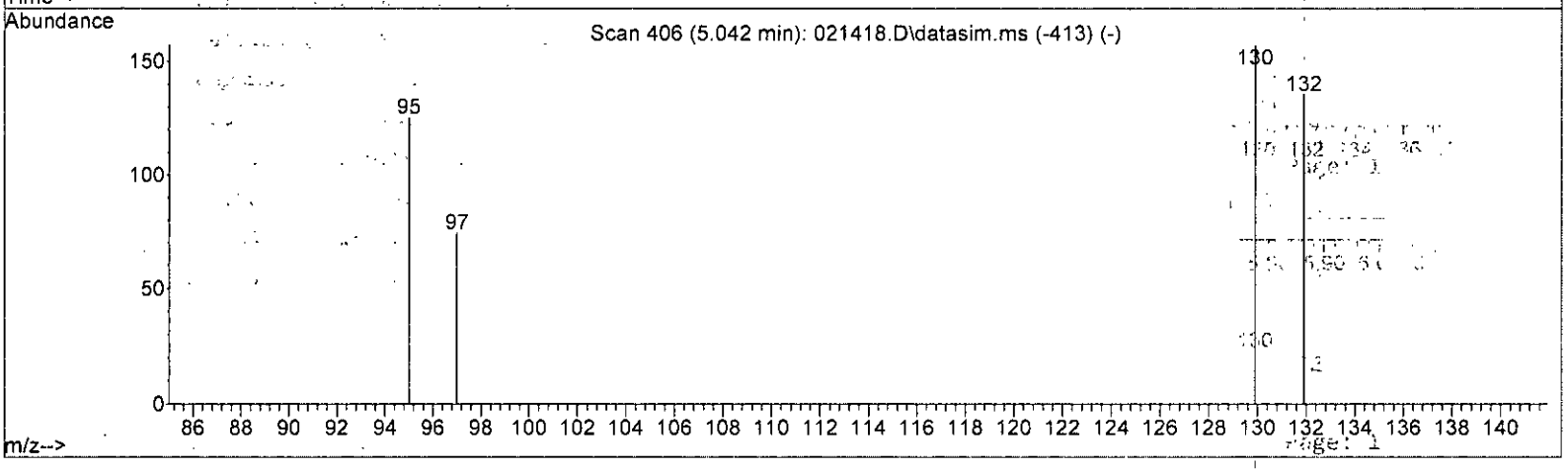
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	59.06
129.90	158.20	124.41#
131.90	155.20	107.09#

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(32) Trichloroethene (TMP)

5.042min (-0.011) 0.100 ppb m

response 223

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.45
129.90	158.20	116.48#
131.90	155.20	104.55#

m 2/15

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	63727	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58408	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33364	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20119	10.111	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%			
30) 1,2-Dichloroethane-d4	4.45	102	3937	9.965	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 99.70%			
35) Toluene-d8	6.11	98	61256	10.323	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	20871	10.146	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	348m	0.105	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.26	96	279m	0.099	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	355m	0.101	ppb	
17] trans-1,2-Dichloroethene	2.91	96	197m	0.109	ppb	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	211	0.101	ppb	91
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.77	96	193	0.100	ppb	92
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	228	0.107	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	275	0.099	ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	578	0.102	ppb	98
32] Trichloroethene	5.04	95	223m	0.100	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	5.47	83	149	0.137	ppb	77
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

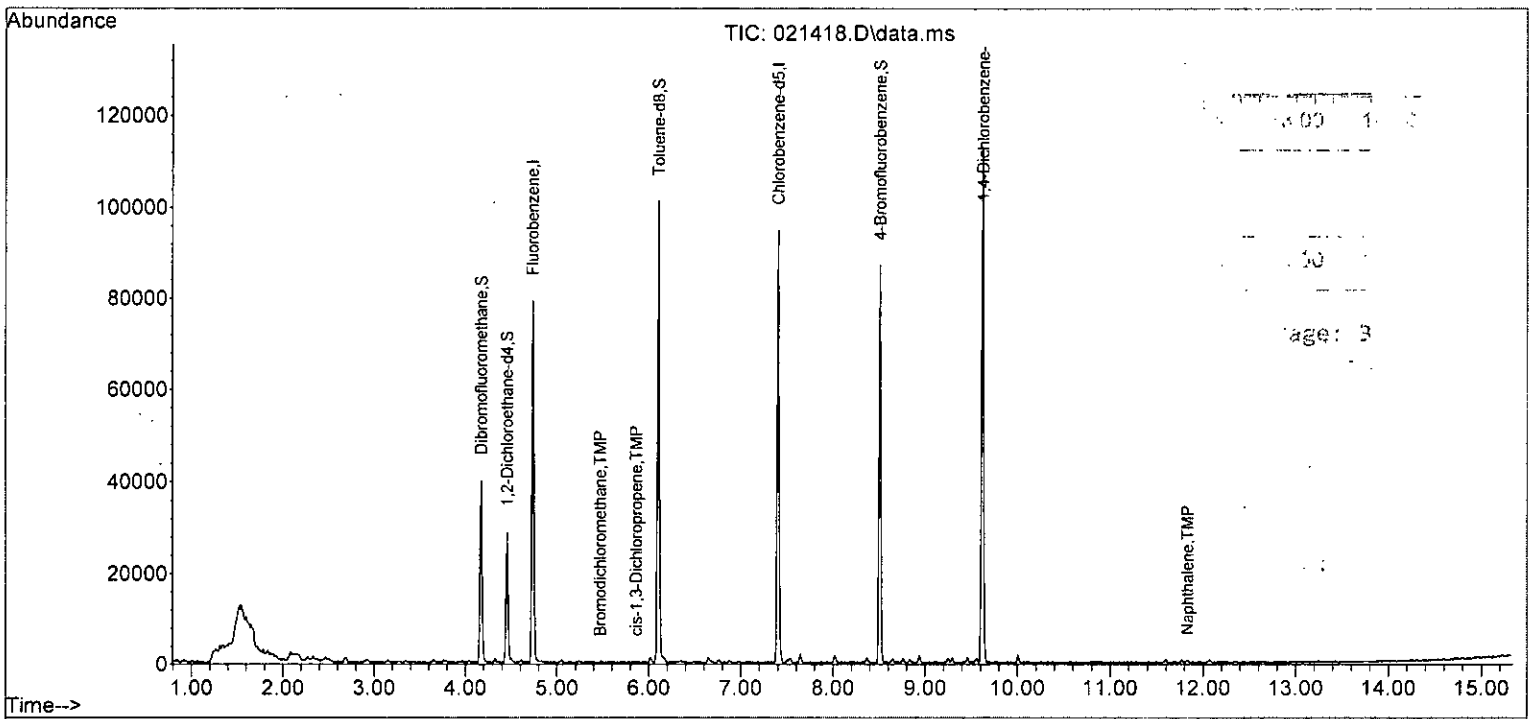
Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

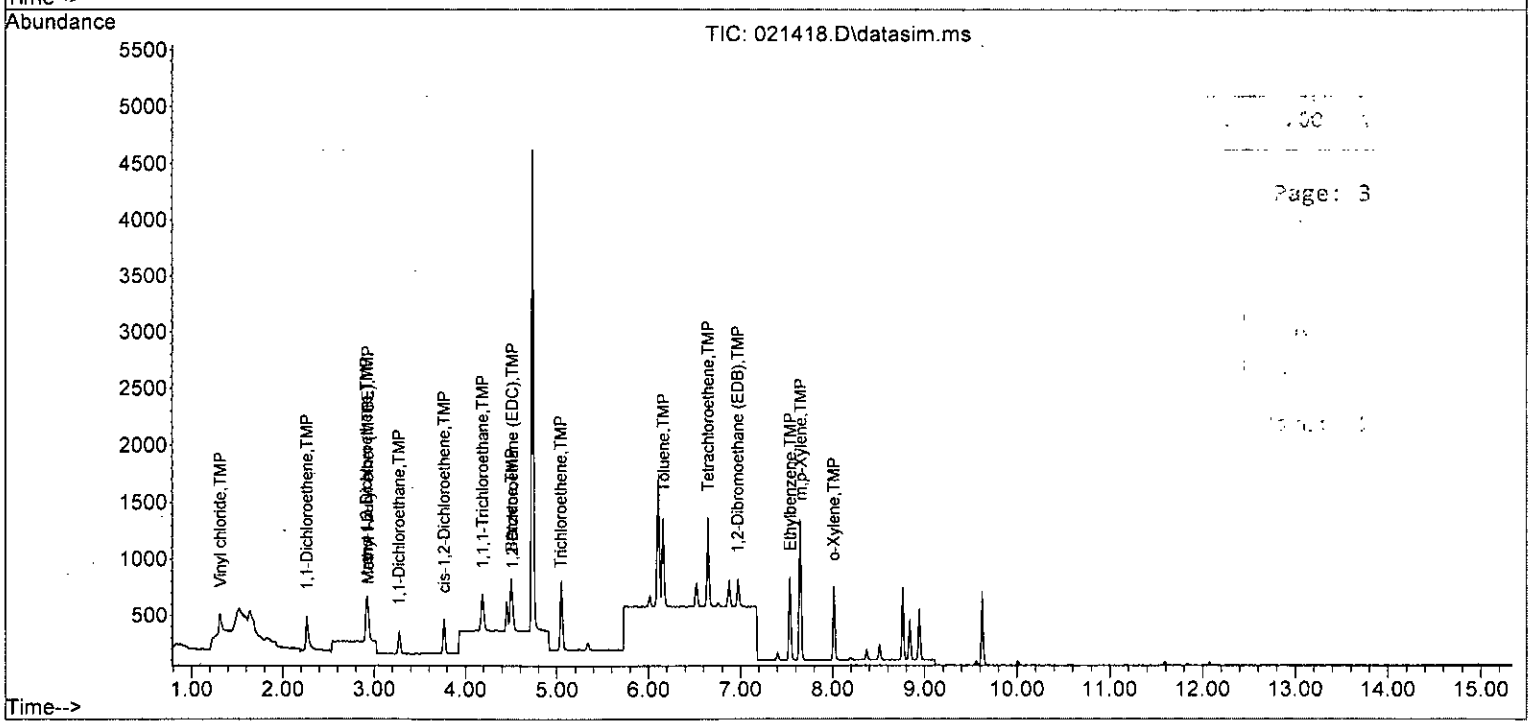
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	5.86	75	203	0.129 ppb	#	33
40] Toluene	6.16	92	464	0.100 ppb		98
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	272	0.101 ppb		97
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	187	0.097 ppb		99
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	804	0.101 ppb		99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D. d		
51] m,p-Xylene	7.65	106	713	0.202 ppb		98
52] o-Xylene	8.01	106	334	0.099 ppb	#	72
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D. d		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	11.83	128	647	0.121 ppb		84
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
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ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.111	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.100	0.105	-5.0	102	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.100	0.099	1.0	98	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.101	-1.0	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.109	-9.0	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.100	0.101	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.100	0.100	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.107	-7.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.099	1.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.965	0.4	100	0.00
31	TMP	Benzene	0.100	0.102	-2.0	100	0.00
32	TMP	Trichloroethene	0.100	0.100	0.0	93	-0.01
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.100	0.137	-37.0#	100	-0.01
35	S	Toluene-d8	10.000	10.323	-3.2	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.100	0.129	-29.0#	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.100	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.097	3.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.200	0.202	-1.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.146	-1.5	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	0.100	0.121	-21.0#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.316	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.546	-2.6	102	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.438	0.5	98	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.557	-0.9	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.309	-8.8	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.331	-1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.303	-0.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.358	-18.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.432	1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.907	-3.5	100	0.00
32	TMP	Trichloroethene	0.338	0.350	-3.6	93	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.234	22.0#	100	-0.01
35	S	Toluene-d8	0.931	0.961	-3.2	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.319	-3.2	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.794	-3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

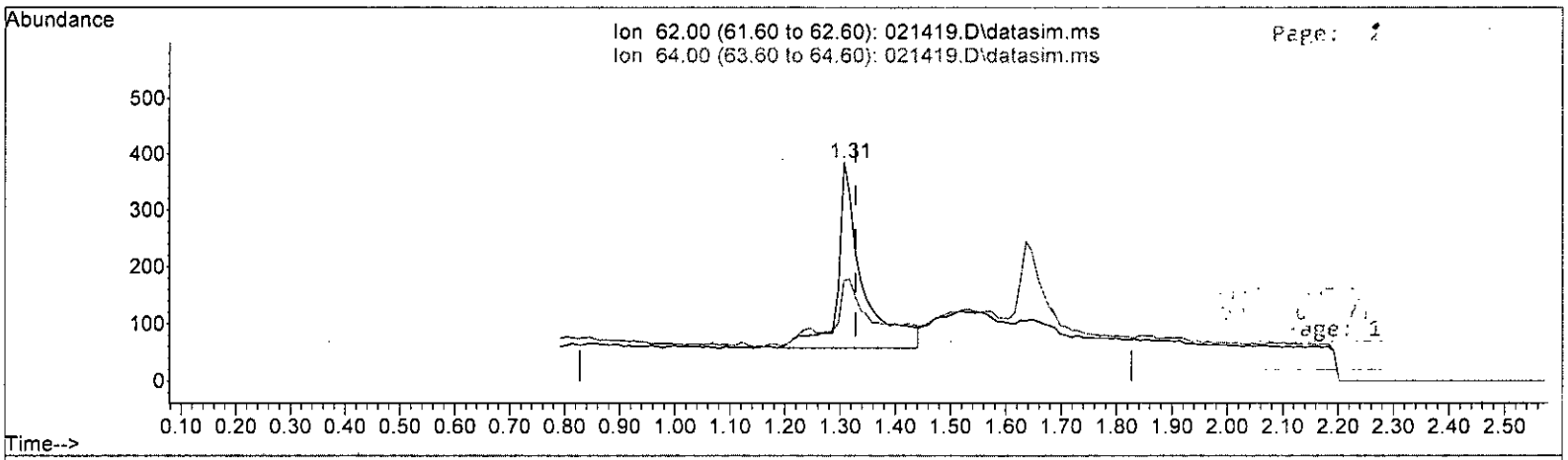
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.466	-3.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.320	3.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.377	-3.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.610	-3.4	100	0.00
52	TMP	o-Xylene	0.566	0.572	-1.1	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.626	-1.5	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	1.939	-1.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

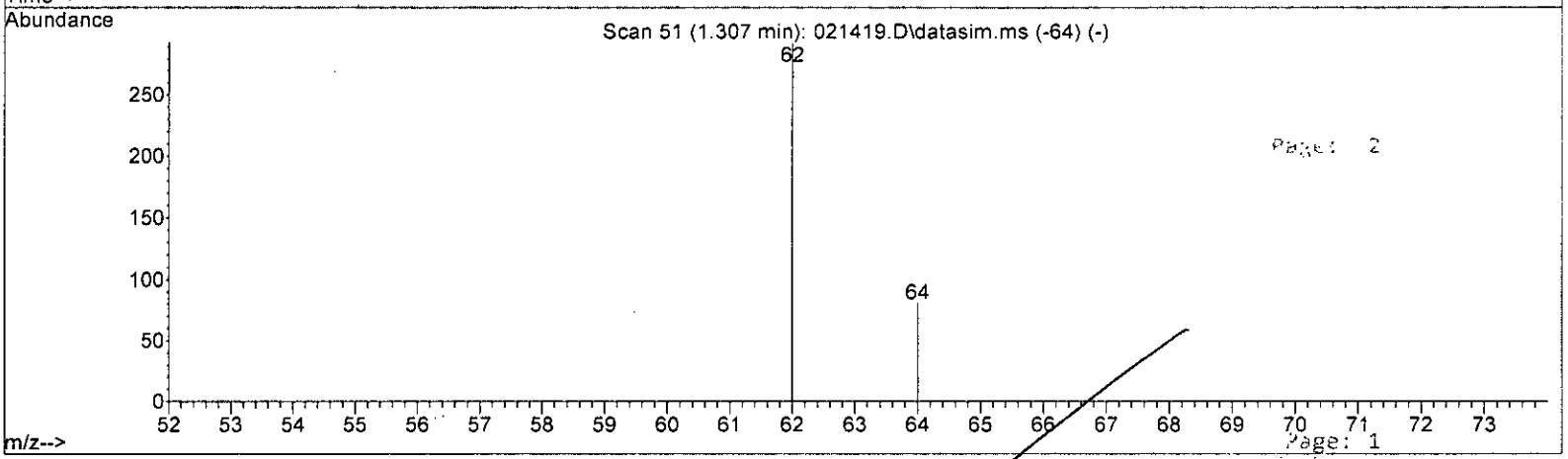
(#) = Out of Range SPCC's out = 49 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.277 ppb

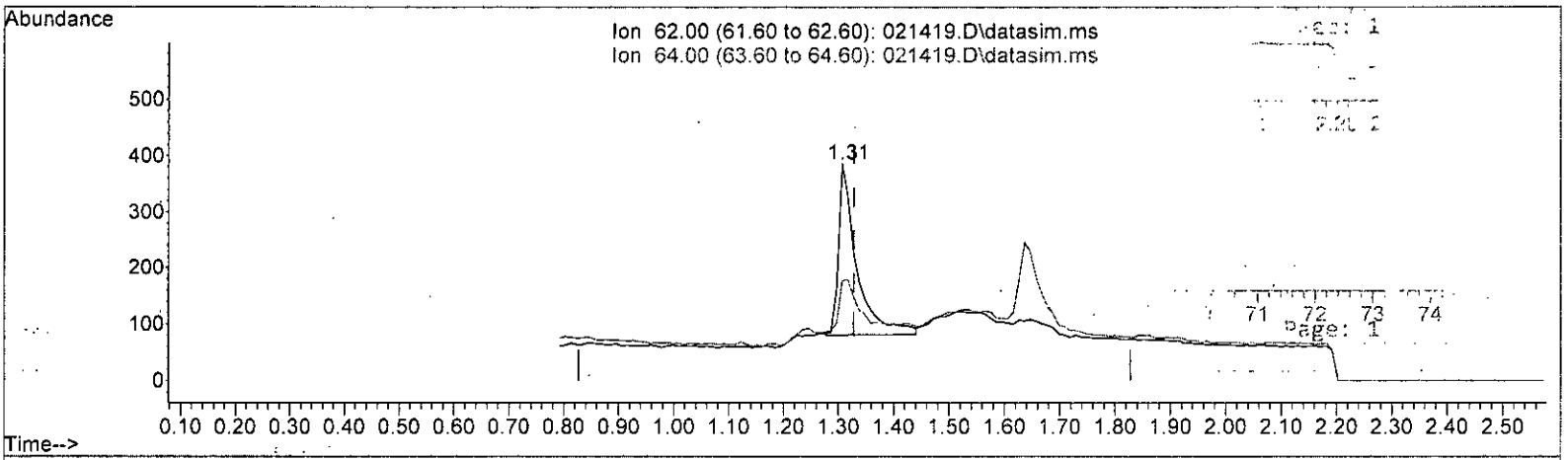
response 1013

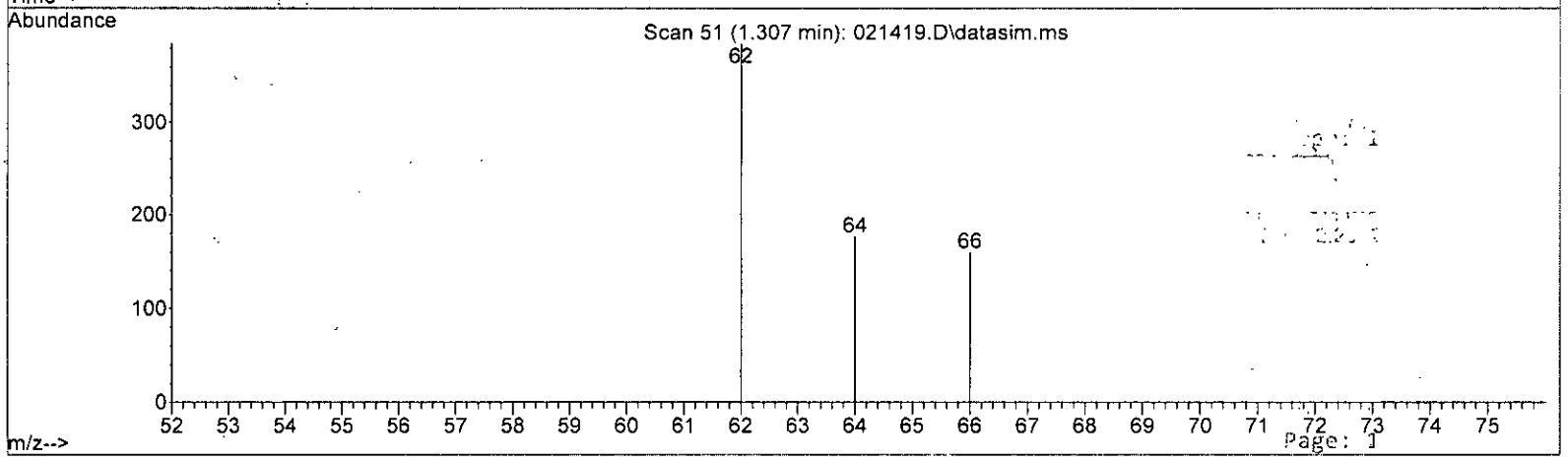
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	34.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.191 ppb m

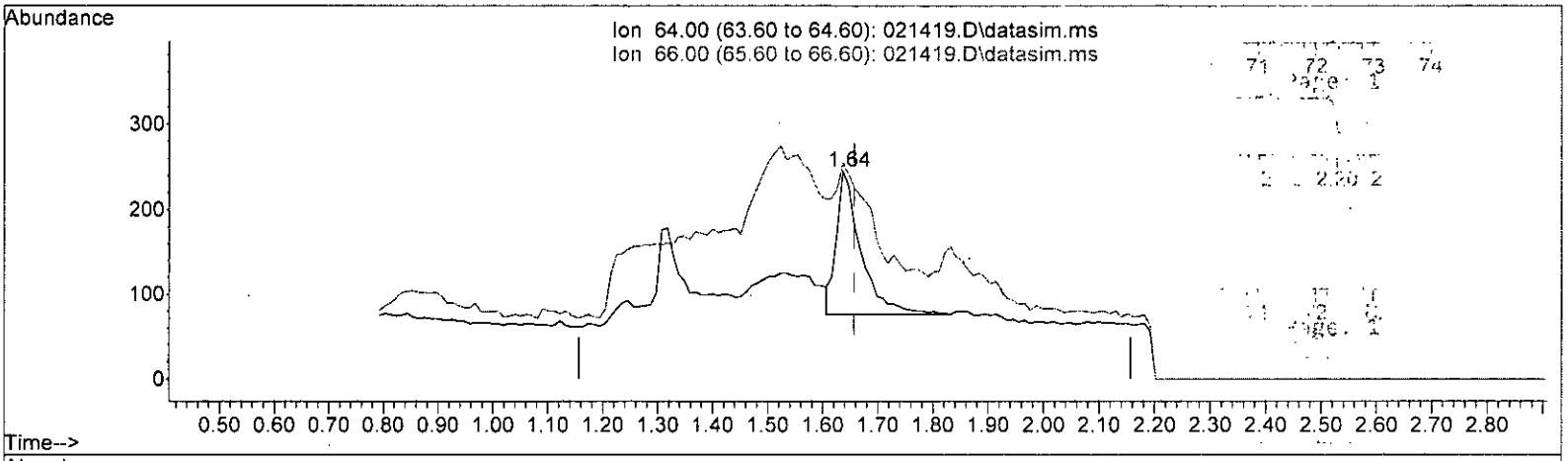
response 693

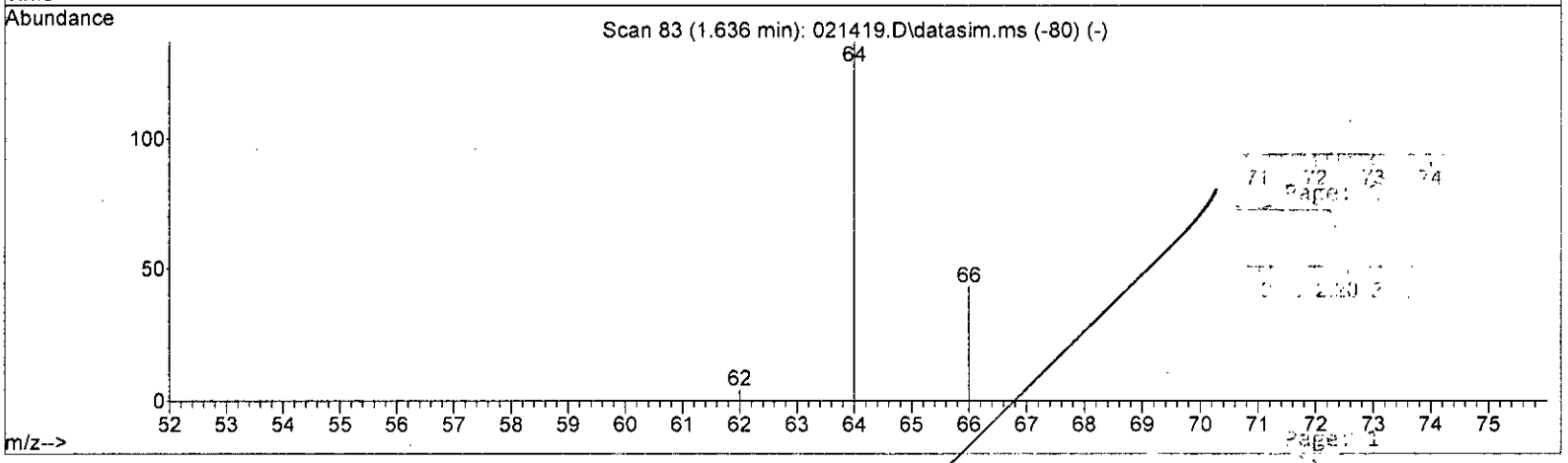
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	45.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.405 ppb

response 522

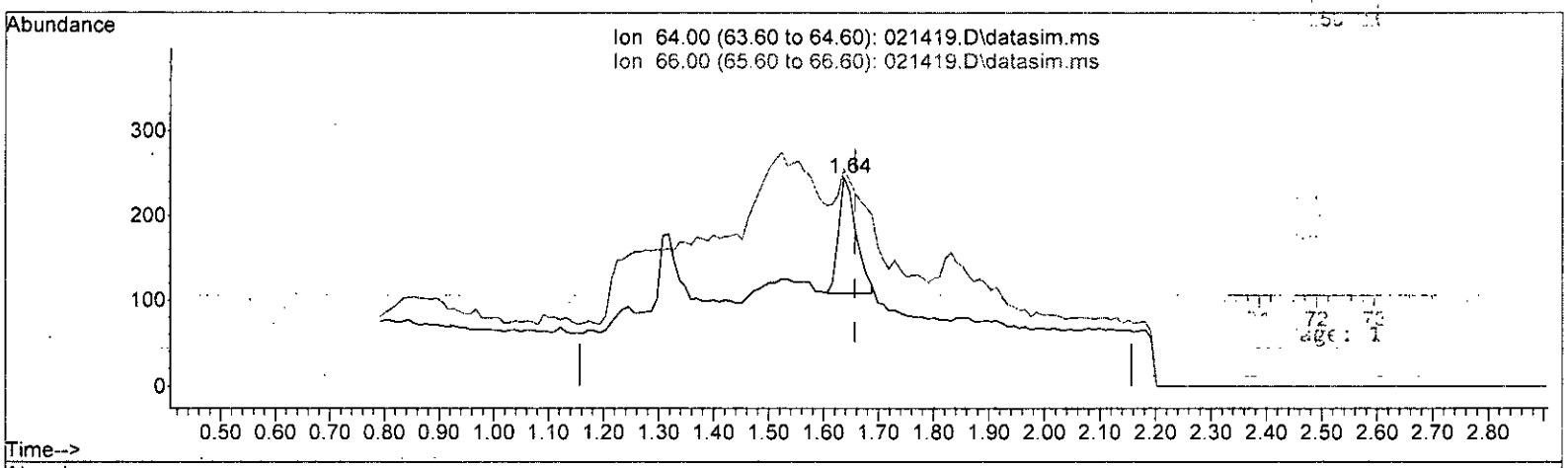
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	58.58
0.00	0.00	0.00
0.00	0.00	0.00

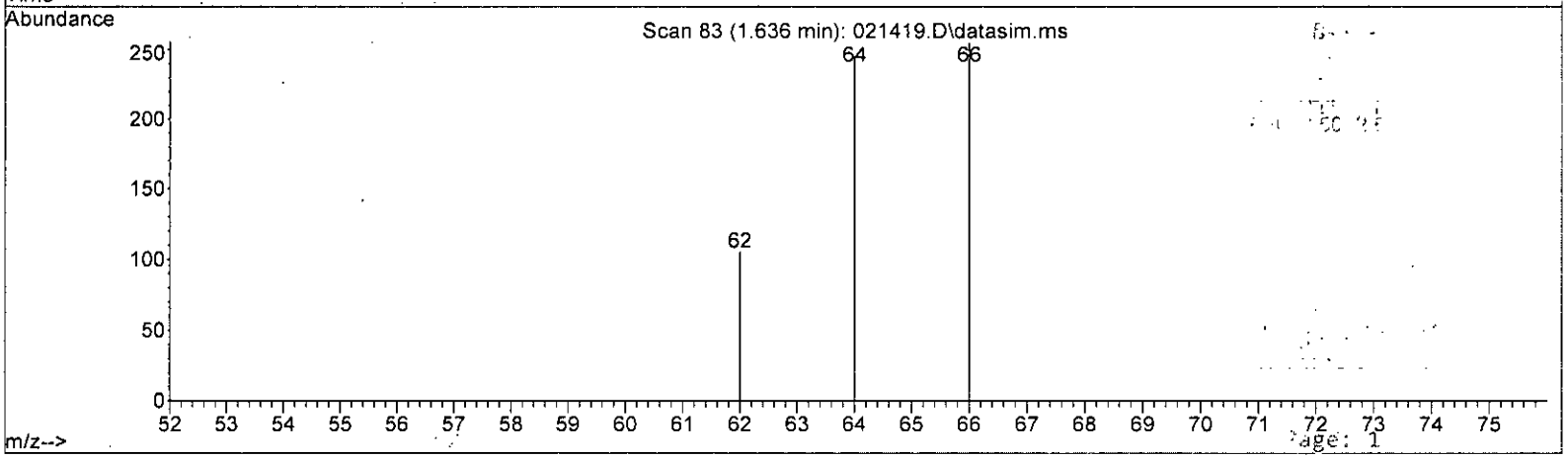
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.287 ppb m

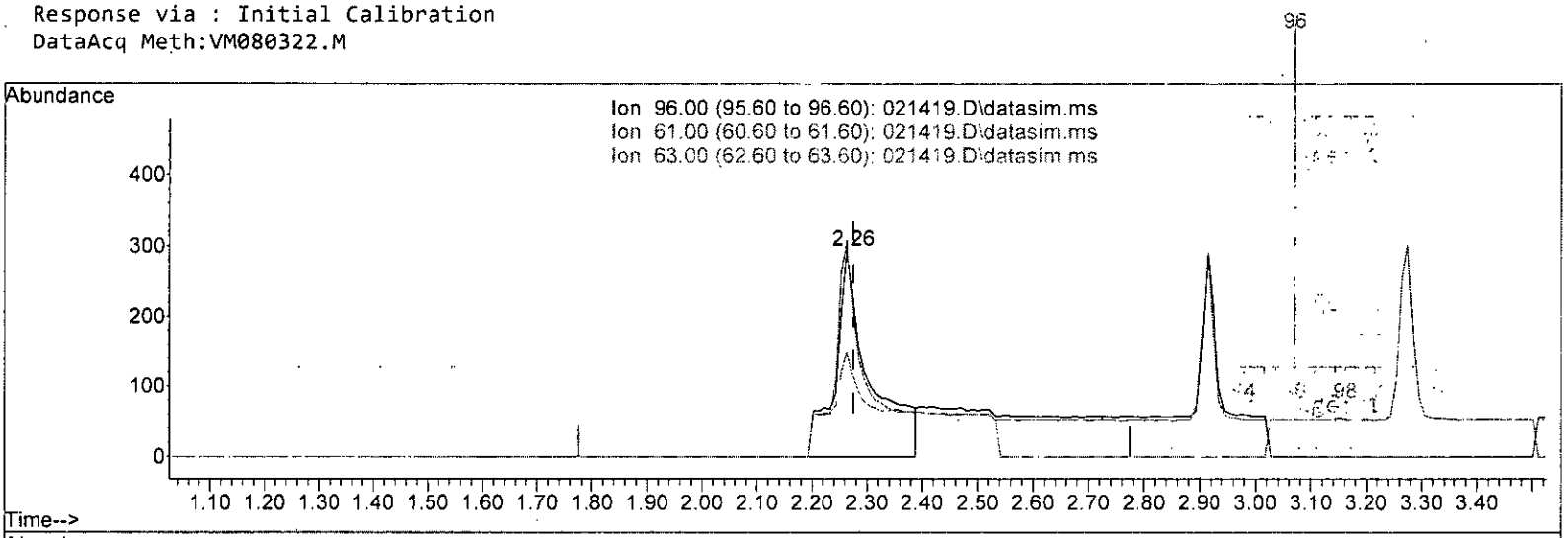
response 303

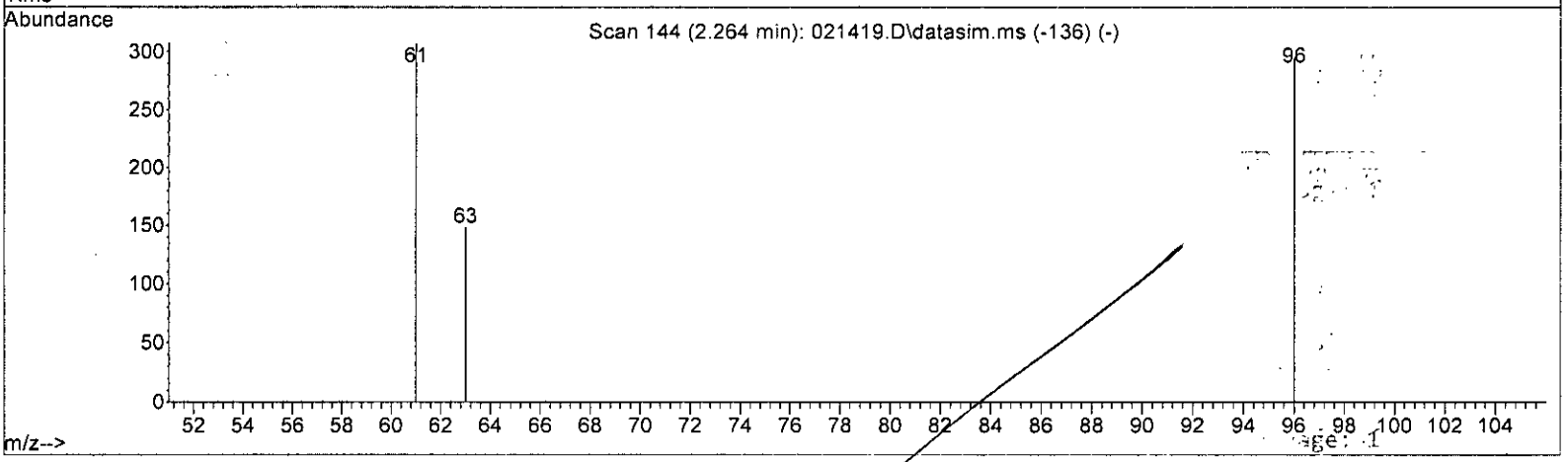
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	104.08#
0.00	0.00	0.00
0.00	0.00	0.00

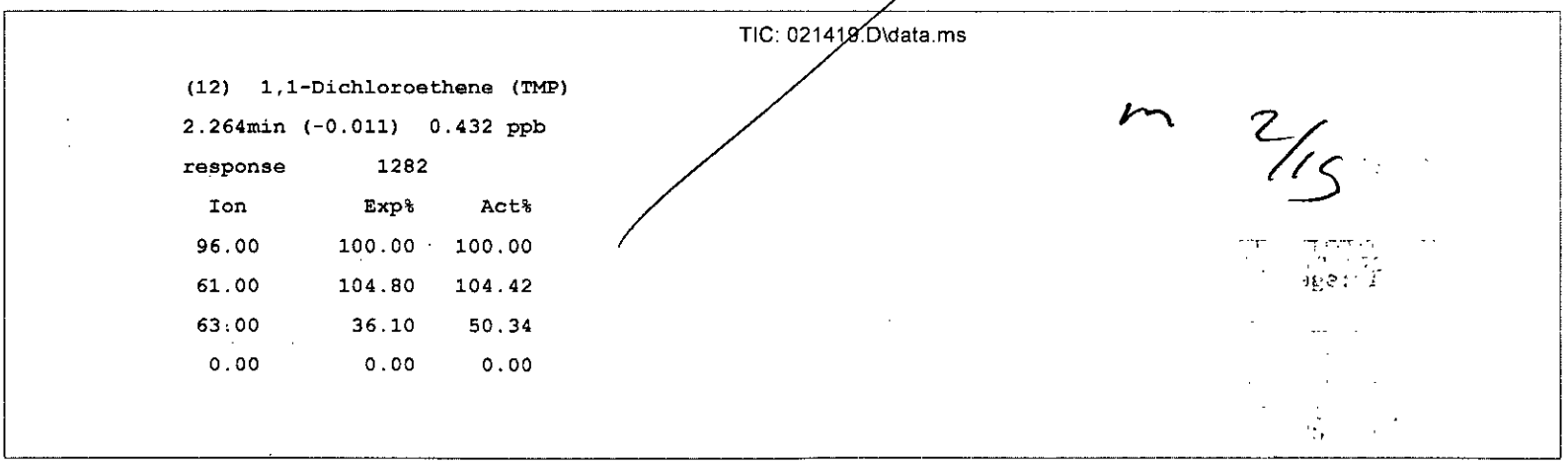
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 0.432 ppb
response 1282

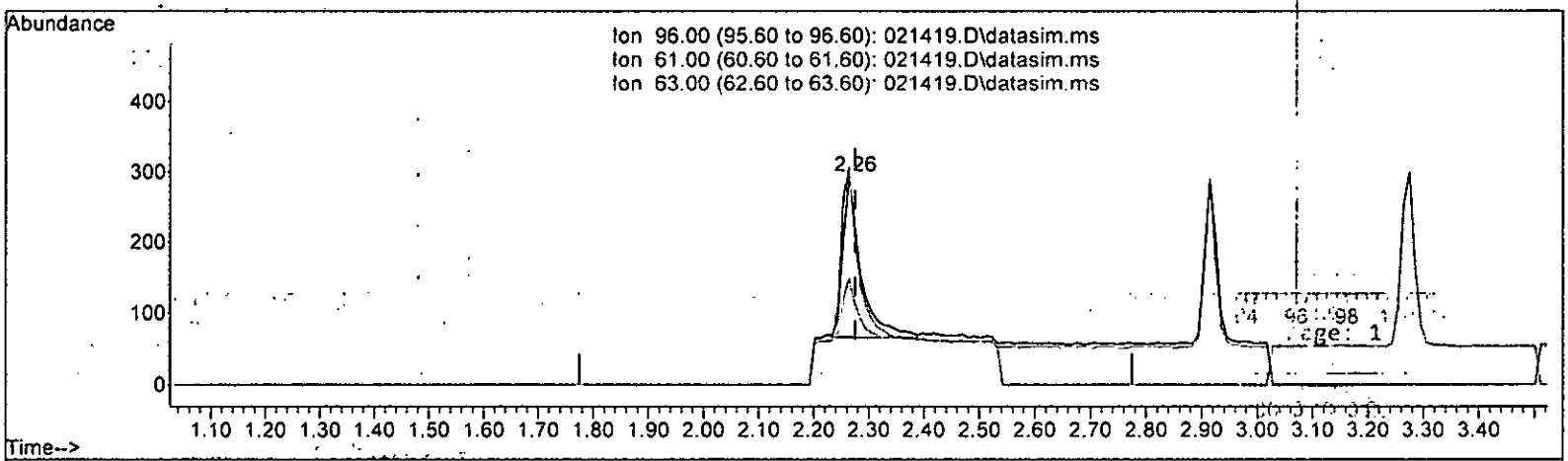
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

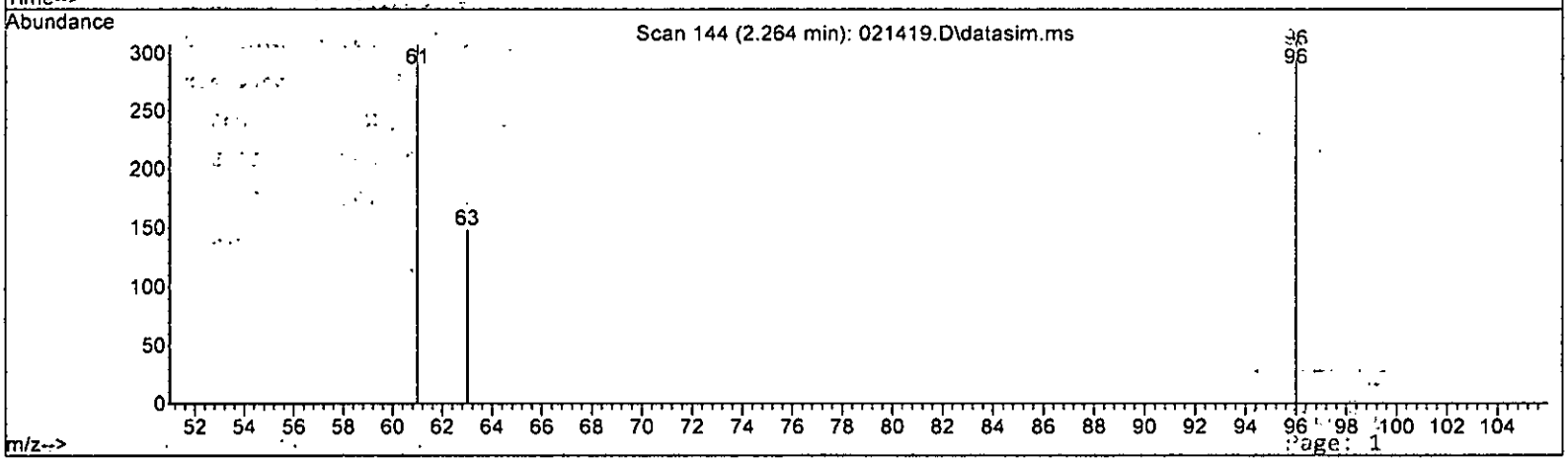
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.171 ppb m

response 509

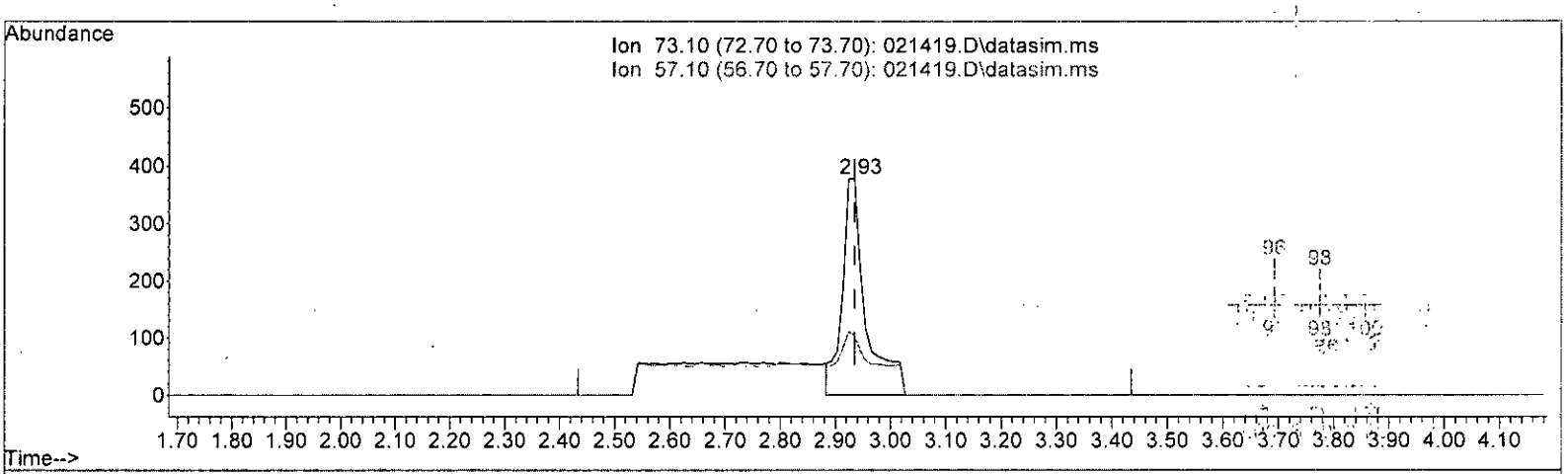
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

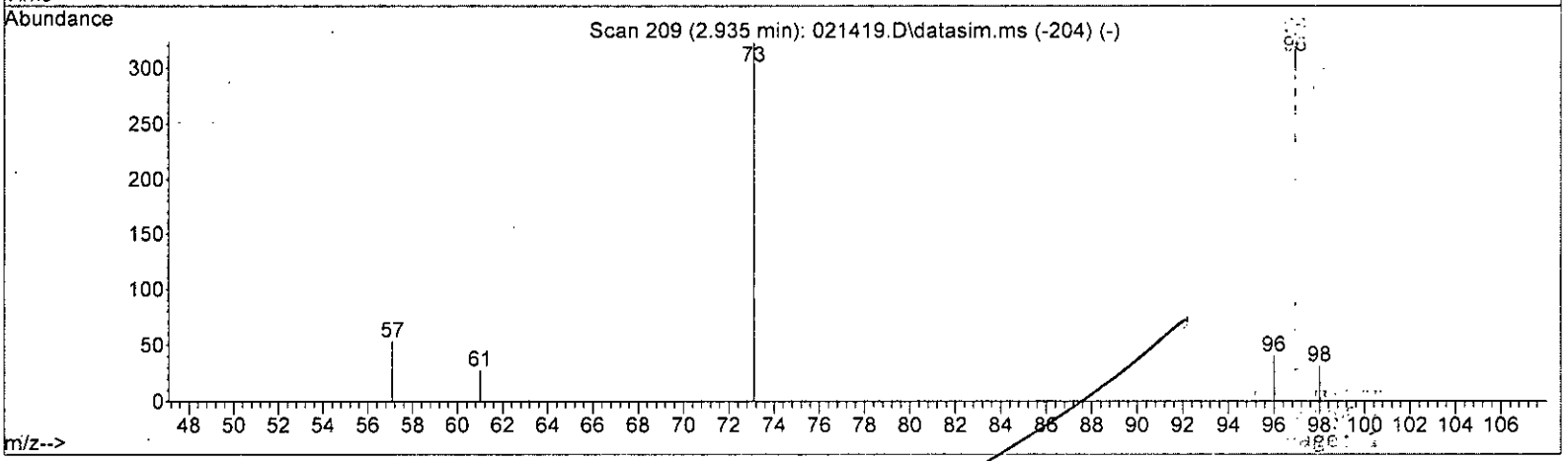
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

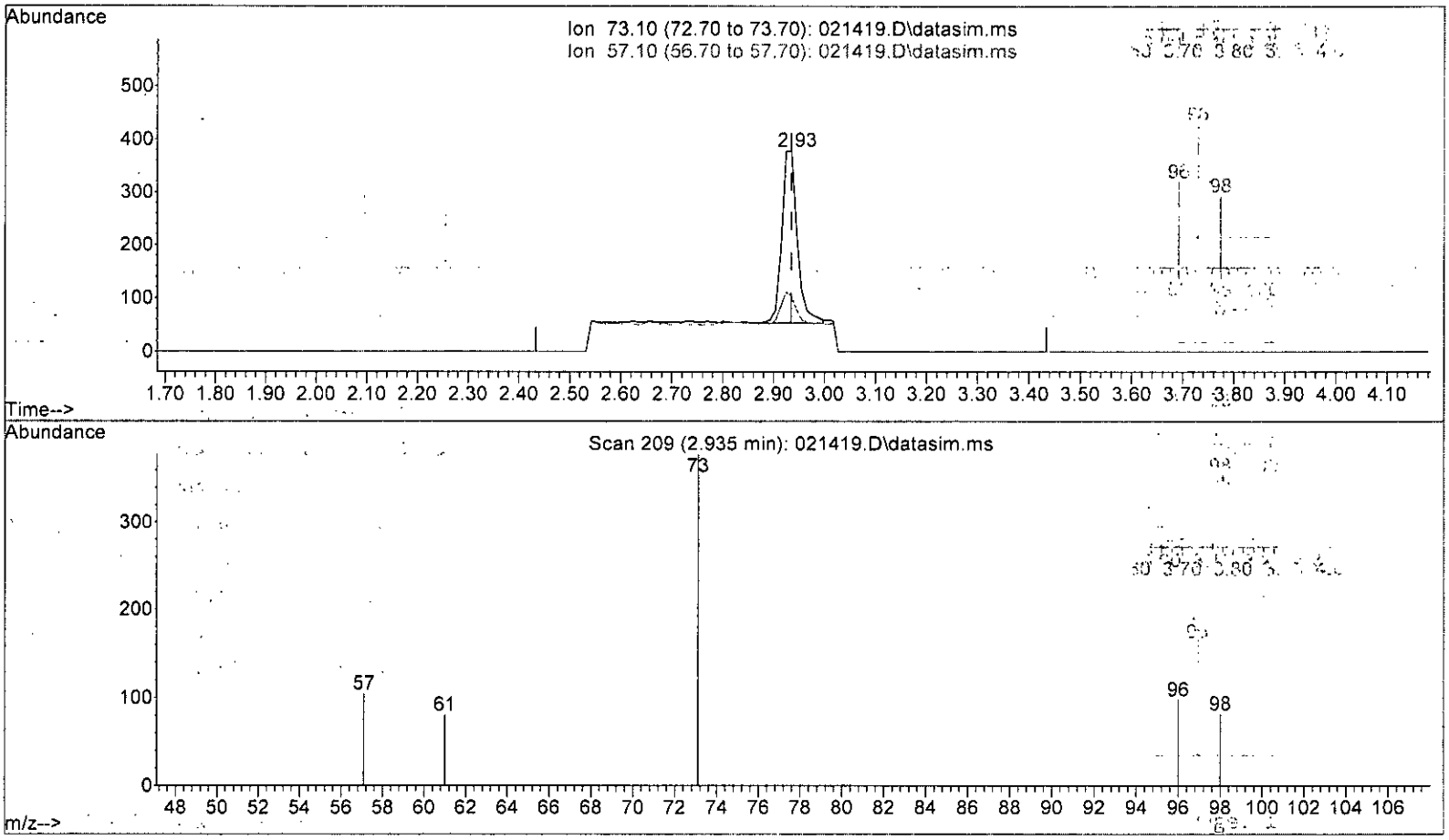
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.299 ppb
response 1114

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.183 ppb m

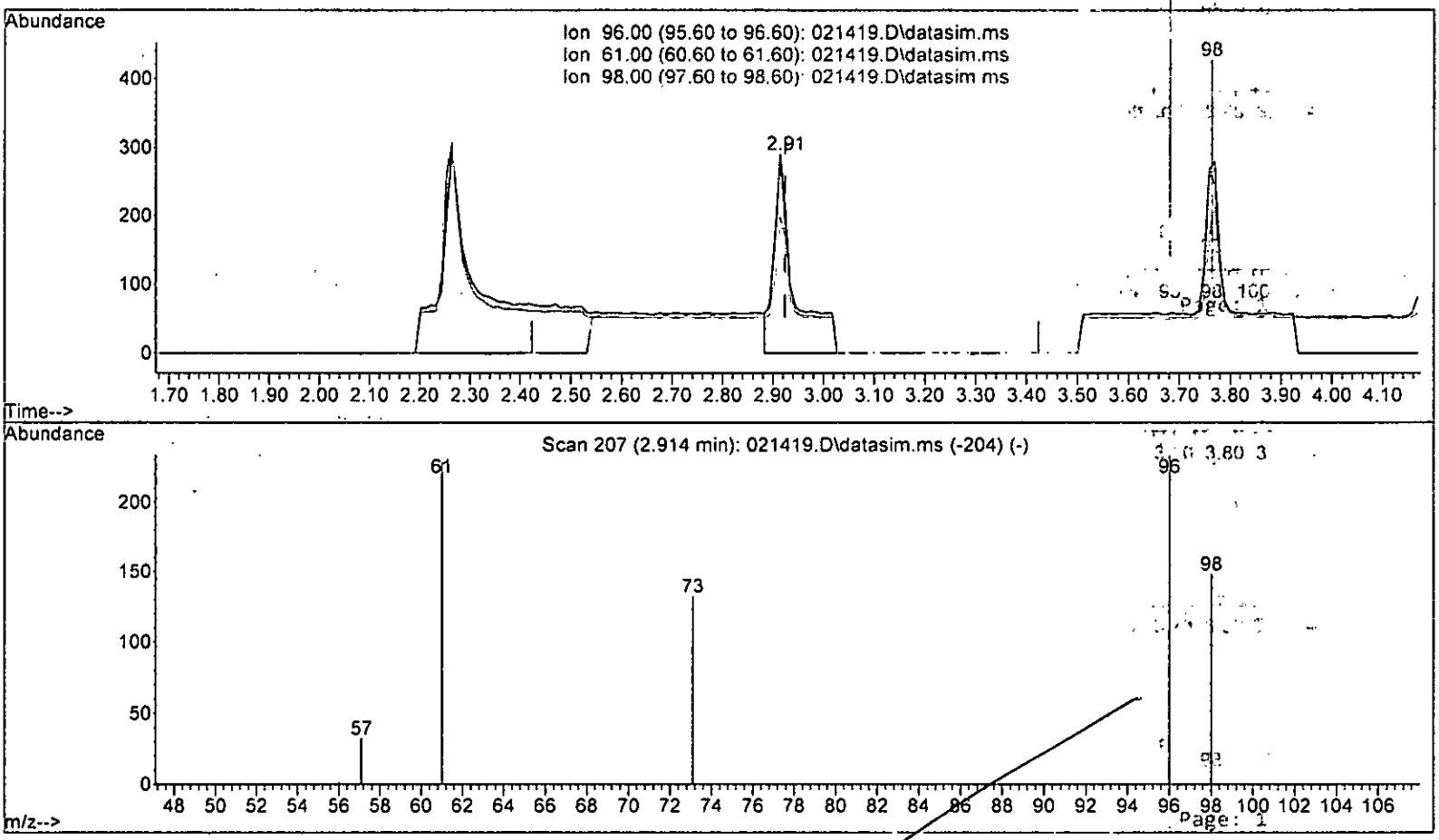
response 682

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

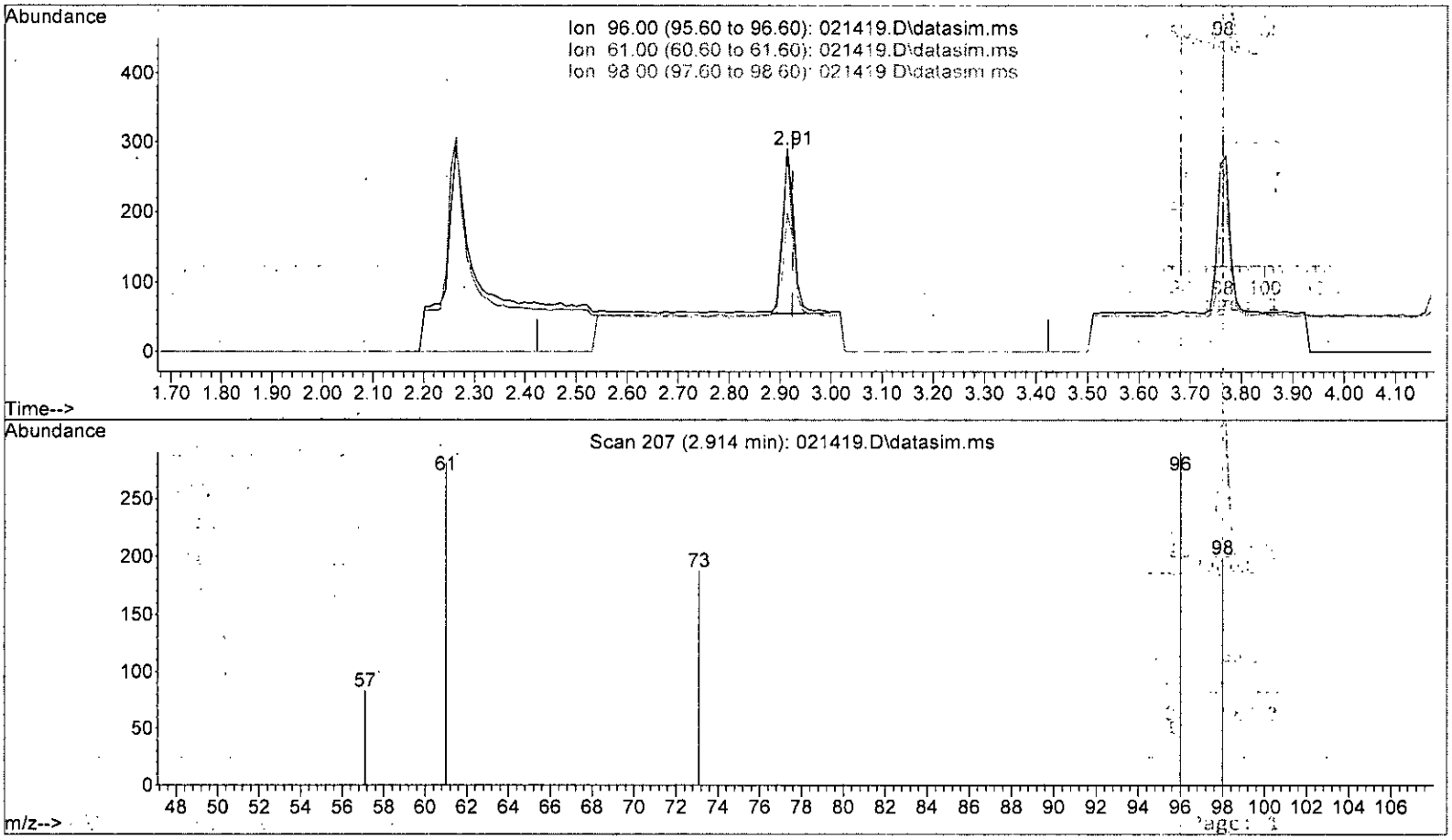
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.420 ppb
response 805

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.185 ppb m
response 355

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.655	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.200	0.191	4.5	103	-0.02
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.200	0.287	-43.5#	100	-0.02
9	TMP	Trichlorofluoromethane	0.200	0.156	22.0#	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	-1.000	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.200	0.171	14.5	96	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.183	8.5	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.185	7.5	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.200	0.182	9.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.188	6.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.235	-17.5	100	-0.01
21	TMP	2,2-Dichloropropane	0.200	0.261	-30.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.184	8.0	100	0.00
23	TMP	Chloroform	0.200	0.207	-3.5	100	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.186	7.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.188	6.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.183	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.206	-3.0	100	-0.01
29	TMP	Carbon tetrachloride	0.200	0.285	-42.5#	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.309	6.9	100	0.00
31	TMP	Benzene	0.200	0.189	5.5	100	0.00
32	TMP	Trichloroethene	0.200	0.182	9.0	100	-0.01
33	TMP	1,2-Dichloropropane	0.200	0.167	16.5	100	0.00
34	TMP	Bromodichloromethane	0.200	0.217	-8.5	100	0.00
35	S	Toluene-d8	10.000	9.365	6.3	100	0.00
36	TMP	Dibromomethane	0.200	0.174	13.0	100	0.00
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.200	0.172	14.0	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.196	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.190	5.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.200	0.0	100	-0.01
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.199	0.5	100	0.00
45	TMP	Tetrachloroethene	0.200	0.201	-0.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.188	6.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.188	6.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.197	1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.196	2.0	100	0.00
51	TMP	m,p-Xylene	0.400	0.396	1.0	100	0.00
52	TMP	o-Xylene	0.200	0.201	-0.5	100	0.00
53	TMP	Styrene	0.200	0.199	0.5	100	0.00
54	TMP	Isopropylbenzene	0.200	0.213	-6.5	100	0.00
55	TMP	Bromoform	0.200	0.182	9.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.120	-1.2	100	0.00
58	TMP	n-Propylbenzene	0.200	0.207	-3.5	100	0.00
59	TMP	Bromobenzene	0.200	0.224	-12.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.200	0.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.208	-4.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.168	16.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.165	17.5	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.233	-16.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.189	5.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.192	4.0	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.195	2.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.201	-0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.200	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.178	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.211	-5.5	100	0.00
75	TMP	Naphthalene	0.200	0.205	-2.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.195	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.301	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.514	3.4	103	-0.02
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.225	8.9	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.029	22.0#	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.440	0.377	14.3	96	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.506	8.3	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.263	7.4	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.438#	8.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.307	6.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.178	31.0#	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.223	5.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.278	7.9	100	0.00
23	TMP	Chloroform	0.430	0.446	-3.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.481#	6.8	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.293	2.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.399	8.7	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.303	-3.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.380	17.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	0.876	0.819	6.5	100	0.00
32	TMP	Trichloroethene	0.338	0.304	10.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.145	16.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.251	16.3	100	0.00
35	S	Toluene-d8	0.931	0.872	6.3	100	0.00
36	TMP	Dibromomethane	0.171	0.149	12.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.224	27.5#	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.734	3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.449	0.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.410	6.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.330	0.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.907	6.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.298	2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.382	2.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.849	0.7	100	0.00
54	TMP	Isopropylbenzene	1.393	1.481	-6.3	100	0.00
55	TMP	Bromoform	0.295	0.268	9.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.458	-3.7	100	0.00
59	TMP	Bromobenzene	0.857	0.958	-11.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.948	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.423#	10.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.307#	15.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.494	-6.8	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.870	-16.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.234	-8.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.878	5.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.432	3.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.428	2.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.630	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.566	-6.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.456	-0.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.859	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.634	-5.7	100	0.00
75	TMP	Naphthalene	1.920	1.714	10.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.695	19.2	100	0.00

(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	67422	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	56491	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32724	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20326	9.655	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%				
30) 1,2-Dichloroethane-d4	4.45	102	3891	9.309	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 93.10%				
35) Toluene-d8	6.11	98	58793	9.365	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.70%				
57) 4-Bromofluorobenzene	8.51	95	20418	10.120	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.20%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.31	62	693m	0.191	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.64	64	303m	0.287	ppb		
9) Trichlorofluoromethane	1.84	101	1388	0.156	ppb		99
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.35	58	37	Below Cal	#		1
12] 1,1-Dichloroethene	2.26	96	509m	0.171	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	682m	0.183	ppb		
17] trans-1,2-Dichloroethene	2.91	96	355m	0.185	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	590	0.182	ppb		82
19] 1,1-Dichloroethane	3.27	63	414	0.188	ppb		89
20) Ethyl t-butyl ether (E...	3.65	87	240	0.235	ppb		96
21) 2,2-Dichloropropane	3.76	77	301	0.261	ppb		45
22] cis-1,2-Dichloroethene	3.77	96	375	0.184	ppb		88
23) Chloroform	4.04	83	601	0.207	ppb		88
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	4.60	73	649	0.186	ppb		86
26] 1,2-Dichloroethane (EDC)	4.52	62	395	0.188	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	538	0.183	ppb		95
28) 1,1-Dichloropropene	4.32	75	408	0.206	ppb		79
29) Carbon tetrachloride	4.32	117	513	0.285	ppb		75
31] Benzene	4.50	78	1105	0.189	ppb		98
32] Trichloroethene	5.04	95	410	0.182	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	195	0.167	ppb	#	80
34) Bromodichloromethane	5.48	83	339	0.217	ppb		87
36) Dibromomethane	5.34	93	201	0.174	ppb	#	56

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

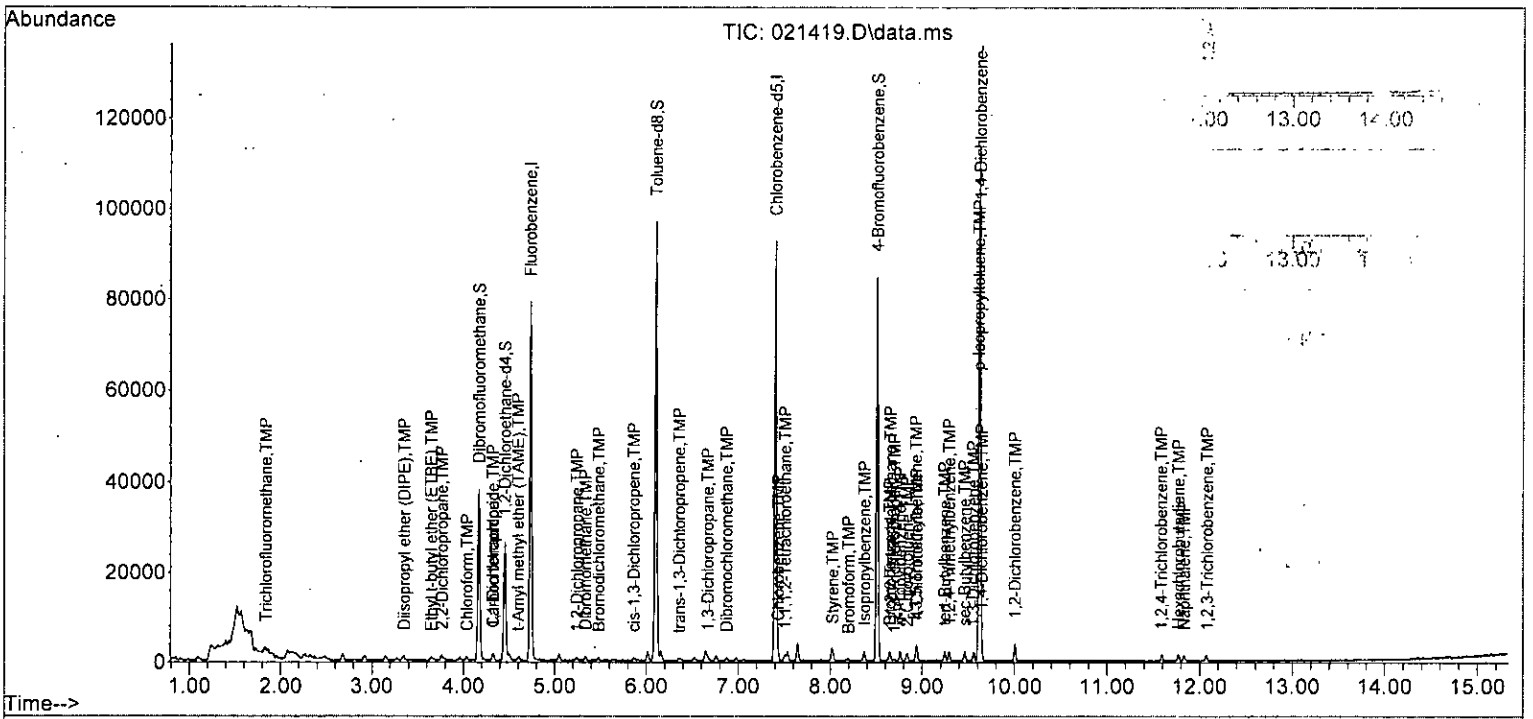
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d		
38) cis-1,3-Dichloropropene	5.86	75	302	0.172	ppb		90
40] Toluene	6.16	92	829	0.196	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	340	0.190	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	229	0.200	ppb	#	71
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.67	76	382	0.199	ppb		91
45] Tetrachloroethene	6.65	164	507	0.201	ppb		97
46) Dibromochloromethane	6.87	129	463	0.188	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	373	0.200	ppb		100
48) Chlorobenzene	7.43	112	1025	0.188	ppb		97
49] Ethylbenzene	7.54	91	1466	0.197	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	432	0.196	ppb		77
51] m,p-Xylene	7.65	106	1305	0.396	ppb		97
52] o-Xylene	8.02	106	638	0.201	ppb		100
53) Styrene	8.03	104	959	0.199	ppb		91
54) Isopropylbenzene	8.37	105	1673	0.213	ppb		97
55) Bromoform	8.20	173	303	0.182	ppb		81
58) n-Propylbenzene	8.76	91	1609	0.207	ppb		98
59) Bromobenzene	8.65	156	627	0.224	ppb		88
60) 1,3,5-Trimethylbenzene	8.93	105	1275	0.200	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.65	83	277	0.208	ppb	#	59
62) 1,2,3-Trichloropropane	8.70	75	201	0.168	ppb	#	62
63) 2-Chlorotoluene	8.84	91	978	0.165	ppb		94
64) 4-Chlorotoluene	8.94	91	1224	0.233	ppb		79
65) tert-Butylbenzene	9.24	119	1462	0.218	ppb		82
66) 1,2,4-Trimethylbenzene	9.29	105	1229	0.189	ppb		93
67) sec-Butylbenzene	9.46	105	1592	0.192	ppb		95
68) p-Isopropyltoluene	9.61	119	1589	0.195	ppb		94
69) 1,3-Dichlorobenzene	9.55	146	1067	0.212	ppb		93
70) 1,4-Dichlorobenzene	9.64	146	1025	0.212	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	953	0.201	ppb		88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.59	180	562	0.178	ppb		78
74) Hexachlorobutadiene	11.77	225	415	0.211	ppb		88
75) Naphthalene	11.83	128	1122	0.205	ppb		91
76) 1,2,3-Trichlorobenzene	12.08	180	455	0.195	ppb		89

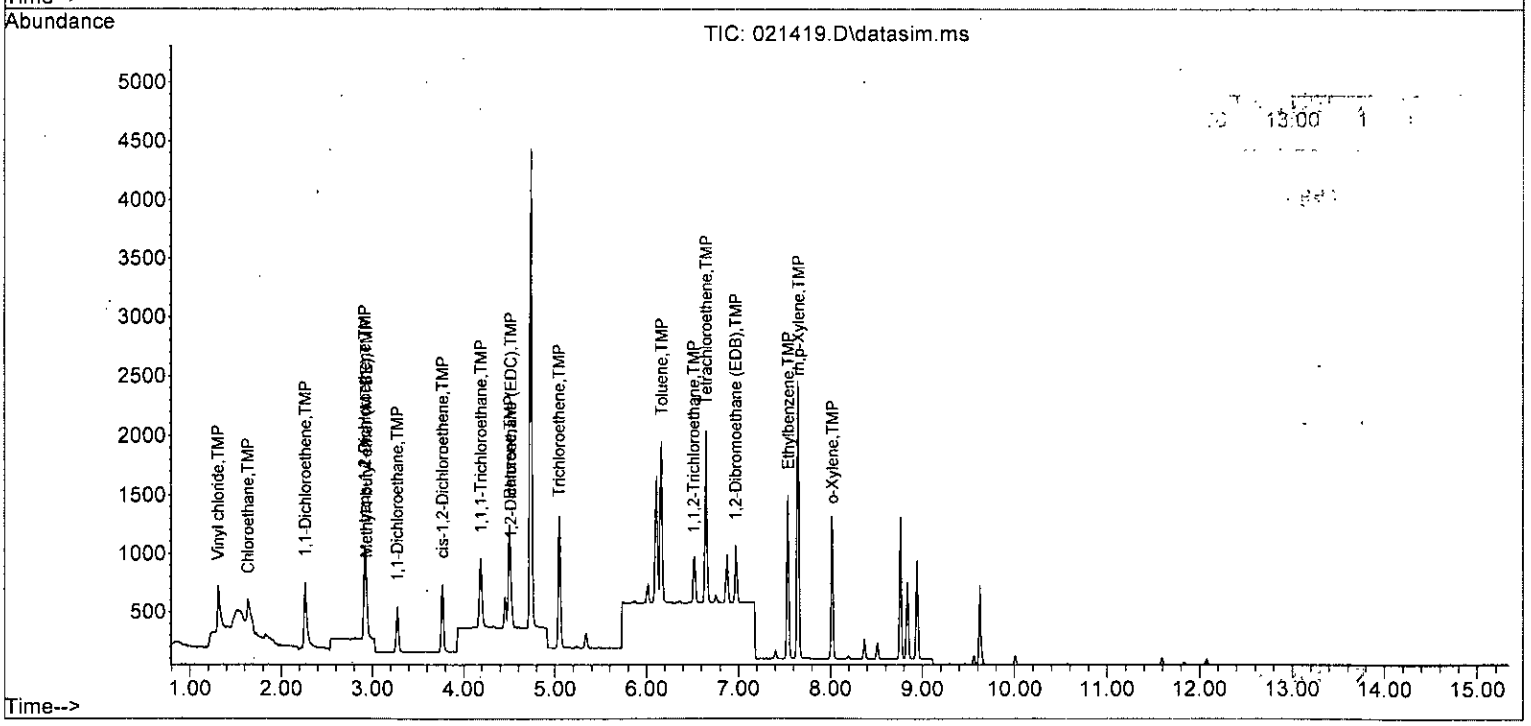
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

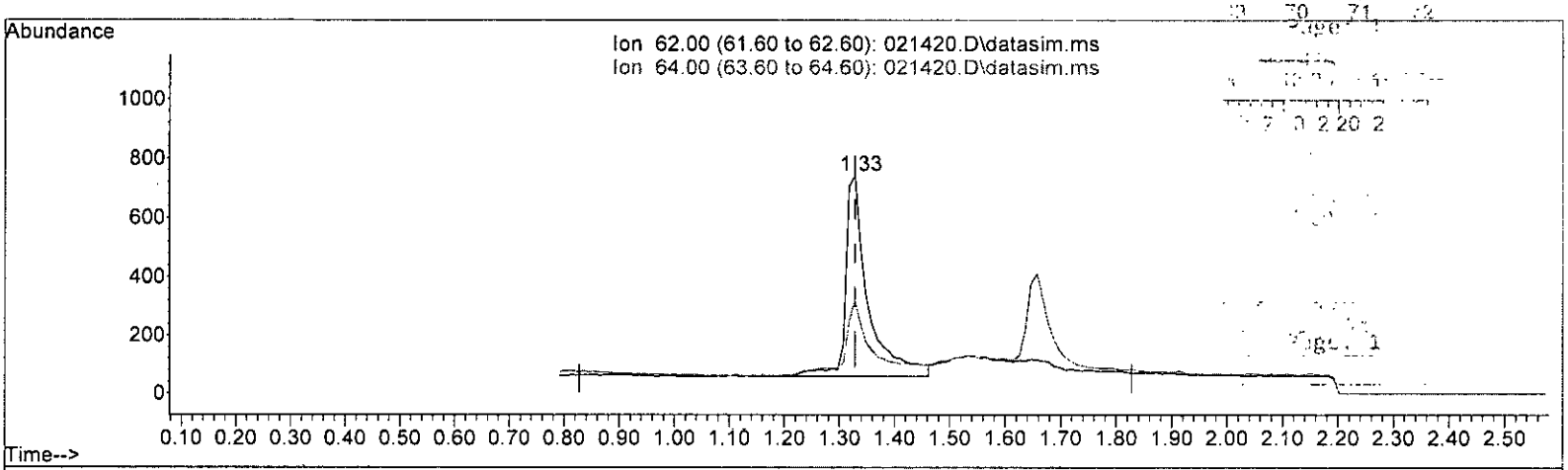


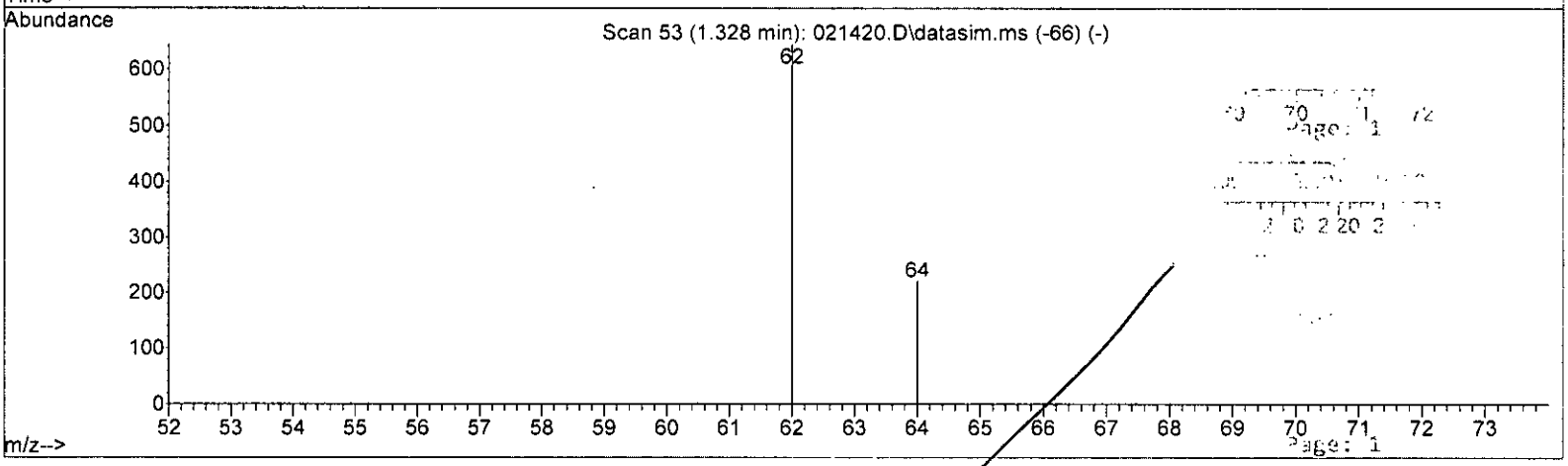


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.556 ppb
response 1954

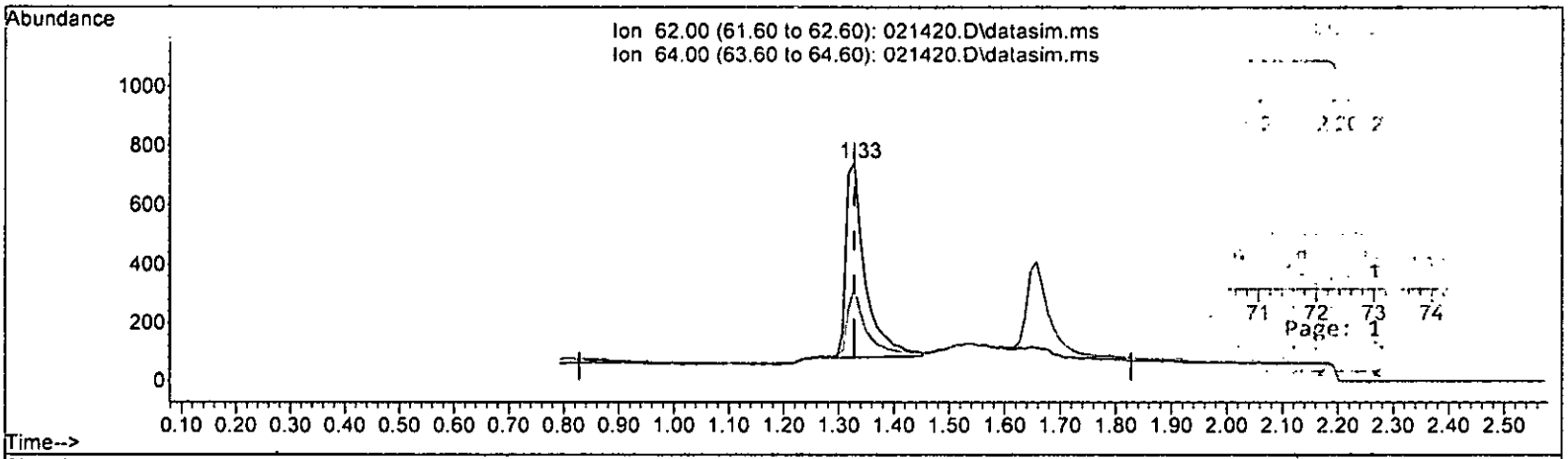
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	37.48
0.00	0.00	0.00
0.00	0.00	0.00

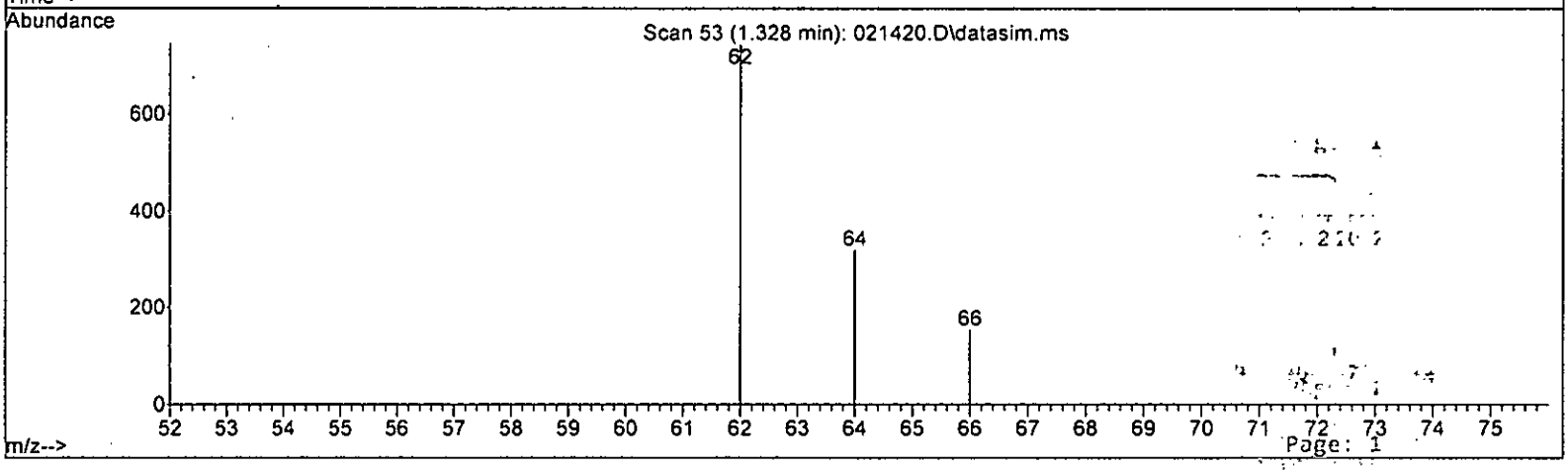
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Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.458 ppb m
response 1604

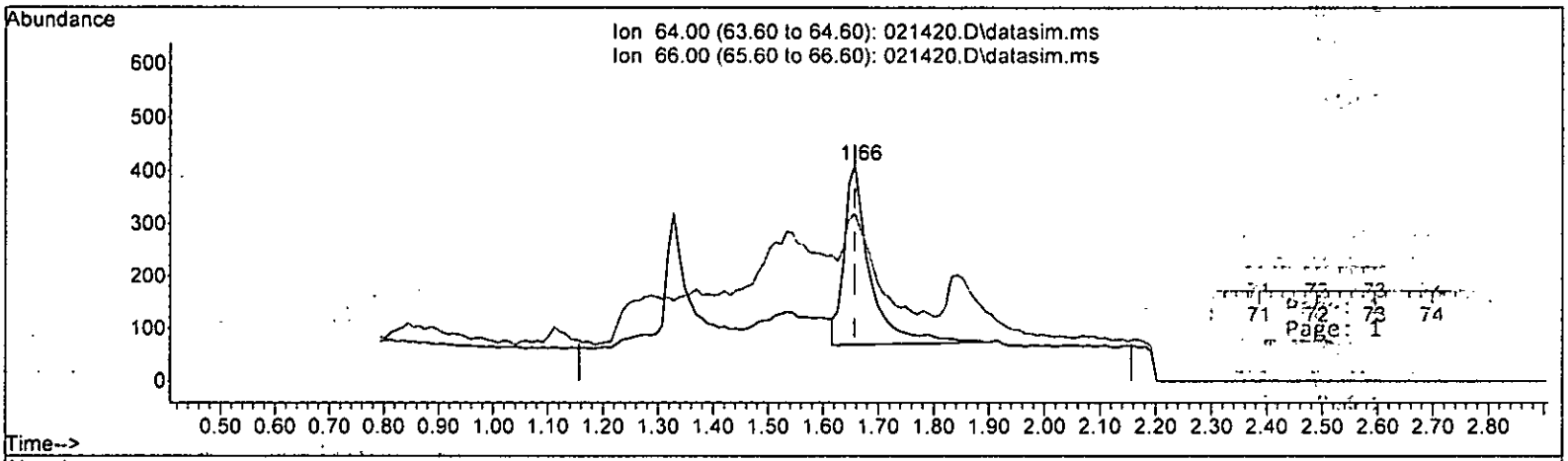
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	43.05
0.00	0.00	0.00
0.00	0.00	0.00

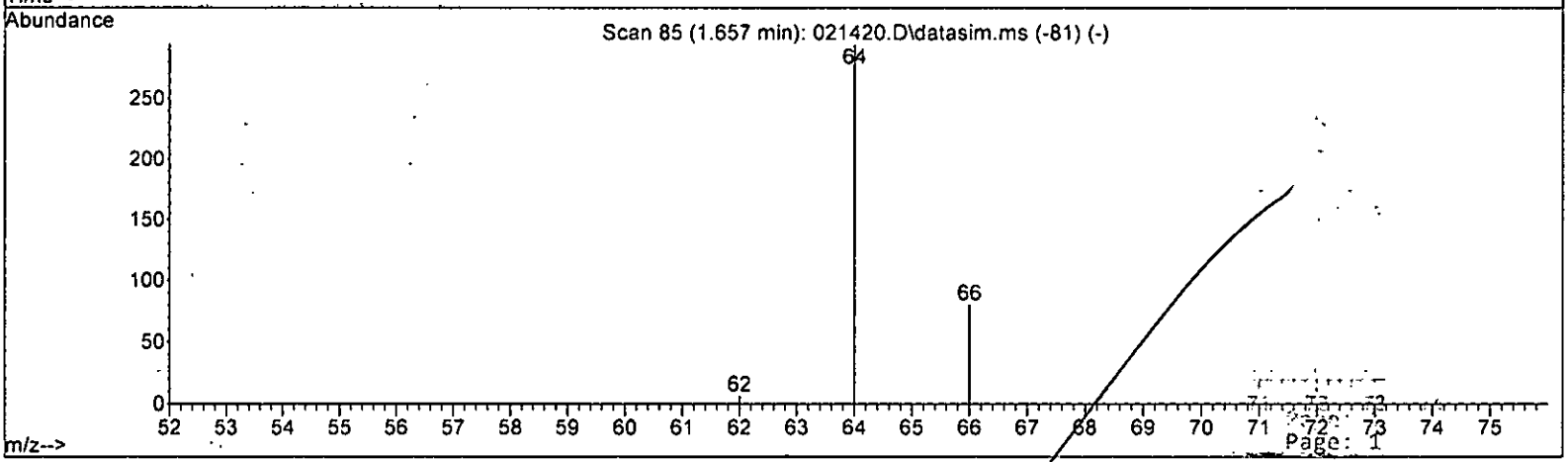
m 2/15

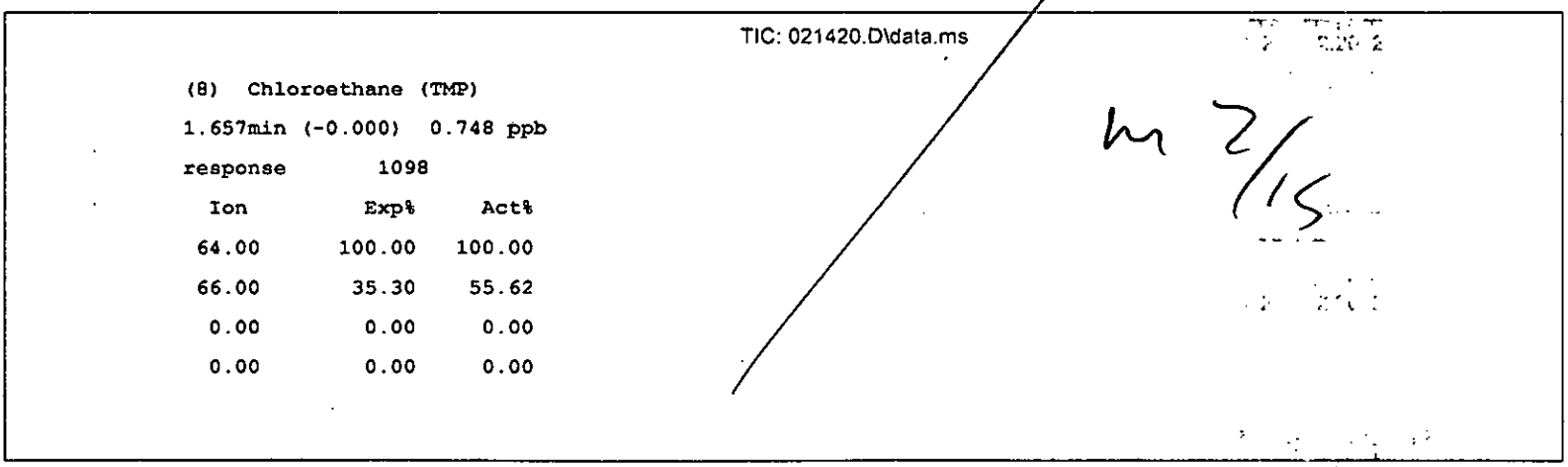
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(8) Chloroethane (TMP)
1.657min (-0.000) 0.748 ppb
response 1098

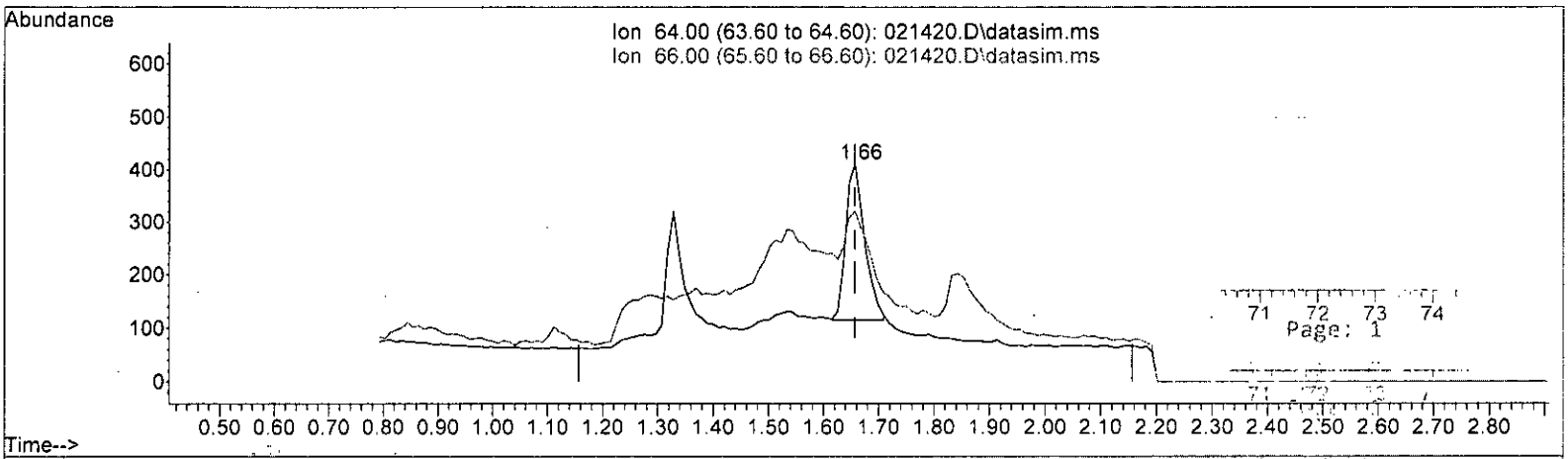
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.62
0.00	0.00	0.00
0.00	0.00	0.00

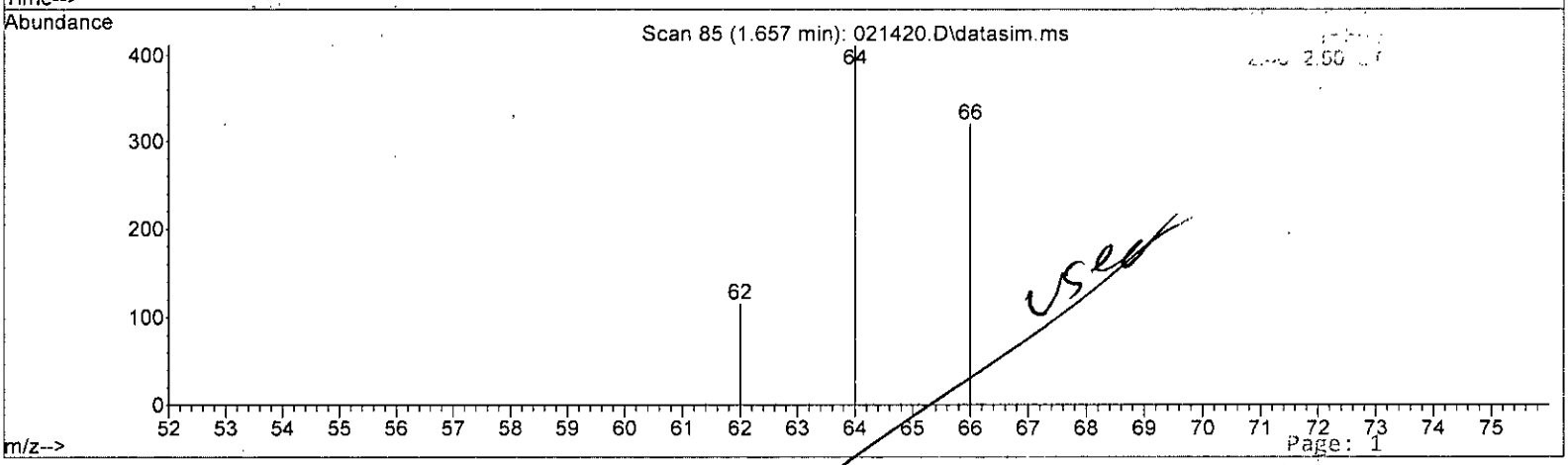
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(8) Chloroethane (TMP)
1.657min (-0.000) 0.519 ppb m
response 695

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	77.86#
0.00	0.00	0.00
0.00	0.00	0.00

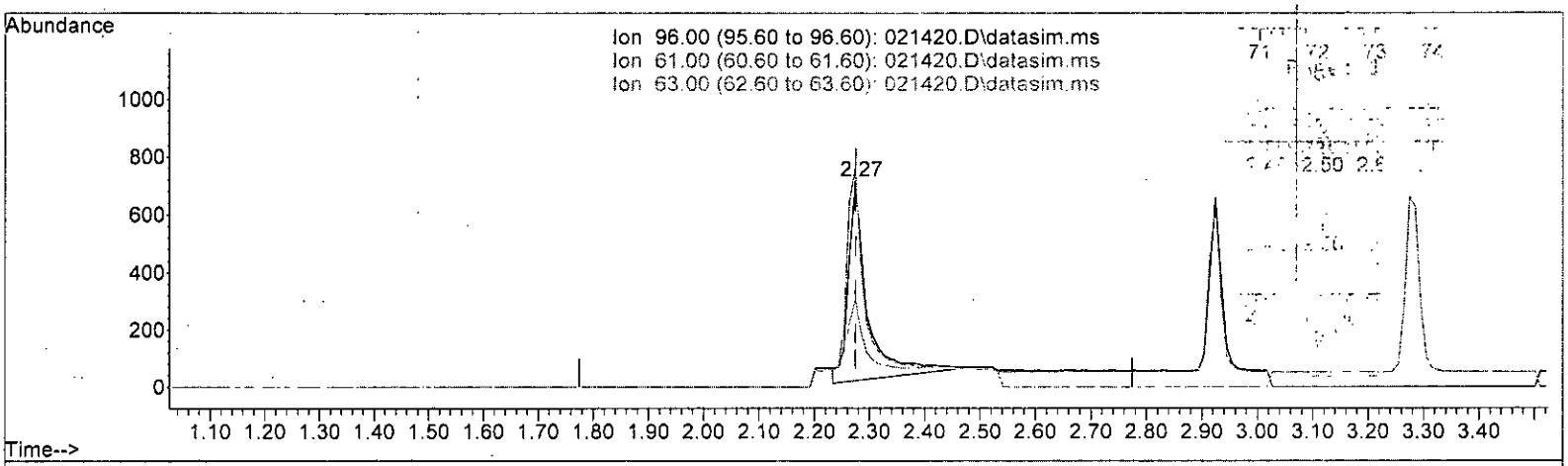
used

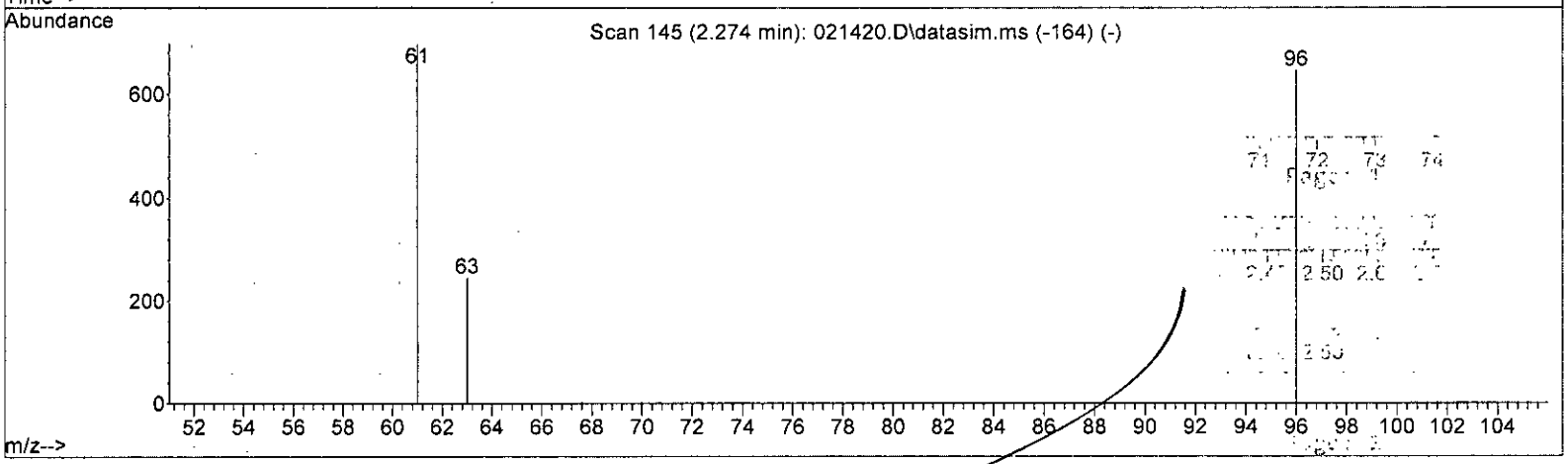
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.600 ppb
response 1690

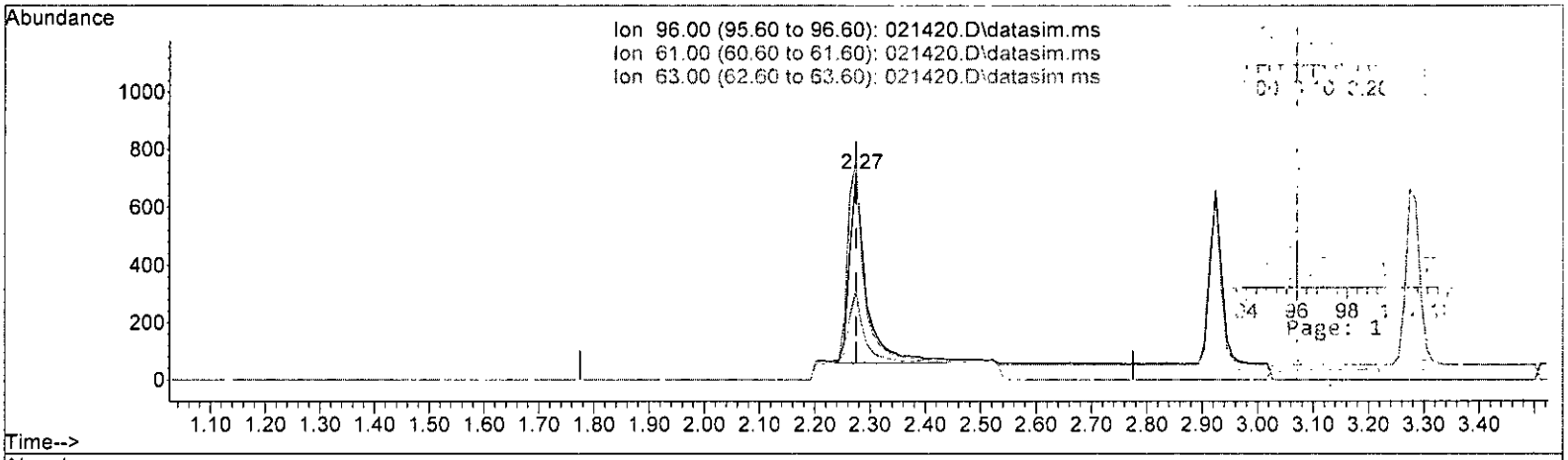
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	108.01
63.00	36.10	37.75
0.00	0.00	0.00

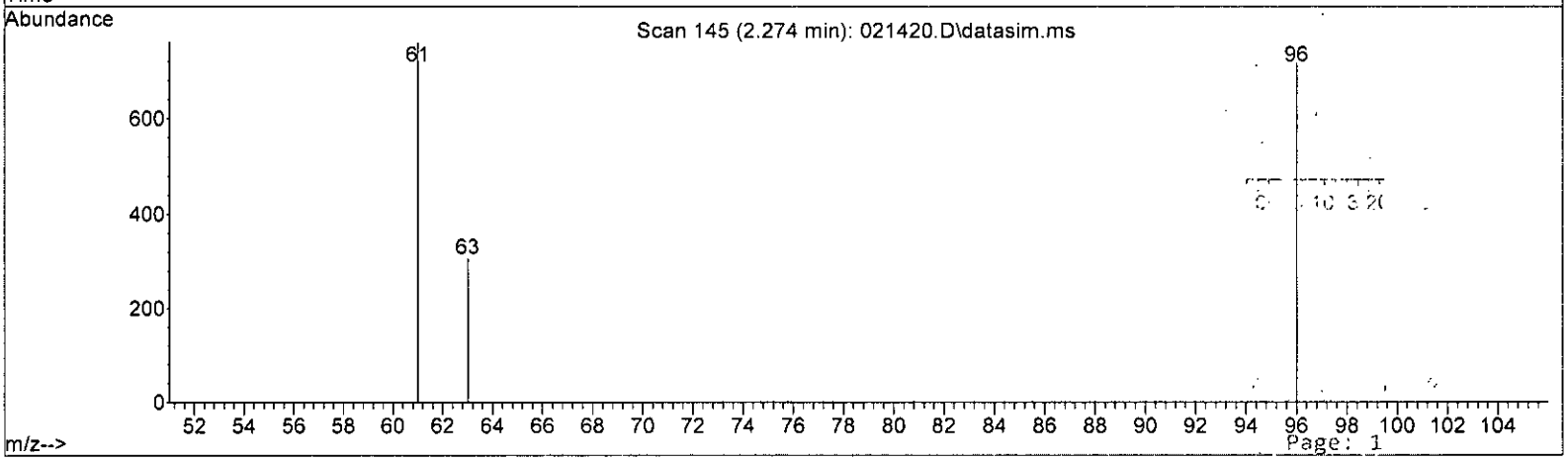
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.494 ppb m
response 1392

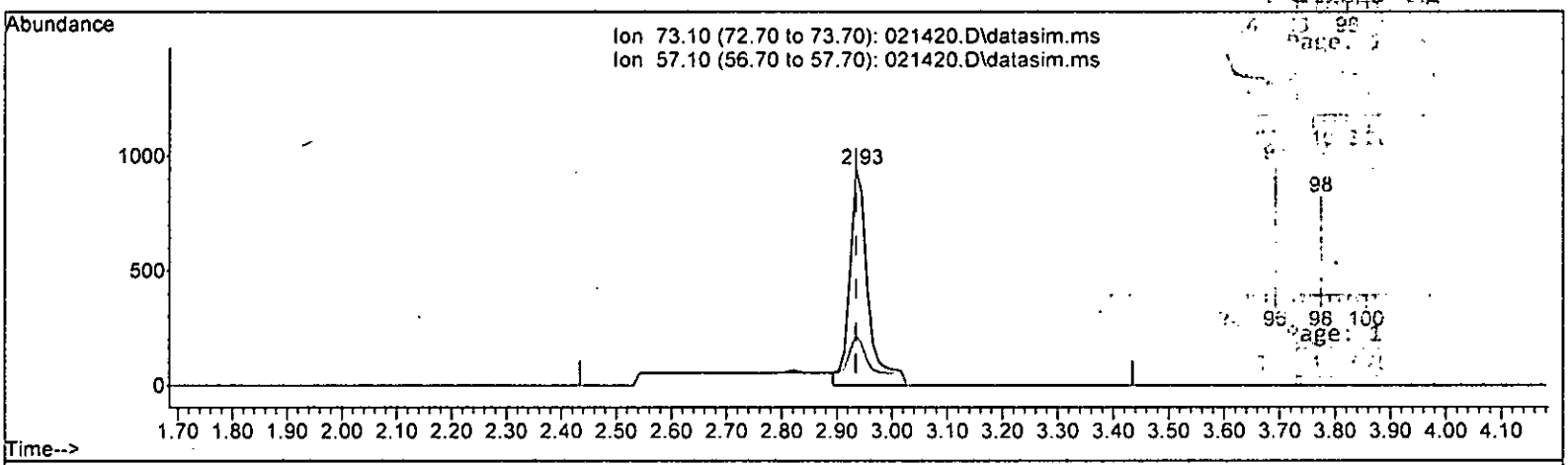
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	106.29
63.00	36.10	42.80
0.00	0.00	0.00

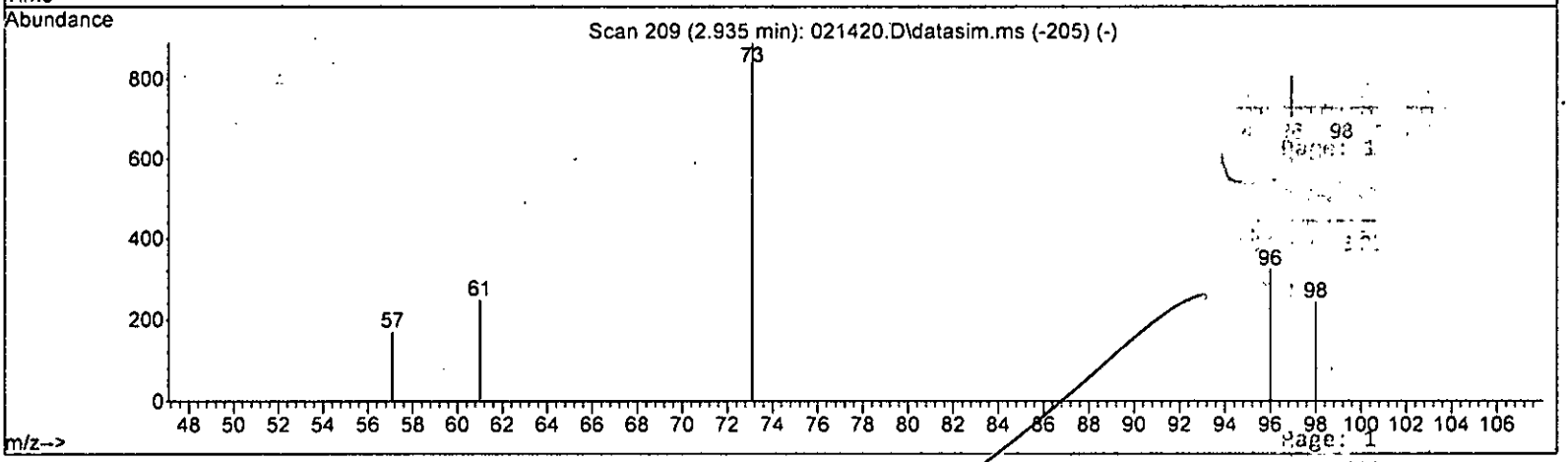
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

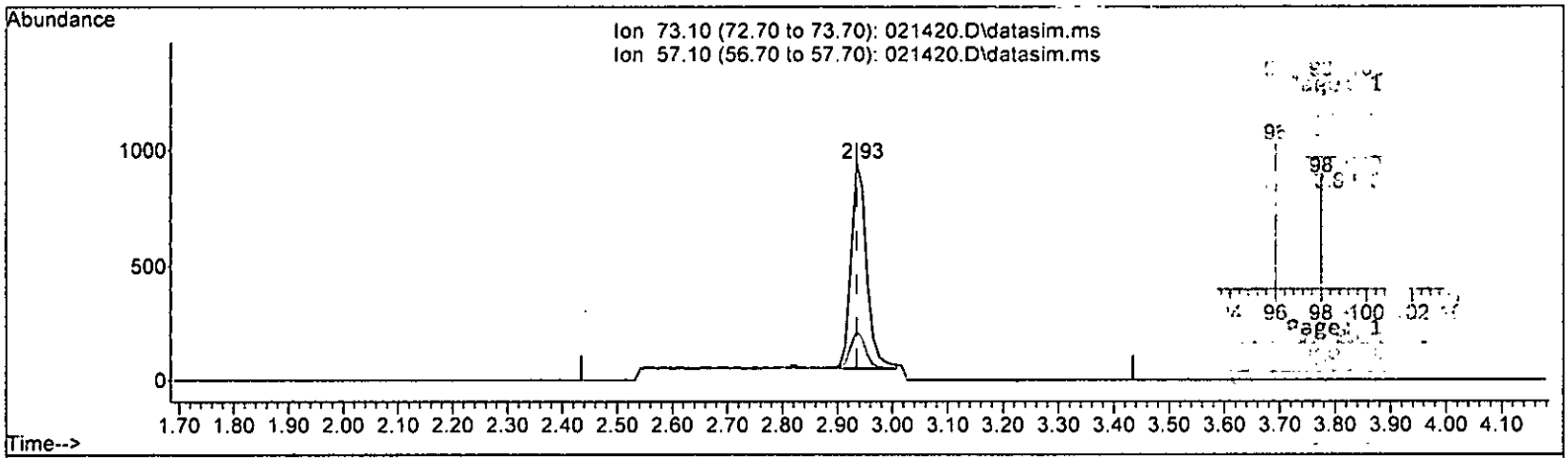
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.609 ppb
response 2153

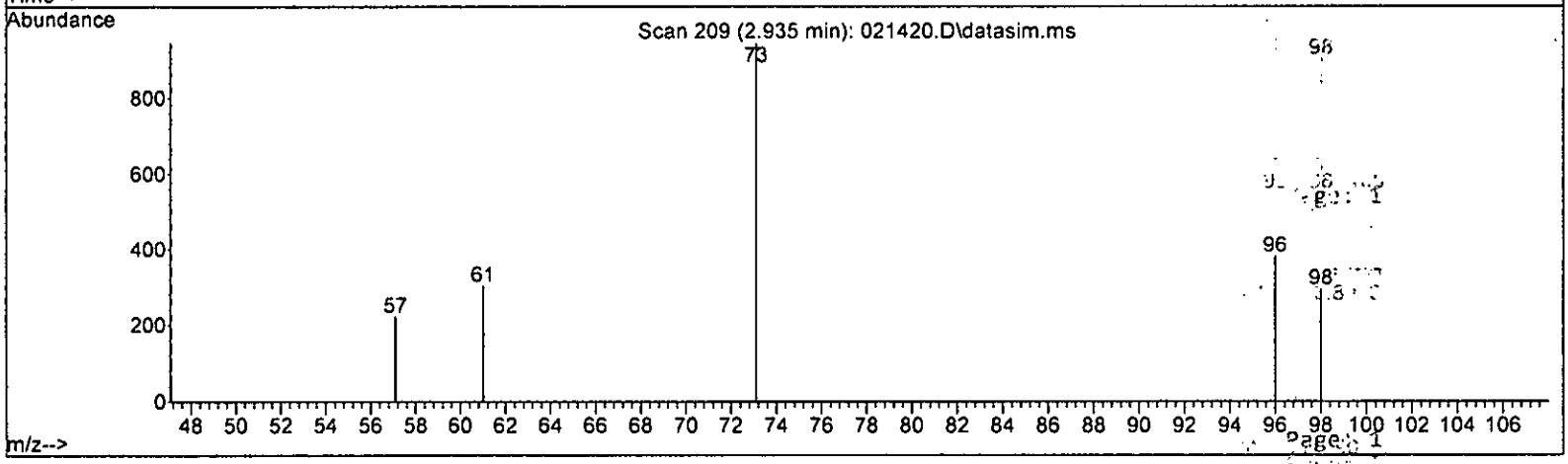
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.500 ppb m
response 1768

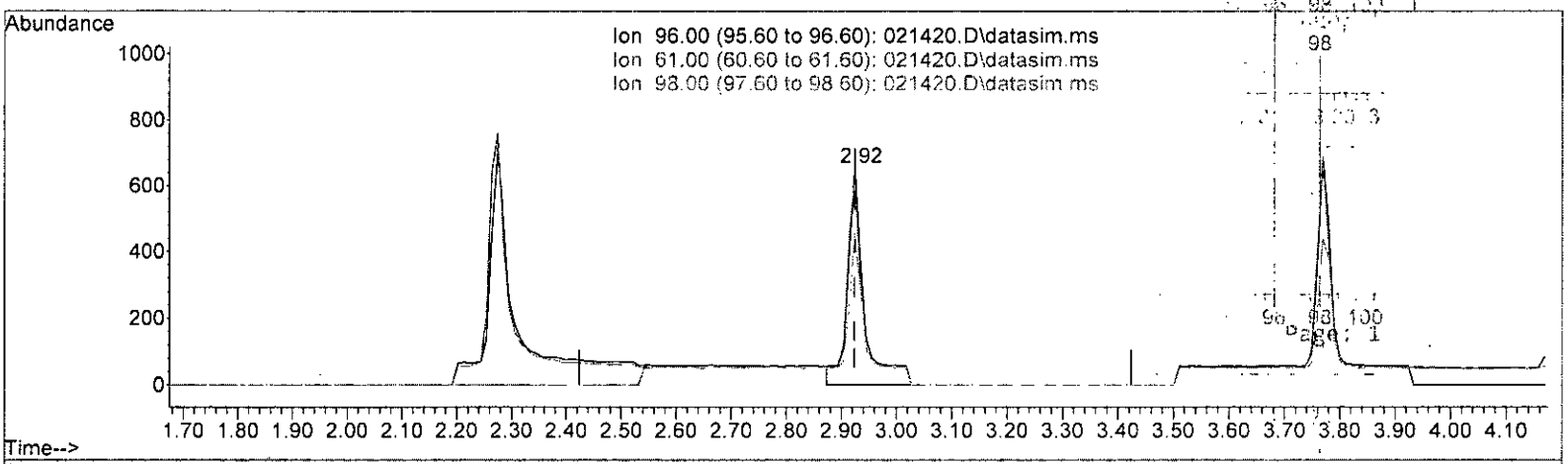
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

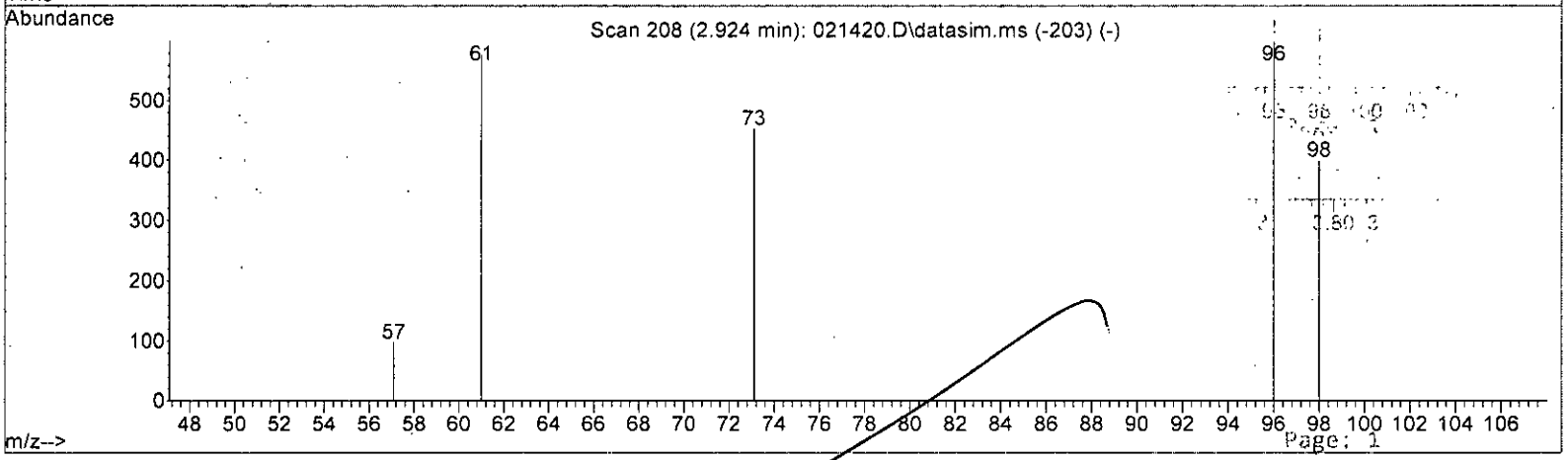
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.756 ppb
response 1376

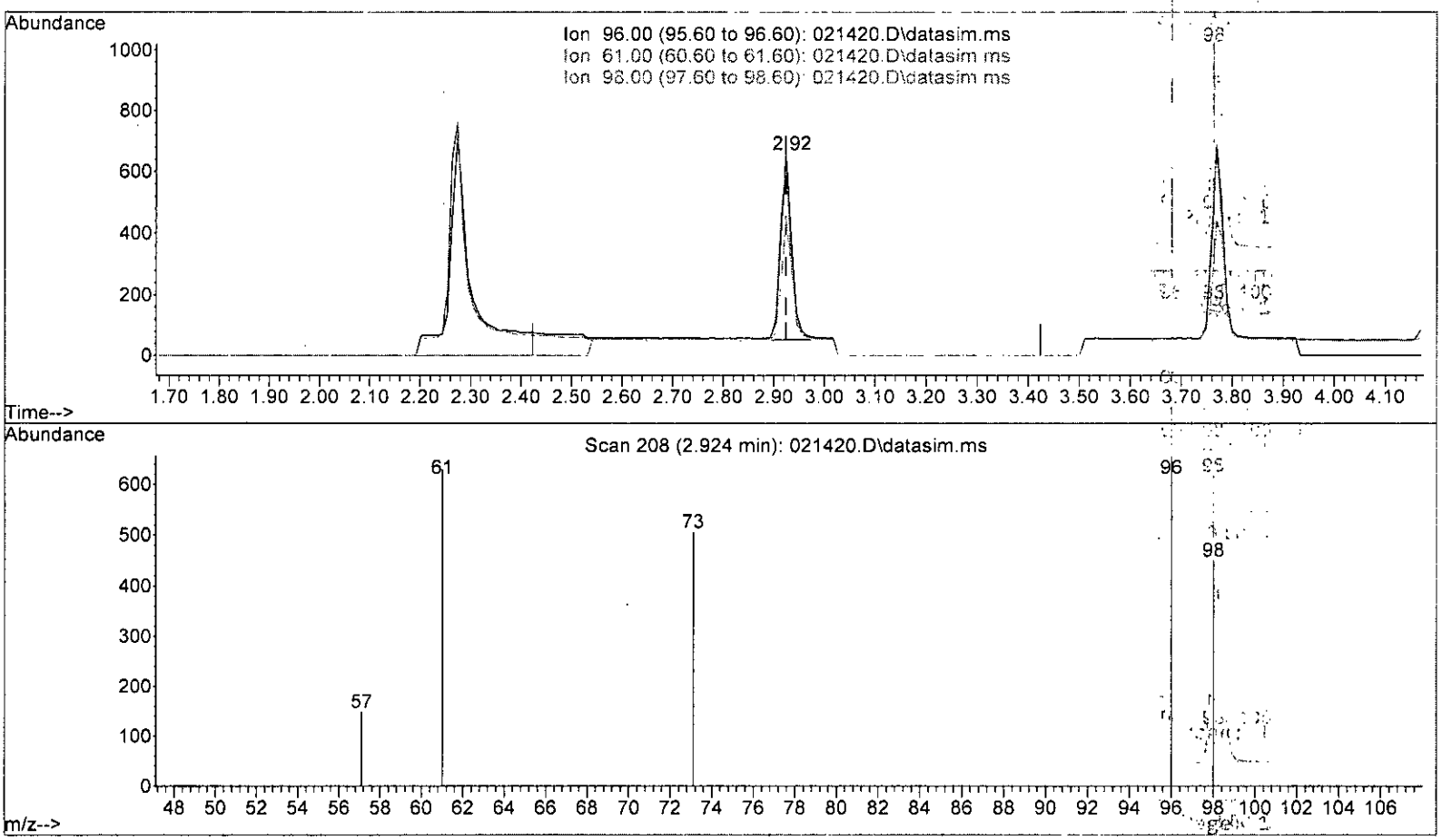
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

m 2 1/5

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.501 ppb m

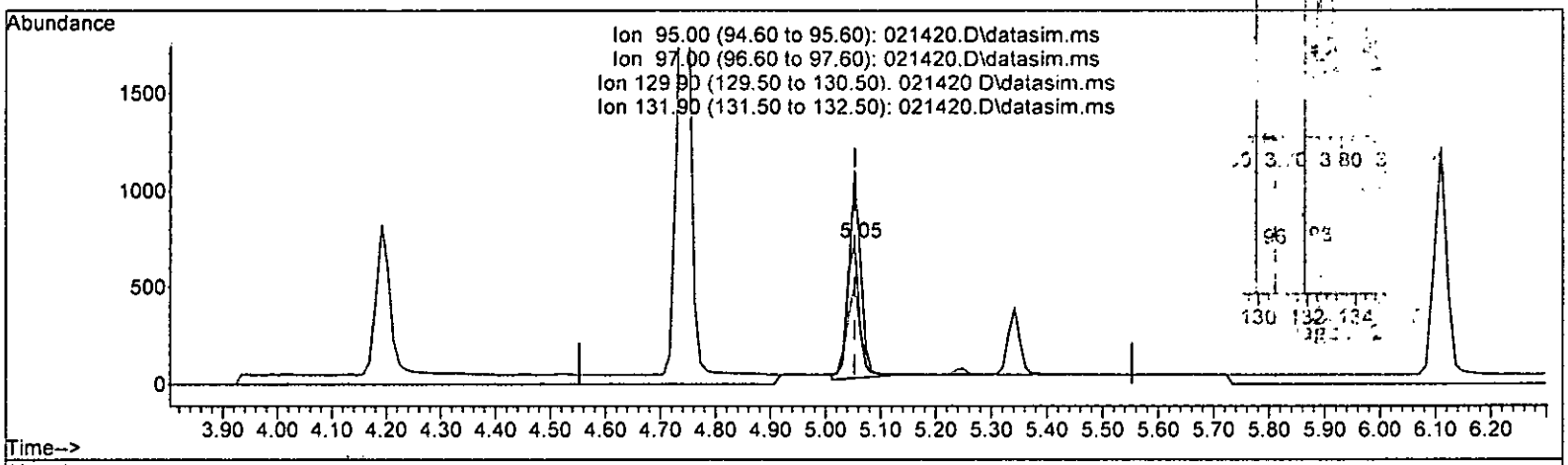
response 912

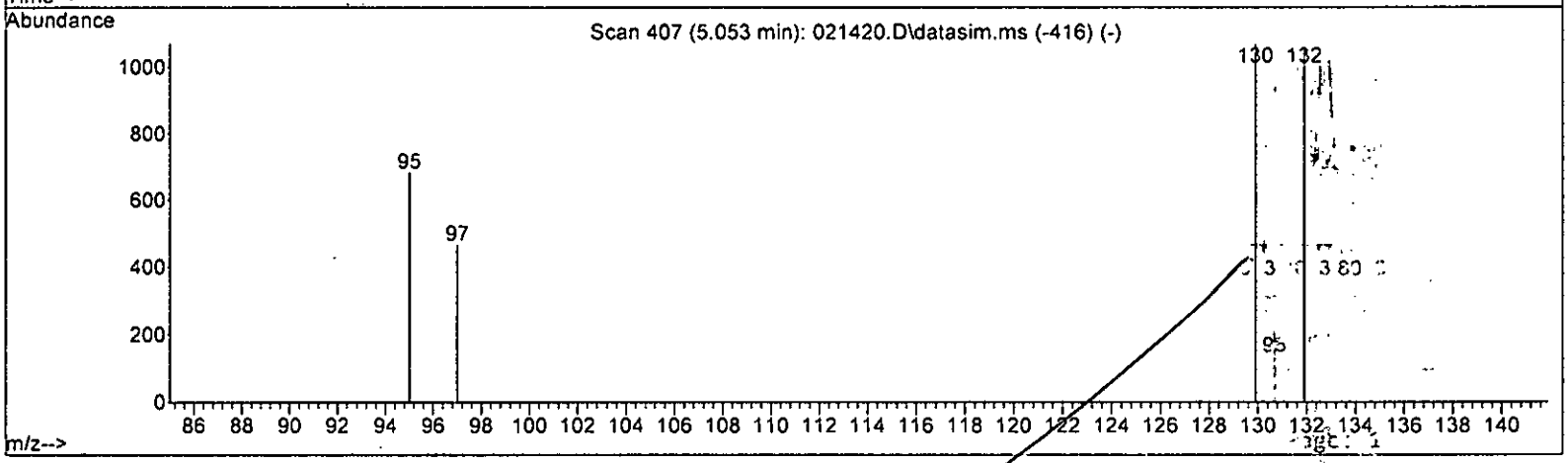
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

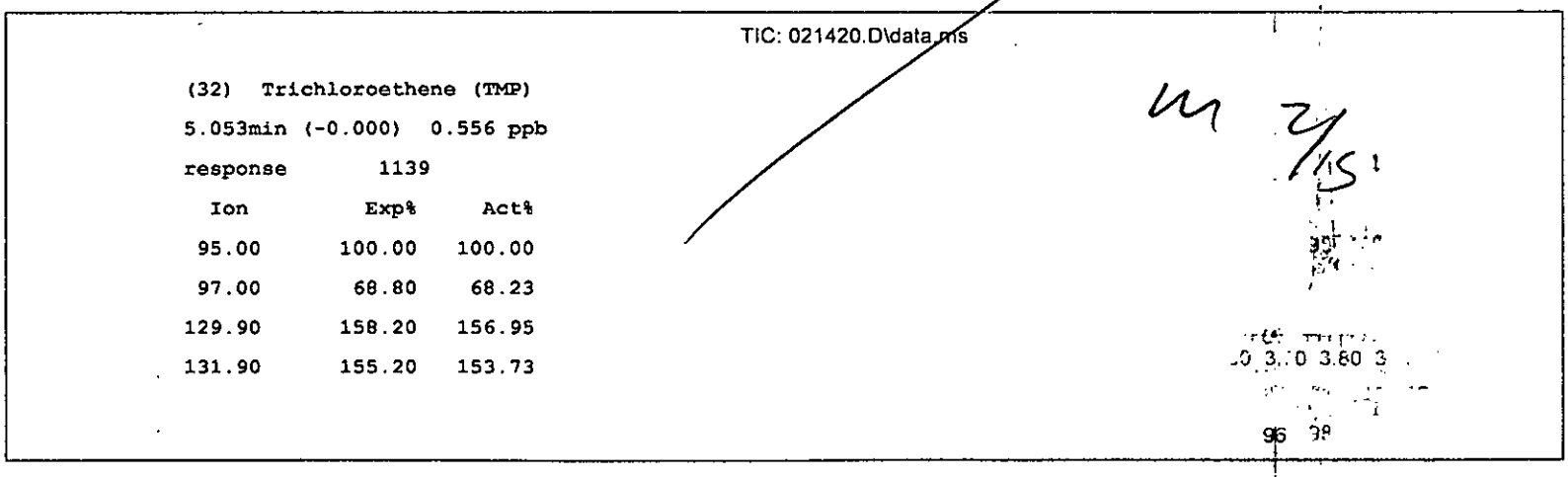
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







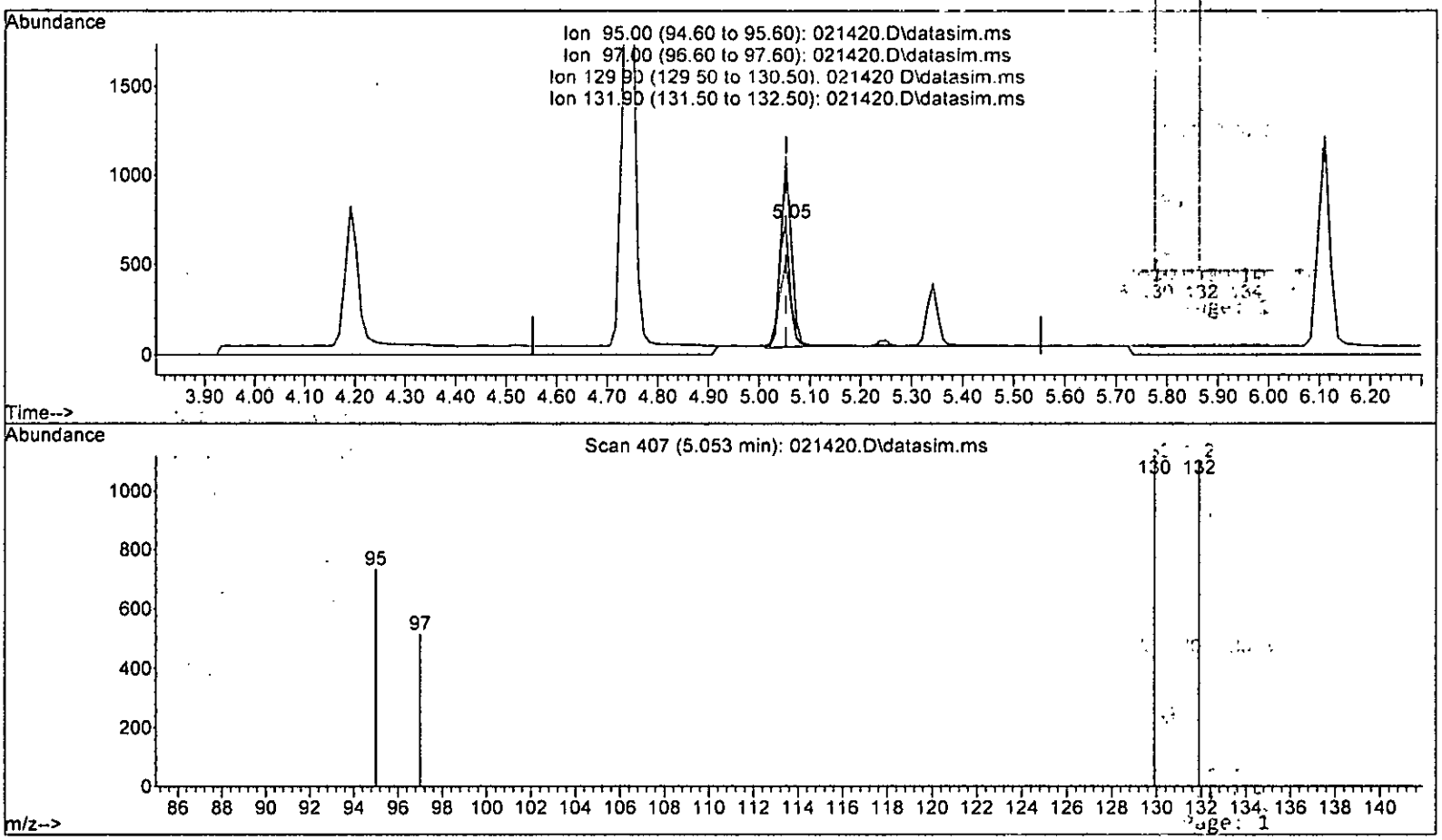
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.556 ppb
response 1139

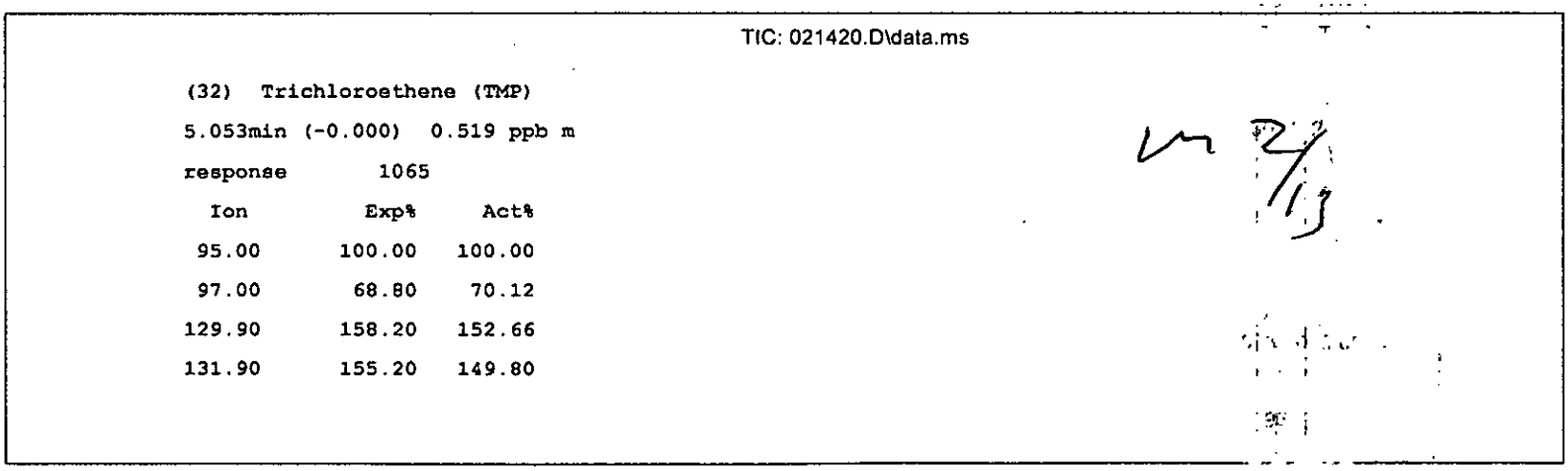
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.23
129.90	158.20	156.95
131.90	155.20	153.73

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





(32) Trichloroethene (TMP)
5.053min (-0.000) 0.519 ppb m
response 1065

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.12
129.90	158.20	152.66
131.90	155.20	149.80

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.325	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.469	6.2	100	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.500	0.458	8.4	97	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.500	0.519	-3.8	99	0.00
9	TMP	Trichlorofluoromethane	0.500	0.462	7.6	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	2.500	2.136	14.6	89	0.00
12	TMP	1,1-Dichloroethene	0.500	0.494	1.2	103	0.00
13	TMP	Hexane	0.500	0.530	-6.0	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.500	0.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.501	-0.2	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.539	-7.8	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.511	-2.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.609	-21.8#	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.573	-14.6	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.500	0.497	0.6	100	0.00
23	TMP	Chloroform	0.500	0.529	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.616	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.518	-3.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.506	-1.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.502	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.532	-6.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.599	-19.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.379	-3.8	100	0.00
31	TMP	Benzene	0.500	0.513	-2.6	100	0.00
32	TMP	Trichloroethene	0.500	0.519	-3.8	103	0.00
33	TMP	1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34	TMP	Bromodichloromethane	0.500	0.549	-9.8	100	0.00
35	S	Toluene-d8	10.000	10.141	-1.4	100	0.00
36	TMP	Dibromomethane	0.500	0.501	-0.2	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.051	18.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.552	-10.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.497	0.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.513	-2.6	100	0.00
43	TMP	2-Hexanone	2.500	2.609	-4.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.586	-17.2	100	0.00
45	TMP	Tetrachloroethene	0.500	0.504	-0.8	100	0.00
46	TMP	Dibromochloromethane	0.500	0.500	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.486	2.8	100	0.00
48	TMP	Chlorobenzene	0.500	0.506	-1.2	100	0.00
49	TMP	Ethylbenzene	0.500	0.503	-0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.449	10.2	100	0.00
51	TMP	m,p-Xylene	1.000	1.017	-1.7	100	0.00
52	TMP	o-Xylene	0.500	0.512	-2.4	100	0.00
53	TMP	Styrene	0.500	0.541	-8.2	100	0.00
54	TMP	Isopropylbenzene	0.500	0.506	-1.2	100	0.00
55	TMP	Bromoform	0.500	0.482	3.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.207	-2.1	100	0.00
58	TMP	n-Propylbenzene	0.500	0.510	-2.0	100	0.00
59	TMP	Bromobenzene	0.500	0.493	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.516	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.545	-9.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.564	-12.8	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.484	3.2	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.497	0.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.499	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.500	0.0	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.496	0.8	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.479	4.2	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.509	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.490	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.533	-6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.500	0.469	6.2	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.506	-1.2	100	0.00
75	TMP	Naphthalene	0.500	0.460	8.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.501	-0.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.685	6.2	100	0.00
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.501	5.8	97	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.217	12.1	99	0.00
9	TMP	Trichlorofluoromethane	1.319	1.220	7.5	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.028	-12.0	89	0.00
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	103	0.00
13	TMP	Hexane	0.231	0.244	-5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.553	-0.2	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.285	-0.4	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.519	-7.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.334	-2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.283	-9.7	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.246	-4.7	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.302	0.300	0.7	100	0.00
23	TMP	Chloroform	0.430	0.455	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.093	-4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.535	-3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.297	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.312	-6.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.479	-3.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.877	-0.1	100	0.00
32	TMP	Trichloroethene	0.338	0.333	1.5	103	0.00
33	TMP	1,2-Dichloropropane	0.173	0.160	7.5	100	0.00
34	TMP	Bromodichloromethane	0.300	0.323	-7.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.172	-0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.035	18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.320	-3.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.719	5.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.322	-1.9	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.208	-2.5	100	0.00
43	TMP	2-Hexanone	0.144	0.151	-4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.398	-17.1	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.437	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.322	2.7	100	0.00
48	TMP	Chlorobenzene	0.967	0.979	-1.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.300	2.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.351	10.2	100	0.00
51	TMP	m,p-Xylene	0.590	0.580	1.7	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.925	-8.2	100	0.00
54	TMP	Isopropylbenzene	1.393	1.409	-1.1	100	0.00
55	TMP	Bromoform	0.295	0.284	3.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	2.421	-2.1	100	0.00
59	TMP	Bromobenzene	0.857	0.845	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.009	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.497#	-5.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.411#	-12.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.451	-3.7	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.595	0.7	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.051	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.992	-0.1	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.509	0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.387	4.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.563	-1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.446	1.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.488	-2.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.090	-7.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.904	6.3	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.607	-1.2	100	0.00
75	TMP	Naphthalene	1.920	1.580	17.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.770	10.5	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63984	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57214	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33099	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20628	10.325	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%				
30) 1,2-Dichloroethane-d4	4.45	102	4117	10.379	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.80%				
35) Toluene-d8	6.11	98	60420	10.141	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.40%				
57) 4-Bromofluorobenzene	8.51	95	20830	10.207	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	2190	0.469	ppb		99
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	1604m	0.458	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.66	64	695m	0.519	ppb		
9) Trichlorofluoromethane	1.84	101	3902	0.462	ppb		93
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	451	2.136	ppb	#	80
12] 1,1-Dichloroethene	2.27	96	1392m	0.494	ppb		
13) Hexane	3.16	57	782	0.530	ppb		92
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	1768m	0.500	ppb		
17] trans-1,2-Dichloroethene	2.92	96	912m	0.501	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1661	0.539	ppb		91
19] 1,1-Dichloroethane	3.27	63	1069	0.511	ppb		100
20) Ethyl t-butyl ether (E...	3.66	87	905	0.609	ppb	#	73
21) 2,2-Dichloropropane	3.77	77	787	0.573	ppb		87
22] cis-1,2-Dichloroethene	3.77	96	960	0.497	ppb		99
23) Chloroform	4.04	83	1455	0.529	ppb		89
24) 2-Butanone (MEK)	3.79	43	1491	2.616	ppb		96
25) t-Amyl methyl ether (T...	4.61	73	1710	0.518	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	951	0.506	ppb		100
27] 1,1,1-Trichloroethane	4.19	97	1401	0.502	ppb		99
28) 1,1-Dichloropropene	4.33	75	999	0.532	ppb		85
29) Carbon tetrachloride	4.33	117	1533	0.599	ppb		92
31] Benzene	4.50	78	2807	0.513	ppb		99
32] Trichloroethene	5.05	95	1065m	0.519	ppb		
33) 1,2-Dichloropropane	5.24	63	513	0.464	ppb	#	80
34) Bromodichloromethane	5.48	83	1033	0.549	ppb		98
36) Dibromomethane	5.34	93	550	0.501	ppb		98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

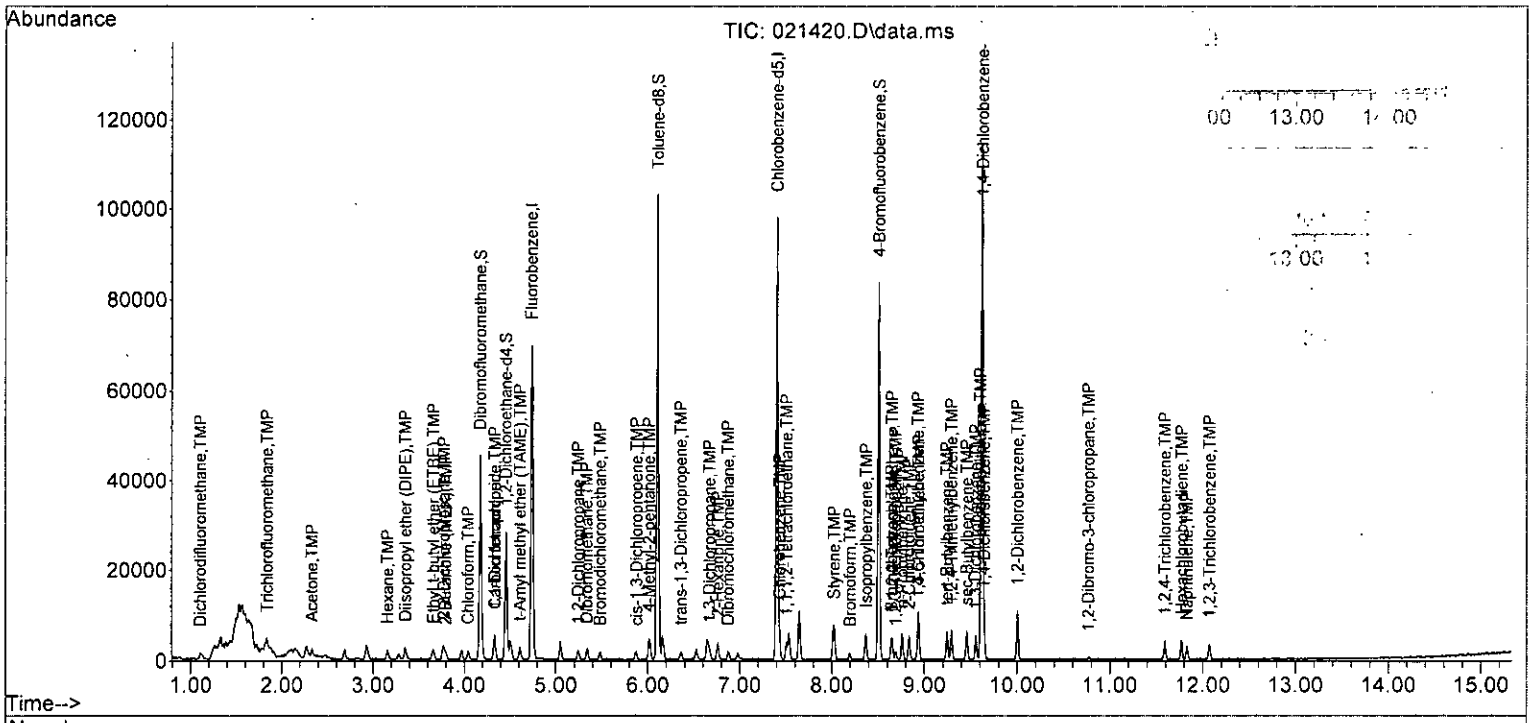
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	564	2.051	ppb		83
38) cis-1,3-Dichloropropene	5.88	75	1023	0.552	ppb		84
40] Toluene	6.16	92	2058	0.497	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	921	0.509	ppb		94
42] 1,1,2-Trichloroethane	6.53	83	595	0.513	ppb		99
43) 2-Hexanone	6.76	43	2155	2.609	ppb		94
44) 1,3-Dichloropropane	6.67	76	1139	0.586	ppb		94
45] Tetrachloroethene	6.65	164	1258	0.504	ppb		98
46) Dibromochloromethane	6.87	129	1250	0.500	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	921	0.486	ppb		99
48) Chlorobenzene	7.43	112	2800	0.506	ppb		94
49] Ethylbenzene	7.54	91	3720	0.503	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	1005	0.449	ppb		83
51] m,p-Xylene	7.65	106	3320	1.017	ppb		97
52] o-Xylene	8.02	106	1615	0.512	ppb		100
53) Styrene	8.03	104	2647	0.541	ppb		87
54) Isopropylbenzene	8.37	105	4030	0.506	ppb		98
55) Bromoform	8.20	173	812	0.482	ppb		75
58) n-Propylbenzene	8.76	91	4006	0.510	ppb		96
59) Bromobenzene	8.65	156	1399	0.493	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	3324	0.516	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	822	0.545	ppb		83
62) 1,2,3-Trichloropropane	8.69	75	681	0.564	ppb		85
63) 2-Chlorotoluene	8.84	91	2402	0.484	ppb		83
64) 4-Chlorotoluene	8.94	91	2640	0.497	ppb		87
65) tert-Butylbenzene	9.24	119	3394	0.499	ppb		92
66) 1,2,4-Trimethylbenzene	9.29	105	3297	0.500	ppb		97
67) sec-Butylbenzene	9.46	105	4152	0.496	ppb		91
68) p-Isopropyltoluene	9.60	119	3951	0.479	ppb		95
69) 1,3-Dichlorobenzene	9.55	146	2587	0.509	ppb		91
70) 1,4-Dichlorobenzene	9.64	146	2393	0.490	ppb		90
71) 1,2-Dichlorobenzene	10.00	146	2462	0.512	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	149	0.533	ppb	#	16
73) 1,2,4-Trichlorobenzene	11.59	180	1496	0.469	ppb		87
74) Hexachlorobutadiene	11.77	225	1004	0.506	ppb		96
75) Naphthalene	11.83	128	2614	0.460	ppb		90
76) 1,2,3-Trichlorobenzene	12.07	180	1274	0.501	ppb		93

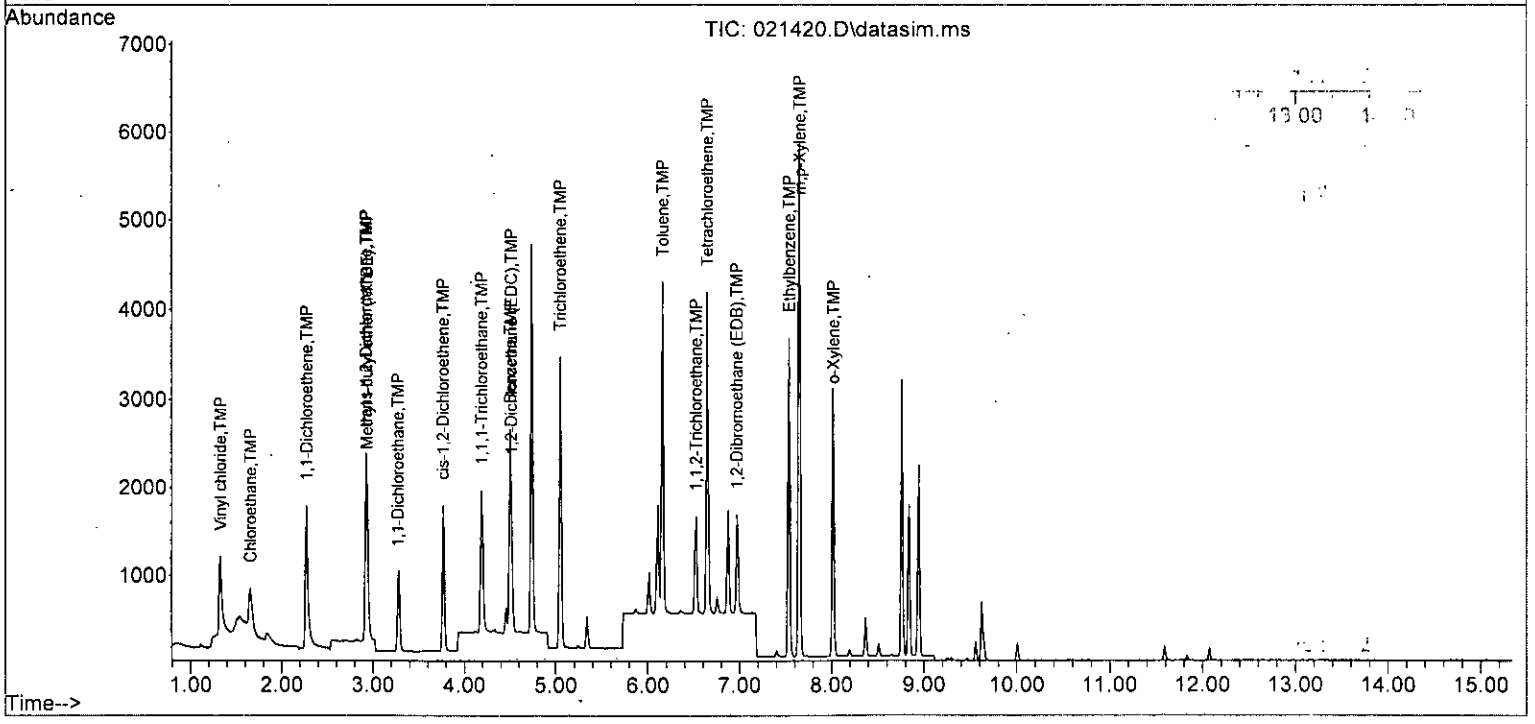
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

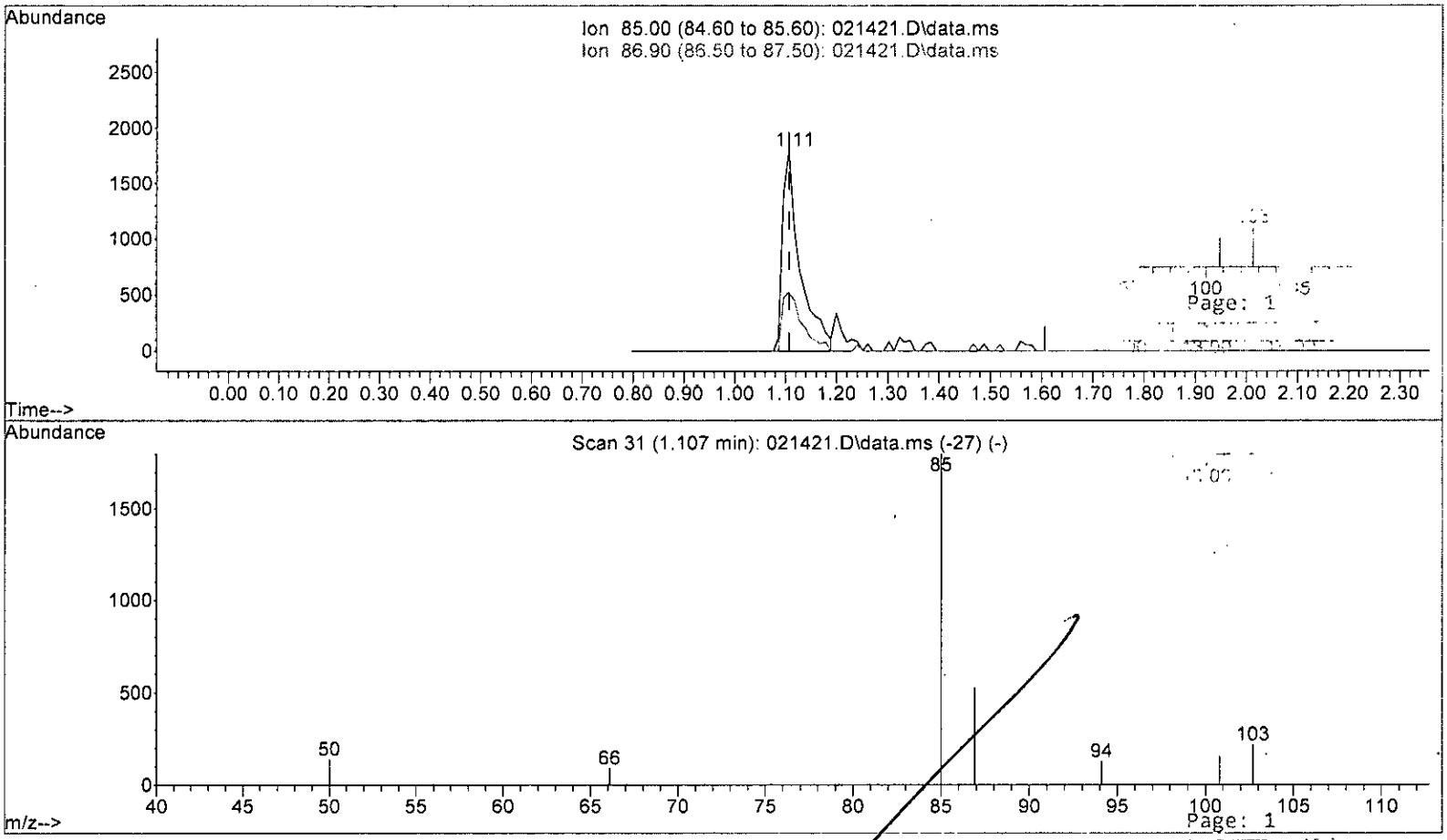
Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.846 ppb

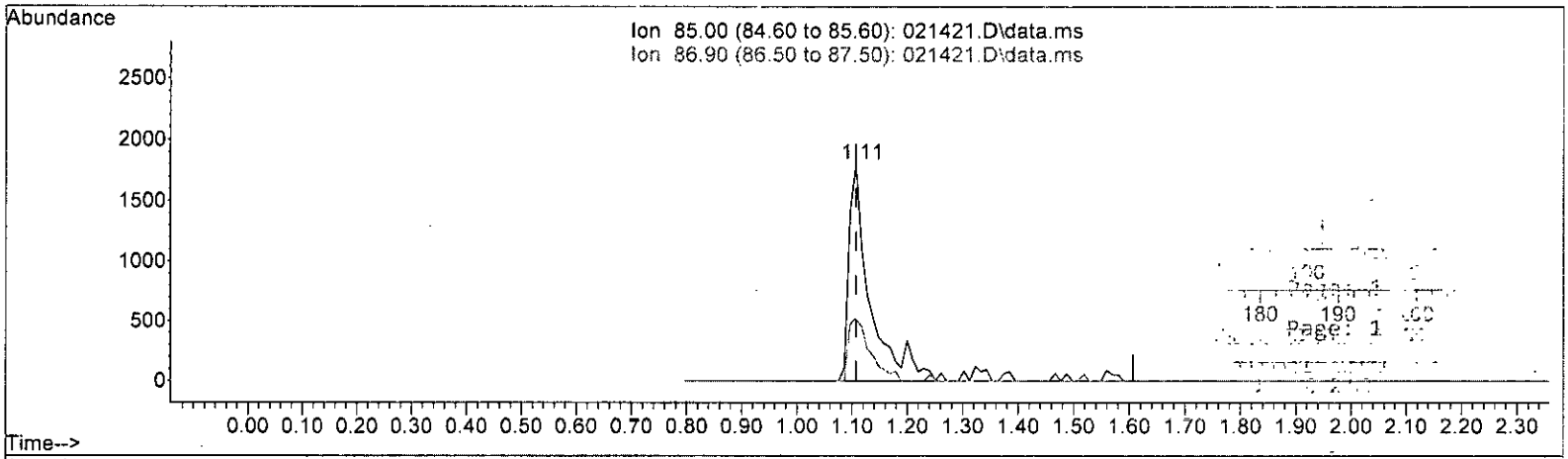
response 4261

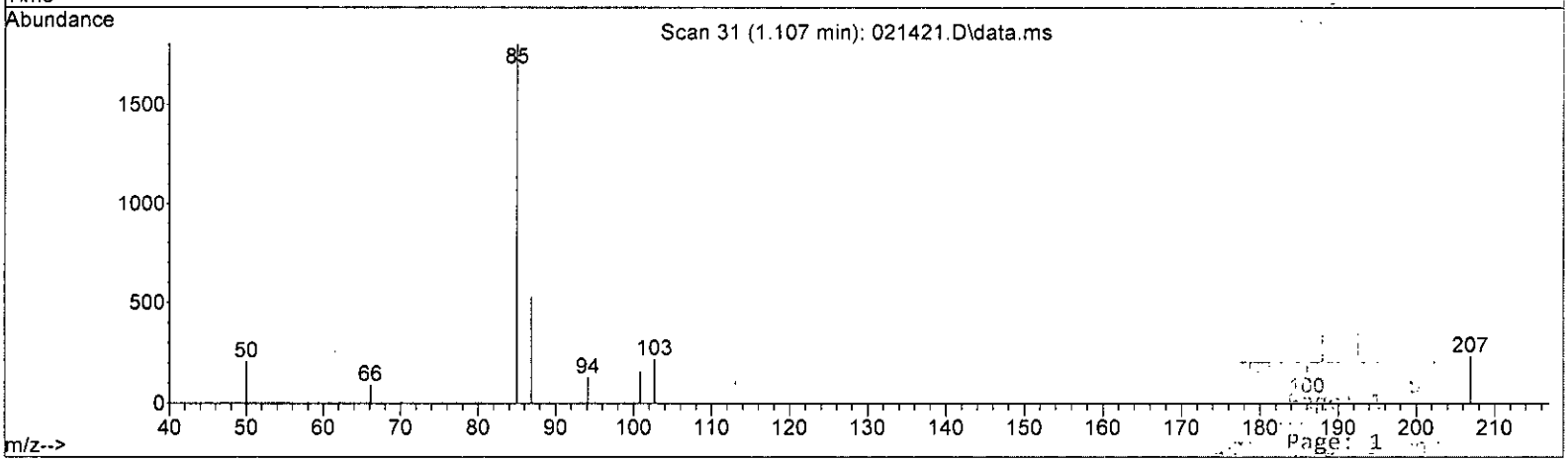
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.949 ppb m

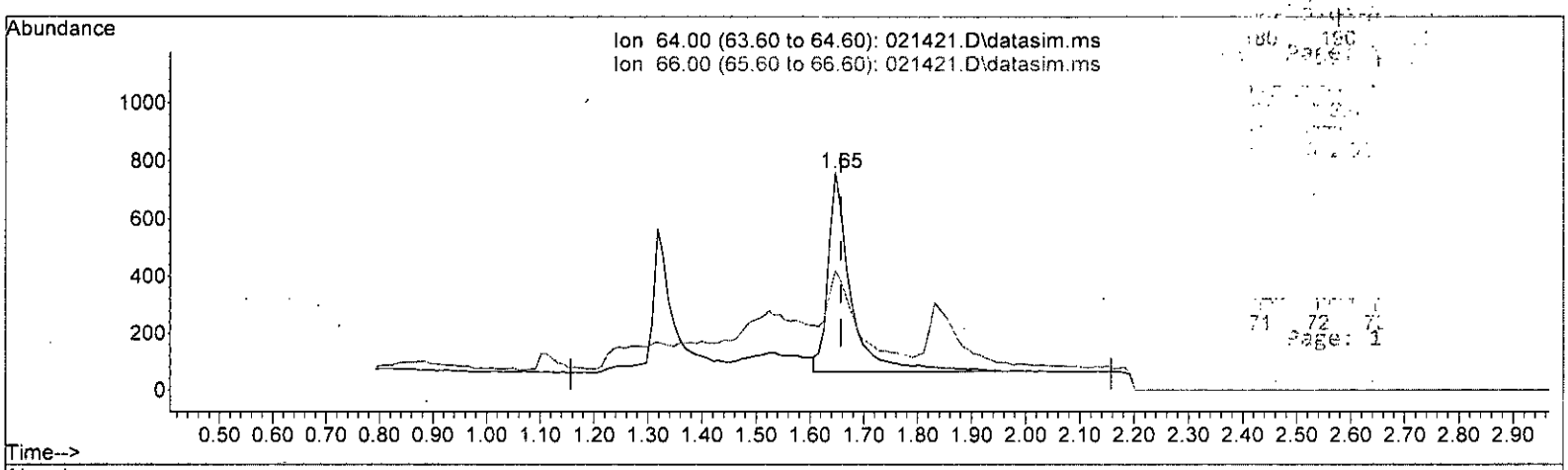
response 4781

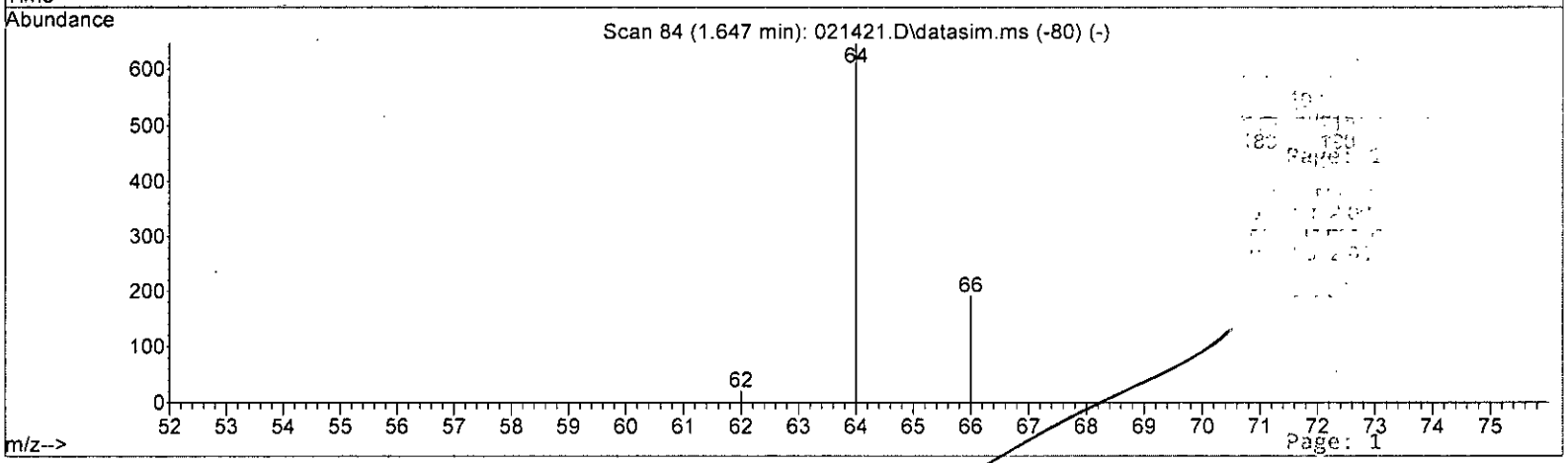
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

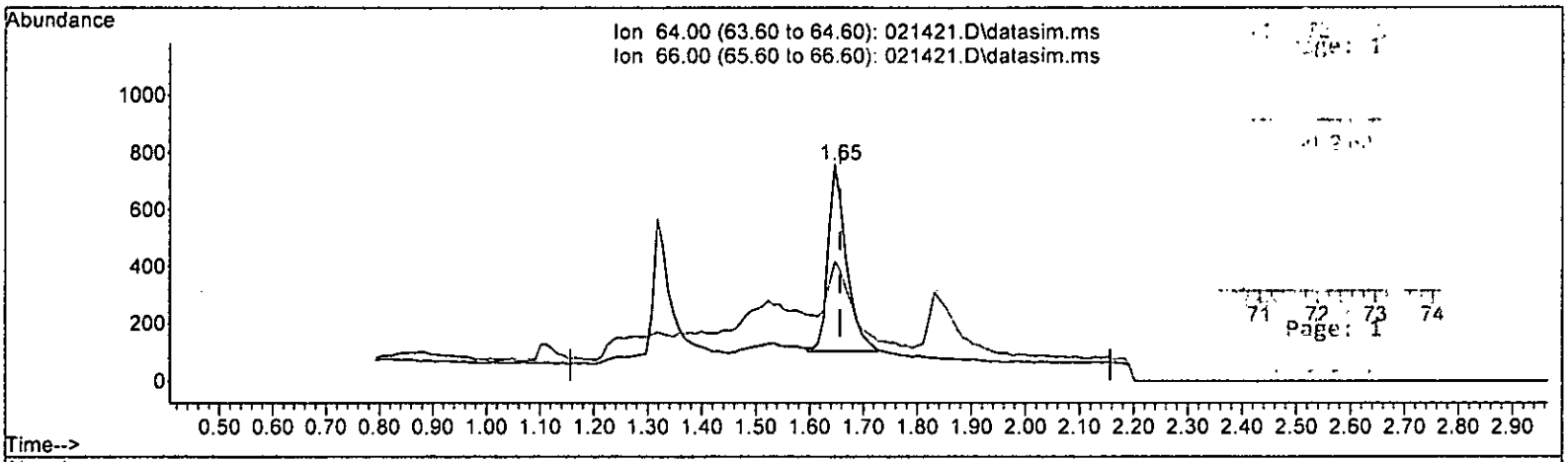
(8) Chloroethane (TMP)
1.647min (-0.010) 1.197 ppb
response 2033

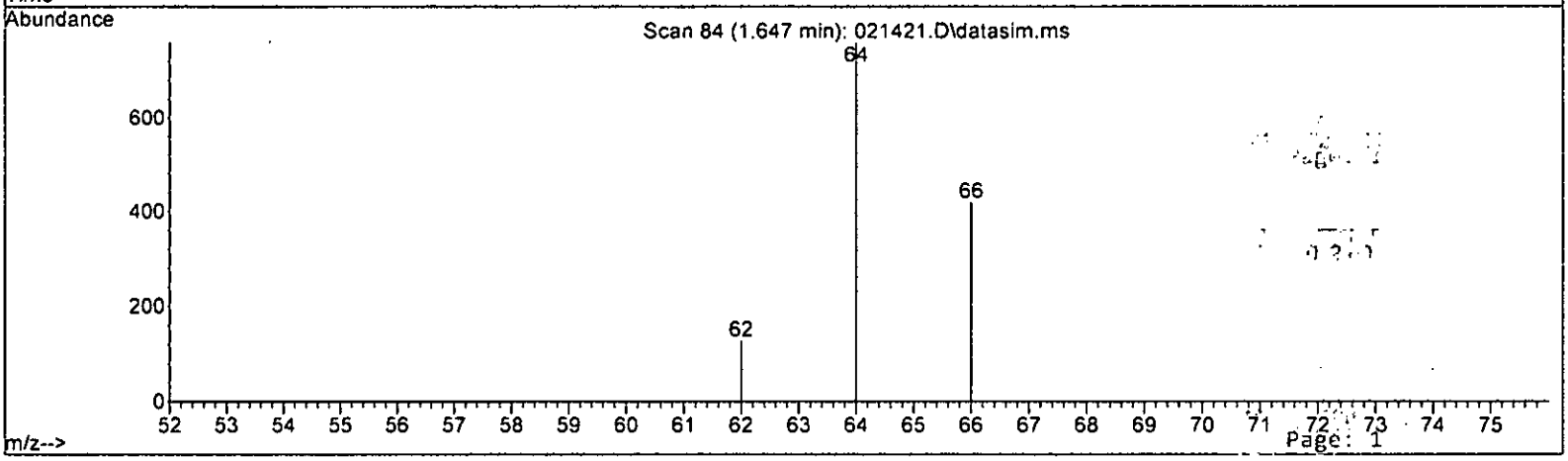
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	46.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.010) 0.938 ppb m

response 1544

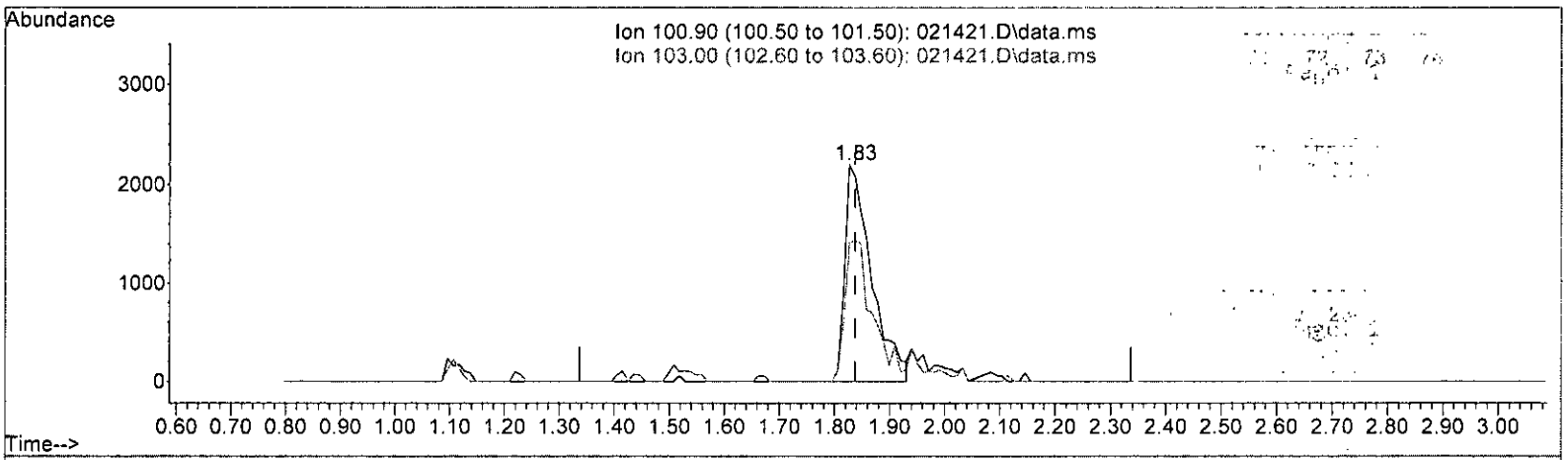
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.07
0.00	0.00	0.00
0.00	0.00	0.00

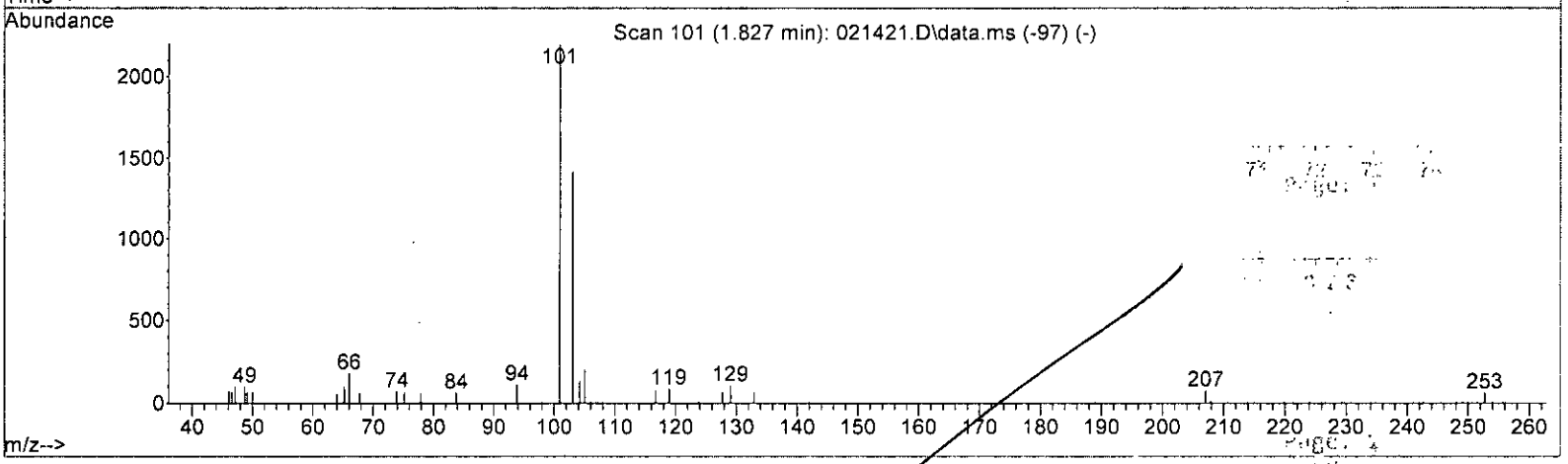
2/15

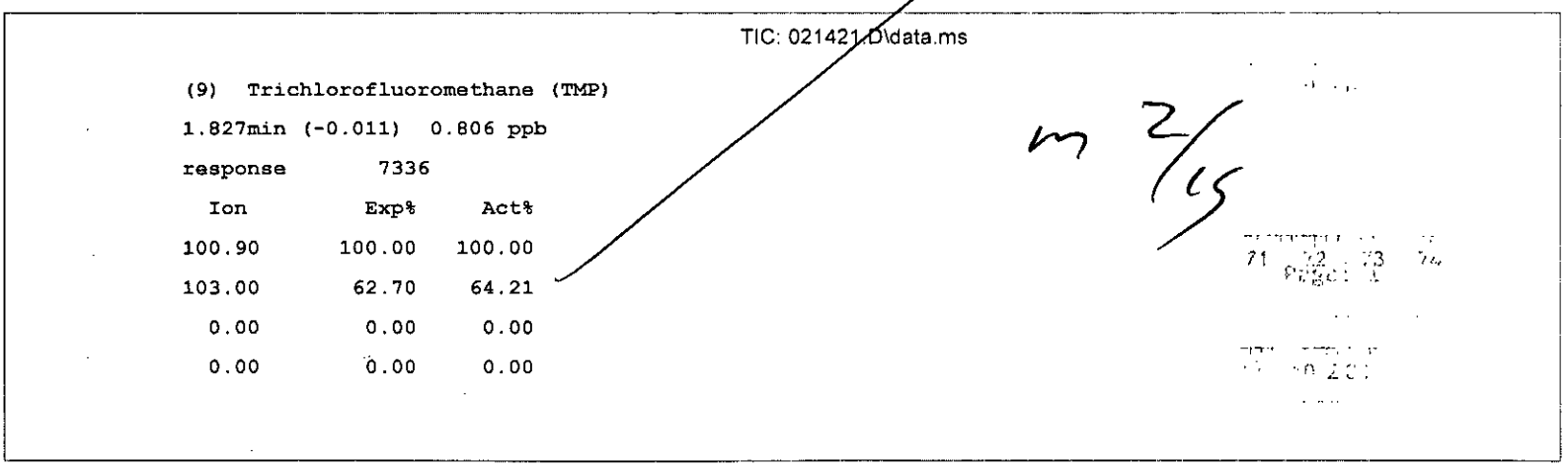
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(9) Trichlorofluoromethane (TMP)
1.827min (-0.011) 0.806 ppb
response 7336

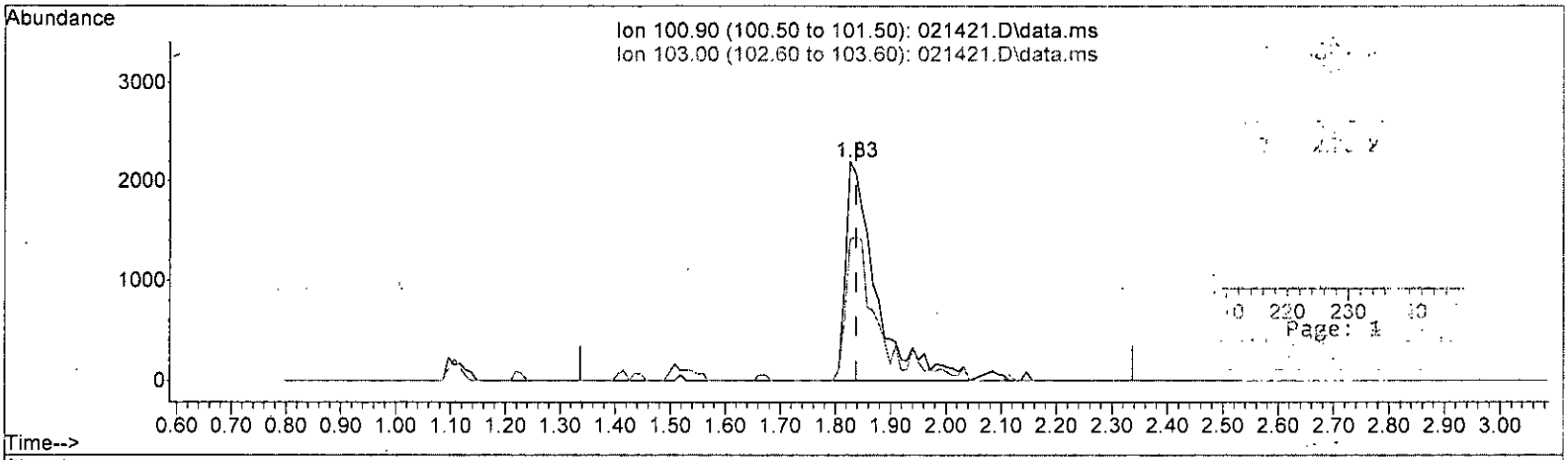
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

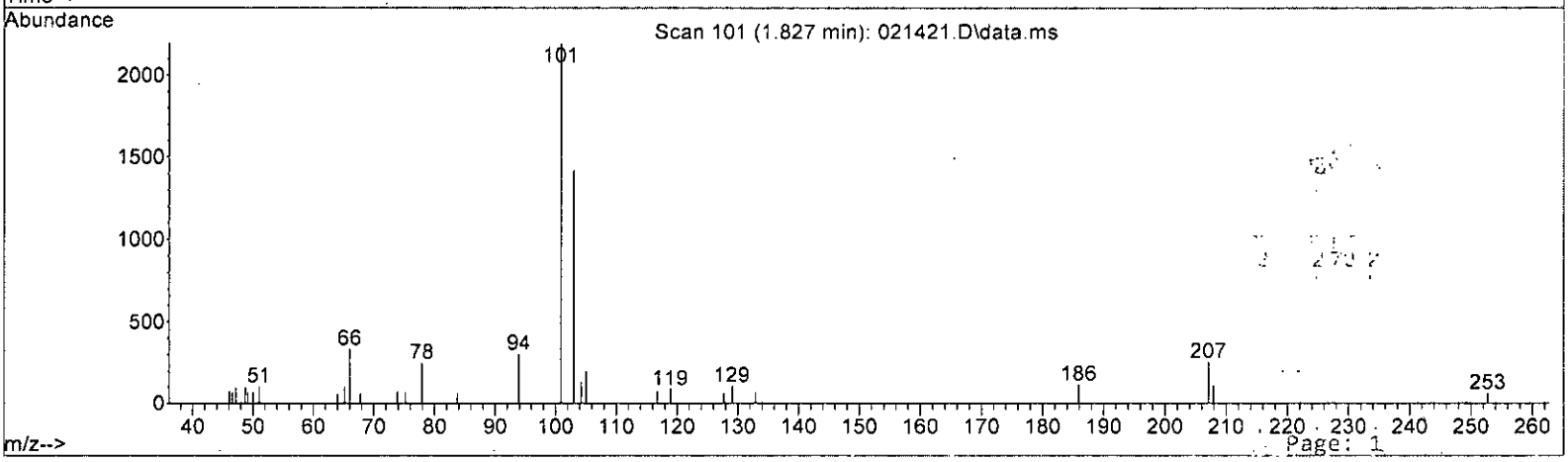
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.011) 0.998 ppb m

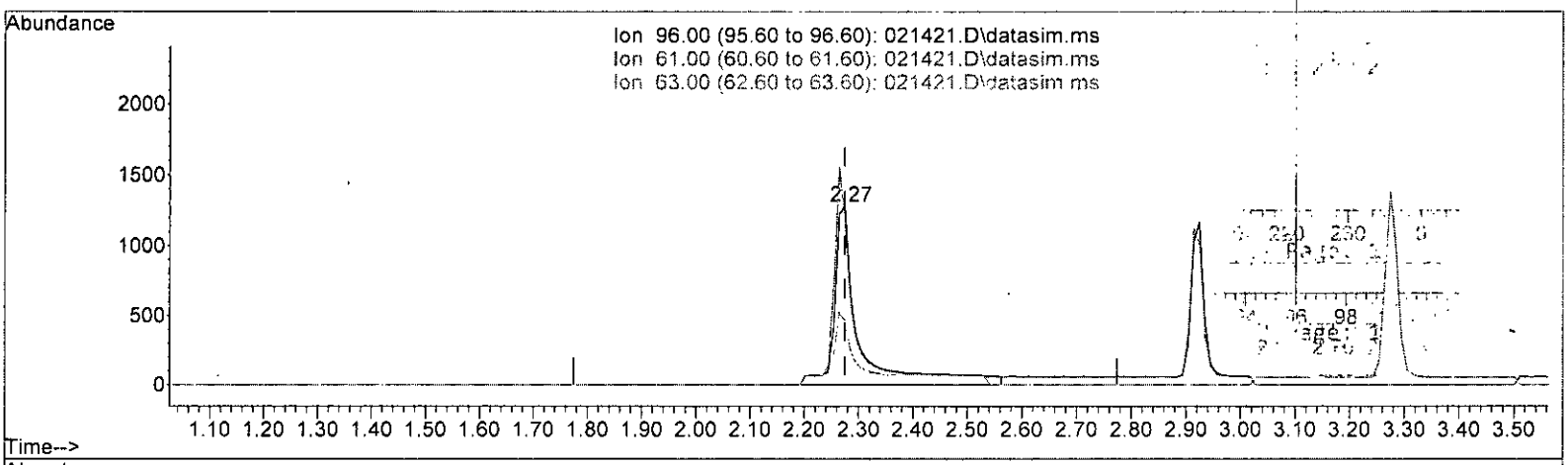
response 9088

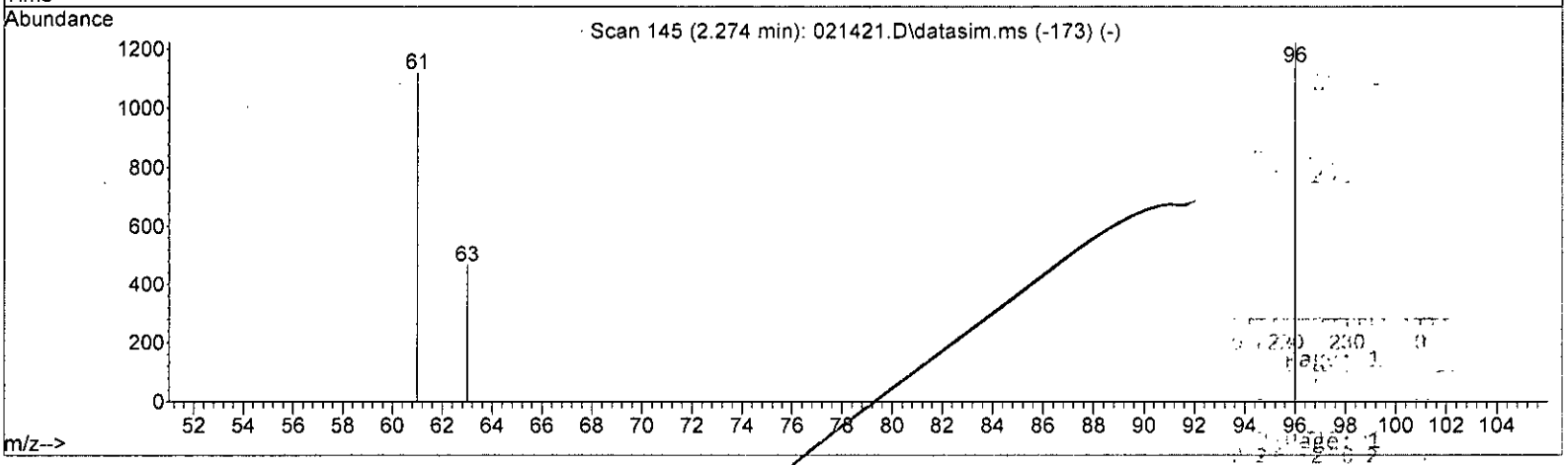
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 1.356 ppb

response 4120

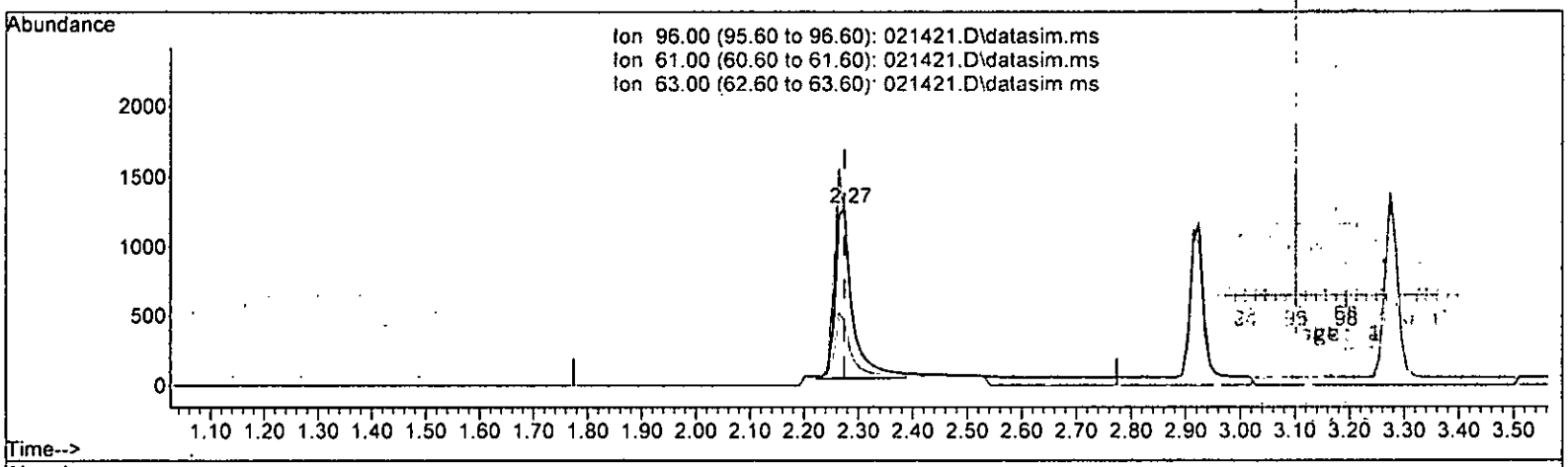
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

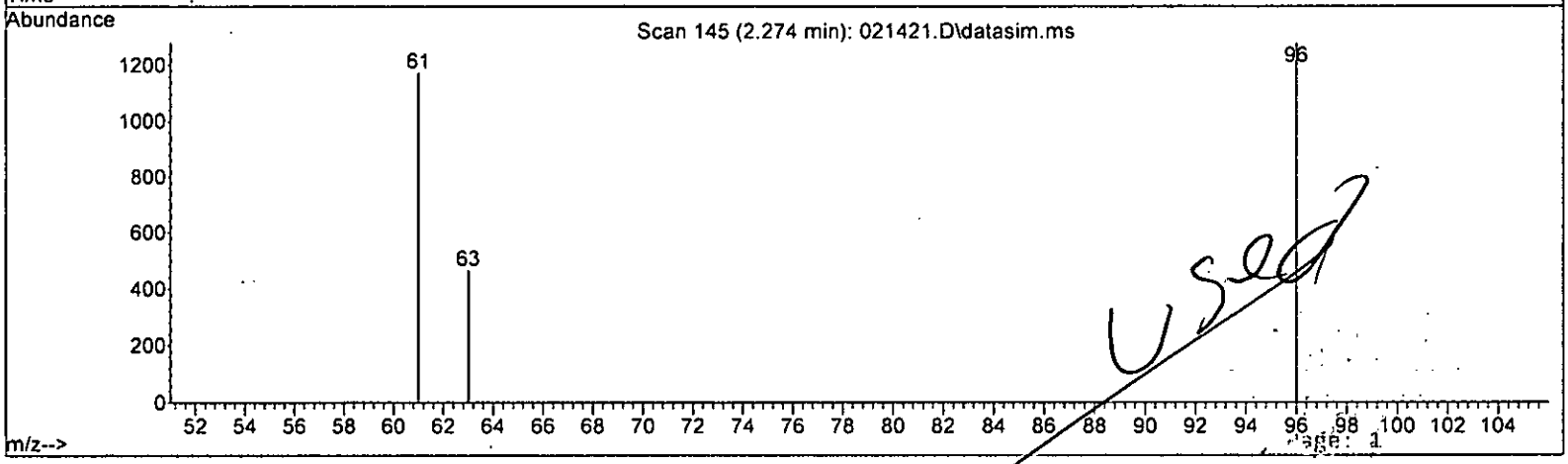
m 2/15

Quantitation Report (Qedit)

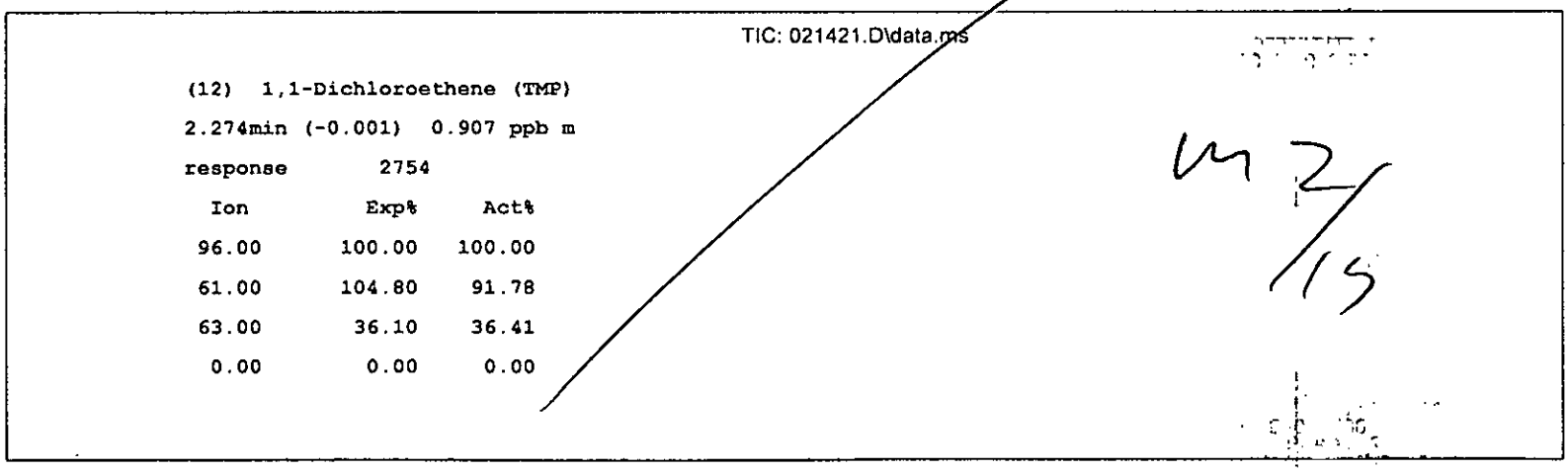
Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Used



(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.907 ppb m
response 2754

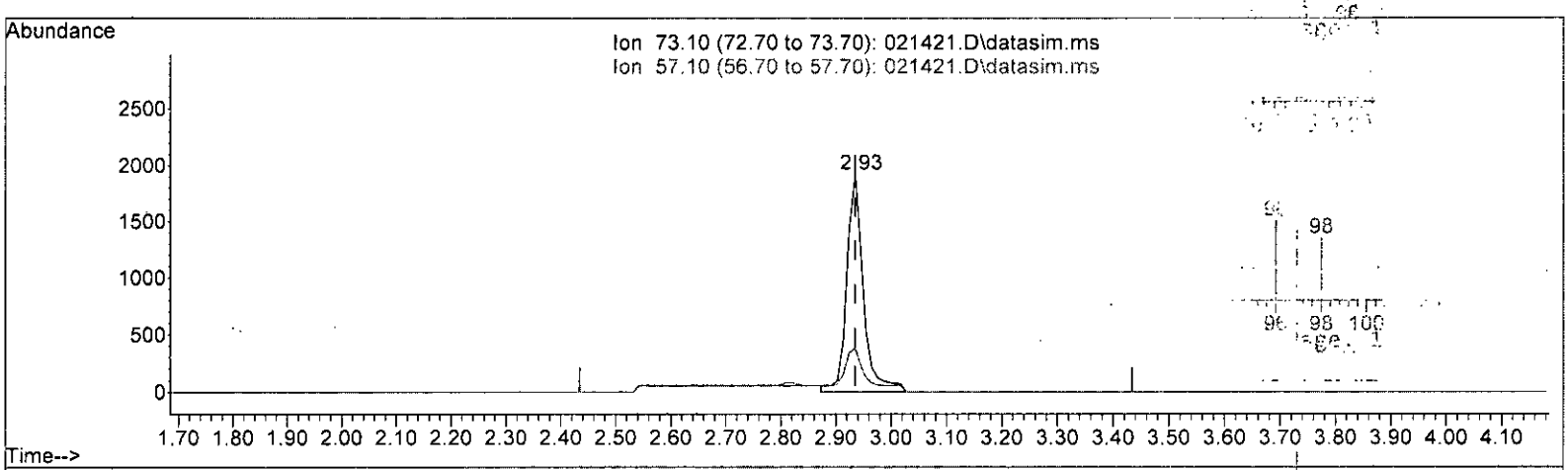
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

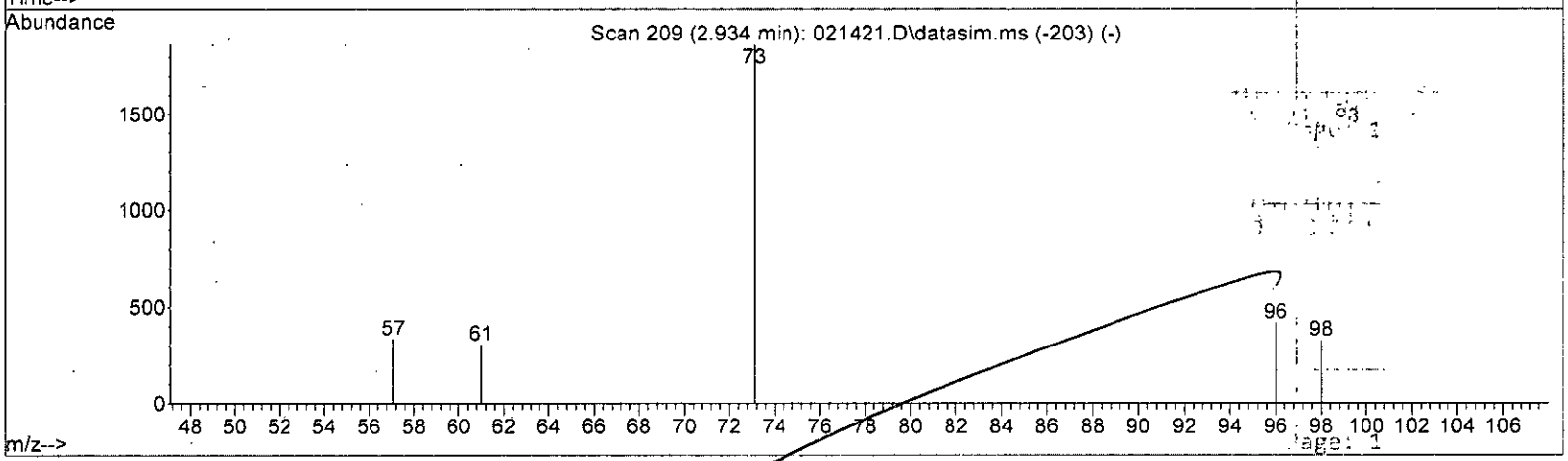
MZ
15

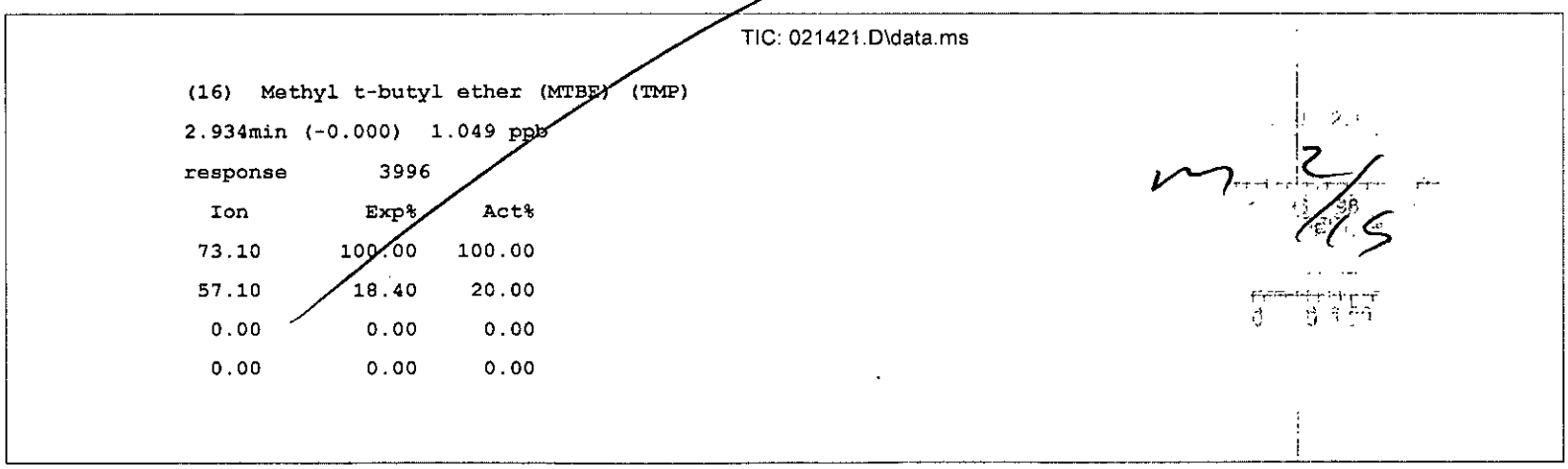
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







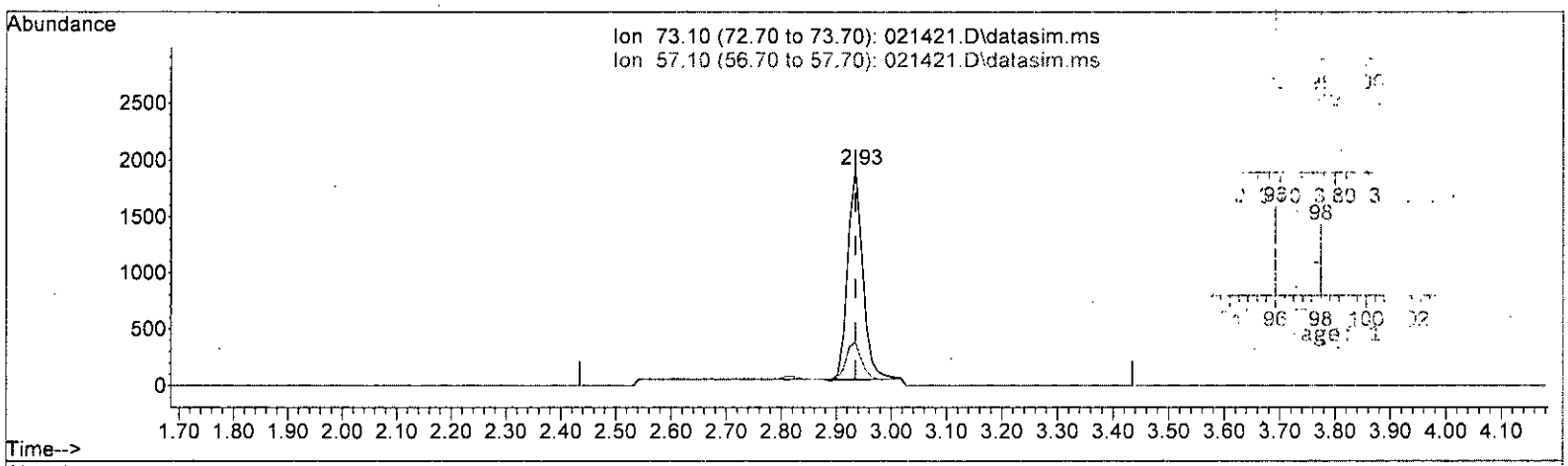
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.049 ppb
response 3996

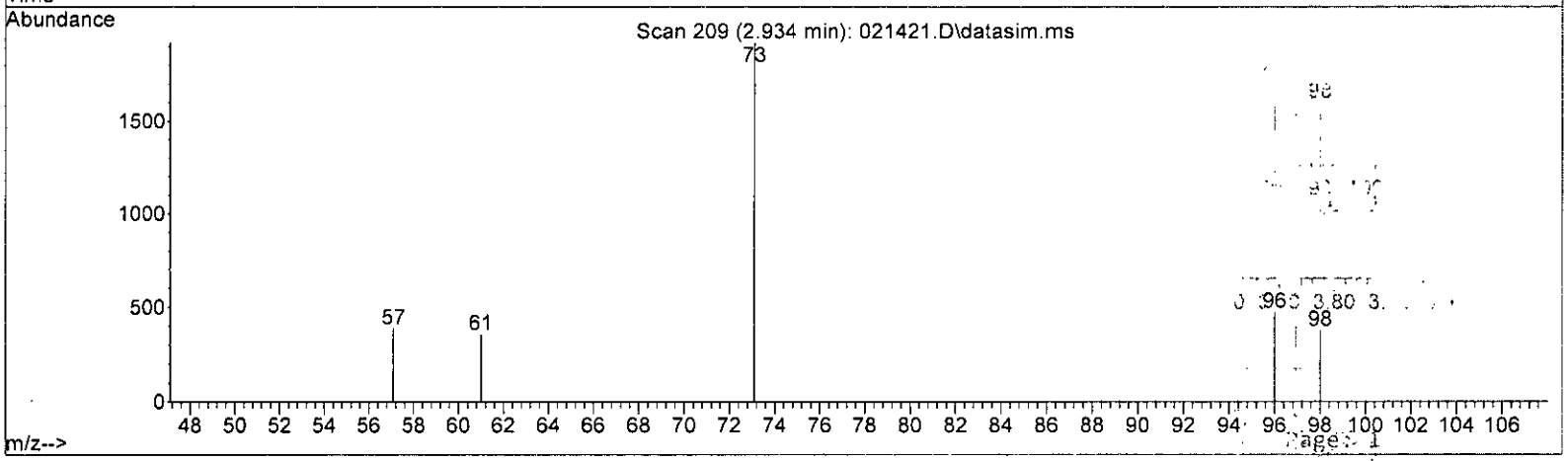
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.000) 0.925 ppb m

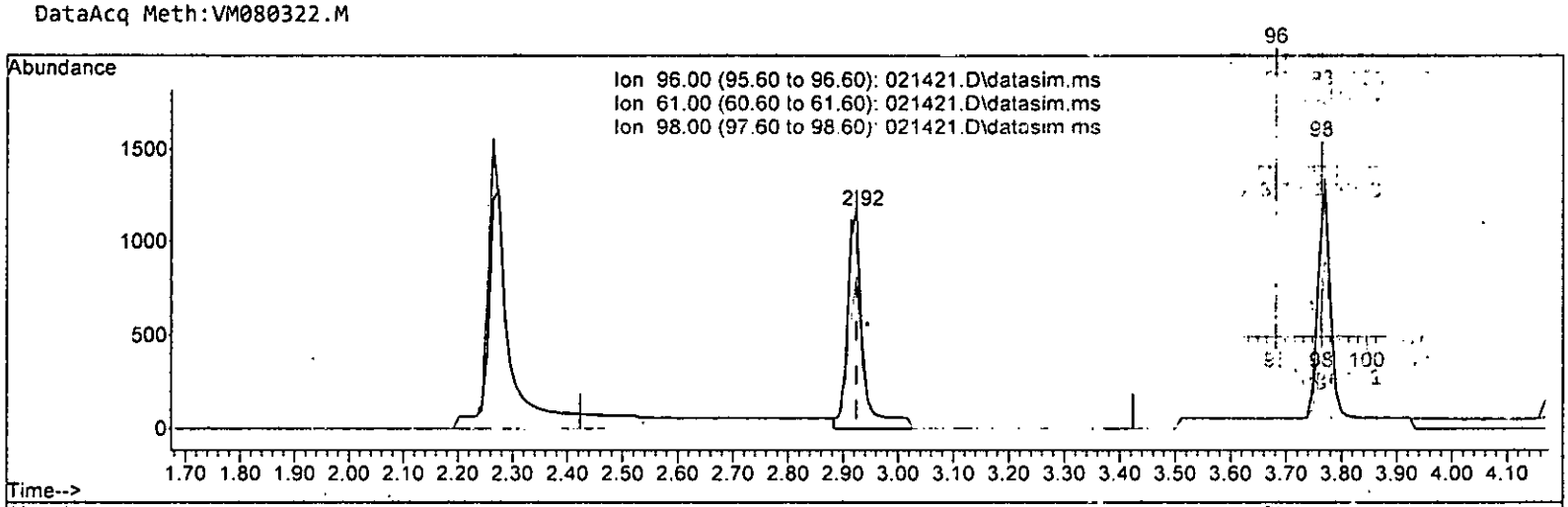
response 3526

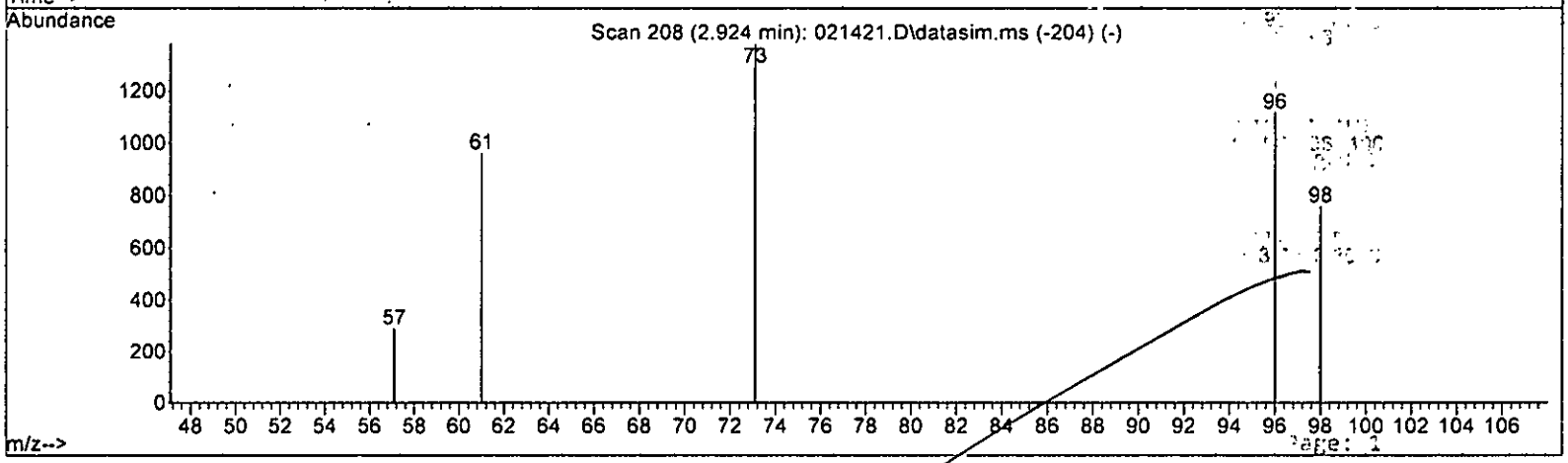
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 1.144 ppb

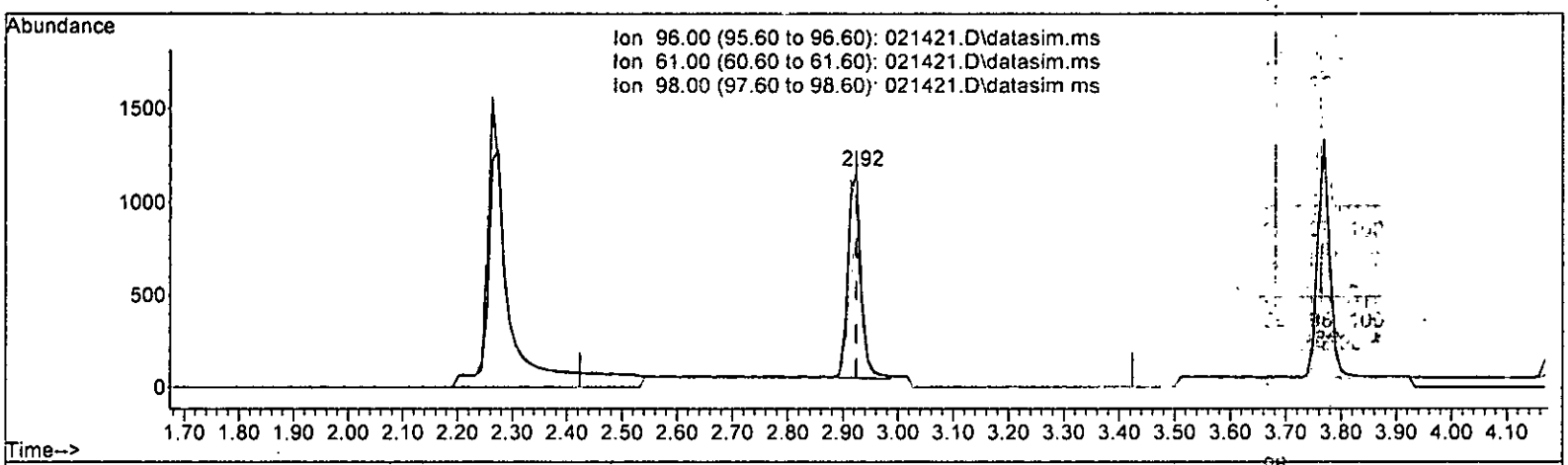
response 2245

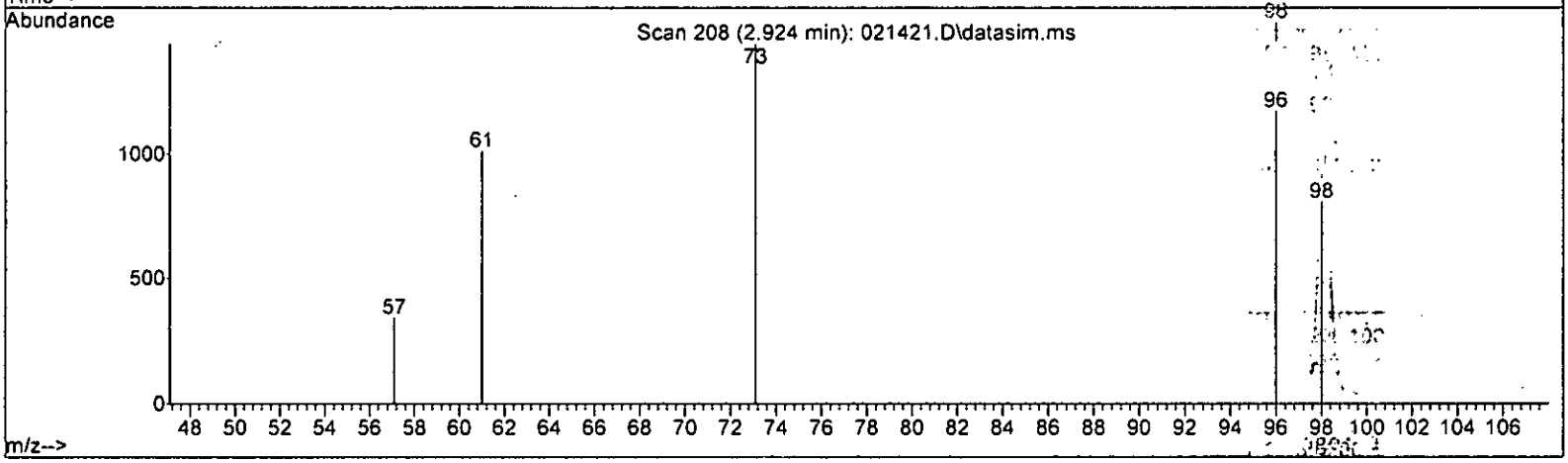
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

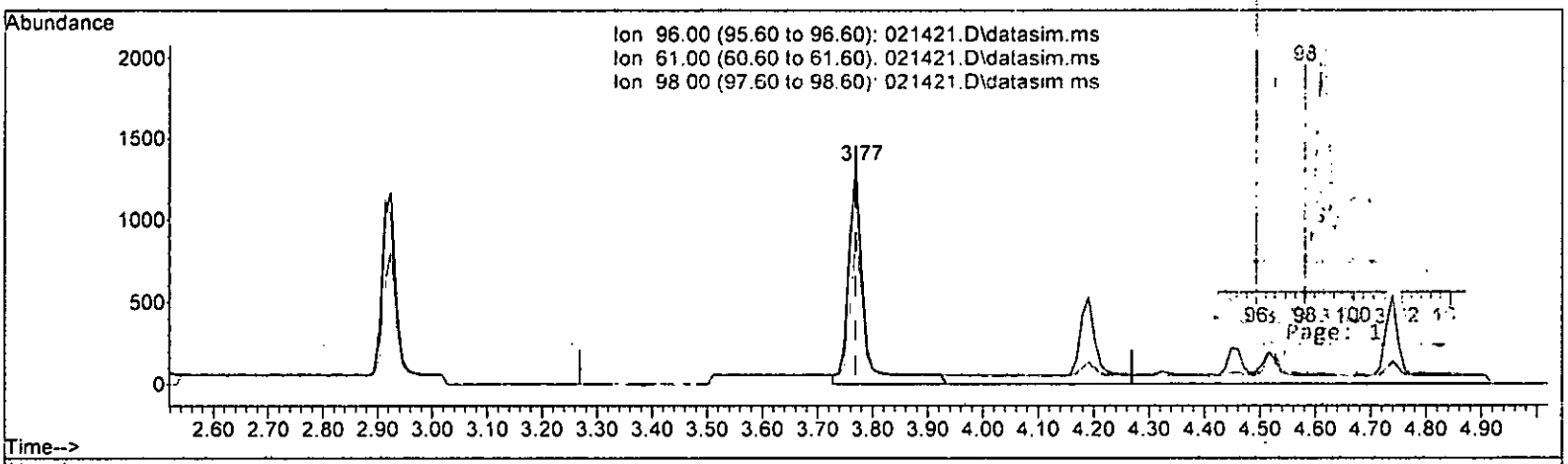
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.934 ppb m
response 1833

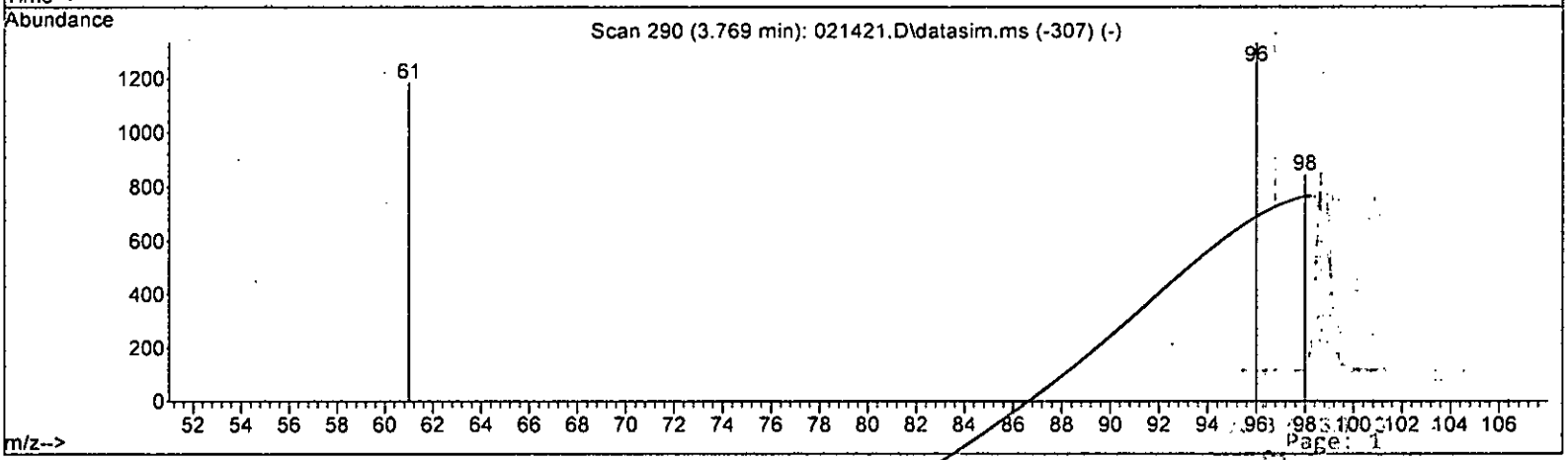
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.769min (-0.000) 1.245 ppb

response 2593

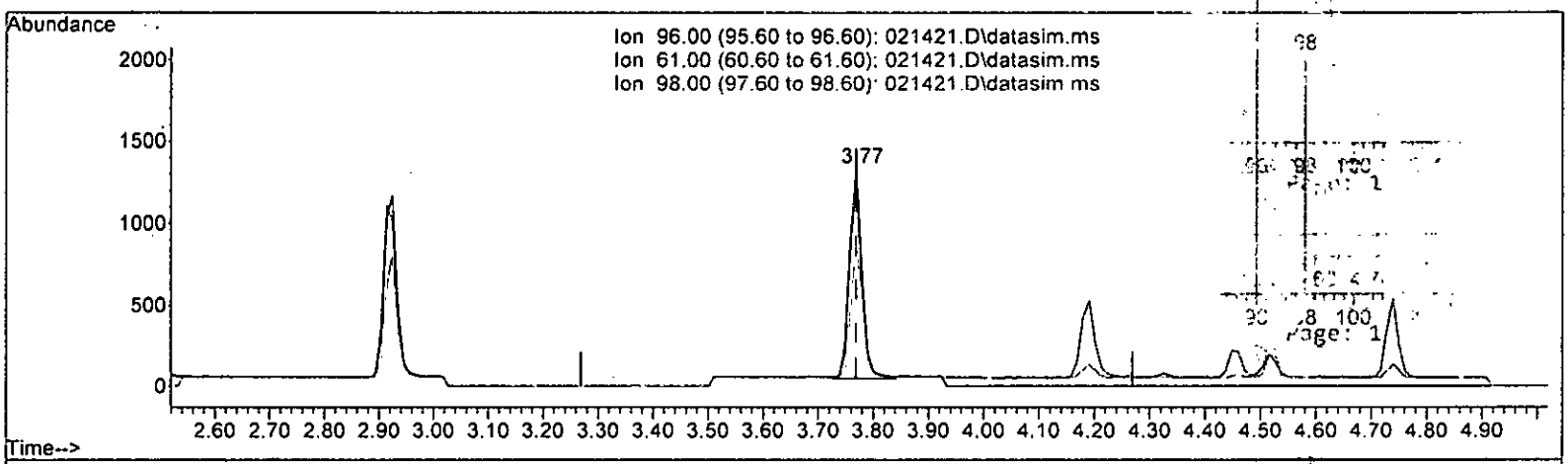
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	88.70
98.00	63.00	63.25
0.00	0.00	0.00

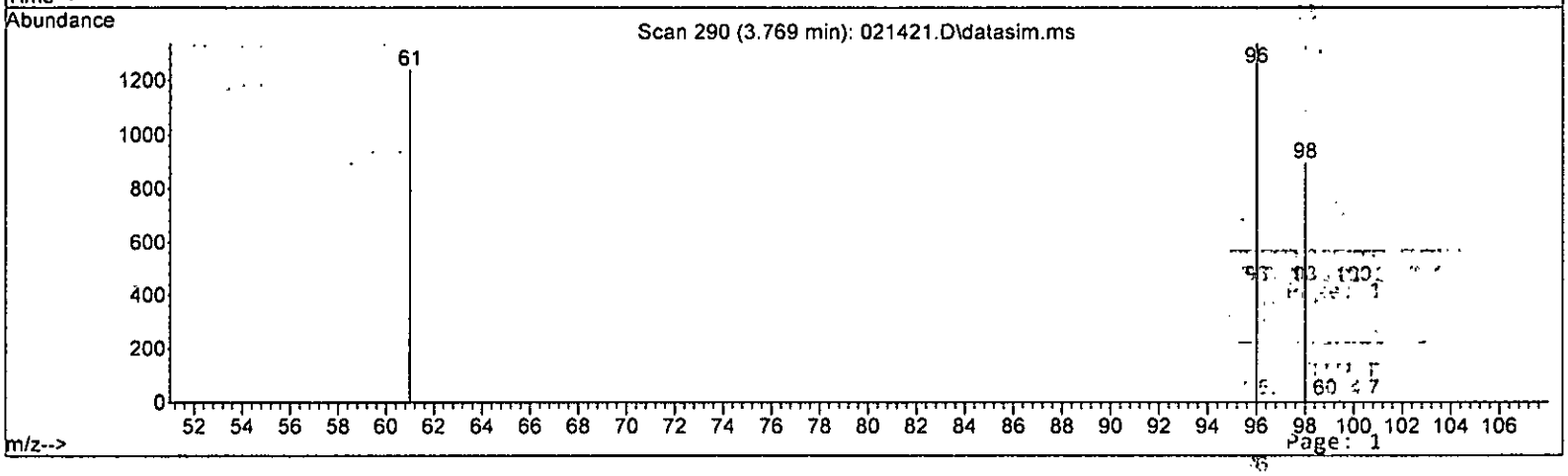
VB021423ms13.M Wed Feb 15 10:59:56 2023 Page: 1

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)
3.769min (-0.000) 0.951 ppb m
response 1981

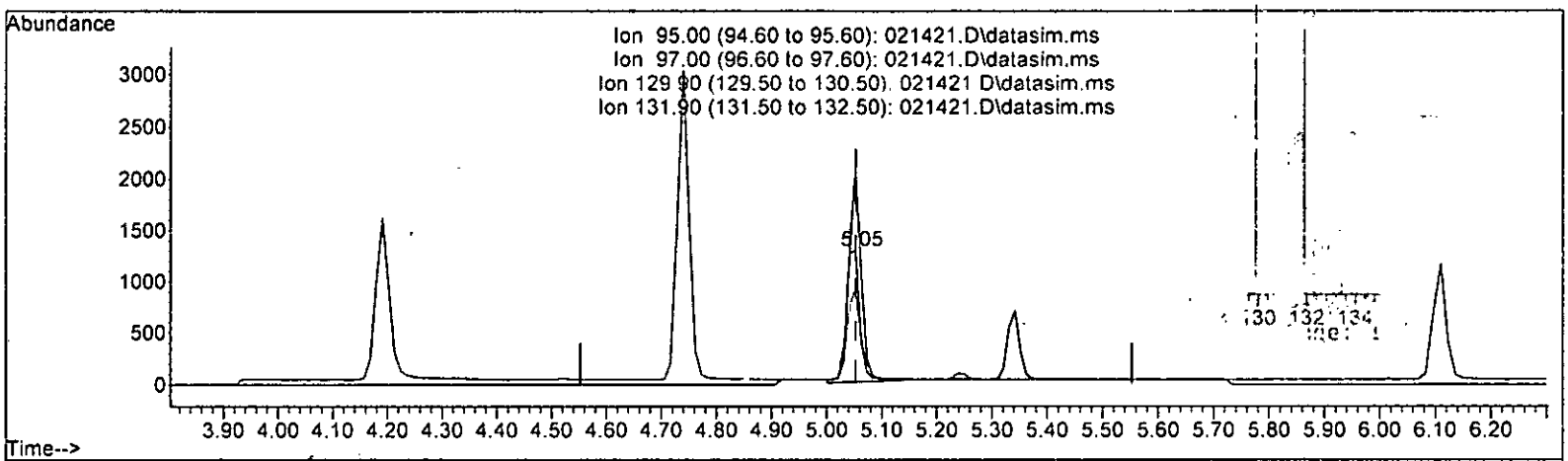
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	92.66
98.00	63.00	67.07
0.00	0.00	0.00

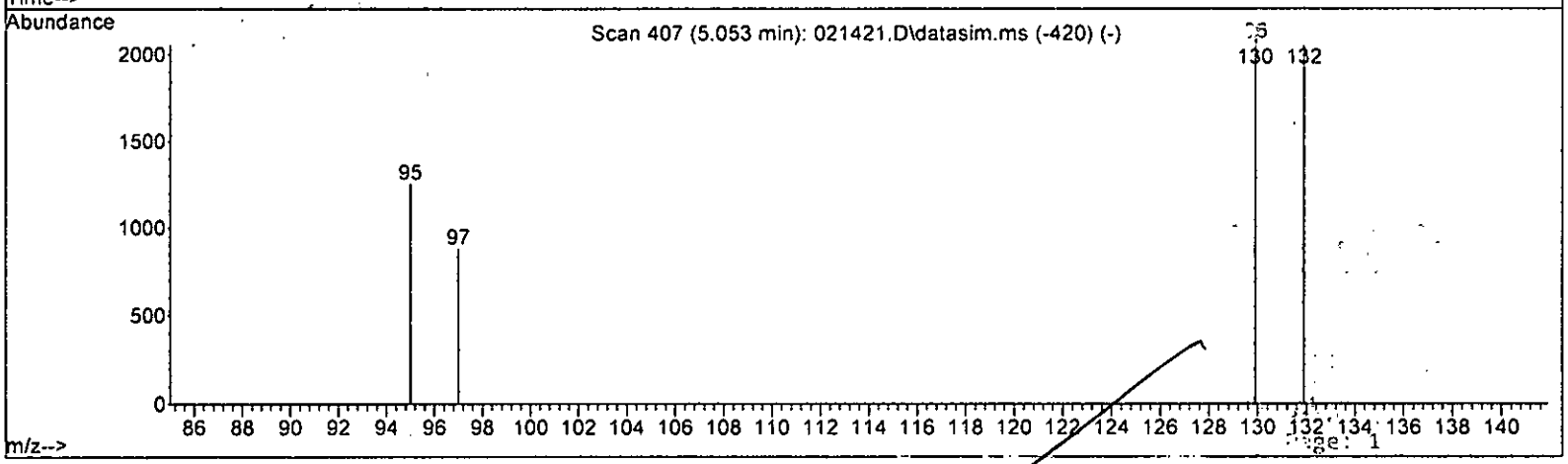
m 2 4/15

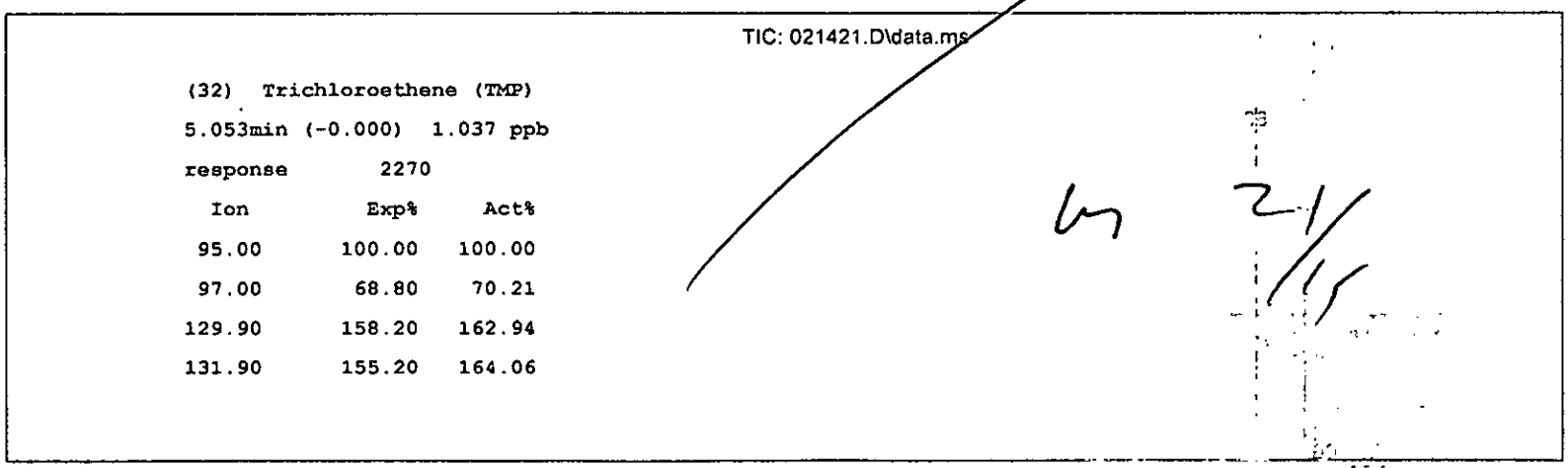
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







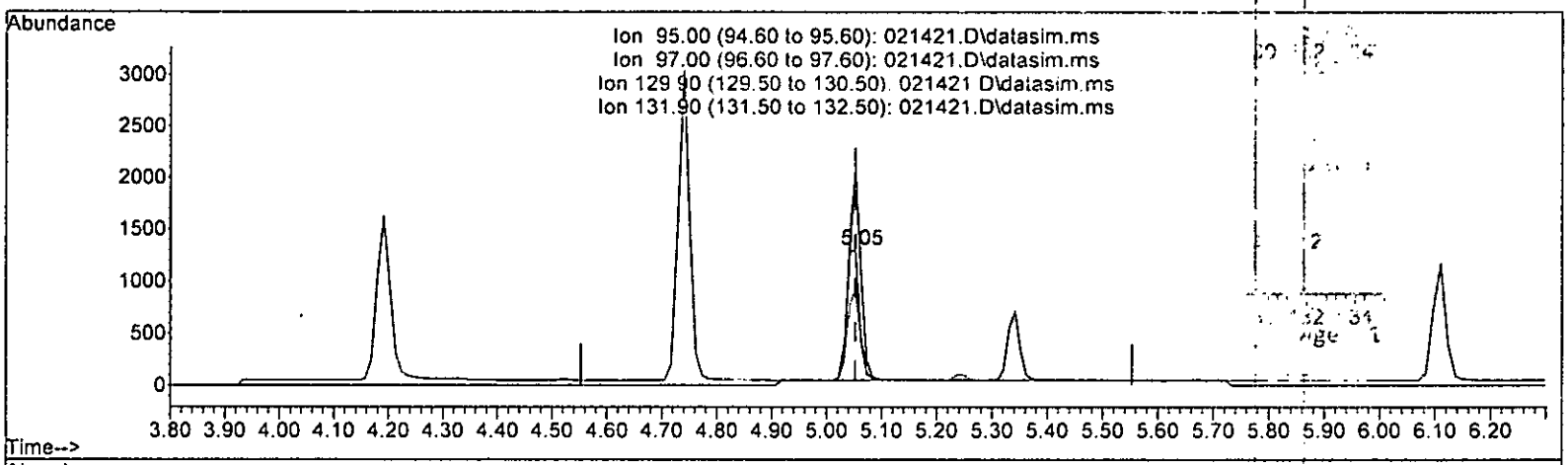
(32) Trichloroethene (TMP)
5.053min (-0.000) 1.037 ppb
response 2270

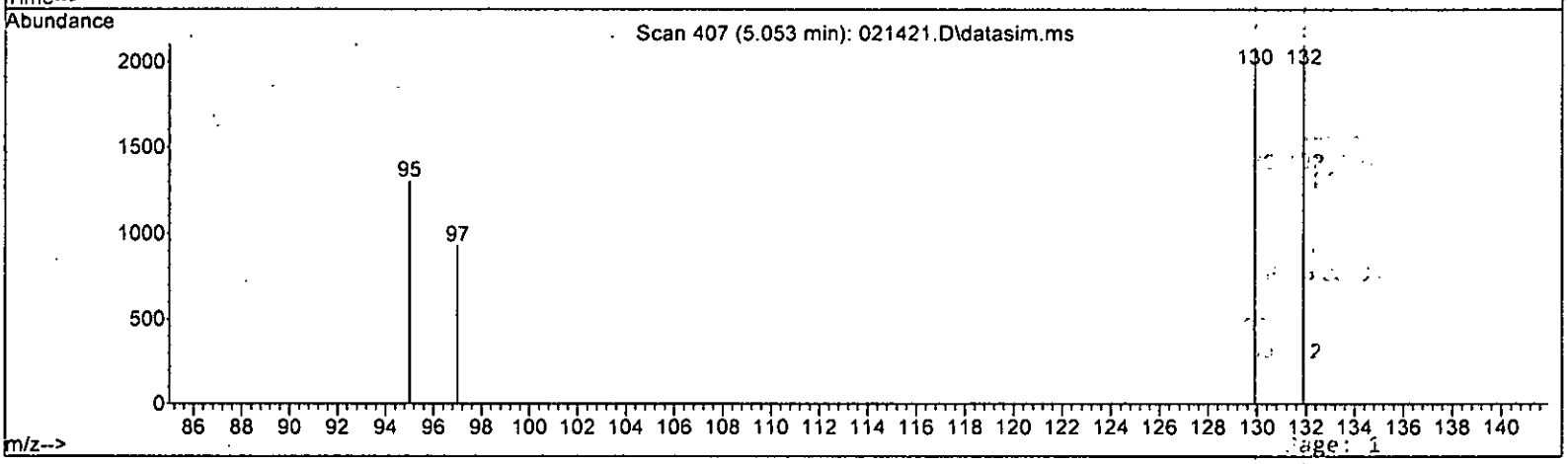
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.21
129.90	158.20	162.94
131.90	155.20	164.06

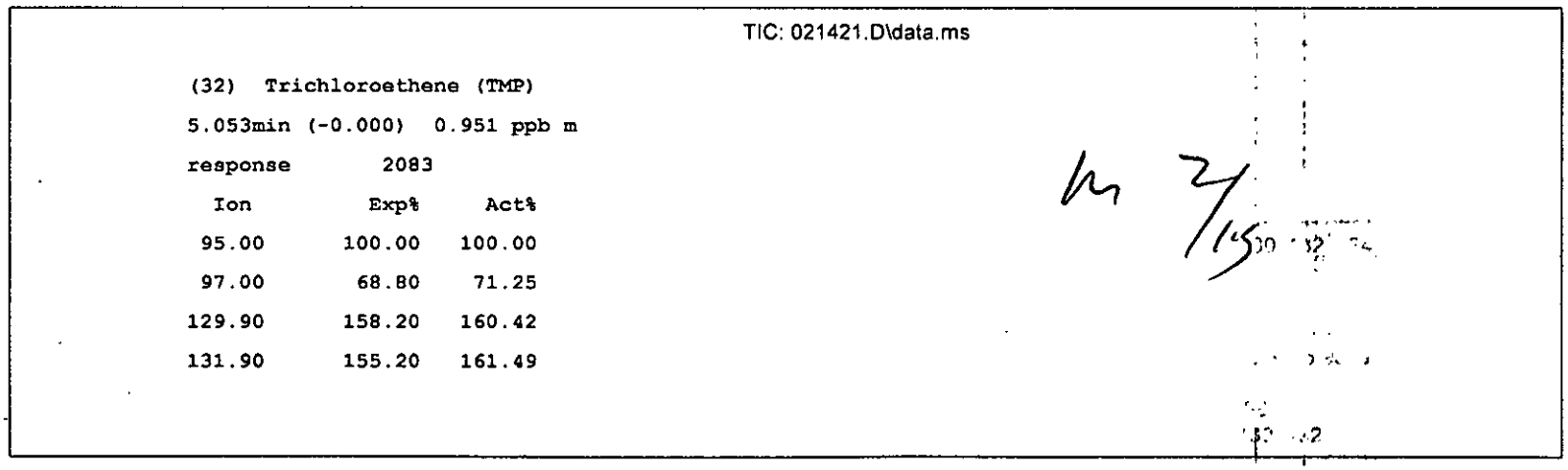
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(32) Trichloroethene (TMP)
5.053min (-0.000) 0.951 ppb m
response 2083

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	71.25
129.90	158.20	160.42
131.90	155.20	161.49

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.562	4.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.949	5.1	112	0.00
5	TMP	Chloromethane	1.000	0.980	2.0	100	0.00
6	TMP	Vinyl chloride	1.000	0.936	6.4	110	-0.01
7	TMP	Bromomethane	1.000	0.000	100.0#	0	-1.57#
8	TMP	Chloroethane	1.000	0.938	6.2	106	-0.01
9	TMP	Trichlorofluoromethane	1.000	0.998	0.2	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	5.000	4.783	4.3	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.907	9.3	101	0.00
13	TMP	Hexane	1.000	0.918	8.2	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	5.000	4.661	6.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.000	0.925	7.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	0.934	6.6	102	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.885	11.5	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.948	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.986	1.4	100	-0.01
21	TMP	2,2-Dichloropropane	1.000	0.978	2.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.951	4.9	102	0.00
23	TMP	Chloroform	1.000	0.996	0.4	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.395	12.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.003	-0.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.997	0.3	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.947	5.3	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.946	5.4	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.898	10.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.701	3.0	100	0.00
31	TMP	Benzene	1.000	0.966	3.4	100	0.00
32	TMP	Trichloroethene	1.000	0.951	4.9	99	0.00
33	TMP	1,2-Dichloropropane	1.000	1.010	-1.0	100	0.00
34	TMP	Bromodichloromethane	1.000	0.894	10.6	100	0.00
35	S	Toluene-d8	10.000	9.183	8.2	100	0.00
36	TMP	Dibromomethane	1.000	0.936	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	4.600	8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.972	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.017	-1.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	0.895	10.5	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.015	-1.5	100	-0.01
43	TMP	2-Hexanone	5.000	4.915	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	1.014	-1.4	100	0.00
45	TMP	Tetrachloroethene	1.000	1.042	-4.2	100	0.00
46	TMP	Dibromochloromethane	1.000	0.951	4.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.981	1.9	100	0.00
48	TMP	Chlorobenzene	1.000	1.021	-2.1	100	0.00
49	TMP	Ethylbenzene	1.000	1.018	-1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.999	0.1	100	0.00
51	TMP	m,p-Xylene	2.000	2.064	-3.2	100	0.00
52	TMP	o-Xylene	1.000	1.023	-2.3	100	0.00
53	TMP	Styrene	1.000	1.015	-1.5	100	0.00
54	TMP	Isopropylbenzene	1.000	0.991	0.9	100	0.00
55	TMP	Bromoform	1.000	0.941	5.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.128	-1.3	100	0.00
58	TMP	n-Propylbenzene	1.000	1.014	-1.4	100	0.00
59	TMP	Bromobenzene	1.000	1.041	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.051	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	1.045	-4.5	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.166	-16.6	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.097	-9.7	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.981	1.9	100	0.00
65	TMP	tert-Butylbenzene	1.000	1.030	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.983	1.7	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.015	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.971	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.035	-3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	0.899	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.933	6.7	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.960	4.0	100	0.00
75	TMP	Naphthalene	1.000	0.957	4.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.990	1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.299	4.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.693	5.1	112	0.00
5	TMP	Chloromethane	0.500	0.490	2.0	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	110	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.224	9.3	106	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.317	0.2	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.026	-4.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.399	9.3	101	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.511	7.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.266	6.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.426#	11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.310	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.225	4.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.287	5.0	102	0.00
23	TMP	Chloroform	0.430	0.428	0.5	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.078	12.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.518	-0.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.287	4.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.414	5.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.277	5.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.396	14.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	0.876	0.822	6.2	100	0.00
32	TMP	Trichloroethene	0.338	0.302	10.7	99	0.00
33	TMP	1,2-Dichloropropane	0.173	0.175	-1.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.277	7.7	100	0.00
35	S	Toluene-d8	0.931	0.855	8.2	100	0.00
36	TMP	Dibromomethane	0.171	0.161	5.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.287	7.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.727	4.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.283	10.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.206	-1.5	100	-0.01
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.344	-1.2	100	0.00
45	TMP	Tetrachloroethene	0.452	0.451	0.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.416	4.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.325	1.8	100	0.00
48	TMP	Chlorobenzene	0.967	0.987	-2.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.307	1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.584	1.0	100	0.00
52	TMP	o-Xylene	0.566	0.561	0.9	100	0.00
53	TMP	Styrene	0.855	0.867	-1.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.381	0.9	100	0.00
55	TMP	Bromoform	0.295	0.277	6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.405	-1.4	100	0.00
59	TMP	Bromobenzene	0.857	0.892	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.045	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.491#	-3.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.425#	-16.4	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.543	-10.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.576	1.9	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.115	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.957	1.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.569	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.422	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.614	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.550	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.504	-3.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.576	4.0	100	0.00
75	TMP	Naphthalene	1.920	1.665	13.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.779	9.4	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	69009	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57563	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32787	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20604	9.562	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 95.60%				
30) 1,2-Dichloroethane-d4	4.45	102	4150	9.701	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 97.00%				
35) Toluene-d8	6.11	98	59006	9.183	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 91.80%				
57) 4-Bromofluorobenzene	8.51	95	20474	10.128	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.30%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	4781m	0.949	ppb		
5) Chloromethane	1.25	50	3381	0.980	ppb		83
6] Vinyl chloride	1.32	62	3561	0.936	ppb		95
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1544m	0.938	ppb		
9) Trichlorofluoromethane	1.83	101	9088m	0.998	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	886	4.783	ppb		89
12] 1,1-Dichloroethene	2.27	96	2754m	0.907	ppb		
13) Hexane	3.16	57	1460	0.918	ppb		97
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.81	59	667	4.661	ppb		89
16] Methyl t-butyl ether (...	2.93	73	3526m	0.925	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1833m	0.934	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	2939	0.885	ppb		89
19] 1,1-Dichloroethane	3.27	63	2138	0.948	ppb		97
20) Ethyl t-butyl ether (E...	3.65	87	1712	0.986	ppb		86
21) 2,2-Dichloropropane	3.76	77	1554	0.978	ppb		89
22] cis-1,2-Dichloroethene	3.77	96	1981m	0.951	ppb		
23) Chloroform	4.04	83	2952	0.996	ppb		96
24) 2-Butanone (MEK)	3.79	43	2702	4.395	ppb		55
25) t-Amyl methyl ether (T...	4.61	73	3574	1.003	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	1981	0.997	ppb		98
27] 1,1,1-Trichloroethane	4.19	97	2854	0.947	ppb		97
28) 1,1-Dichloropropene	4.33	75	1914	0.946	ppb		95
29) Carbon tetrachloride	4.33	117	2730	0.898	ppb		97
31] Benzene	4.50	78	5673	0.966	ppb		98
32] Trichloroethene	5.05	95	2083m	0.951	ppb		
33) 1,2-Dichloropropane	5.24	63	1205	1.010	ppb	#	80
34) Bromodichloromethane	5.48	83	1911	0.894	ppb		97
36) Dibromomethane	5.34	93	1108	0.936	ppb		91

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

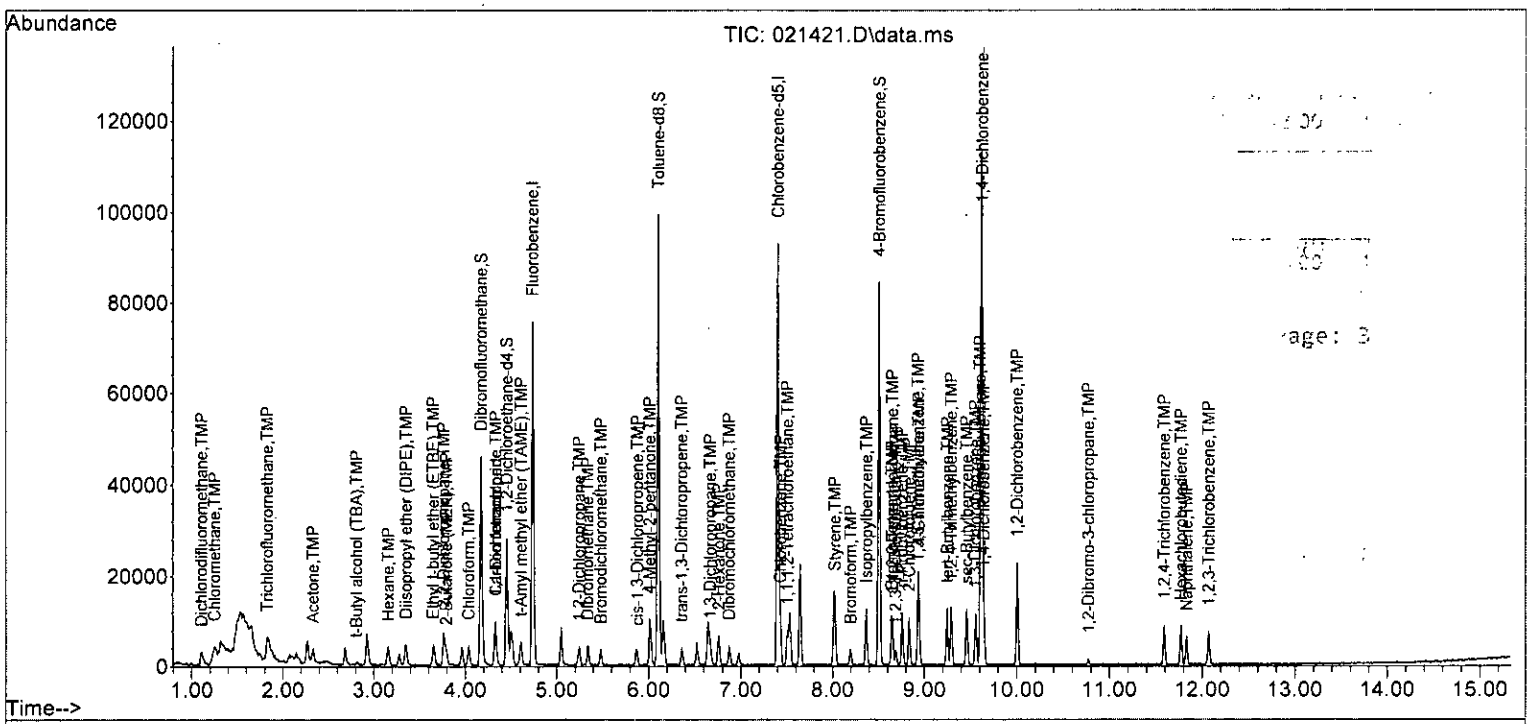
Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

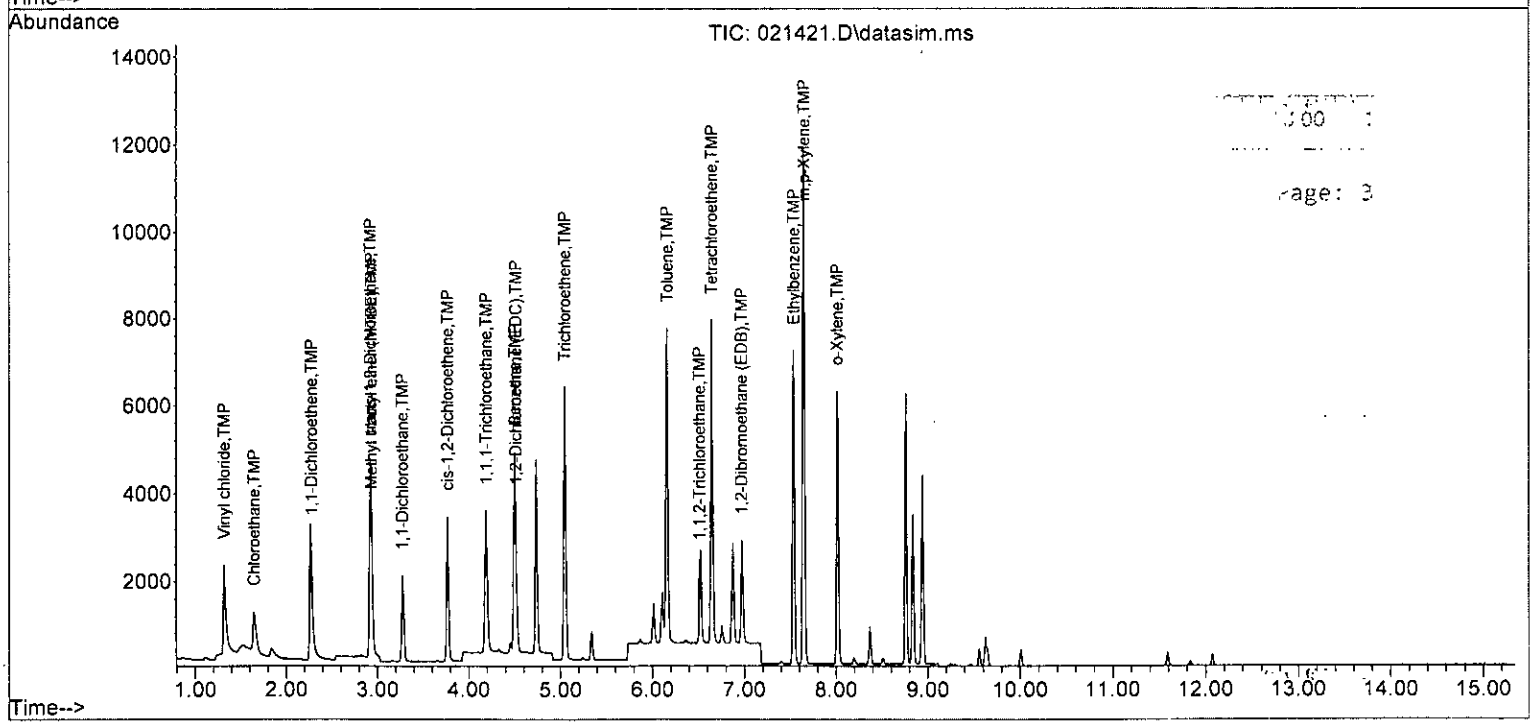
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	1364	4.600	ppb		99
38) cis-1,3-Dichloropropene	5.88	75	1981	0.972	ppb		97
40] Toluene	6.16	92	4185	1.017	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	1629	0.895	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	1185	1.015	ppb	#	69
43) 2-Hexanone	6.76	43	4084	4.915	ppb		94
44) 1,3-Dichloropropane	6.67	76	1983	1.014	ppb		91
45] Tetrachloroethene	6.65	164	2596	1.042	ppb		99
46) Dibromochloromethane	6.87	129	2394	0.951	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	1869	0.981	ppb		100
48) Chlorobenzene	7.43	112	5683	1.021	ppb		97
49] Ethylbenzene	7.54	91	7523	1.018	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	2247	0.999	ppb		93
51] m,p-Xylene	7.65	106	6725	2.064	ppb		99
52] o-Xylene	8.01	106	3229	1.023	ppb	#	74
53) Styrene	8.03	104	4993	1.015	ppb		94
54) Isopropylbenzene	8.37	105	7947	0.991	ppb		98
55) Bromoform	8.20	173	1595	0.941	ppb		95
58) n-Propylbenzene	8.76	91	7884	1.014	ppb		100
59) Bromobenzene	8.65	156	2924	1.041	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	6705	1.051	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	1611	1.045	ppb		95
62) 1,2,3-Trichloropropane	8.69	75	1395	1.166	ppb		94
63) 2-Chlorotoluene	8.84	91	5058	1.097	ppb		92
64) 4-Chlorotoluene	8.94	91	5166	0.981	ppb		98
65) tert-Butylbenzene	9.25	119	6936	1.030	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	6416	0.983	ppb		96
67) sec-Butylbenzene	9.46	105	8422	1.015	ppb		96
68) p-Isopropyltoluene	9.60	119	7942	0.971	ppb		96
69) 1,3-Dichlorobenzene	9.55	146	5292	1.052	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	5083	1.052	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	4930	1.035	ppb		96
72) 1,2-Dibromo-3-chloropr...	10.77	75	249	0.899	ppb	#	84
73) 1,2,4-Trichlorobenzene	11.59	180	2951	0.933	ppb		91
74) Hexachlorobutadiene	11.77	225	1888	0.960	ppb		92
75) Naphthalene	11.83	128	5460	0.957	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	2554	0.990	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

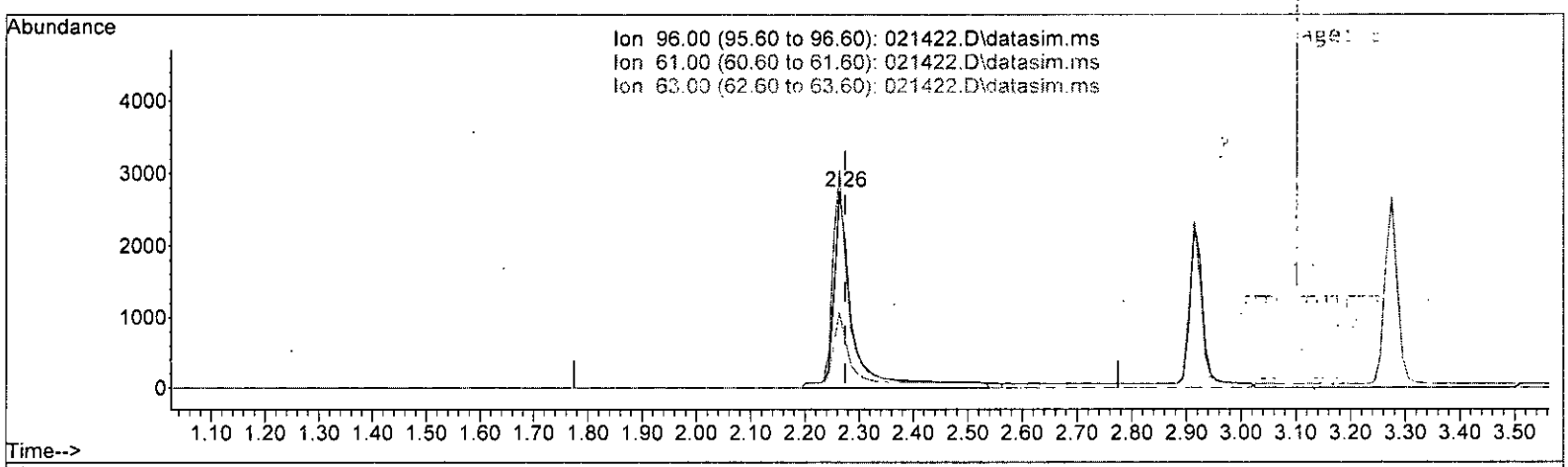


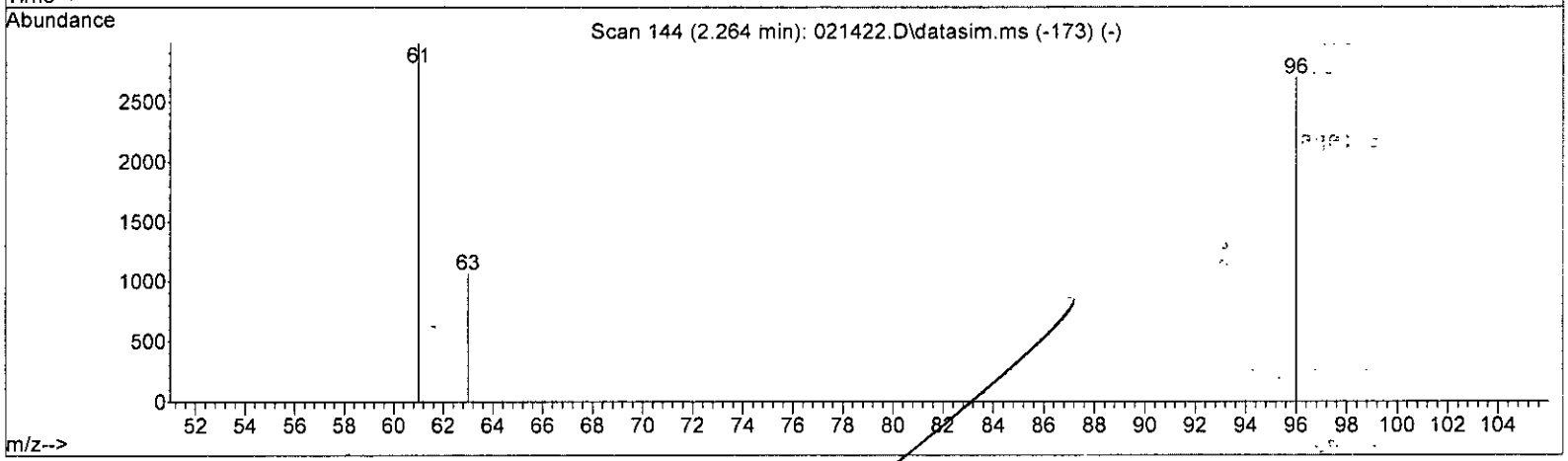


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 2.222 ppb
response 6685

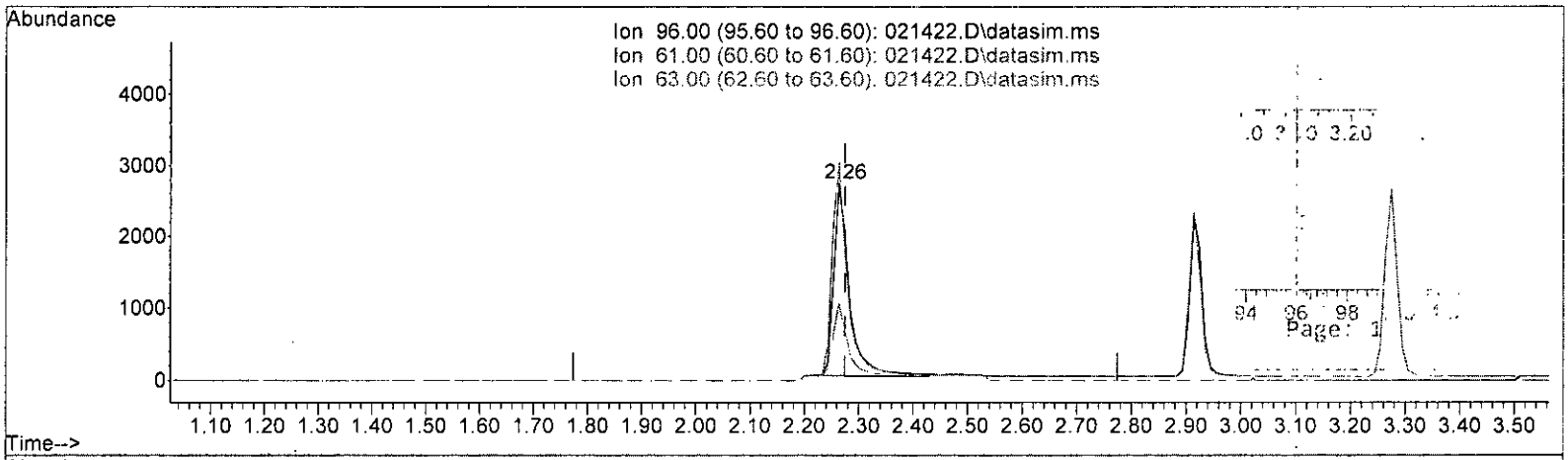
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

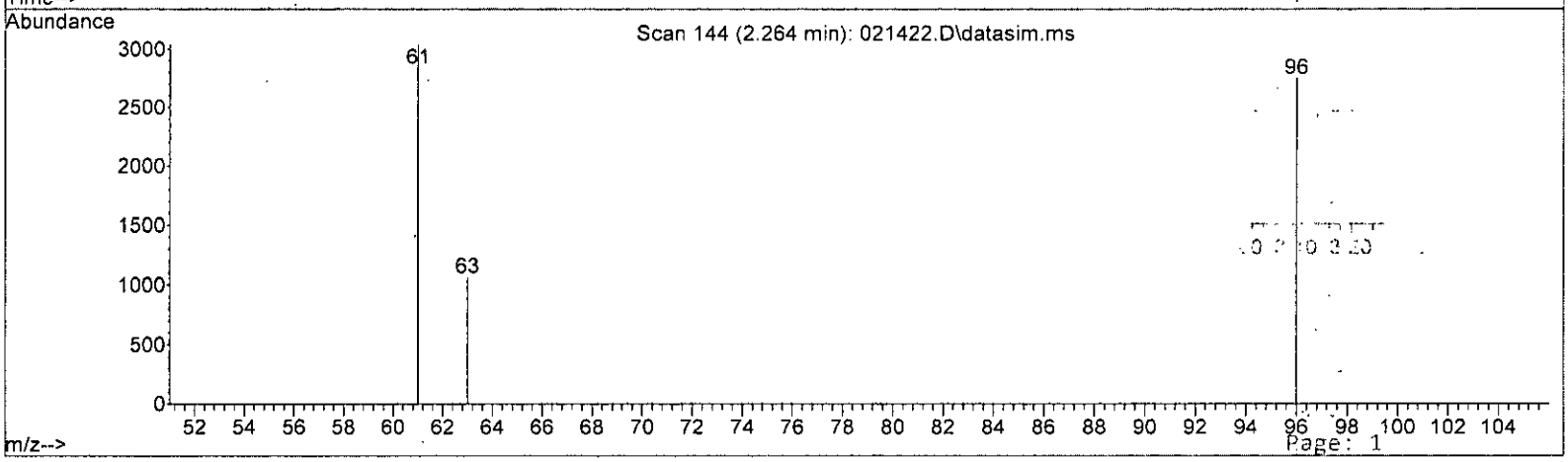
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 1.738 ppb m

response 5230

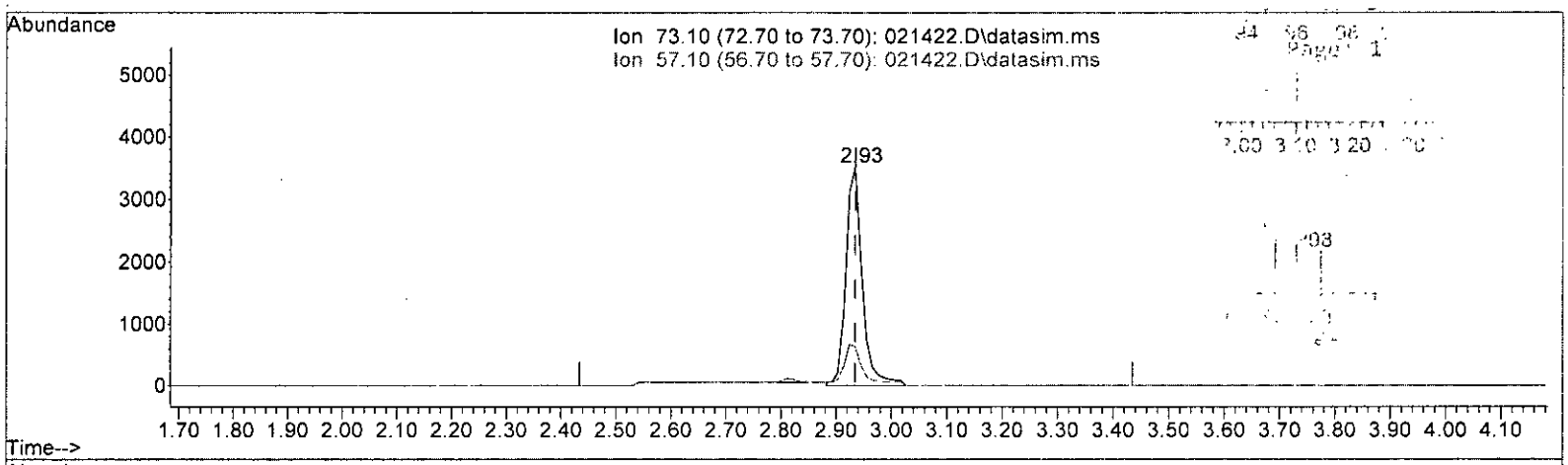
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

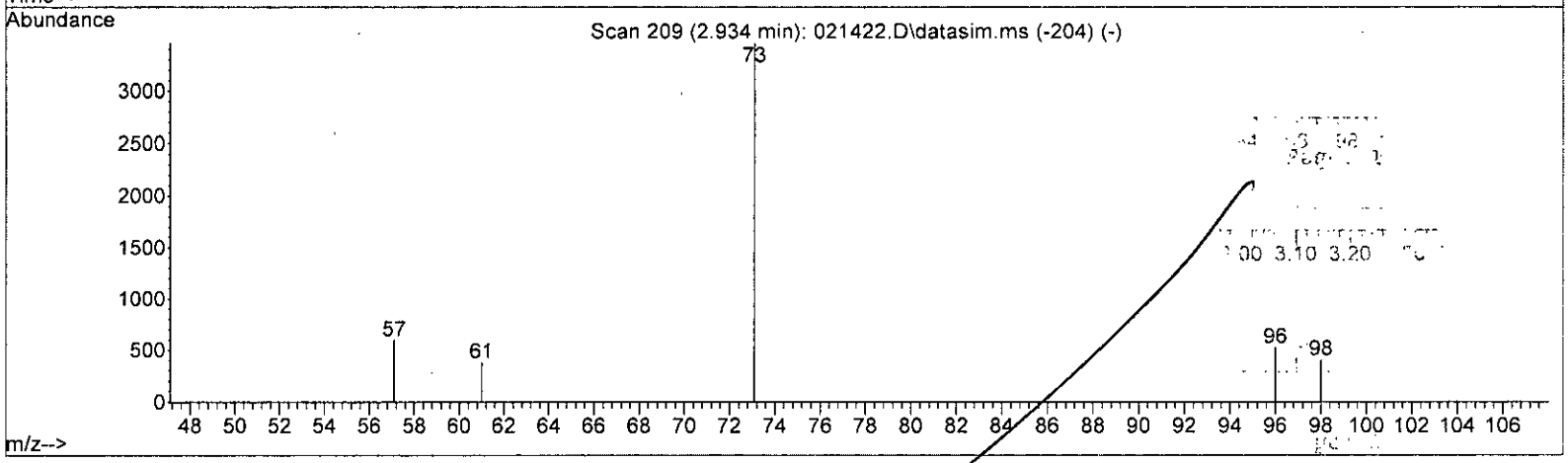
m 2/15

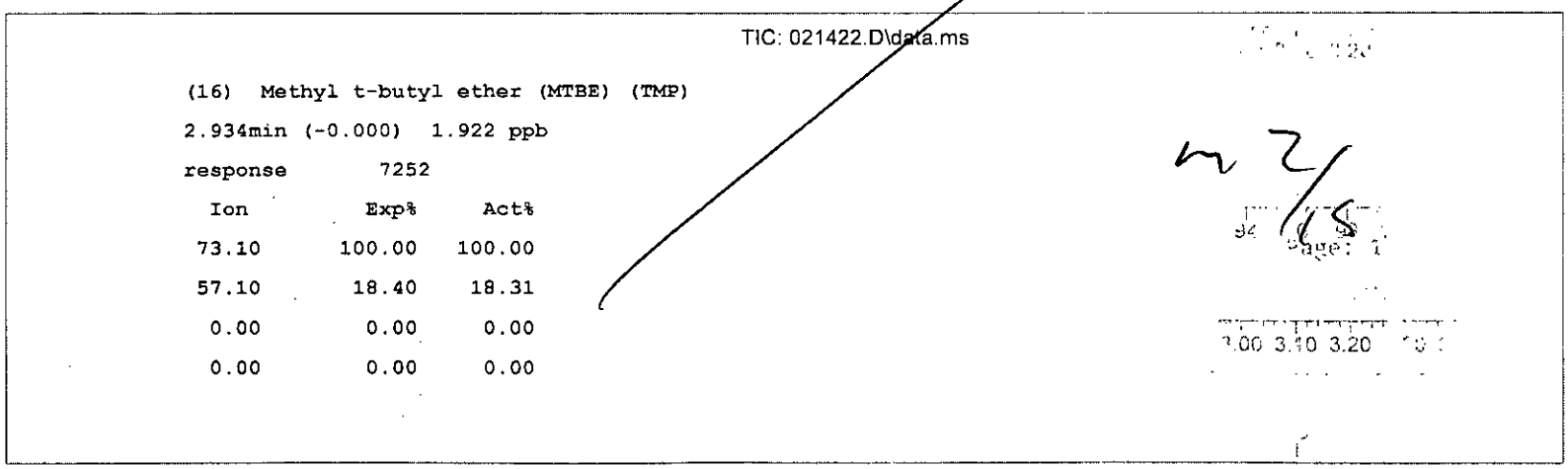
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







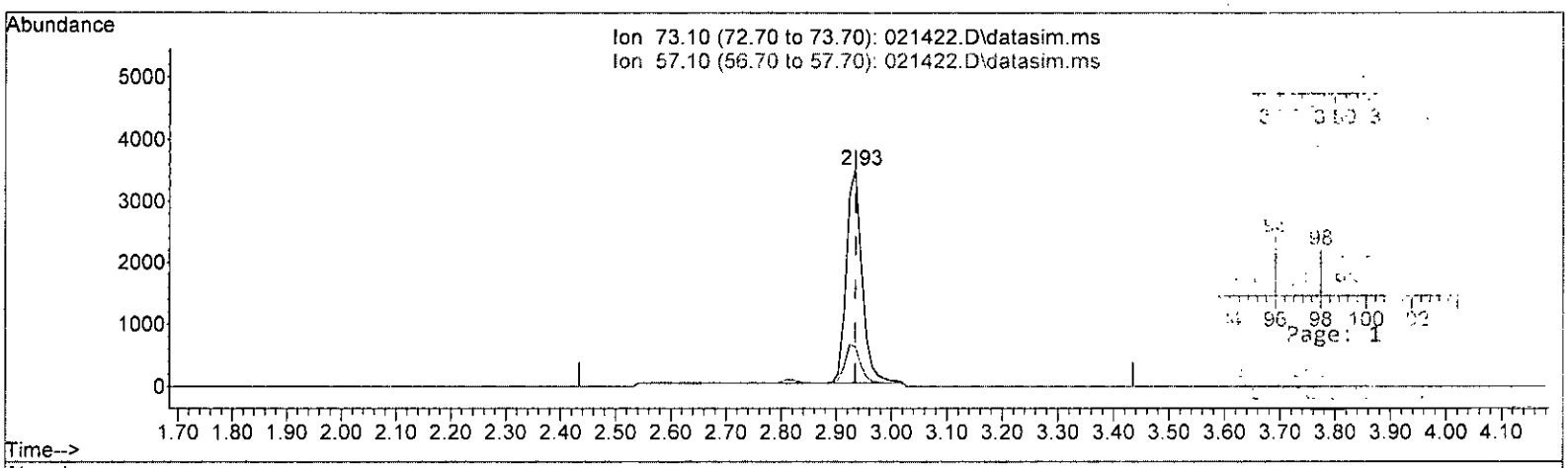
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.922 ppb
response 7252

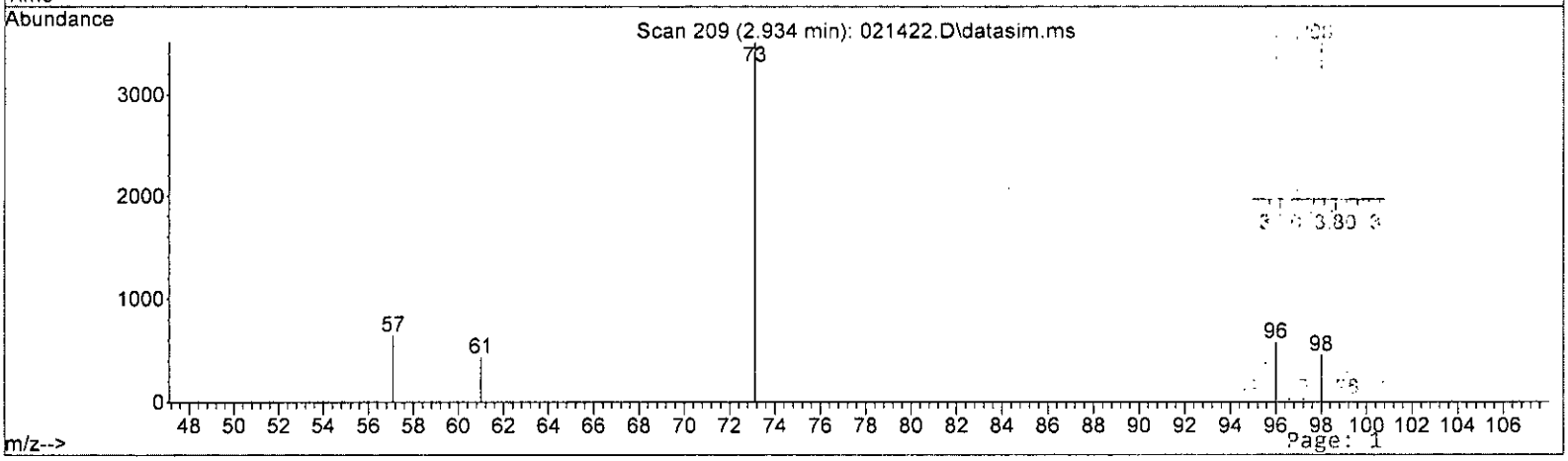
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

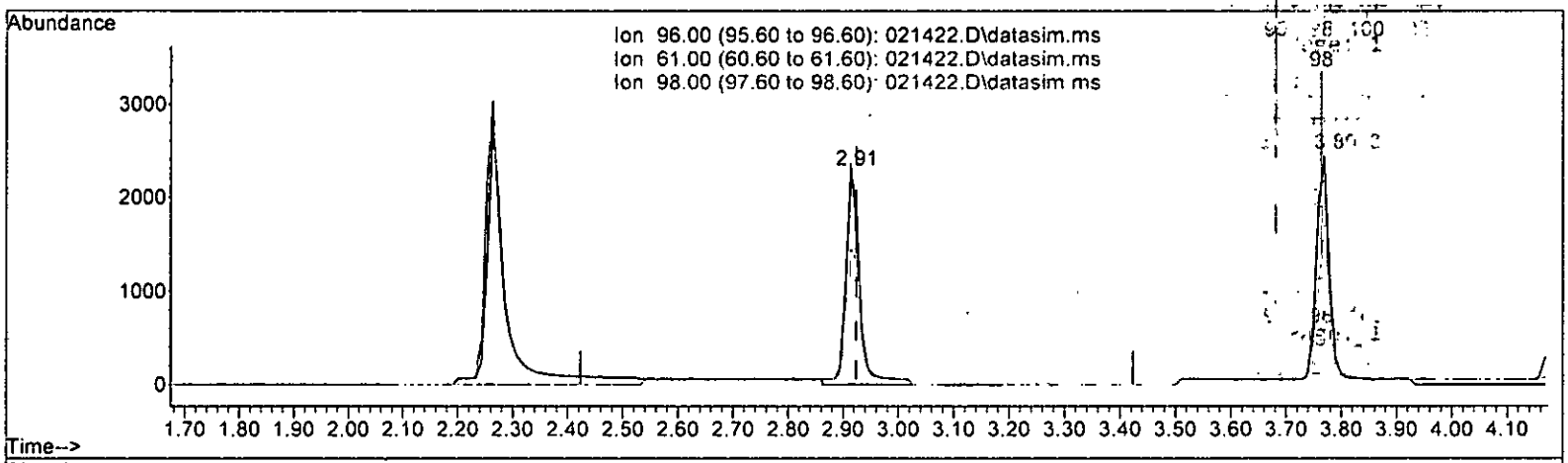
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.799 ppb m
response 6790

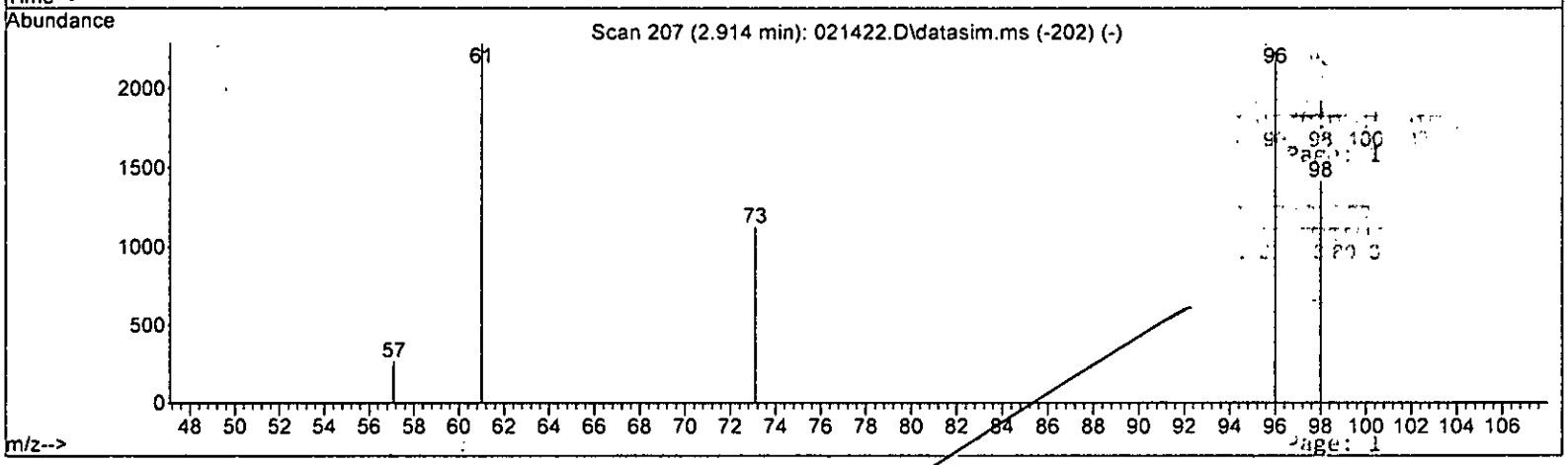
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

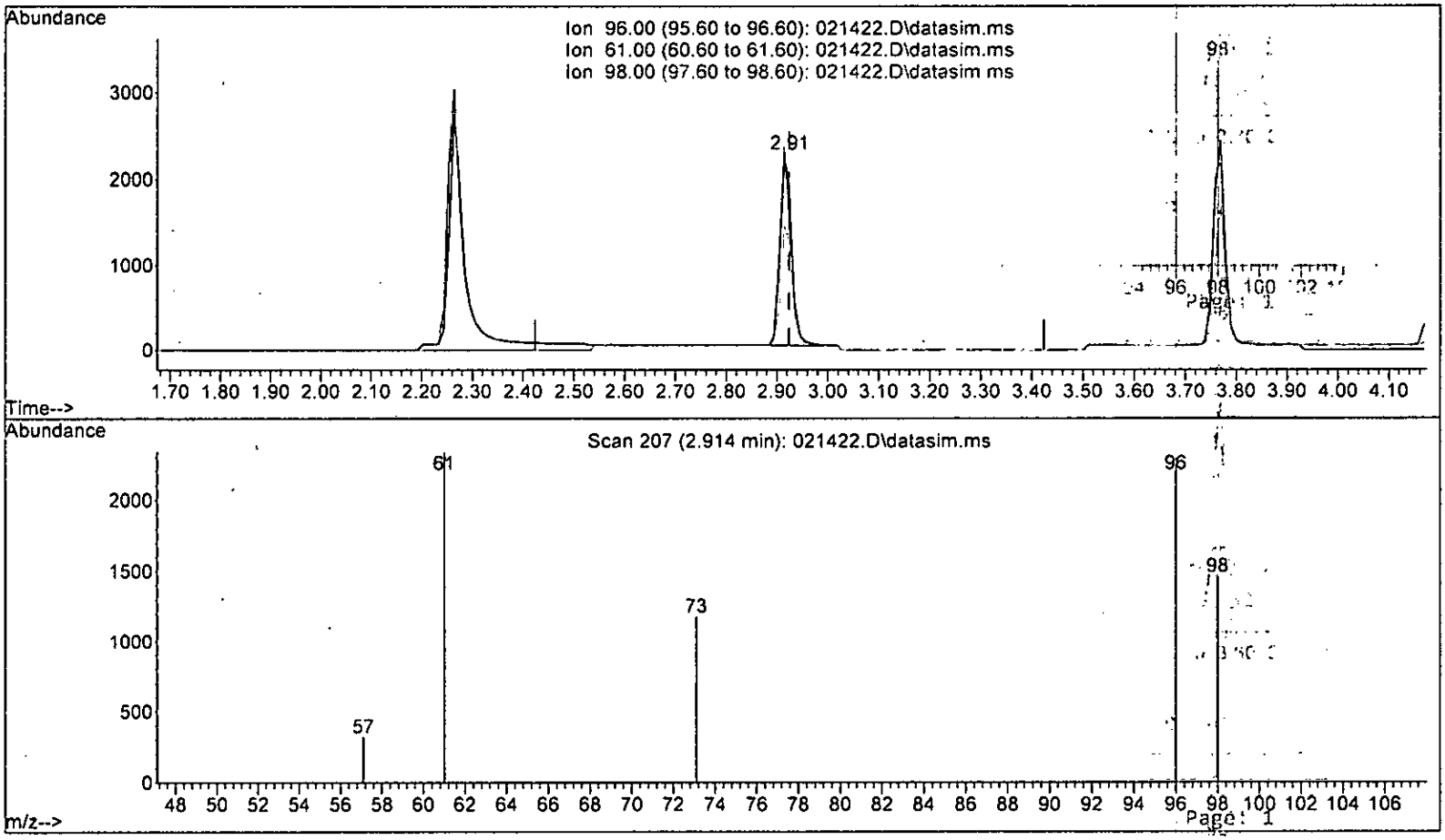
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 2.053 ppb
response 3989

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021422.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 1.805 ppb m
response 3507

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

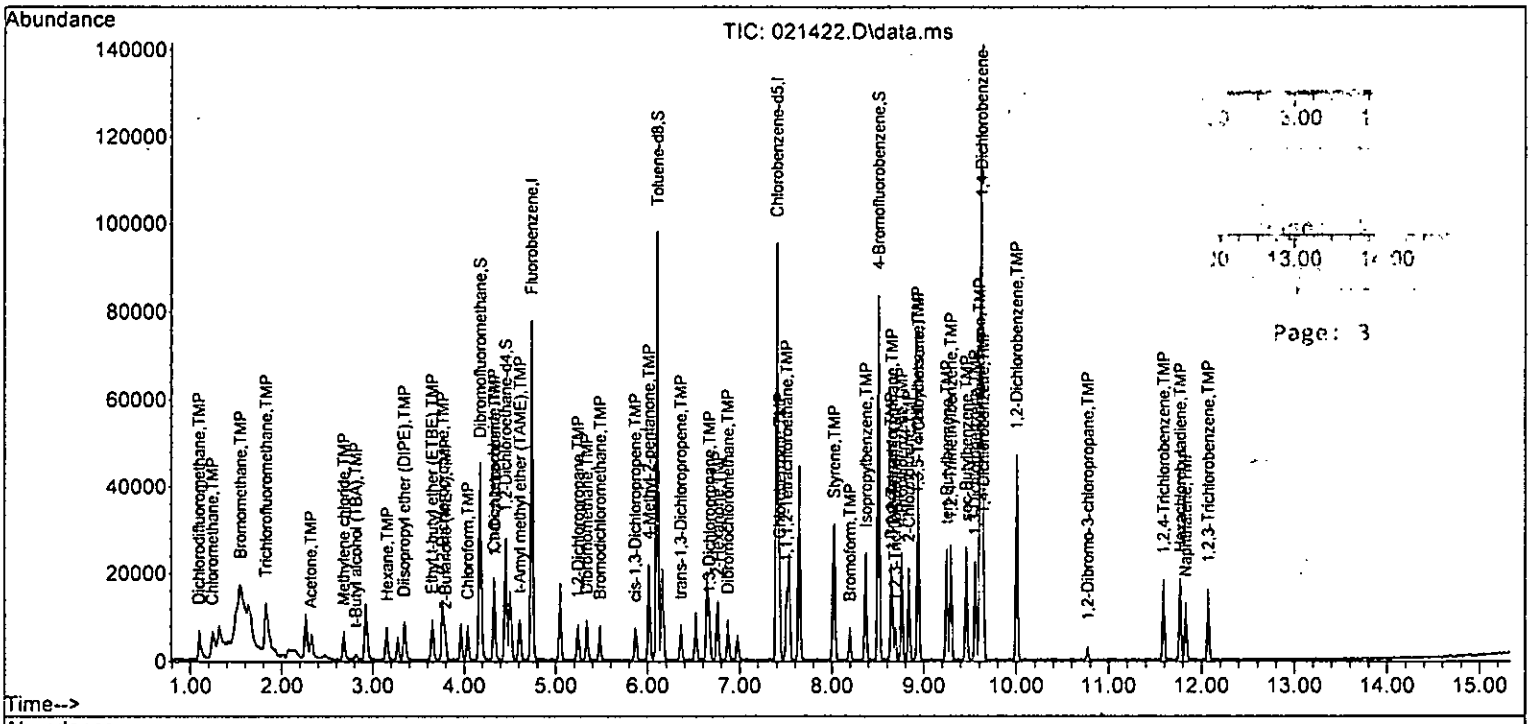
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

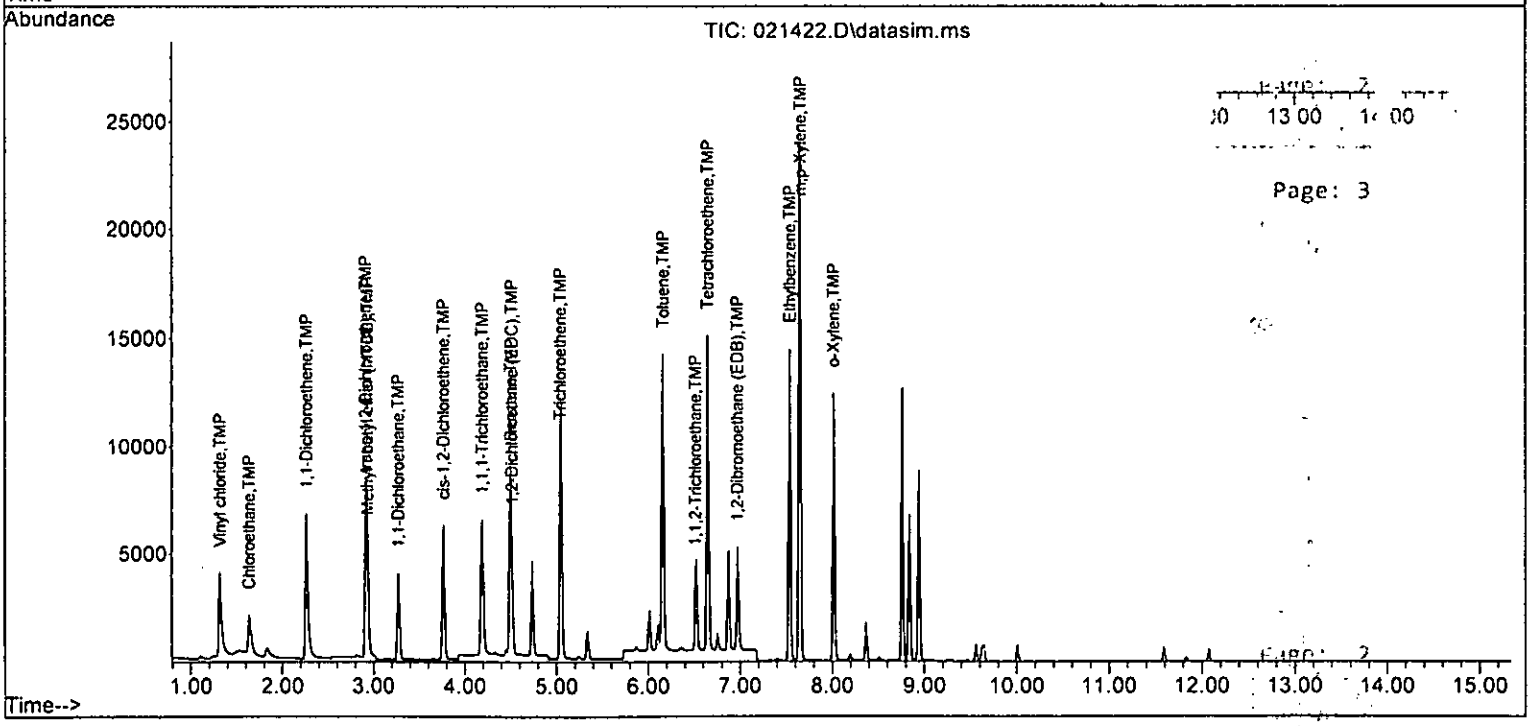
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.166	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.774	11.3	100	-0.01
5	TMP	Chloromethane	2.000	1.897	5.1	100	-0.01
6	TMP	Vinyl chloride	2.000	1.795	10.3	105	-0.01
7	TMP	Bromomethane	2.000	2.537	-26.8#	100	-0.02
8	TMP	Chloroethane	2.000	1.902	4.9	118	-0.02
9	TMP	Trichlorofluoromethane	2.000	1.721	13.9	88	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	10.000	10.341	-3.4	102	-0.01
12	TMP	1,1-Dichloroethene	2.000	1.738	13.1	101	-0.01
13	TMP	Hexane	2.000	1.894	5.3	100	0.00
14	TMP	Methylene chloride	2.000	2.210	-10.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	10.000	8.876	11.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	1.799	10.1	99	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	1.805	9.8	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	2.000	1.864	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	1.771	11.5	100	-0.01
21	TMP	2,2-Dichloropropane	2.000	1.712	14.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	1.797	10.2	100	0.00
23	TMP	Chloroform	2.000	1.797	10.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	8.819	11.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	1.892	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	1.971	1.4	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.832	8.4	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.942	2.9	100	0.00
29	TMP	Carbon tetrachloride	2.000	1.692	15.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	8.925	10.7	100	0.00
31	TMP	Benzene	2.000	1.897	5.1	100	0.00
32	TMP	Trichloroethene	2.000	1.893	5.3	100	-0.01
33	TMP	1,2-Dichloropropane	2.000	1.888	5.6	100	0.00
34	TMP	Bromodichloromethane	2.000	1.762	11.9	100	0.00
35	S	Toluene-d8	10.000	9.419	5.8	100	0.00
36	TMP	Dibromomethane	2.000	1.908	4.6	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.220	7.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	2.000	1.812	9.4	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.991	0.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.750	12.5	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	2.002	-0.1	100	-0.01
43	TMP	2-Hexanone	10.000	9.900	1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	2.049	-2.4	100	0.00
45	TMP	Tetrachloroethene	2.000	2.016	-0.8	100	0.00
46	TMP	Dibromochloromethane	2.000	1.915	4.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.929	3.5	100	0.00
48	TMP	Chlorobenzene	2.000	2.010	-0.5	100	0.00
49	TMP	Ethylbenzene	2.000	2.023	-1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.862	6.9	100	0.00
51	TMP	m,p-Xylene	4.000	4.096	-2.4	100	0.00
52	TMP	o-Xylene	2.000	2.009	-0.4	100	0.00
53	TMP	Styrene	2.000	1.997	0.1	100	0.00
54	TMP	Isopropylbenzene	2.000	1.996	0.2	100	0.00
55	TMP	Bromoform	2.000	1.805	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.995	0.1	100	0.00
58	TMP	n-Propylbenzene	2.000	2.045	-2.2	100	0.00
59	TMP	Bromobenzene	2.000	1.967	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.015	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.068	-3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.041	-2.0	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.123	-6.2	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.067	-3.4	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.995	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.969	1.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	2.027	-1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.000	1.964	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.943	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.018	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.967	1.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.877	6.2	100	0.00
73	TMP	1,2,4-Trichlorobenzene	2.000	1.832	8.4	100	0.00
74	TMP	Hexachlorobutadiene	2.000	1.965	1.7	100	0.00
75	TMP	Naphthalene	2.000	1.851	7.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.021	-1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.286	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.647	11.4	100	-0.01
5	TMP	Chloromethane	0.500	0.474	5.2	100	-0.01
6	TMP	Vinyl chloride	0.532	0.496	6.8	105	-0.01
7	TMP	Bromomethane	0.491	0.682	-38.9#	100	-0.02
8	TMP	Chloroethane	0.247	0.244	1.2	118	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.135	13.9	88	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.025	0.0	102	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.383	13.0	101	-0.01
13	TMP	Hexane	0.231	0.218	5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.018#	14.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.497#	10.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.257	9.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.477#	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.305	6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.235	8.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.205	12.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.271	10.3	100	0.00
23	TMP	Chloroform	0.430	0.386	10.2	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.079	11.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.488#	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.281	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.400	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.285	2.7	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.405	12.5	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.055	11.3	100	0.00
31	TMP	Benzene	0.876	0.805	8.1	100	0.00
32	TMP	Trichloroethene	0.338	0.299	11.5	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.284	5.3	100	0.00
35	S	Toluene-d8	0.931	0.877	5.8	100	0.00
36	TMP	Dibromomethane	0.171	0.164	4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.271	12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.707	7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.277	12.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.143	0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.435	3.8	100	0.00
46	TMP	Dibromochloromethane	0.437	0.418	4.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.972	-0.5	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.364	6.9	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.549	3.0	100	0.00
53	TMP	Styrene	0.855	0.854	0.1	100	0.00
54	TMP	Isopropylbenzene	1.393	1.390	0.2	100	0.00
55	TMP	Bromoform	0.295	0.266	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.616	0.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.425	-2.3	100	0.00
59	TMP	Bromobenzene	0.857	0.843	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.961	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.495#	-4.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.372#	-1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.456	-4.1	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.659	-3.3	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.049	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.960	1.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.565	-1.3	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.449	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.491	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.487	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.428	1.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.884	8.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.590	1.7	100	0.00
75	TMP	Naphthalene	1.920	1.622	15.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.806	6.3	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

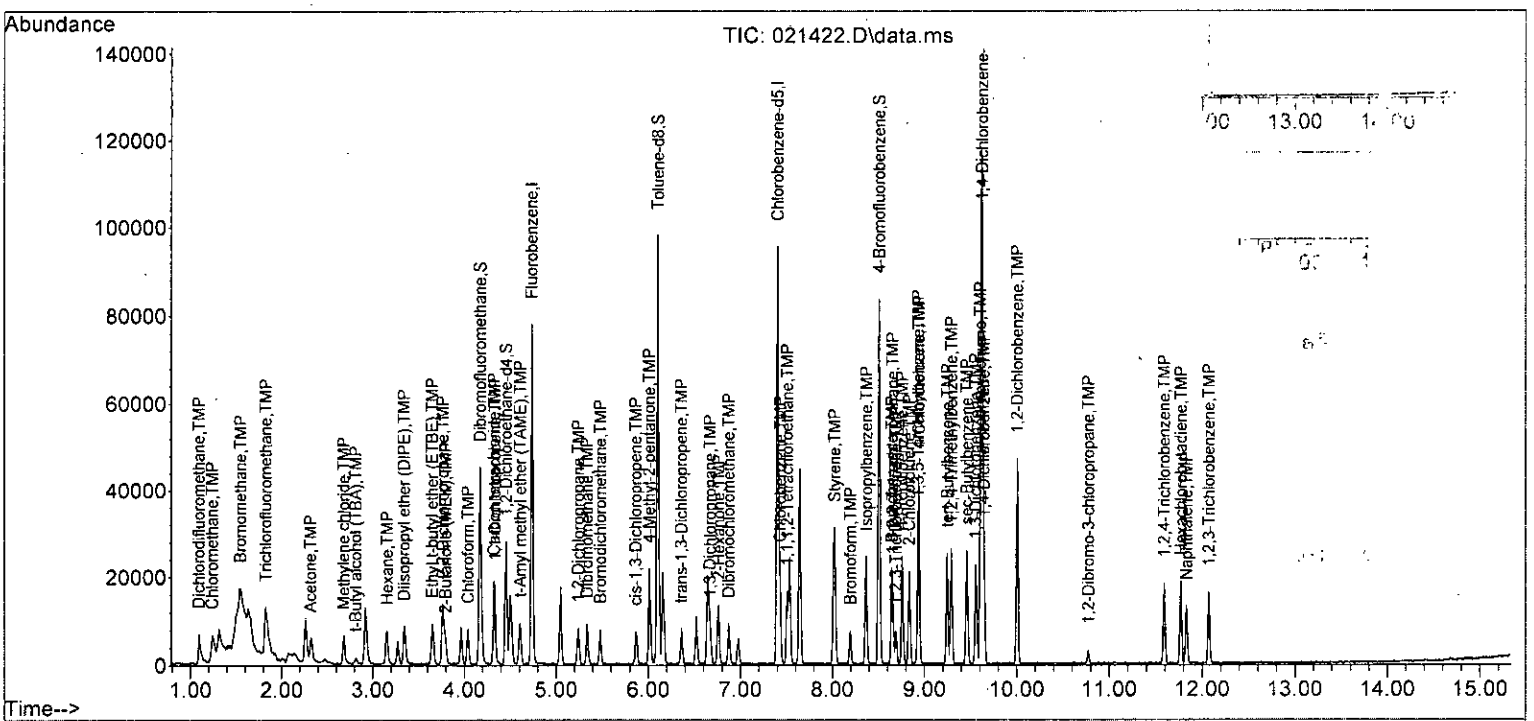
Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

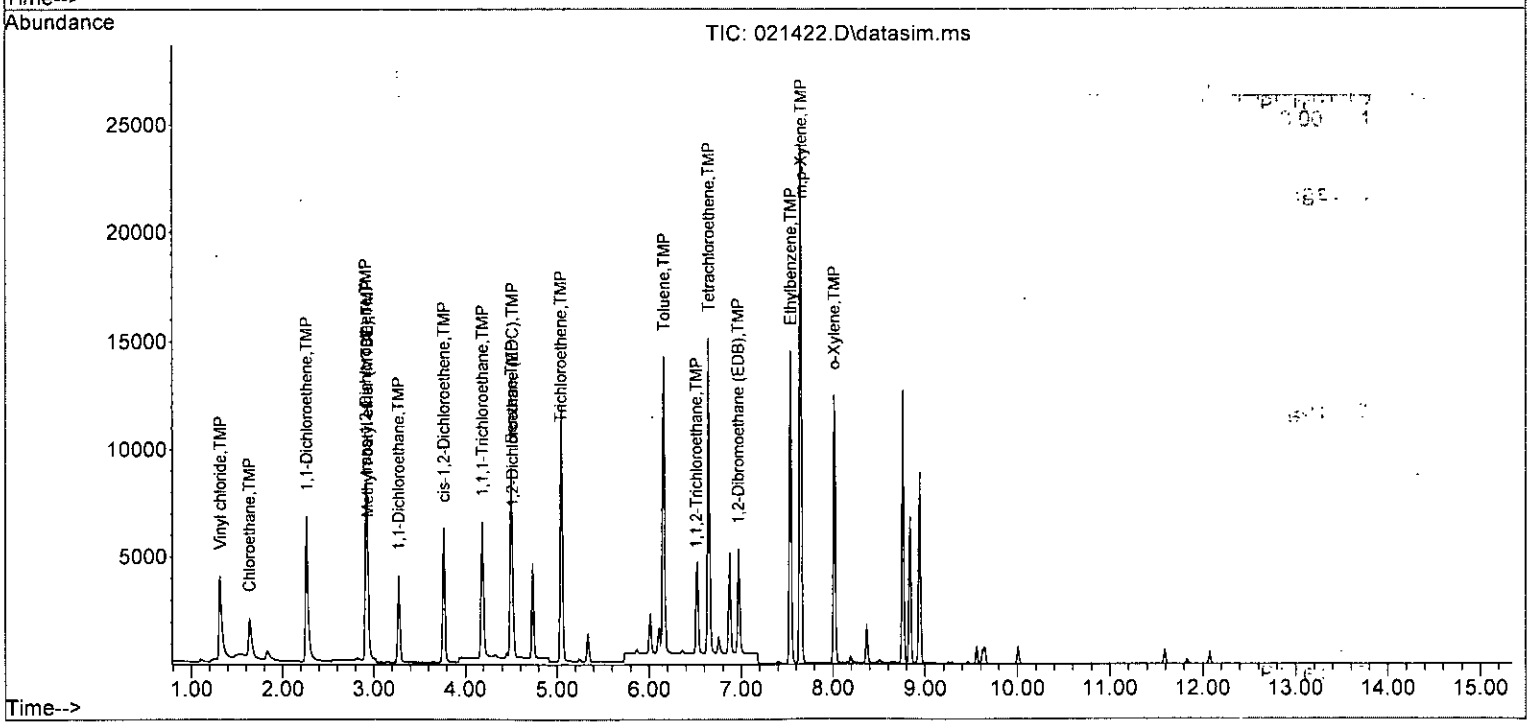
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

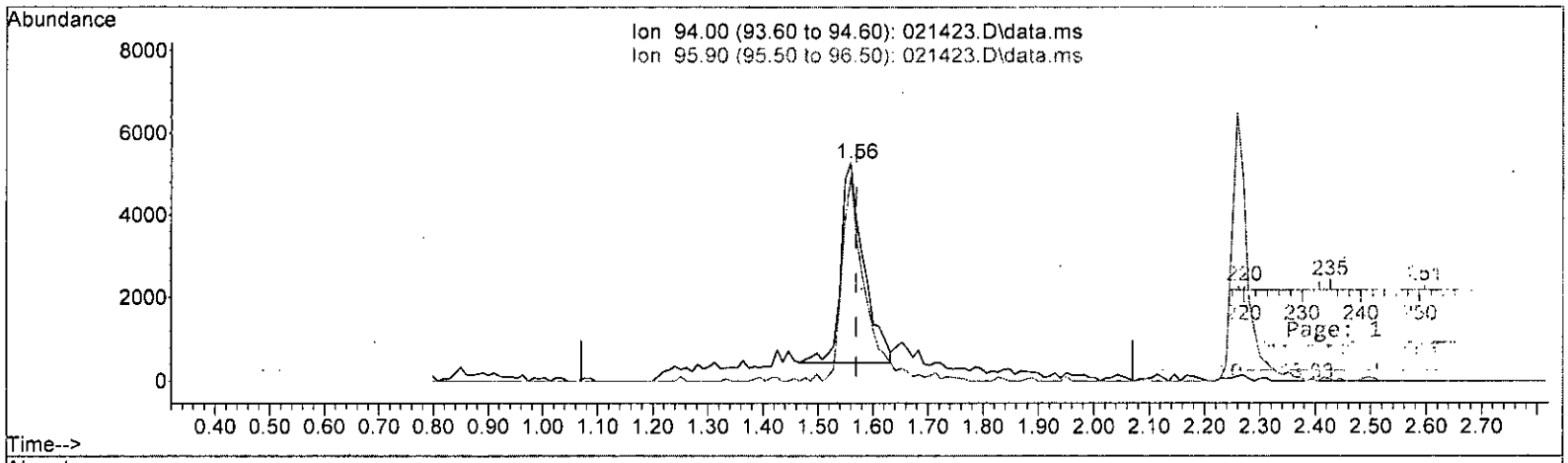


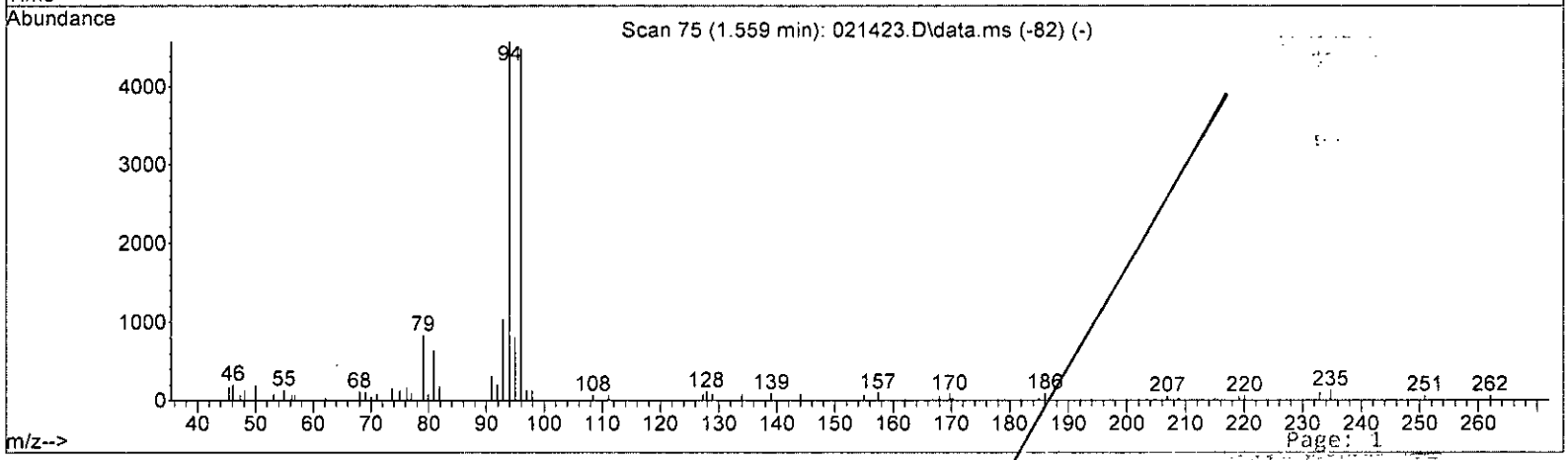


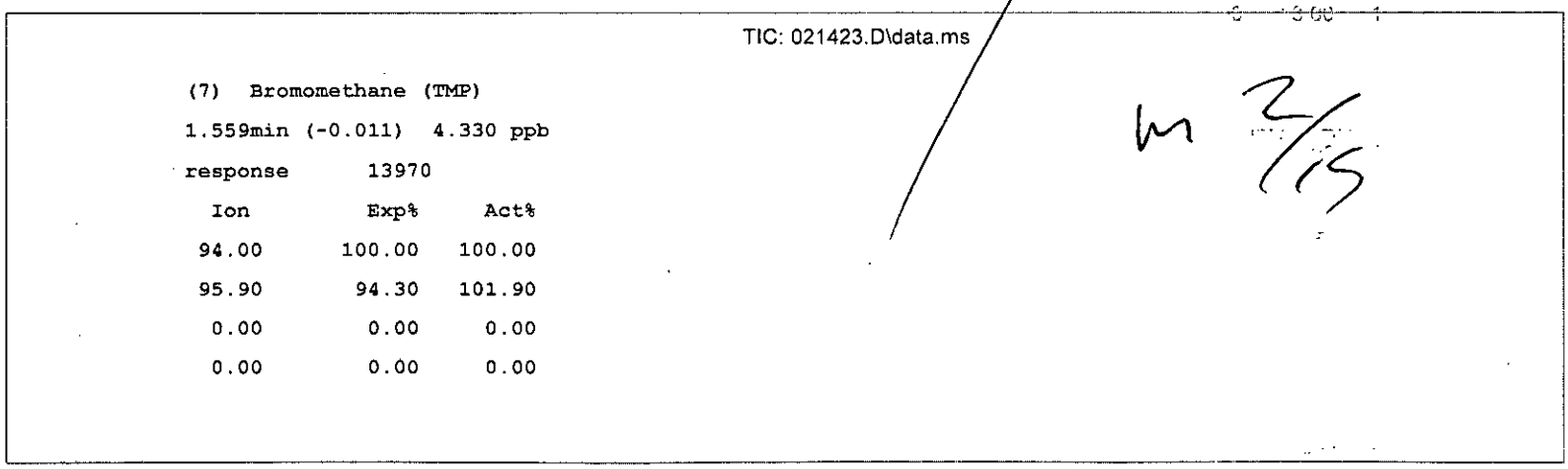
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







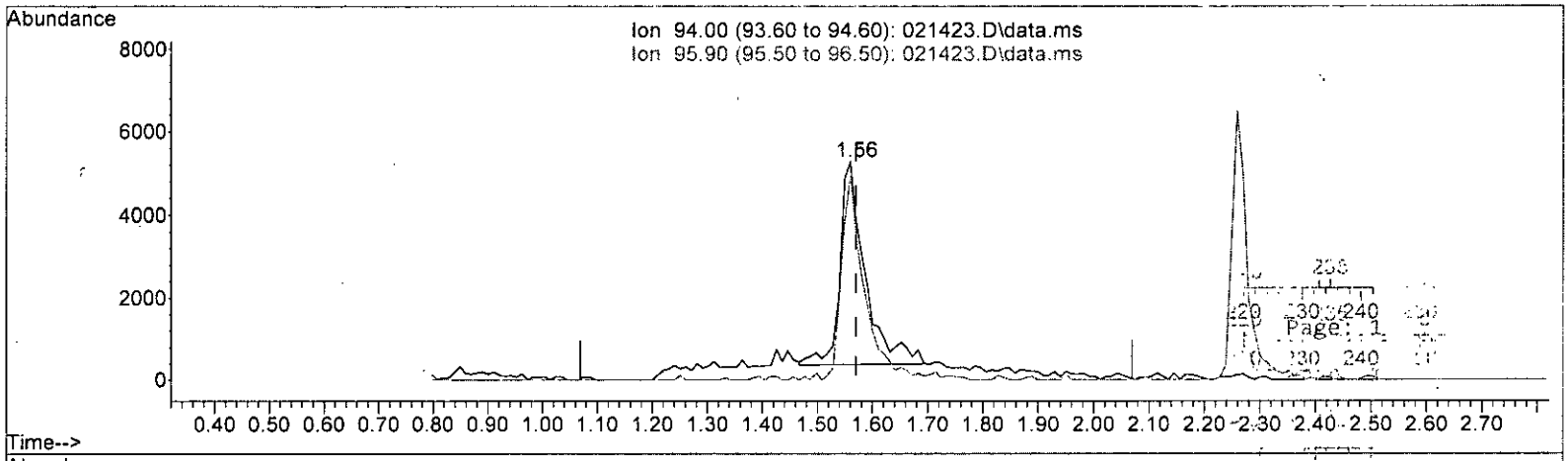
(7) Bromomethane (TMP)
1.559min (-0.011) 4.330 ppb
response 13970

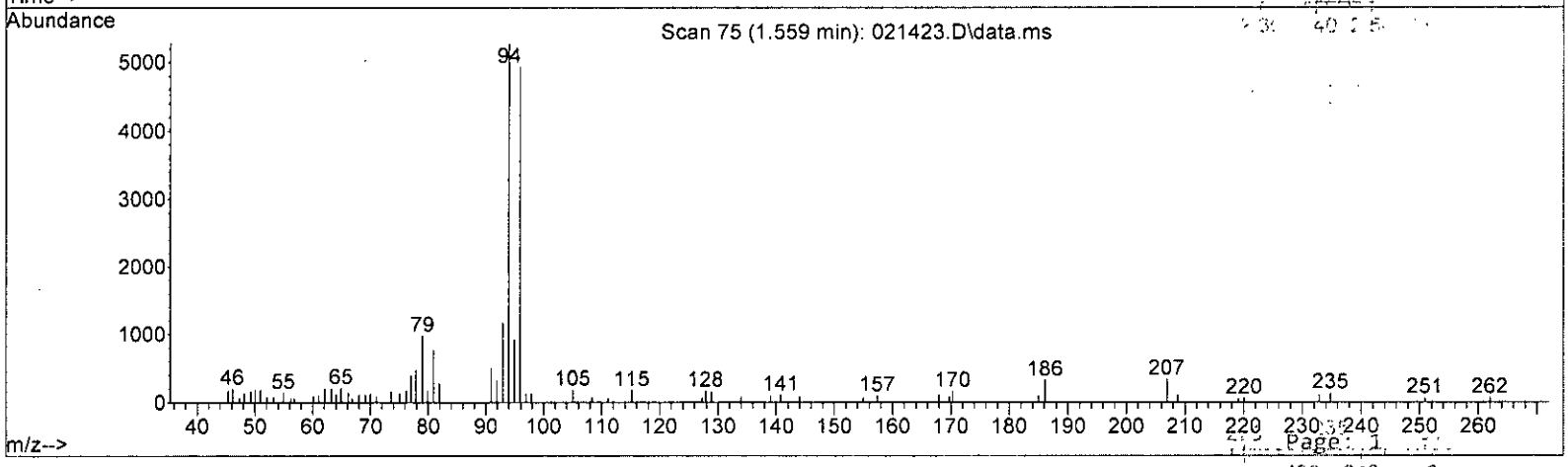
Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	101.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021423.D\data.ms

(7) Bromomethane (TMP)

1.559min (-0.011) 4.923 ppb m

response 15739

Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	93.51
0.00	0.00	0.00
0.00	0.00	0.00

m2/15

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.979	0.2	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.087	-1.7	100	-0.01
5	TMP	Chloromethane	5.000	5.079	-1.6	100	-0.01
6	TMP	Vinyl chloride	5.000	4.781	4.4	100	-0.02
7	TMP	Bromomethane	5.000	4.923	1.5	113	-0.01
8	TMP	Chloroethane	5.000	4.950	1.0	100	-0.02
9	TMP	Trichlorofluoromethane	5.000	5.045	-0.9	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	25.000	26.563	-6.3	100	-0.01
12	TMP	1,1-Dichloroethene	5.000	5.444	-8.9	100	-0.01
13	TMP	Hexane	5.000	4.924	1.5	100	0.00
14	TMP	Methylene chloride	5.000	5.113	-2.3	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	25.000	24.251	3.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.049	-1.0	100	-0.01
17	TMP	trans-1,2-Dichloroethene	5.000	5.095	-1.9	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	5.000	4.835	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	5.000	5.043	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.639	7.2	100	-0.01
21	TMP	2,2-Dichloropropane	5.000	4.687	6.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.251	-5.0	100	0.00
23	TMP	Chloroform	5.000	4.965	0.7	100	0.00
24	TMP	2-Butanone (MEK)	25.000	23.783	4.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.945	1.1	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.047	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.979	0.4	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.926	1.5	100	-0.01
29	TMP	Carbon tetrachloride	5.000	4.498	10.0	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.050	-0.5	100	0.00
31	TMP	Benzene	5.000	5.074	-1.5	100	0.00
32	TMP	Trichloroethene	5.000	5.190	-3.8	103	-0.01
33	TMP	1,2-Dichloropropane	5.000	5.245	-4.9	100	0.00
34	TMP	Bromodichloromethane	5.000	4.622	7.6	100	0.00
35	S	Toluene-d8	10.000	10.135	-1.3	100	0.00
36	TMP	Dibromomethane	5.000	5.059	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	24.098	3.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.671	6.6	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.064	-1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.871	2.6	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.055	-1.1	100	-0.01
43	TMP	2-Hexanone	25.000	24.916	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	5.088	-1.8	100	0.00
45	TMP	Tetrachloroethene	5.000	5.115	-2.3	100	0.00
46	TMP	Dibromochloromethane	5.000	4.904	1.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.962	0.8	100	0.00
48	TMP	Chlorobenzene	5.000	4.996	0.1	100	0.00
49	TMP	Ethylbenzene	5.000	5.127	-2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.988	0.2	100	0.00
51	TMP	m,p-Xylene	10.000	10.400	-4.0	100	0.00
52	TMP	o-Xylene	5.000	5.142	-2.8	100	0.00
53	TMP	Styrene	5.000	4.982	0.4	100	0.00
54	TMP	Isopropylbenzene	5.000	5.136	-2.7	100	0.00
55	TMP	Bromoform	5.000	4.832	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.936	0.6	100	0.00
58	TMP	n-Propylbenzene	5.000	4.960	0.8	100	0.00
59	TMP	Bromobenzene	5.000	4.903	1.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.853	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	4.795	4.1	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.899	2.0	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.195	-3.9	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.074	-1.5	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.795	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.988	0.2	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.018	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.906	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.795	4.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.940	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.812	3.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.497	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	4.636	7.3	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.757	4.9	100	0.00
75	TMP	Naphthalene	5.000	4.834	3.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.970	0.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.312	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.742	-1.6	100	-0.01
5	TMP	Chloromethane	0.500	0.508	-1.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.530	0.4	100	-0.02
7	TMP	Bromomethane	0.491	0.499	-1.6	113	-0.01
8	TMP	Chloroethane	0.247	0.265	-7.3	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.331	-0.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.479	-8.9	100	-0.01
13	TMP	Hexane	0.231	0.227	1.7	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.558	-1.1	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.290	-2.1	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.465#	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.330	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.256	0.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.232	1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.317	-5.0	100	0.00
23	TMP	Chloroform	0.430	0.427	0.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.511	1.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.286	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.435	0.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.289	1.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.454	1.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.860	1.8	100	0.00
32	TMP	Trichloroethene	0.338	0.326	3.6	103	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.181	-4.6	100	0.00
34	TMP	Bromodichloromethane	0.300	0.305	-1.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.173	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.283	8.4	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.717	6.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.308	2.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.205	-1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.346	-1.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.429	1.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.328	0.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.310	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.585	0.8	100	0.00
52	TMP	o-Xylene	0.566	0.562	0.7	100	0.00
53	TMP	Styrene	0.855	0.852	0.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.431	-2.7	100	0.00
55	TMP	Bromoform	0.295	0.285	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.613	0.6	100	0.00
58	TMP	n-Propylbenzene	2.371	2.352	0.8	100	0.00
59	TMP	Bromobenzene	0.857	0.840	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.889	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.463#	2.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.357#	2.2	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.629	-1.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.970	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.986	0.3	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.540	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.447	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.472	4.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.457	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.398	3.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.894	7.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.571	4.8	100	0.00
75	TMP	Naphthalene	1.920	1.713	10.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.802	6.7	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63140	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55777	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33064	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19672	9.979	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%				
30) 1,2-Dichloroethane-d4	4.45	102	3934	10.050	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.50%				
35) Toluene-d8	6.11	98	59584	10.135	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.30%				
57) 4-Bromofluorobenzene	8.51	95	20254	9.936	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	23437	5.087	ppb		94
5) Chloromethane	1.24	50	16031	5.079	ppb		80
6] Vinyl chloride	1.31	62	16729	4.781	ppb		91
7) Bromomethane	1.56	94	15739m	4.923	ppb		
8] Chloroethane	1.64	64	8360	4.950	ppb		98
9) Trichlorofluoromethane	1.83	101	42033	5.045	ppb		96
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	3833	26.563	ppb		99
12] 1,1-Dichloroethene	2.26	96	15130	5.444	ppb		99
13) Hexane	3.16	57	7168	4.924	ppb		95
14) Methylene chloride	2.68	84	7406	5.113	ppb		93
15) t-Butyl alcohol (TBA)	2.81	59	3175	24.251	ppb		99
16] Methyl t-butyl ether (...	2.92	73	17601	5.049	ppb		98
17] trans-1,2-Dichloroethene	2.91	96	9146	5.095	ppb		97
18) Diisopropyl ether (DIPE)	3.34	45	14691	4.835	ppb		96
19] 1,1-Dichloroethane	3.27	63	10408	5.043	ppb		92
20) Ethyl t-butyl ether (E...	3.65	87	8097	4.639	ppb		94
21) 2,2-Dichloropropane	3.76	77	7319	4.687	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	10007	5.251	ppb		90
23) Chloroform	4.04	83	13468	4.965	ppb		96
24) 2-Butanone (MEK)	3.78	43	13377	23.783	ppb		98
25) t-Amyl methyl ether (T...	4.60	73	16120	4.945	ppb		96
26] 1,2-Dichloroethane (EDC)	4.52	62	9035	5.047	ppb		95
27] 1,1,1-Trichloroethane	4.19	97	13722	4.979	ppb		94
28) 1,1-Dichloropropene	4.32	75	9122	4.926	ppb		95
29) Carbon tetrachloride	4.32	117	14343	4.498	ppb		100
31] Benzene	4.50	78	27141	5.074	ppb		96
32] Trichloroethene	5.04	95	10298	5.190	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	5726	5.245	ppb		98
34) Bromodichloromethane	5.48	83	9636	4.622	ppb		94
36) Dibromomethane	5.34	93	5476	5.059	ppb		96

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

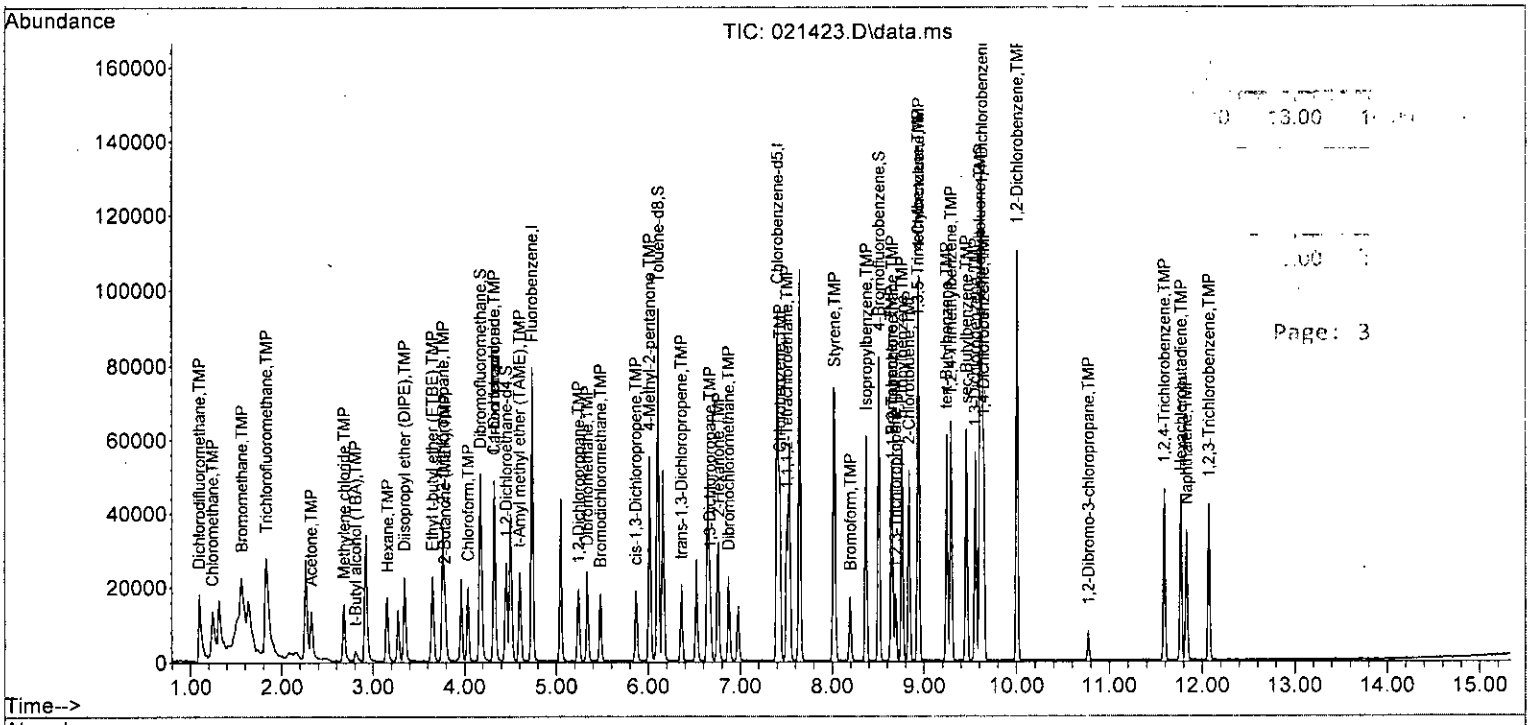
Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

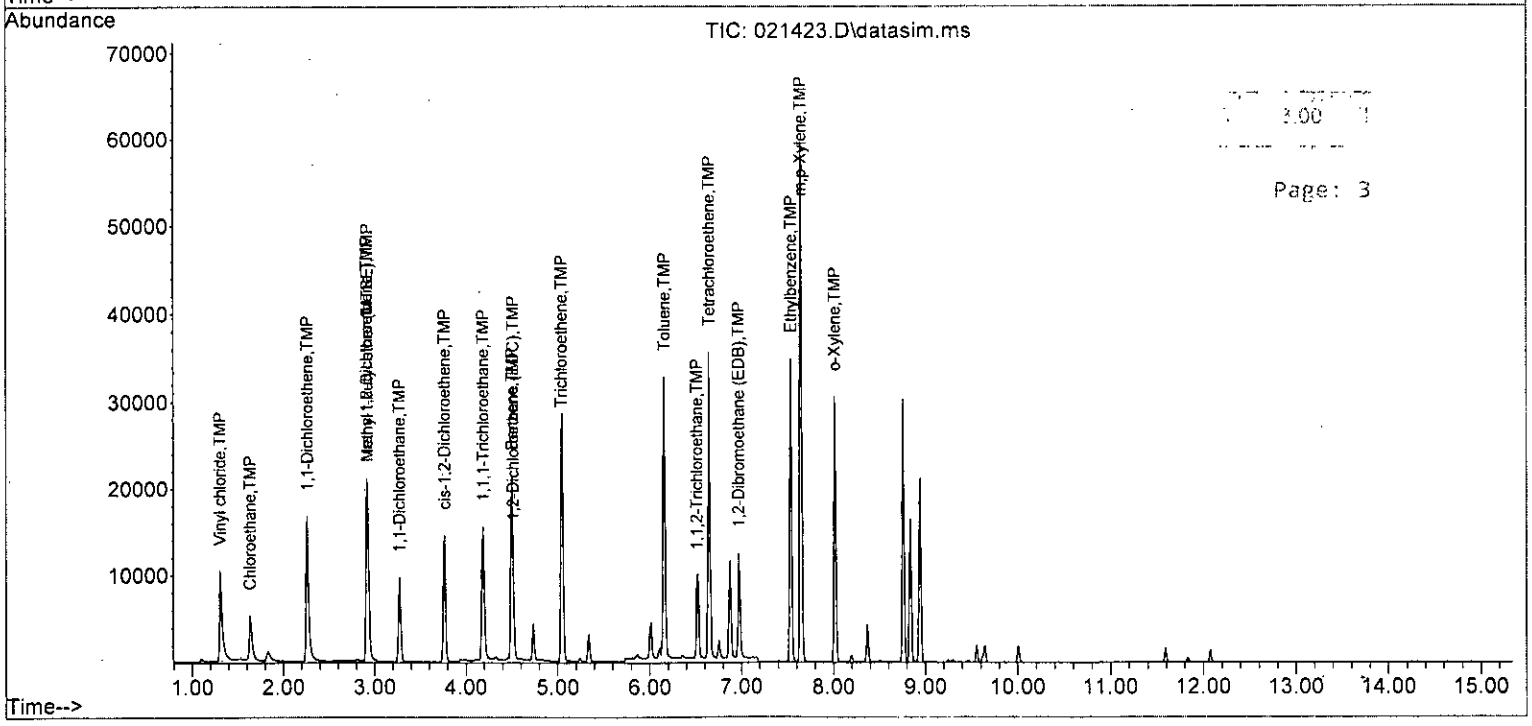
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	6538	24.098	ppb		97
38) cis-1,3-Dichloropropene	5.86	75	8928	4.671	ppb		90
40] Toluene	6.16	92	19998	5.064	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	8595	4.871	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	5720	5.055	ppb	#	70
43) 2-Hexanone	6.76	43	20063	24.916	ppb		97
44) 1,3-Dichloropropane	6.67	76	9645	5.088	ppb		88
45] Tetrachloroethene	6.65	164	12276	5.115	ppb		99
46) Dibromochloromethane	6.87	129	11955	4.904	ppb		95
47] 1,2-Dibromoethane (EDB)	6.97	107	9158	4.962	ppb		98
48) Chlorobenzene	7.43	112	26944	4.996	ppb		97
49] Ethylbenzene	7.54	91	36521	5.127	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	10876	4.988	ppb		95
51] m,p-Xylene	7.64	106	32653	10.400	ppb		80
52] o-Xylene	8.01	106	15661	5.142	ppb	#	77
53) Styrene	8.03	104	23752	4.982	ppb		98
54) Isopropylbenzene	8.37	105	39900	5.136	ppb		97
55) Bromoform	8.20	173	7938	4.832	ppb		88
58) n-Propylbenzene	8.76	91	38878	4.960	ppb		100
59) Bromobenzene	8.65	156	13892	4.903	ppb		93
60) 1,3,5-Trimethylbenzene	8.93	105	31227	4.853	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	7653	4.795	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	5910	4.899	ppb		99
63) 2-Chlorotoluene	8.84	91	23188	5.195	ppb		96
64) 4-Chlorotoluene	8.94	91	26938	5.074	ppb		93
65) tert-Butylbenzene	9.24	119	32561	4.795	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	32829	4.988	ppb		97
67) sec-Butylbenzene	9.46	105	41998	5.018	ppb		100
68) p-Isopropyltoluene	9.60	119	40453	4.906	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	24330	4.795	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	24079	4.940	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	23108	4.812	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	1256	4.497	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	14785	4.636	ppb		98
74) Hexachlorobutadiene	11.77	225	9437	4.757	ppb		99
75) Naphthalene	11.83	128	28312	4.834	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	13260	4.970	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	66660	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	55853	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31852	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	19702	9.466	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.70%			
30) 1,2-Dichloroethane-d4	4.45	102	4189	10.137	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.40%			
35) Toluene-d8	6.11	98	57317	9.234	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 92.30%			
57) 4-Bromofluorobenzene	8.51	95	19806	10.085	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.90%			
Target Compounds						Qvalue
2) Ethanol	2.34	45	74	No Calib		
4) Dichlorodifluoromethane	1.11	85	46452	9.550	ppb	100
5) Chloromethane	1.25	50	29504	8.855	ppb	100
6] Vinyl chloride	1.33	62	32430	8.773	ppb	100
7) Bromomethane	1.57	94	29970	9.160	ppb	100
8] Chloroethane	1.66	64	16154	8.959	ppb	100
9) Trichlorofluoromethane	1.84	101	82823	9.416	ppb	100
10) 2-Propanol	2.34	45	74	No Calib		
11) Acetone	2.33	58	7103	47.265	ppb	100
12] 1,1-Dichloroethene	2.27	96	27678	9.432	ppb	100
13) Hexane	3.16	57	14142	9.202	ppb	100
14) Methylene chloride	2.69	84	14918	9.512	ppb	100
15) t-Butyl alcohol (TBA)	2.82	59	6243	45.166	ppb	100
16] Methyl t-butyl ether (...	2.93	73	33767	9.175	ppb	100
17] trans-1,2-Dichloroethene	2.92	96	17392	9.177	ppb	100
18) Diisopropyl ether (DIPE)	3.35	45	30211	9.417	ppb	100
19] 1,1-Dichloroethane	3.27	63	20263	9.300	ppb	100
20) Ethyl t-butyl ether (E...	3.66	87	16292	8.742	ppb	100
21) 2,2-Dichloropropane	3.76	77	13923	8.379	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	18711	9.299	ppb	100
23) Chloroform	4.04	83	26704	9.324	ppb	100
24) 2-Butanone (MEK)	3.79	43	28454	47.917	ppb	100
25) t-Amyl methyl ether (T...	4.61	73	31660	9.200	ppb	100
26] 1,2-Dichloroethane (EDC)	4.52	62	17567	9.312	ppb	100
27] 1,1,1-Trichloroethane	4.19	97	26840	9.224	ppb	100
28) 1,1-Dichloropropene	4.33	75	17660	9.033	ppb	100
29) Carbon tetrachloride	4.33	117	28812	8.433	ppb	100
31] Benzene	4.50	78	52673	9.331	ppb	100
32] Trichloroethene	5.05	95	20042	9.577	ppb	100
33) 1,2-Dichloropropane	5.24	63	10897	9.455	ppb	100
34) Bromodichloromethane	5.48	83	18771	8.472	ppb	100
36) Dibromomethane	5.34	93	10660	9.327	ppb	100

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

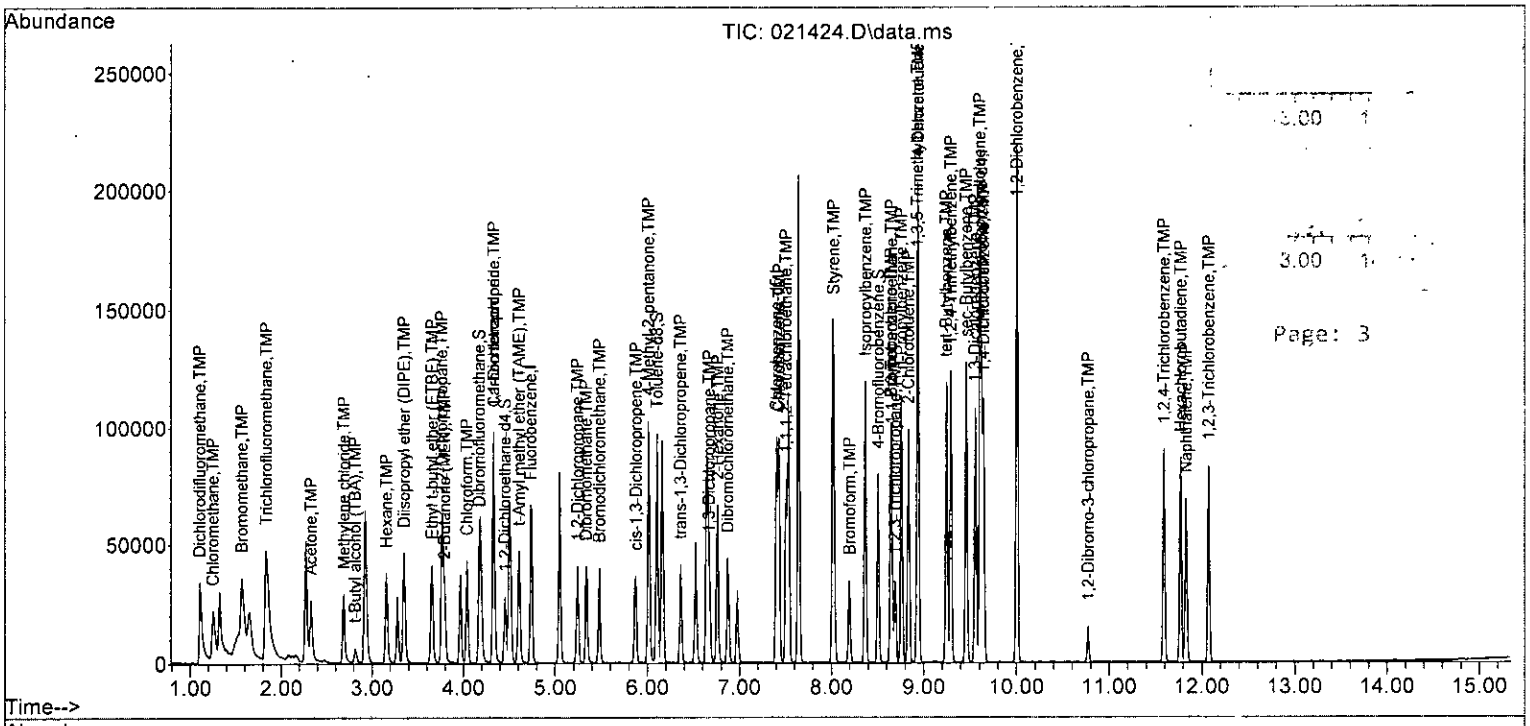
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	13376	46.698	ppb	100
38) cis-1,3-Dichloropropene	5.88	75	18496	9.091	ppb	100
40] Toluene	6.16	92	38979	9.869	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	16814	9.517	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	11116	9.811	ppb	100
43) 2-Hexanone	6.76	43	39117	48.513	ppb	100
44) 1,3-Dichloropropane	6.67	76	17872	9.415	ppb	100
45] Tetrachloroethene	6.65	164	23752	9.891	ppb	100
46) Dibromochloromethane	6.87	129	23172	9.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	17784	9.622	ppb	100
48) Chlorobenzene	7.43	112	53614	9.927	ppb	100
49] Ethylbenzene	7.54	91	71002	9.960	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	21452	9.825	ppb	100
51] m,p-Xylene	7.65	106	63312	20.150	ppb	100
52] o-Xylene	8.02	106	30408	9.976	ppb	100
53) Styrene	8.03	104	47012	9.848	ppb	100
54) Isopropylbenzene	8.37	105	75944	9.763	ppb	100
55) Bromoform	8.20	173	15505	9.426	ppb	100
58) n-Propylbenzene	8.76	91	75822	10.040	ppb	100
59) Bromobenzene	8.65	156	26678	9.774	ppb	100
60) 1,3,5-Trimethylbenzene	8.93	105	62500	10.083	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	14592	9.456	ppb	100
62) 1,2,3-Trichloropropane	8.69	75	11389	9.800	ppb	100
63) 2-Chlorotoluene	8.84	91	44697	10.455	ppb	100
64) 4-Chlorotoluene	8.94	91	50632	9.901	ppb	100
65) tert-Butylbenzene	9.24	119	65059	9.944	ppb	100
66) 1,2,4-Trimethylbenzene	9.29	105	63780	10.059	ppb	100
67) sec-Butylbenzene	9.46	105	81446	10.101	ppb	100
68) p-Isopropyltoluene	9.60	119	80715	10.161	ppb	100
69) 1,3-Dichlorobenzene	9.55	146	48100	9.841	ppb	100
70) 1,4-Dichlorobenzene	9.64	146	46178	9.835	ppb	100
71) 1,2-Dichlorobenzene	10.01	146	45586	9.854	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.77	75	2383	8.857	ppb	100
73) 1,2,4-Trichlorobenzene	11.59	180	28749	9.358	ppb	100
74) Hexachlorobutadiene	11.77	225	18499	9.680	ppb	100
75) Naphthalene	11.83	128	55957	9.789	ppb	100
76) 1,2,3-Trichlorobenzene	12.07	180	26549	10.210	ppb	100

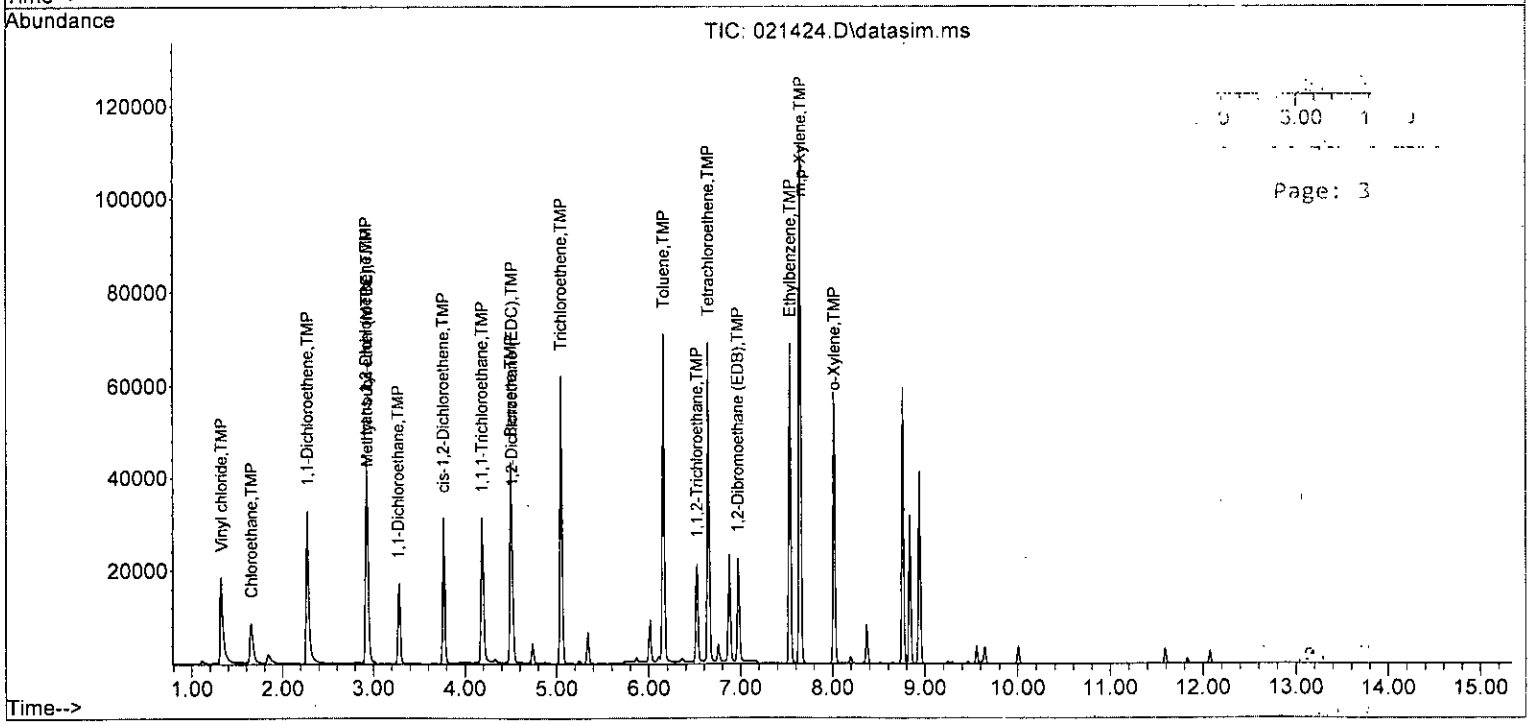
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.466	5.3	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.550	4.5	100	0.00
5	TMP	Chloromethane	10.000	8.855	11.4	100	0.00
6	TMP	Vinyl chloride	10.000	8.773	12.3	100	0.00
7	TMP	Bromomethane	10.000	9.160	8.4	100	0.00
8	TMP	Chloroethane	10.000	8.959	10.4	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.416	5.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	100	0.00
11	TMP	Acetone	50.000	47.265	5.5	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.432	5.7	100	0.00
13	TMP	Hexane	10.000	9.202	8.0	100	0.00
14	TMP	Methylene chloride	10.000	9.512	4.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	45.166	9.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	9.175	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.177	8.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.417	5.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	9.300	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	8.742	12.6	100	0.00
21	TMP	2,2-Dichloropropane	10.000	8.379	16.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.299	7.0	100	0.00
23	TMP	Chloroform	10.000	9.324	6.8	100	0.00
24	TMP	2-Butanone (MEK)	50.000	47.917	4.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.200	8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.312	6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.224	7.8	100	0.00
28	TMP	1,1-Dichloropropene	10.000	9.033	9.7	100	0.00
29	TMP	Carbon tetrachloride	10.000	8.433	15.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.137	-1.4	100	0.00
31	TMP	Benzene	10.000	9.331	6.7	100	0.00
32	TMP	Trichloroethene	10.000	9.577	4.2	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.455	5.4	100	0.00
34	TMP	Bromodichloromethane	10.000	8.472	15.3	100	0.00
35	S	Toluene-d8	10.000	9.234	7.7	100	0.00
36	TMP	Dibromomethane	10.000	9.327	6.7	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	46.698	6.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.091	9.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.869	1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.517	4.8	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.811	1.9	100	0.00
43	TMP	2-Hexanone	50.000	48.513	3.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.415	5.9	100	0.00
45	TMP	Tetrachloroethene	10.000	9.891	1.1	100	0.00
46	TMP	Dibromochloromethane	10.000	9.492	5.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.622	3.8	100	0.00
48	TMP	Chlorobenzene	10.000	9.927	0.7	100	0.00
49	TMP	Ethylbenzene	10.000	9.960	0.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.825	1.8	100	0.00
51	TMP	m,p-Xylene	20.000	20.150	-0.7	100	0.00
52	TMP	o-Xylene	10.000	9.976	0.2	100	0.00
53	TMP	Styrene	10.000	9.848	1.5	100	0.00
54	TMP	Isopropylbenzene	10.000	9.763	2.4	100	0.00
55	TMP	Bromoform	10.000	9.426	5.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.085	-0.9	100	0.00
58	TMP	n-Propylbenzene	10.000	10.040	-0.4	100	0.00
59	TMP	Bromobenzene	10.000	9.774	2.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.083	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.456	5.4	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.800	2.0	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.455	-4.6	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.901	1.0	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.944	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.059	-0.6	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.101	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.161	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.841	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.835	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.854	1.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	8.857	11.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.358	6.4	100	0.00
74	TMP	Hexachlorobutadiene	10.000	9.680	3.2	100	0.00
75	TMP	Naphthalene	10.000	9.789	2.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.210	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.312	0.296	5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.697	4.5	100	0.00
5	TMP	Chloromethane	0.500	0.443	11.4	100	0.00
6	TMP	Vinyl chloride	0.532	0.486	8.6	100	0.00
7	TMP	Bromomethane	0.491	0.450	8.4	100	0.00
8	TMP	Chloroethane	0.247	0.242	2.0	100	0.00
9	TMP	Trichlorofluoromethane	1.319	1.242	5.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	100	0.00
11	TMP	Acetone	0.025	0.021	16.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.415	5.7	100	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.224	4.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.507	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.261	8.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.453#	5.8	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.304	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.244	5.4	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.209	11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.281	7.0	100	0.00
23	TMP	Chloroform	0.430	0.401	6.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.475#	7.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.264	12.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.403	7.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.265	9.6	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.432	6.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.063	-1.6	100	0.00
31	TMP	Benzene	0.876	0.790	9.8	100	0.00
32	TMP	Trichloroethene	0.338	0.301	10.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.282	6.0	100	0.00
35	S	Toluene-d8	0.931	0.860	7.6	100	0.00
36	TMP	Dibromomethane	0.171	0.160	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.277	10.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.698	8.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.199	2.0	100	0.00
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.320	5.9	100	0.00
45	TMP	Tetrachloroethene	0.452	0.425	6.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.415	5.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.318	3.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.960	0.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.271	4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.567	3.9	100	0.00
52	TMP	o-Xylene	0.566	0.544	3.9	100	0.00
53	TMP	Styrene	0.855	0.842	1.5	100	0.00
54	TMP	Isopropylbenzene	1.393	1.360	2.4	100	0.00
55	TMP	Bromoform	0.295	0.278	5.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.622	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.371	2.380	-0.4	100	0.00
59	TMP	Bromobenzene	0.857	0.838	2.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.962	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.458#	3.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.358#	1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.590	1.0	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.043	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.002	-0.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.534	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.450	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.431	1.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.075	10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.903	6.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.581	3.2	100	0.00
75	TMP	Naphthalene	1.920	1.757	8.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.834	3.0	100	0.00

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-127O
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	58597	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	53628	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30943	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	18841	10.298 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.00%		
30) 1,2-Dichloroethane-d4	4.45	102	3739	10.293 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%		
35) Toluene-d8	6.10	98	55939	10.253 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.50%		
57) 4-Bromofluorobenzene	8.51	95	18992	9.955 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.60%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	102	No Calib	
4) Dichlorodifluoromethane	1.11	85	87119	20.375 ppb	95
5) Chloromethane	1.25	50	55903	19.086 ppb	82
6] Vinyl chloride	1.32	62	60477	18.604 ppb	93
7) Bromomethane	1.57	94	54098	19.179 ppb	99
8] Chloroethane	1.65	64	30251	18.946 ppb	95
9) Trichlorofluoromethane	1.84	101	151884	19.644 ppb	94
10) 2-Propanol	2.32	45	102	No Calib #	
11) Acetone	2.33	58	13535	102.680 ppb	94
12] 1,1-Dichloroethene	2.27	96	50491	19.574 ppb	92
13) Hexane	3.16	57	26477	19.599 ppb	99
14) Methylene chloride	2.68	84	26469	18.927 ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	11527	94.869 ppb	91
16] Methyl t-butyl ether (...	2.93	73	63527	19.636 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	32474	19.493 ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	56769	20.131 ppb	99
19] 1,1-Dichloroethane	3.27	63	38129	19.907 ppb	98
20) Ethyl t-butyl ether (E...	3.65	87	31111	18.862 ppb	98
21) 2,2-Dichloropropane	3.76	77	24871	16.939 ppb	100
22] cis-1,2-Dichloroethene	3.77	96	34785	19.667 ppb	96
23) Chloroform	4.04	83	49291	19.579 ppb	100
24) 2-Butanone (MEK)	3.79	43	53391	102.284 ppb	98
25) t-Amyl methyl ether (T...	4.61	73	60362	19.954 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	32697	19.740 ppb	98
27] 1,1,1-Trichloroethane	4.19	97	51388	20.090 ppb	98
28) 1,1-Dichloropropene	4.33	75	32984	19.192 ppb	98
29) Carbon tetrachloride	4.33	117	55186	18.211 ppb	93
31] Benzene	4.50	78	99112	19.979 ppb	98
32] Trichloroethene	5.05	95	36974	20.112 ppb	94
33) 1,2-Dichloropropane	5.24	63	20708	20.440 ppb	99
34) Bromodichloromethane	5.48	83	35991	18.399 ppb	98
36) Dibromomethane	5.34	93	20036	19.943 ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

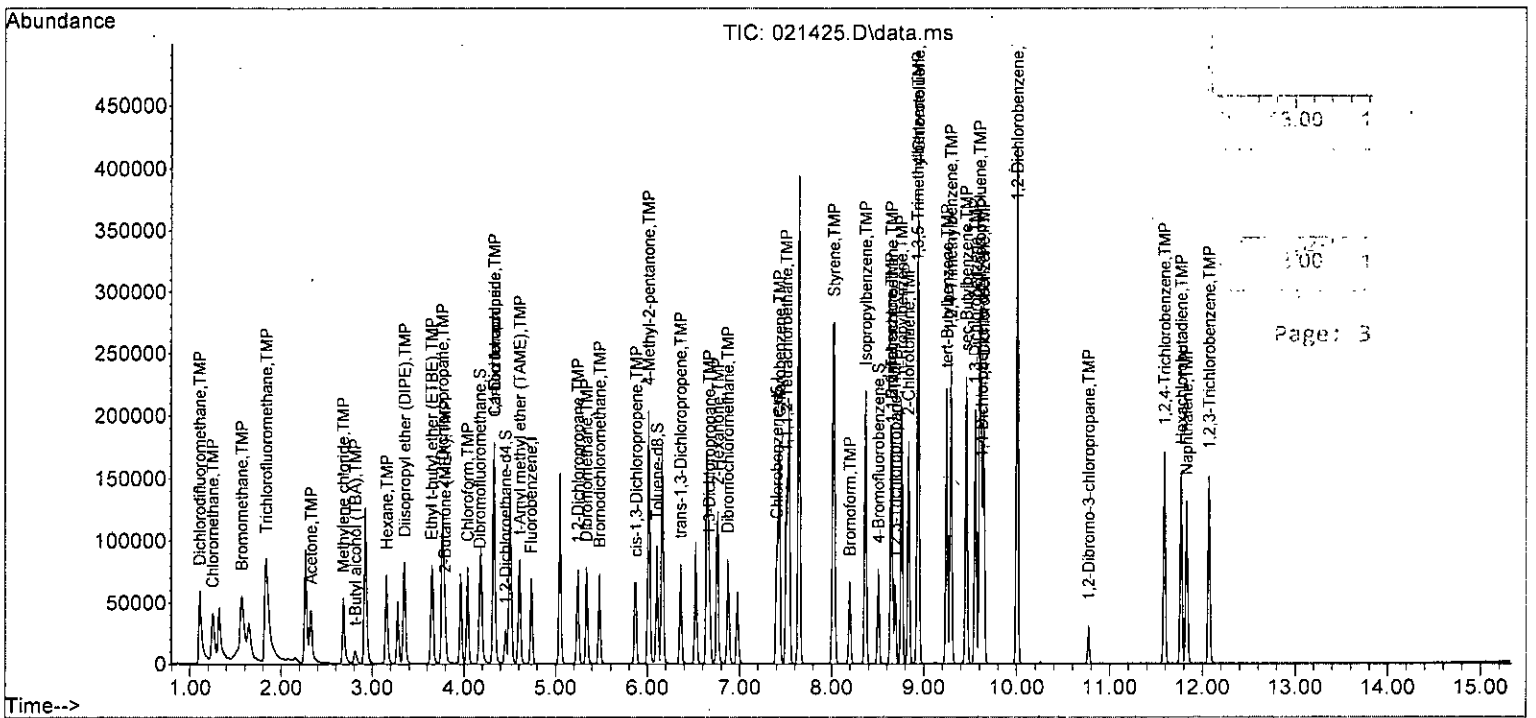
Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

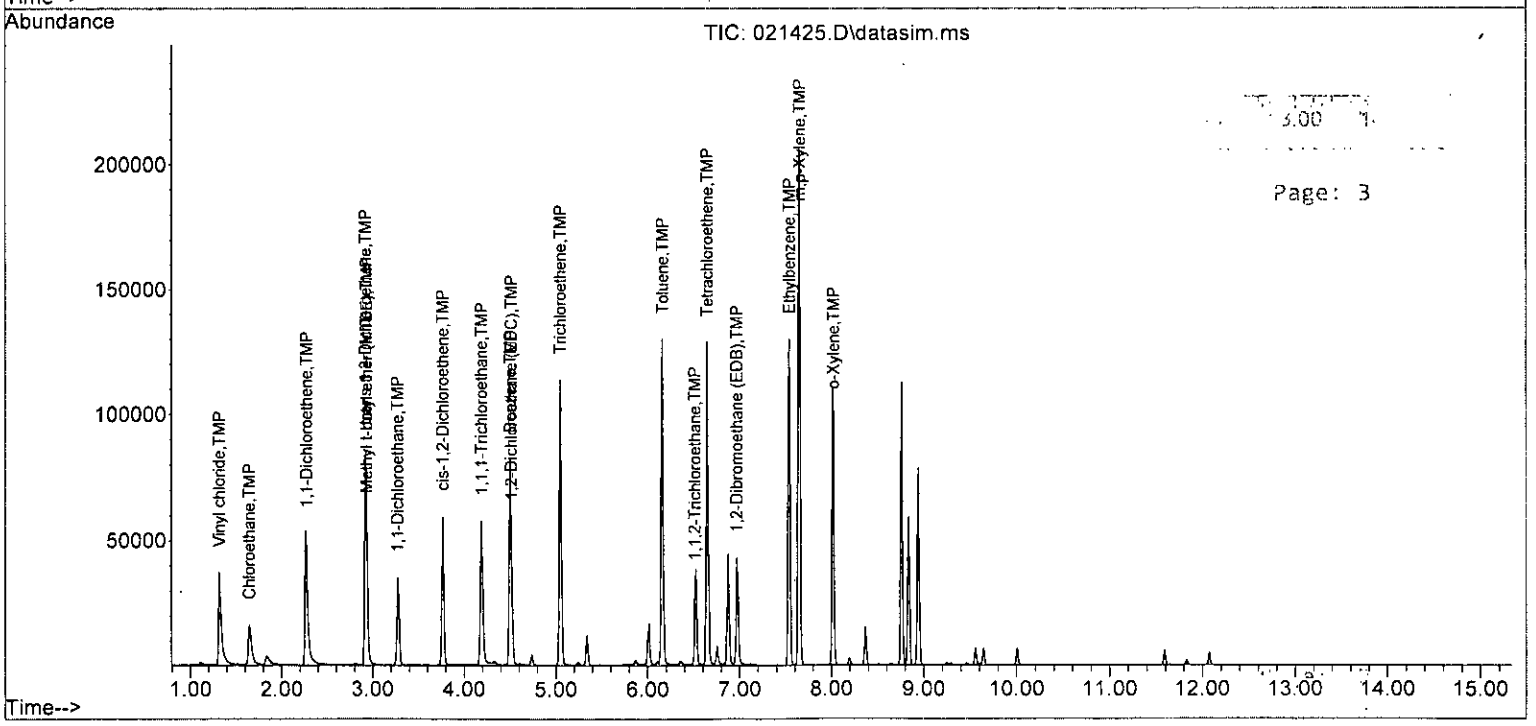
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	25326	100.585	ppb		97
38) cis-1,3-Dichloropropene	5.88	75	35335	19.463	ppb		96
40] Toluene	6.16	92	73714	19.450	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	32195	18.979	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	21006	19.309	ppb	#	68
43) 2-Hexanone	6.76	43	75783	97.886	ppb		98
44) 1,3-Dichloropropane	6.67	76	34468	18.911	ppb		92
45] Tetrachloroethene	6.65	164	44334	19.235	ppb		100
46) Dibromochloromethane	6.87	129	45917	19.589	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	34052	19.189	ppb		99
48) Chlorobenzene	7.43	112	100905	19.458	ppb		98
49] Ethylbenzene	7.54	91	134691	19.684	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	41145	19.627	ppb		97
51] m,p-Xylene	7.65	106	118356	39.246	ppb		100
52] o-Xylene	8.02	106	57092	19.514	ppb		100
53) Styrene	8.03	104	88950	19.406	ppb		100
54) Isopropylbenzene	8.37	105	144454	19.341	ppb		99
55) Bromoform	8.20	173	30154	19.092	ppb		94
58) n-Propylbenzene	8.76	91	143080	19.503	ppb		100
59) Bromobenzene	8.65	156	49994	18.853	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	118379	19.658	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	28029	18.665	ppb		98
62) 1,2,3-Trichloropropane	8.69	75	21504	19.048	ppb		99
63) 2-Chlorotoluene	8.84	91	82677	19.961	ppb		100
64) 4-Chlorotoluene	8.94	91	95872	19.298	ppb		98
65) tert-Butylbenzene	9.25	119	121675	19.144	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	121715	19.760	ppb		100
67) sec-Butylbenzene	9.46	105	151045	19.283	ppb		99
68) p-Isopropyltoluene	9.60	119	151930	19.688	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	90111	18.978	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	86045	18.863	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	85599	19.047	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	4881	18.675	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	55702	18.663	ppb		99
74) Hexachlorobutadiene	11.77	225	34142	18.391	ppb		95
75) Naphthalene	11.83	128	111952	19.681	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	50598	19.677	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
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Quant Time: Feb 15 10:49:01 2023
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.298	-3.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.375	-1.9	100	0.00
5	TMP	Chloromethane	20.000	19.086	4.6	100	0.00
6	TMP	Vinyl chloride	20.000	18.604	7.0	100	-0.01
7	TMP	Bromomethane	20.000	19.179	4.1	100	0.00
8	TMP	Chloroethane	20.000	18.946	5.3	100	-0.01
9	TMP	Trichlorofluoromethane	20.000	19.644	1.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	100.000	102.680	-2.7	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.574	2.1	100	0.00
13	TMP	Hexane	20.000	19.599	2.0	100	0.00
14	TMP	Methylene chloride	20.000	18.927	5.4	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	100.000	94.869	5.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.636	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.493	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	20.131	-0.7	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.907	0.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	18.862	5.7	100	-0.01
21	TMP	2,2-Dichloropropane	20.000	16.939	15.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	19.667	1.7	100	0.00
23	TMP	Chloroform	20.000	19.579	2.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	102.284	-2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	19.954	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	19.740	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.090	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.192	4.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	18.211	8.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.293	-2.9	100	0.00
31	TMP	Benzene	20.000	19.979	0.1	100	0.00
32	TMP	Trichloroethene	20.000	20.112	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	20.000	20.440	-2.2	100	0.00
34	TMP	Bromodichloromethane	20.000	18.399	8.0	100	0.00
35	S	Toluene-d8	10.000	10.253	-2.5	100	0.00
36	TMP	Dibromomethane	20.000	19.943	0.3	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	100.585	-0.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	19.463	2.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	19.450	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	18.979	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	19.309	3.5	100	-0.01
43	TMP	2-Hexanone	100.000	97.886	2.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	18.911	5.4	100	0.00
45	TMP	Tetrachloroethene	20.000	19.235	3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	19.589	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	19.189	4.1	100	0.00
48	TMP	Chlorobenzene	20.000	19.458	2.7	100	0.00
49	TMP	Ethylbenzene	20.000	19.684	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	19.627	1.9	100	0.00
51	TMP	m,p-Xylene	40.000	39.246	1.9	100	0.00
52	TMP	o-Xylene	20.000	19.514	2.4	100	0.00
53	TMP	Styrene	20.000	19.406	3.0	100	0.00
54	TMP	Isopropylbenzene	20.000	19.341	3.3	100	0.00
55	TMP	Bromoform	20.000	19.092	4.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.955	0.4	100	0.00
58	TMP	n-Propylbenzene	20.000	19.503	2.5	100	0.00
59	TMP	Bromobenzene	20.000	18.853	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.658	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	18.665	6.7	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	19.048	4.8	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.961	0.2	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.298	3.5	100	0.00
65	TMP	tert-Butylbenzene	20.000	19.144	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.760	1.2	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.283	3.6	100	0.00
68	TMP	p-Isopropyltoluene	20.000	19.688	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	18.978	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	18.863	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.047	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	18.675	6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	20.000	18.663	6.7	100	0.00
74	TMP	Hexachlorobutadiene	20.000	18.391	8.0	100	0.00
75	TMP	Naphthalene	20.000	19.681	1.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	19.677	1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.743	-1.8	100	0.00
5	TMP	Chloromethane	0.500	0.477	4.6	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	100	-0.01
7	TMP	Bromomethane	0.491	0.462	5.9	100	0.00
8	TMP	Chloroethane	0.247	0.258	-4.5	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.296	1.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.431	2.0	100	0.00
13	TMP	Hexane	0.231	0.226	2.2	100	0.00
14	TMP	Methylene chloride	0.235	0.226	3.8	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.277	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.484#	-0.6	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.325	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.265	-2.7	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.212	9.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.297	1.7	100	0.00
23	TMP	Chloroform	0.430	0.421	2.1	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.091	-2.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.515	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.279	7.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.281	4.1	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.471	-1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.846	3.4	100	0.00
32	TMP	Trichloroethene	0.338	0.315	6.8	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.177	-2.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.307	-2.3	100	0.00
35	S	Toluene-d8	0.931	0.955	-2.6	100	0.00
36	TMP	Dibromomethane	0.171	0.171	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.043	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.302	2.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.687	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.300	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.141	2.1	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.321	5.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.413	8.6	100	0.00
46	TMP	Dibromochloromethane	0.437	0.428	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.317	4.2	100	0.00
48	TMP	Chlorobenzene	0.967	0.941	2.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.256	5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.552	6.4	100	0.00
52	TMP	o-Xylene	0.566	0.532	6.0	100	0.00
53	TMP	Styrene	0.855	0.829	3.0	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.281	4.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.614	0.5	100	0.00
58	TMP	n-Propylbenzene	2.371	2.312	2.5	100	0.00
59	TMP	Bromobenzene	0.857	0.808	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.913	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.453#	4.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.347#	4.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.336	4.5	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.549	3.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.966	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.967	1.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.441	3.6	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.455	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.456	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.390	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.383	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75	TMP	Naphthalene	1.920	1.809	5.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.818	4.9	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.454	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	54.612	-9.2	100	-0.01
5	TMP	Chloromethane	50.000	52.293	-4.6	100	-0.01
6	TMP	Vinyl chloride	50.000	50.133	-0.3	100	-0.01
7	TMP	Bromomethane	50.000	50.209	-0.4	100	-0.01
8	TMP	Chloroethane	50.000	49.683	0.6	100	-0.02
9	TMP	Trichlorofluoromethane	50.000	53.003	-6.0	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	250.000	258.870	-3.5	100	-0.01
12	TMP	1,1-Dichloroethene	50.000	51.159	-2.3	100	-0.01
13	TMP	Hexane	50.000	51.395	-2.8	100	0.00
14	TMP	Methylene chloride	50.000	50.030	-0.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	250.000	264.435	-5.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	50.000	51.859	-3.7	100	-0.01
17	TMP	trans-1,2-Dichloroethene	50.000	51.212	-2.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	50.000	52.885	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	50.000	52.342	-4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	49.899	0.2	100	-0.01
21	TMP	2,2-Dichloropropane	50.000	53.281	-6.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.281	-2.6	100	0.00
23	TMP	Chloroform	50.000	51.629	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	250.000	269.929	-8.0	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.645	-5.3	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	50.000	51.399	-2.8	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	53.236	-6.5	100	0.00
28	TMP	1,1-Dichloropropene	50.000	51.064	-2.1	100	-0.01
29	TMP	Carbon tetrachloride	50.000	49.313	1.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.060	-0.6	100	0.00
31	TMP	Benzene	50.000	52.504	-5.0	100	0.00
32	TMP	Trichloroethene	50.000	52.819	-5.6	100	-0.01
33	TMP	1,2-Dichloropropane	50.000	52.719	-5.4	100	0.00
34	TMP	Bromodichloromethane	50.000	48.971	2.1	100	0.00
35	S	Toluene-d8	10.000	10.639	-6.4	100	0.00
36	TMP	Dibromomethane	50.000	53.775	-7.5	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	274.451	-9.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	53.111	-6.2	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	49.735	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	52.173	-4.3	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.507	1.0	100	-0.01
43	TMP	2-Hexanone	250.000	248.588	0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	48.099	3.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.002	2.0	100	0.00
46	TMP	Dibromochloromethane	50.000	50.981	-2.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	48.741	2.5	100	0.00
48	TMP	Chlorobenzene	50.000	49.970	0.1	100	0.00
49	TMP	Ethylbenzene	50.000	49.687	0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.065	-2.1	100	0.00
51	TMP	m,p-Xylene	100.000	98.445	1.6	100	0.00
52	TMP	o-Xylene	50.000	49.280	1.4	100	0.00
53	TMP	Styrene	50.000	49.718	0.6	100	0.00
54	TMP	Isopropylbenzene	50.000	49.622	0.8	100	0.00
55	TMP	Bromoform	50.000	51.722	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.535	4.6	100	0.00
58	TMP	n-Propylbenzene	50.000	49.558	0.9	100	0.00
59	TMP	Bromobenzene	50.000	48.940	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	50.030	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	48.480	3.0	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	48.335	3.3	100	0.00
63	TMP	2-Chlorotoluene	50.000	50.560	-1.1	100	0.00
64	TMP	4-Chlorotoluene	50.000	48.844	2.3	100	0.00
65	TMP	tert-Butylbenzene	50.000	49.700	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	50.910	-1.8	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.501	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.711	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.209	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	49.359	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	49.662	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.530	0.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	52.501	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	49.681	0.6	100	0.00
75	TMP	Naphthalene	50.000	52.317	-4.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.939	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.326	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.797	-9.2	100	-0.01
5	TMP	Chloromethane	0.500	0.523	-4.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.556	-4.5	100	-0.01
7	TMP	Bromomethane	0.491	0.478	2.6	100	-0.01
8	TMP	Chloroethane	0.247	0.272	-10.1	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.399	-6.1	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.450	-2.3	100	-0.01
13	TMP	Hexane	0.231	0.237	-2.6	100	0.00
14	TMP	Methylene chloride	0.235	0.241	-2.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.573	-3.8	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.291	-2.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.509	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.342	-4.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.282	-9.3	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.268	-14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.310	-2.6	100	0.00
23	TMP	Chloroform	0.430	0.444	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.096	-7.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.544	-5.4	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.290	3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.465	-6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.300	-2.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.513	-10.8	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.889	-1.5	100	0.00
32	TMP	Trichloroethene	0.338	0.331	2.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.182	-5.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.328	-9.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.184	-7.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.047	-9.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.344	-11.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.703	8.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.330	-4.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.201	1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.327	3.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.421	6.9	100	0.00
46	TMP	Dibromochloromethane	0.437	0.446	-2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.323	2.4	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.268	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.553	6.3	100	0.00
52	TMP	o-Xylene	0.566	0.538	4.9	100	0.00
53	TMP	Styrene	0.855	0.850	0.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.382	0.8	100	0.00
55	TMP	Bromoform	0.295	0.305	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.588	4.7	100	0.00
58	TMP	n-Propylbenzene	2.371	2.350	0.9	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.947	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.471#	0.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.353#	3.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.351	3.4	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.568	2.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.042	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.027	-1.8	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.579	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.455	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.443	0.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.084	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.013	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.596	0.7	100	0.00
75	TMP	Naphthalene	1.920	2.072	-7.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.913	-6.2	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	54707	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	52254	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30340	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17856	10.454 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.50%		
30) 1,2-Dichloroethane-d4	4.45	102	3412	10.060 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.60%		
35) Toluene-d8	6.11	98	54194	10.639 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.40%		
57) 4-Bromofluorobenzene	8.51	95	17837	9.535 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 95.40%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	439	No Calib	
4) Dichlorodifluoromethane	1.10	85	218007	54.612 ppb	98
5) Chloromethane	1.24	50	142999	52.293 ppb	89
6] Vinyl chloride	1.32	62	152180	50.133 ppb	99
7) Bromomethane	1.56	94	130756	50.209 ppb	98
8] Chloroethane	1.64	64	74361	49.683 ppb	93
9) Trichlorofluoromethane	1.83	101	382601	53.003 ppb	95
10) 2-Propanol	2.32	45	439	No Calib	
11) Acetone	2.32	58	32550	258.870 ppb	100
12] 1,1-Dichloroethene	2.26	96	123203	51.159 ppb	95
13) Hexane	3.16	57	64822	51.395 ppb	97
14) Methylene chloride	2.68	84	65903	50.030 ppb	96
15) t-Butyl alcohol (TBA)	2.81	59	29997	264.435 ppb	95
16] Methyl t-butyl ether (...	2.92	73	156637	51.859 ppb	99
17] trans-1,2-Dichloroethene	2.91	96	79654	51.212 ppb	94
18) Diisopropyl ether (DIPE)	3.34	45	139234	52.885 ppb	98
19] 1,1-Dichloroethane	3.27	63	93598	52.342 ppb	93
20) Ethyl t-butyl ether (E...	3.65	87	77118	49.899 ppb	98
21) 2,2-Dichloropropane	3.76	77	73284	53.281 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	84678	51.281 ppb	91
23) Chloroform	4.04	83	121347	51.629 ppb	97
24) 2-Butanone (MEK)	3.78	43	131546	269.929 ppb	100
25) t-Amyl methyl ether (T...	4.60	73	148684	52.645 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	79434	51.399 ppb	96
27] 1,1,1-Trichloroethane	4.19	97	127129	53.236 ppb	94
28) 1,1-Dichloropropene	4.32	75	81936	51.064 ppb	96
29) Carbon tetrachloride	4.32	117	140188	49.313 ppb	98
31] Benzene	4.50	78	243137	52.504 ppb	97
32] Trichloroethene	5.04	95	90626	52.819 ppb #	75
33) 1,2-Dichloropropane	5.24	63	49865	52.719 ppb	99
34) Bromodichloromethane	5.48	83	89640	48.971 ppb	100
36) Dibromomethane	5.34	93	50438	53.775 ppb	97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

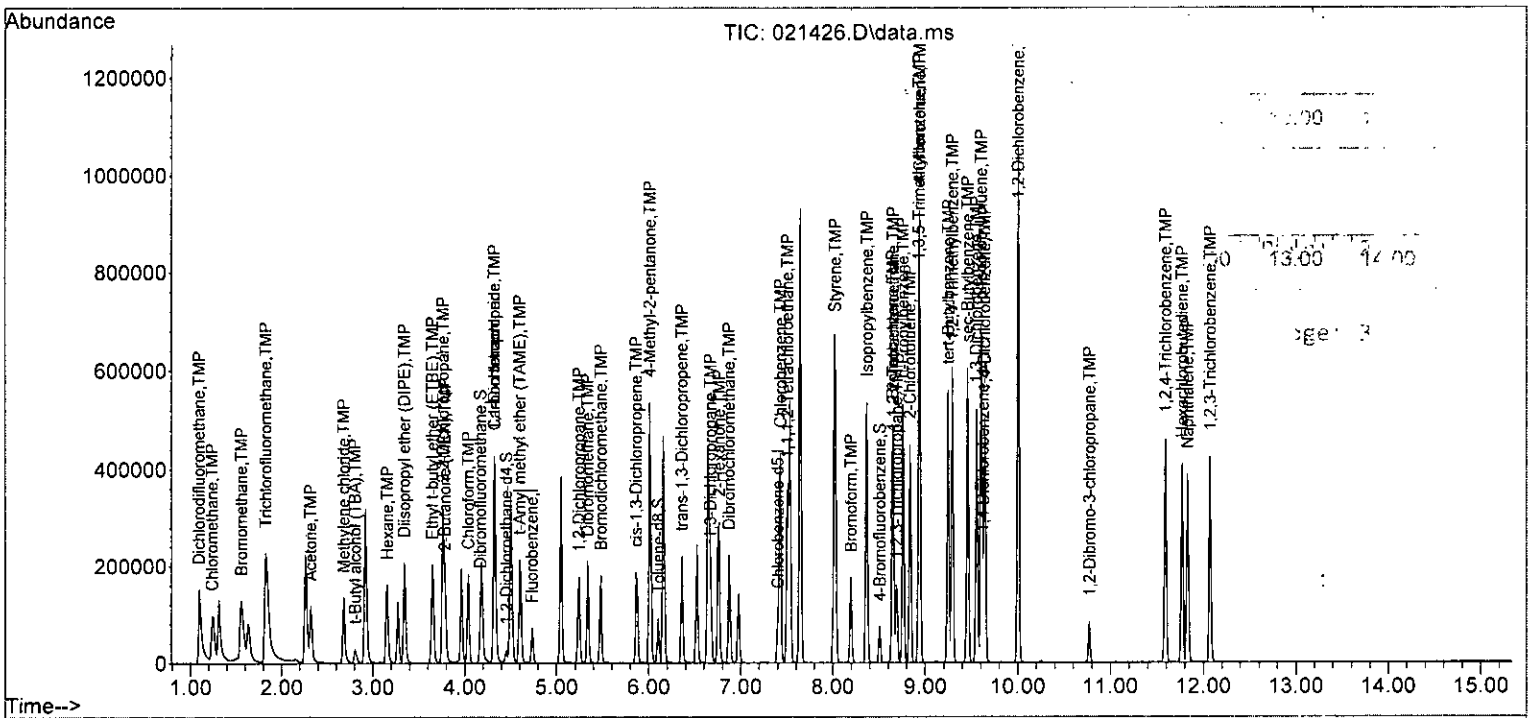
Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

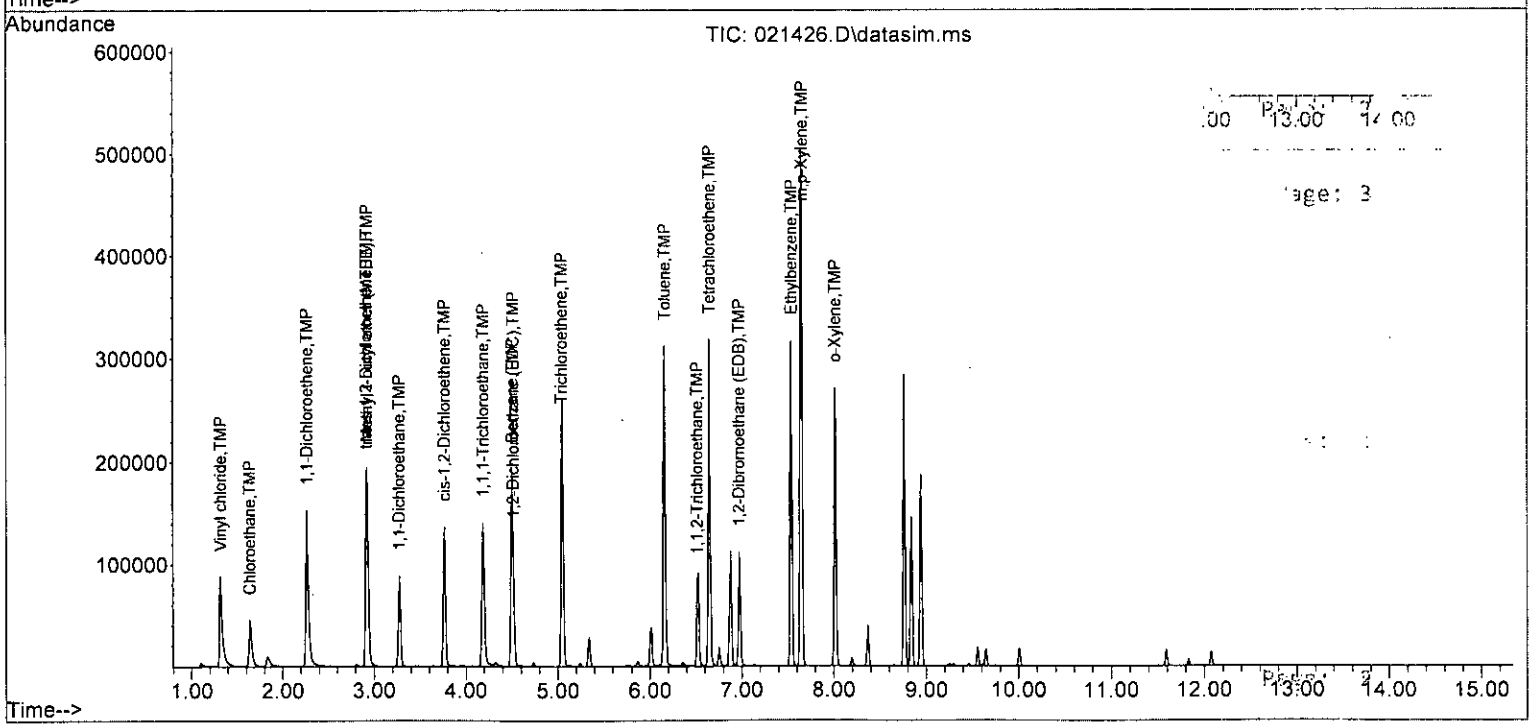
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	64516	274.451	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	94029	53.111	ppb		94
40] Toluene	6.16	92	183592	49.735	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	86237	52.173	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	52478	49.507	ppb	#	70
43) 2-Hexanone	6.76	43	187524	248.588	ppb		96
44) 1,3-Dichloropropane	6.67	76	85420	48.099	ppb		93
45] Tetrachloroethene	6.65	164	110024	49.002	ppb		98
46) Dibromochloromethane	6.87	129	116441	50.981	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	84279	48.741	ppb		98
48) Chlorobenzene	7.43	112	252495	49.970	ppb		97
49] Ethylbenzene	7.54	91	331213	49.687	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	104306	51.065	ppb		99
51] m,p-Xylene	7.65	106	289211	98.445	ppb		98
52] o-Xylene	8.01	106	140463	49.280	ppb	#	76
53) Styrene	8.03	104	222053	49.718	ppb		100
54) Isopropylbenzene	8.37	105	361128	49.622	ppb		98
55) Bromoform	8.20	173	79596	51.722	ppb		93
58) n-Propylbenzene	8.76	91	356480	49.558	ppb		99
59) Bromobenzene	8.65	156	127247	48.940	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	295398	50.030	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	71464	48.480	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	53504	48.335	ppb		97
63) 2-Chlorotoluene	8.84	91	204968	50.560	ppb		99
64) 4-Chlorotoluene	8.94	91	237931	48.844	ppb		99
65) tert-Butylbenzene	9.25	119	309718	49.700	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	307480	50.910	ppb		99
67) sec-Butylbenzene	9.46	105	387860	50.501	ppb		100
68) p-Isopropyltoluene	9.60	119	391269	51.711	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	229101	49.209	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	220763	49.359	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	218840	49.662	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	12693	49.530	ppb		98
73) 1,2,4-Trichlorobenzene	11.59	180	153637	52.501	ppb		98
74) Hexachlorobutadiene	11.77	225	90435	49.681	ppb		97
75) Naphthalene	11.83	128	314286	52.317	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	138480	51.939	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	53347	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	50610	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29761	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	17508	10.511	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%				
30) 1,2-Dichloroethane-d4	4.45	102	3465	10.477	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.80%				
35) Toluene-d8	6.11	98	52777	10.625	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.20%				
57) 4-Bromofluorobenzene	8.51	95	17765	9.682	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 96.80%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	574	No Calib			
4) Dichlorodifluoromethane	1.10	85	415346	106.698	ppb		97
5) Chloromethane	1.24	50	277263	103.976	ppb		90
6] Vinyl chloride	1.31	62	289351	97.746	ppb		94
7) Bromomethane	1.56	94	245839	97.131	ppb		96
8] Chloroethane	1.64	64	140393	96.078	ppb		97
9) Trichlorofluoromethane	1.83	101	766031	108.825	ppb		94
10) 2-Propanol	2.32	45	574	No Calib			
11) Acetone	2.32	58	60937	479.367	ppb		97
12] 1,1-Dichloroethene	2.26	96	232196	98.876	ppb		96
13) Hexane	3.15	57	127236	103.453	ppb		99
14) Methylene chloride	2.68	84	122887	95.423	ppb		98
15) t-Butyl alcohol (TBA)	2.81	59	57060	515.828	ppb		97
16] Methyl t-butyl ether (...	2.92	73	293438	99.628	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	149360	98.477	ppb		99
18) Diisopropyl ether (DIPE)	3.34	45	264918	103.189	ppb		98
19] 1,1-Dichloroethane	3.27	63	175346	100.557	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	145525	96.460	ppb		95
21) 2,2-Dichloropropane	3.76	77	139160	103.675	ppb		96
22] cis-1,2-Dichloroethene	3.76	96	157523	97.827	ppb		95
23) Chloroform	4.03	83	227768	99.378	ppb		98
24) 2-Butanone (MEK)	3.78	43	245161	515.889	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	280736	101.936	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	147492	97.888	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	240841	103.424	ppb		92
28) 1,1-Dichloropropene	4.32	75	157253	100.502	ppb		96
29) Carbon tetrachloride	4.32	117	265267	95.559	ppb		98
31] Benzene	4.50	78	453809	100.501	ppb		96
32] Trichloroethene	5.04	95	166729	99.662	ppb	#	80
33) 1,2-Dichloropropane	5.24	63	96004	104.086	ppb		100
34) Bromodichloromethane	5.48	83	172801	96.743	ppb		99
36) Dibromomethane	5.34	93	95167	104.050	ppb		95

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

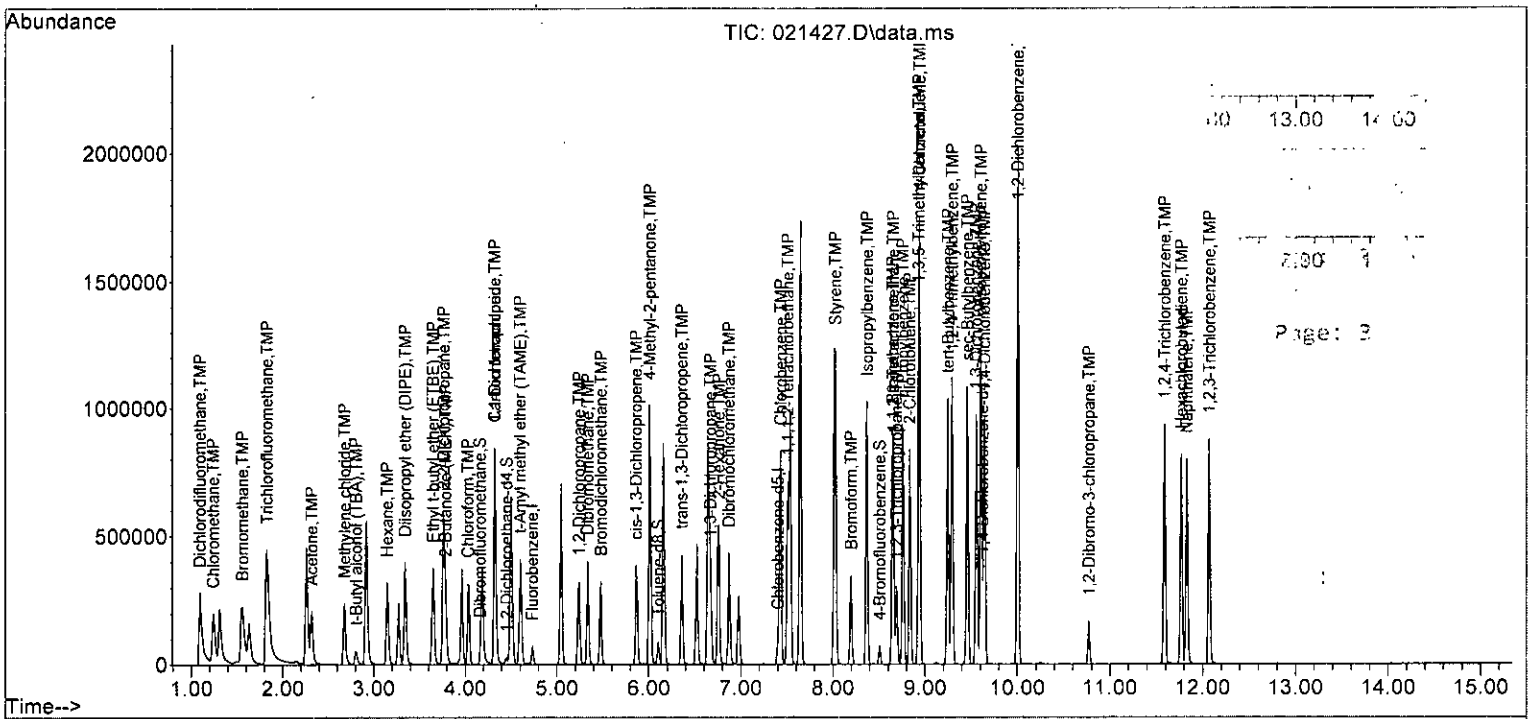
Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

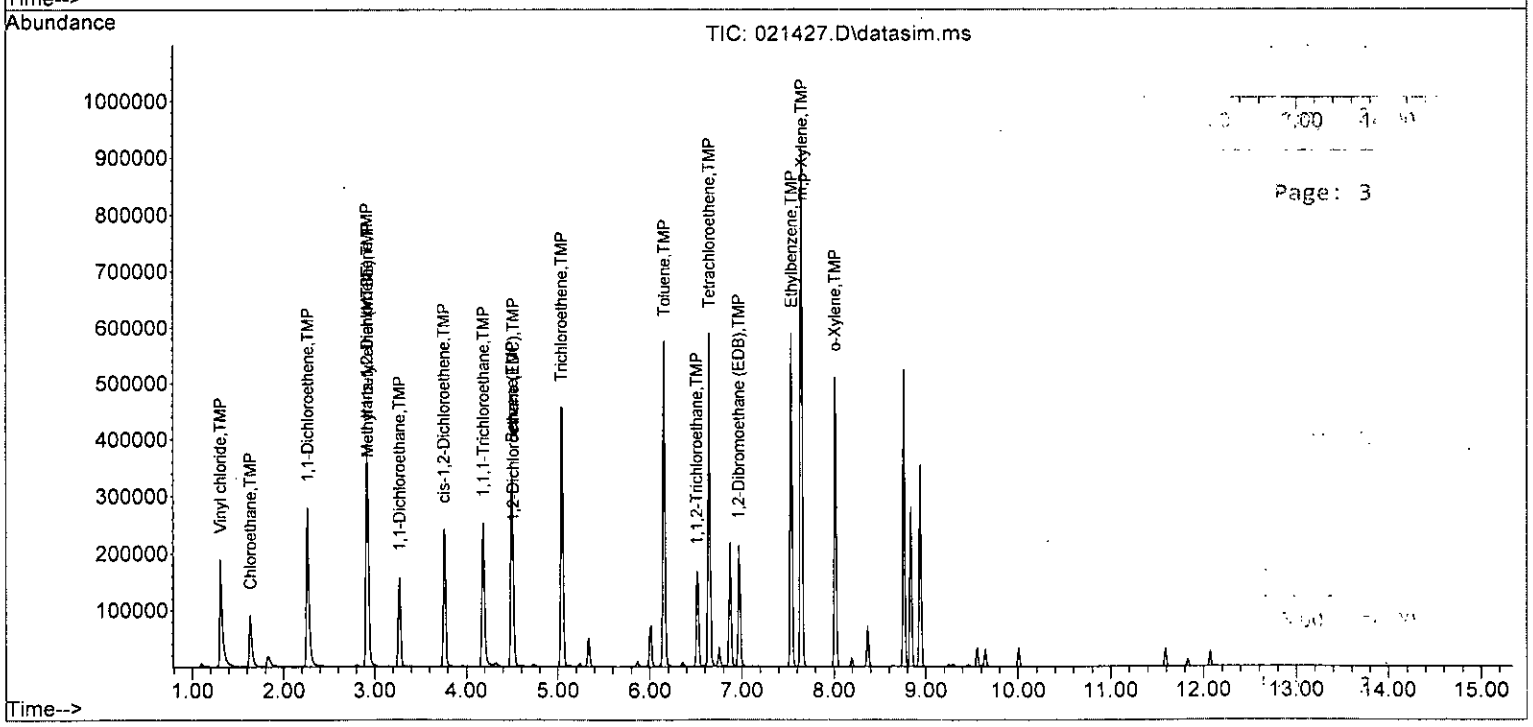
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	122539	534.571	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	185026	101.110	ppb		95
40] Toluene	6.16	92	347349	97.164	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	168879	105.490	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	99324	96.744	ppb	#	72
43) 2-Hexanone	6.76	43	354803	485.617	ppb		96
44) 1,3-Dichloropropane	6.67	76	163691	95.167	ppb		93
45] Tetrachloroethene	6.65	164	205436	94.476	ppb		98
46) Dibromochloromethane	6.87	129	228449	103.270	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	159930	95.496	ppb		98
48) Chlorobenzene	7.43	112	480943	98.273	ppb		98
49] Ethylbenzene	7.54	91	614637	95.205	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	202140	102.176	ppb		98
51] m,p-Xylene	7.65	106	535020	188.046	ppb		97
52] o-Xylene	8.01	106	263446	95.435	ppb		79
53) Styrene	8.03	104	416815	96.357	ppb		100
54) Isopropylbenzene	8.37	105	681722	96.717	ppb		98
55) Bromoform	8.20	173	158543	106.370	ppb		93
58) n-Propylbenzene	8.76	91	665395	94.303	ppb		100
59) Bromobenzene	8.65	156	241024	94.503	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	549727	94.916	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	136031	94.044	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	101767	93.725	ppb		97
63) 2-Chlorotoluene	8.84	91	376232	94.663	ppb		99
64) 4-Chlorotoluene	8.94	91	442117	92.526	ppb		98
65) tert-Butylbenzene	9.25	119	584622	95.638	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	581155	98.095	ppb		99
67) sec-Butylbenzene	9.46	105	731609	97.111	ppb		99
68) p-Isopropyltoluene	9.60	119	739297	99.608	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	439566	96.253	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	418616	95.417	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	420647	97.316	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	26115	103.886	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	310022	108.001	ppb		99
74) Hexachlorobutadiene	11.77	225	178694	100.077	ppb		97
75) Naphthalene	11.83	128	650358	99.958	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	281521	99.698	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.511	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	100.000	106.698	-6.7	100	-0.01
5	TMP	Chloromethane	100.000	103.976	-4.0	100	-0.01
6	TMP	Vinyl chloride	100.000	97.746	2.3	100	-0.02
7	TMP	Bromomethane	100.000	97.131	2.9	100	-0.01
8	TMP	Chloroethane	100.000	96.078	3.9	100	-0.02
9	TMP	Trichlorofluoromethane	100.000	108.825	-8.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	500.000	479.367	4.1	100	-0.01
12	TMP	1,1-Dichloroethene	100.000	98.876	1.1	100	-0.01
13	TMP	Hexane	100.000	103.453	-3.5	100	-0.01
14	TMP	Methylene chloride	100.000	95.423	4.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	500.000	515.828	-3.2	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.628	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	100.000	98.477	1.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	100.000	103.189	-3.2	100	-0.01
19	TMP	1,1-Dichloroethane	100.000	100.557	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	96.460	3.5	100	-0.01
21	TMP	2,2-Dichloropropane	100.000	103.675	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	97.827	2.2	100	-0.01
23	TMP	Chloroform	100.000	99.378	0.6	100	-0.01
24	TMP	2-Butanone (MEK)	500.000	515.889	-3.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	100.000	101.936	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	100.000	97.888	2.1	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	103.424	-3.4	100	0.00
28	TMP	1,1-Dichloropropene	100.000	100.502	-0.5	100	-0.01
29	TMP	Carbon tetrachloride	100.000	95.559	4.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.477	-4.8	100	0.00
31	TMP	Benzene	100.000	100.501	-0.5	100	0.00
32	TMP	Trichloroethene	100.000	99.662	0.3	100	-0.01
33	TMP	1,2-Dichloropropane	100.000	104.086	-4.1	100	0.00
34	TMP	Bromodichloromethane	100.000	96.743	3.3	100	0.00
35	S	Toluene-d8	10.000	10.625	-6.3	100	0.00
36	TMP	Dibromomethane	100.000	104.050	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	534.571	-6.9	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	101.110	-1.1	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	97.164	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	105.490	-5.5	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	96.744	3.3	100	-0.01
43	TMP	2-Hexanone	500.000	485.617	2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	95.167	4.8	100	0.00
45	TMP	Tetrachloroethene	100.000	94.476	5.5	100	0.00
46	TMP	Dibromochloromethane	100.000	103.270	-3.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	95.496	4.5	100	0.00
48	TMP	Chlorobenzene	100.000	98.273	1.7	100	0.00
49	TMP	Ethylbenzene	100.000	95.205	4.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	102.176	-2.2	100	0.00
51	TMP	m,p-Xylene	200.000	188.046	6.0	100	0.00
52	TMP	o-Xylene	100.000	95.435	4.6	100	0.00
53	TMP	Styrene	100.000	96.357	3.6	100	0.00
54	TMP	Isopropylbenzene	100.000	96.717	3.3	100	0.00
55	TMP	Bromoform	100.000	106.370	-6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.682	3.2	100	0.00
58	TMP	n-Propylbenzene	100.000	94.303	5.7	100	0.00
59	TMP	Bromobenzene	100.000	94.503	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	94.916	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	94.044	6.0	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	93.725	6.3	100	0.00
63	TMP	2-Chlorotoluene	100.000	94.663	5.3	100	0.00
64	TMP	4-Chlorotoluene	100.000	92.526	7.5	100	0.00
65	TMP	tert-Butylbenzene	100.000	95.638	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	98.095	1.9	100	0.00
67	TMP	sec-Butylbenzene	100.000	97.111	2.9	100	0.00
68	TMP	p-Isopropyltoluene	100.000	99.608	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	96.253	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	95.417	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	97.316	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	103.886	-3.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	108.001	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	100.000	100.077	-0.1	100	0.00
75	TMP	Naphthalene	100.000	99.958	0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	99.698	0.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.779	-6.7	100	-0.01
5	TMP	Chloromethane	0.500	0.520	-4.0	100	-0.01
6	TMP	Vinyl chloride	0.532	0.542	-1.9	100	-0.02
7	TMP	Bromomethane	0.491	0.461	6.1	100	-0.01
8	TMP	Chloroethane	0.247	0.263	-6.5	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.436	-8.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	100	-0.01
13	TMP	Hexane	0.231	0.239	-3.5	100	-0.01
14	TMP	Methylene chloride	0.235	0.230	2.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.550	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.497#	-3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.329	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.273	-5.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.261	-11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	-0.01
23	TMP	Chloroform	0.430	0.427	0.7	100	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.526	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.276	8.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.451	-3.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.295	-0.7	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.497	-7.3	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.851	2.9	100	0.00
32	TMP	Trichloroethene	0.338	0.313	7.4	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.324	-8.0	100	0.00
35	S	Toluene-d8	0.931	0.989	-6.2	100	0.00
36	TMP	Dibromomethane	0.171	0.178	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.347	-12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.686	10.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.334	-5.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.323	5.0	100	0.00
45	TMP	Tetrachloroethene	0.452	0.406	10.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.451	-3.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.316	4.5	100	0.00
48	TMP	Chlorobenzene	0.967	0.950	1.8	100	0.00
49	TMP	Ethylbenzene	1.331	1.214	8.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.529	10.3	100	0.00
52	TMP	o-Xylene	0.566	0.521	8.0	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.313	-6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.597	3.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.236	5.7	100	0.00
59	TMP	Bromobenzene	0.857	0.810	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.847	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.457#	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.342#	6.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.264	9.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.486	7.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.964	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.953	1.9	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.458	2.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.484	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.477	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.407	4.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.413	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.088	-4.8	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.042	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.600	0.0	100	0.00
75	TMP	Naphthalene	1.920	2.185	-13.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.946	-10.0	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	53199	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	49596	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28754	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17455	10.508 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%		
30) 1,2-Dichloroethane-d4	4.45	102	3459	10.488 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.90%		
35) Toluene-d8	6.11	98	52734	10.646 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.50%		
57) 4-Bromofluorobenzene	8.51	95	17560	9.905 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.10%		
Target Compounds					Qvalue
2) Ethanol	2.33	45	941	No Calib	
4) Dichlorodifluoromethane	1.11	85	606900	156.341 ppb	96
5) Chloromethane	1.25	50	402023	151.181 ppb	89
6] Vinyl chloride	1.32	62	424303	143.730 ppb	90
7) Bromomethane	1.57	94	367191	145.655 ppb	97
8] Chloroethane	1.65	64	212447	145.729 ppb	94
9) Trichlorofluoromethane	1.84	101	1124631	160.214 ppb	96
10) 2-Propanol	2.33	45	941	No Calib #	
11) Acetone	2.33	58	91851	699.089 ppb #	86
12] 1,1-Dichloroethene	2.27	96	346071	147.777 ppb	95
13) Hexane	3.16	57	182597	148.879 ppb	98
14) Methylene chloride	2.68	84	185963	144.665 ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	88181	799.383 ppb	98
16] Methyl t-butyl ether (...	2.93	73	432611	147.288 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	223108	147.510 ppb	96
18) Diisopropyl ether (DIPE)	3.35	45	390533	152.541 ppb	97
19] 1,1-Dichloroethane	3.27	63	261312	150.274 ppb	98
20) Ethyl t-butyl ether (E...	3.66	87	218922	145.458 ppb	94
21) 2,2-Dichloropropane	3.76	77	198640	148.363 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	235051	146.381 ppb	97
23) Chloroform	4.04	83	340148	148.823 ppb	99
24) 2-Butanone (MEK)	3.79	43	366706	773.801 ppb	96
25) t-Amyl methyl ether (T...	4.61	73	414213	150.820 ppb	98
26] 1,2-Dichloroethane (EDC)	4.52	62	217722	144.910 ppb	99
27] 1,1,1-Trichloroethane	4.19	97	363506	156.534 ppb	98
28) 1,1-Dichloropropene	4.33	75	236634	151.656 ppb	98
29) Carbon tetrachloride	4.33	117	405130	146.275 ppb	97
31] Benzene	4.50	78	676886	150.323 ppb	99
32] Trichloroethene	5.05	95	245746	147.309 ppb	98
33) 1,2-Dichloropropane	5.24	63	143269	155.763 ppb	99
34) Bromodichloromethane	5.48	83	259436	145.617 ppb	99
36) Dibromomethane	5.34	93	143179	156.979 ppb	98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

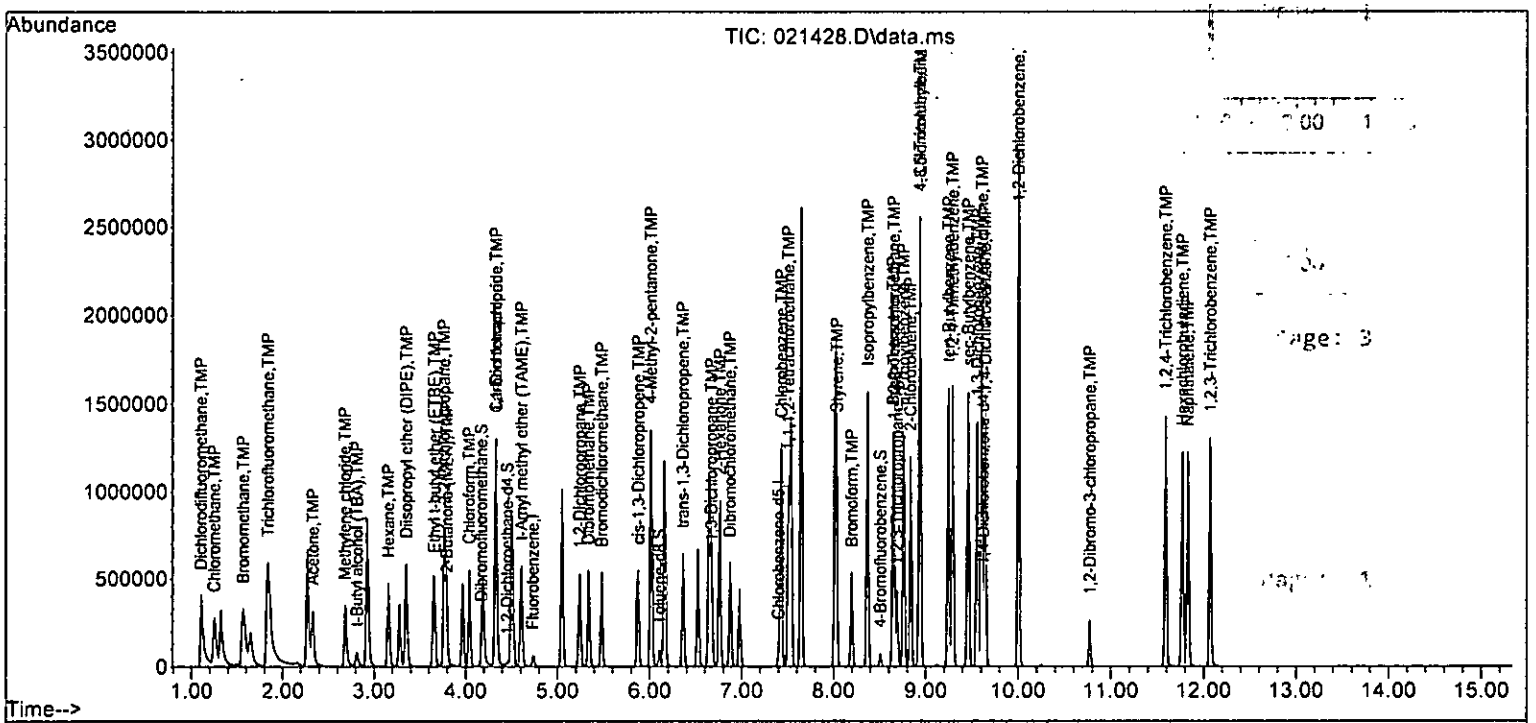
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	185189	810.126	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	279974	145.764	ppb	94
40] Toluene	6.16	92	515185	147.066	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	257127	163.898	ppb	99
42] 1,1,2-Trichloroethane	6.53	83	148535	147.635	ppb	99
43) 2-Hexanone	6.76	43	528092	737.574	ppb	96
44) 1,3-Dichloropropane	6.67	76	240712	142.807	ppb	94
45] Tetrachloroethene	6.65	164	306097	143.650	ppb	100
46) Dibromochloromethane	6.87	129	340099	156.884	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	237329	144.609	ppb	100
48) Chlorobenzene	7.43	112	720826	150.300	ppb	98
49] Ethylbenzene	7.54	91	904105	142.910	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	304304	156.962	ppb	99
51] m,p-Xylene	7.65	106	785409	281.703	ppb	99
52] o-Xylene	8.02	106	387120	143.107	ppb	98
53) Styrene	8.03	104	613324	144.684	ppb	94
54) Isopropylbenzene	8.37	105	1003749	145.315	ppb	99
55) Bromoform	8.20	173	240617	164.735	ppb	94
58) n-Propylbenzene	8.76	91	976871	143.296	ppb	99
59) Bromobenzene	8.65	156	361773	146.816	ppb	98
60) 1,3,5-Trimethylbenzene	8.94	105	805011	143.860	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.65	83	206884	148.017	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	151359	144.279	ppb	97
63) 2-Chlorotoluene	8.84	91	551814	143.734	ppb	100
64) 4-Chlorotoluene	8.94	91	648753	140.526	ppb	97
65) tert-Butylbenzene	9.25	119	862802	146.088	ppb	95
66) 1,2,4-Trimethylbenzene	9.29	105	860405	150.316	ppb	99
67) sec-Butylbenzene	9.46	105	1076201	147.854	ppb	99
68) p-Isopropyltoluene	9.61	119	1079674	150.562	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	649331	147.165	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	620255	146.328	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	623597	149.321	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	40124	165.205	ppb	93
73) 1,2,4-Trichlorobenzene	11.59	180	468157	168.802	ppb	98
74) Hexachlorobutadiene	11.77	225	264846	153.520	ppb	96
75) Naphthalene	11.83	128	1011118	147.122	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	428140	146.388	ppb	99

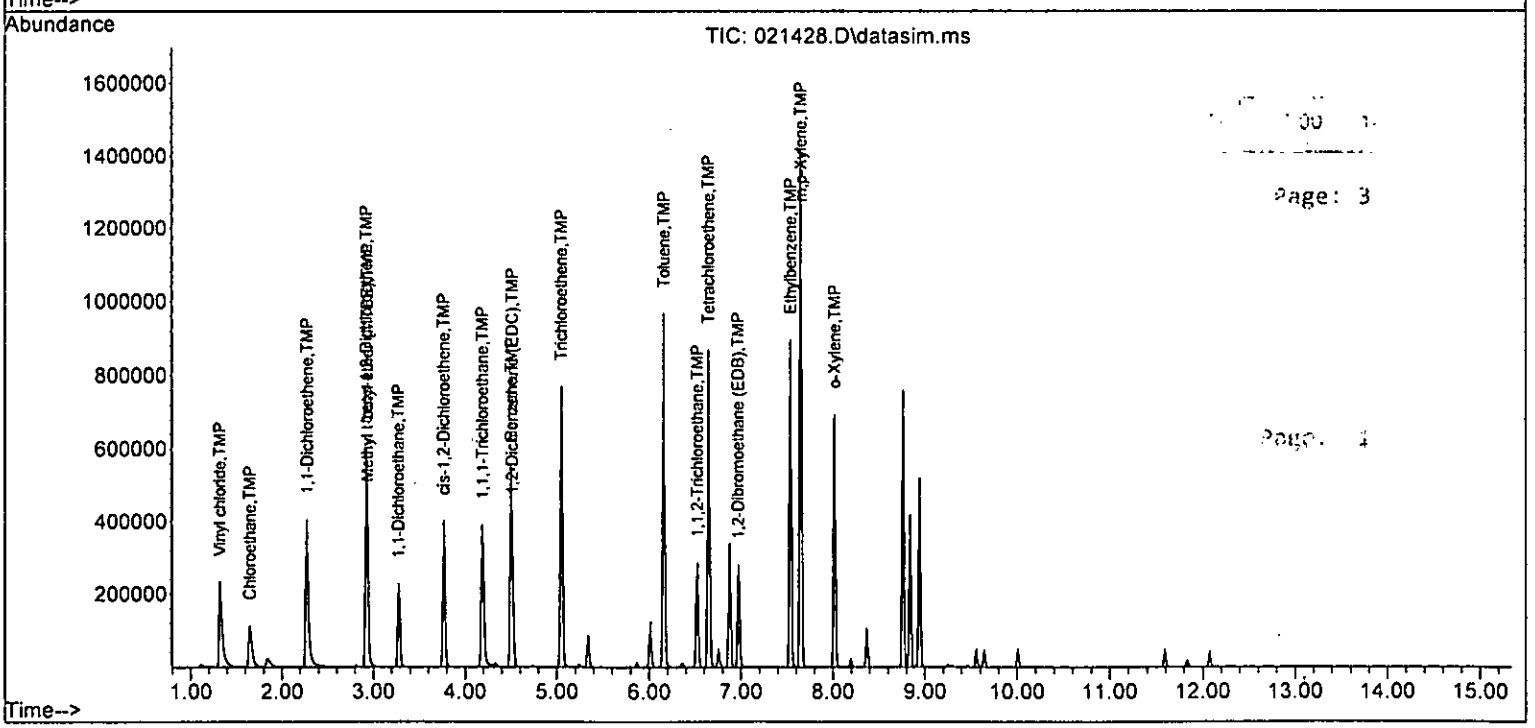
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.508	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	156.341	-4.2	100	0.00
5	TMP	Chloromethane	150.000	151.181	-0.8	100	0.00
6	TMP	Vinyl chloride	150.000	143.730	4.2	100	-0.01
7	TMP	Bromomethane	150.000	145.655	2.9	100	0.00
8	TMP	Chloroethane	150.000	145.729	2.8	100	-0.01
9	TMP	Trichlorofluoromethane	150.000	160.214	-6.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	750.000	699.089	6.8	100	0.00
12	TMP	1,1-Dichloroethene	150.000	147.777	1.5	100	0.00
13	TMP	Hexane	150.000	148.879	0.7	100	0.00
14	TMP	Methylene chloride	150.000	144.665	3.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	750.000	799.383	-6.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	147.288	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	147.510	1.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	152.541	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	150.000	150.274	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	145.458	3.0	100	0.00
21	TMP	2,2-Dichloropropane	150.000	148.363	1.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.381	2.4	100	0.00
23	TMP	Chloroform	150.000	148.823	0.8	100	0.00
24	TMP	2-Butanone (MEK)	750.000	773.801	-3.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	150.820	-0.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.910	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	156.534	-4.4	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.656	-1.1	100	0.00
29	TMP	Carbon tetrachloride	150.000	146.275	2.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.488	-4.9	100	0.00
31	TMP	Benzene	150.000	150.323	-0.2	100	0.00
32	TMP	Trichloroethene	150.000	147.309	1.8	100	0.00
33	TMP	1,2-Dichloropropane	150.000	155.763	-3.8	100	0.00
34	TMP	Bromodichloromethane	150.000	145.617	2.9	100	0.00
35	S	Toluene-d8	10.000	10.646	-6.5	100	0.00
36	TMP	Dibromomethane	150.000	156.979	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	810.126	-8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	145.764	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	147.066	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	163.898	-9.3	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	147.635	1.6	100	0.00
43	TMP	2-Hexanone	750.000	737.574	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	142.807	4.8	100	0.00
45	TMP	Tetrachloroethene	150.000	143.650	4.2	100	0.00
46	TMP	Dibromochloromethane	150.000	156.884	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	144.609	3.6	100	0.00
48	TMP	Chlorobenzene	150.000	150.300	-0.2	100	0.00
49	TMP	Ethylbenzene	150.000	142.910	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	156.962	-4.6	100	0.00
51	TMP	m,p-Xylene	300.000	281.703	6.1	100	0.00
52	TMP	o-Xylene	150.000	143.107	4.6	100	0.00
53	TMP	Styrene	150.000	144.684	3.5	100	0.00
54	TMP	Isopropylbenzene	150.000	145.315	3.1	100	0.00
55	TMP	Bromoform	150.000	164.735	-9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.905	1.0	100	0.00
58	TMP	n-Propylbenzene	150.000	143.296	4.5	100	0.00
59	TMP	Bromobenzene	150.000	146.816	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	143.860	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	148.017	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	144.279	3.8	100	0.00
63	TMP	2-Chlorotoluene	150.000	143.734	4.2	100	0.00
64	TMP	4-Chlorotoluene	150.000	140.526	6.3	100	0.00
65	TMP	tert-Butylbenzene	150.000	146.088	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	150.316	-0.2	100	0.00
67	TMP	sec-Butylbenzene	150.000	147.854	1.4	100	0.00
68	TMP	p-Isopropyltoluene	150.000	150.562	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	147.165	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	146.328	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	149.321	0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	165.205	-10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	168.802	-12.5	100	0.00
74	TMP	Hexachlorobutadiene	150.000	153.520	-2.3	100	0.00
75	TMP	Naphthalene	150.000	147.122	1.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	146.388	2.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.761	-4.2	100	0.00
5	TMP	Chloromethane	0.500	0.504	-0.8	100	0.00
6	TMP	Vinyl chloride	0.532	0.532	0.0	100	-0.01
7	TMP	Bromomethane	0.491	0.460	6.3	100	0.00
8	TMP	Chloroethane	0.247	0.266	-7.7	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.409	-6.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.434	1.4	100	0.00
13	TMP	Hexane	0.231	0.229	0.9	100	0.00
14	TMP	Methylene chloride	0.235	0.233	0.9	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.489#	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.327	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.249	-6.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	0.00
23	TMP	Chloroform	0.430	0.426	0.9	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.519	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.273	9.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.456	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.297	-1.4	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.508	-9.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.848	3.2	100	0.00
32	TMP	Trichloroethene	0.338	0.308	8.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.325	-8.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.351	-13.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.693	9.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.346	-9.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.200	1.5	100	0.00
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.324	4.7	100	0.00
45	TMP	Tetrachloroethene	0.452	0.411	9.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.457	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.969	-0.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.215	8.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.409	-4.6	100	0.00
51	TMP	m,p-Xylene	0.590	0.528	10.5	100	0.00
52	TMP	o-Xylene	0.566	0.520	8.1	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.349	3.2	100	0.00
55	TMP	Bromoform	0.295	0.323	-9.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.265	4.5	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.866	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.480#	-1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.351#	3.8	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.279	8.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.504	6.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.000	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.995	-0.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.495	1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.503	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.505	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.438	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.446	0.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.093	-10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.085	-12.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.614	-2.3	100	0.00
75	TMP	Naphthalene	1.920	2.344	-22.1#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.993	-15.5	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	52882	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49700	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28223	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	16908	10.240	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3372	10.286	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%			
35) Toluene-d8	6.11	98	51904	10.541	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 105.40%			
57) 4-Bromofluorobenzene	8.51	95	17256	9.917	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.20%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	1557	No Calib		
4) Dichlorodifluoromethane	1.11	85	876785	227.218	ppb	97
5) Chloromethane	1.25	50	593427	224.496	ppb	90
6] Vinyl chloride	1.32	62	621251	211.703	ppb	95
7) Bromomethane	1.57	94	522857	208.798	ppb	97
8] Chloroethane	1.65	64	306533	211.473	ppb	96
9) Trichlorofluoromethane	1.83	101	1629459	233.523	ppb	95
10) 2-Propanol	2.32	45	1557	No Calib	#	
11) Acetone	2.32	58	145963	1056.569	ppb	99
12] 1,1-Dichloroethene	2.26	96	498749	214.250	ppb	87
13) Hexane	3.16	57	276745	226.994	ppb	98
14) Methylene chloride	2.68	84	269930	211.120	ppb	94
15) t-Butyl alcohol (TBA)	2.81	59	131901	1202.884	ppb	98
16] Methyl t-butyl ether (...	2.93	73	620167	212.410	ppb	96
17] trans-1,2-Dichloroethene	2.92	96	323107	214.906	ppb	91
18) Diisopropyl ether (DIPE)	3.35	45	566858	222.740	ppb	97
19] 1,1-Dichloroethane	3.27	63	376878	218.033	ppb	96
20) Ethyl t-butyl ether (E...	3.65	87	315802	211.037	ppb	97
21) 2,2-Dichloropropane	3.76	77	266022	199.852	ppb	95
22] cis-1,2-Dichloroethene	3.77	96	336777	210.990	ppb	94
23) Chloroform	4.04	83	493979	217.424	ppb	97
24) 2-Butanone (MEK)	3.78	43	526141	1116.887	ppb	99
25) t-Amyl methyl ether (T...	4.60	73	599887	219.736	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	308742	206.731	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	520946	225.676	ppb	96
28) 1,1-Dichloropropene	4.33	75	341802	220.370	ppb	99
29) Carbon tetrachloride	4.33	117	586428	212.939	ppb	98
31] Benzene	4.50	78	971008	216.936	ppb	98
32] Trichloroethene	5.05	95	359907	217.040	ppb	94
33) 1,2-Dichloropropane	5.24	63	207017	226.419	ppb	99
34) Bromodichloromethane	5.48	83	376251	212.418	ppb	99
36) Dibromomethane	5.34	93	205485	226.641	ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

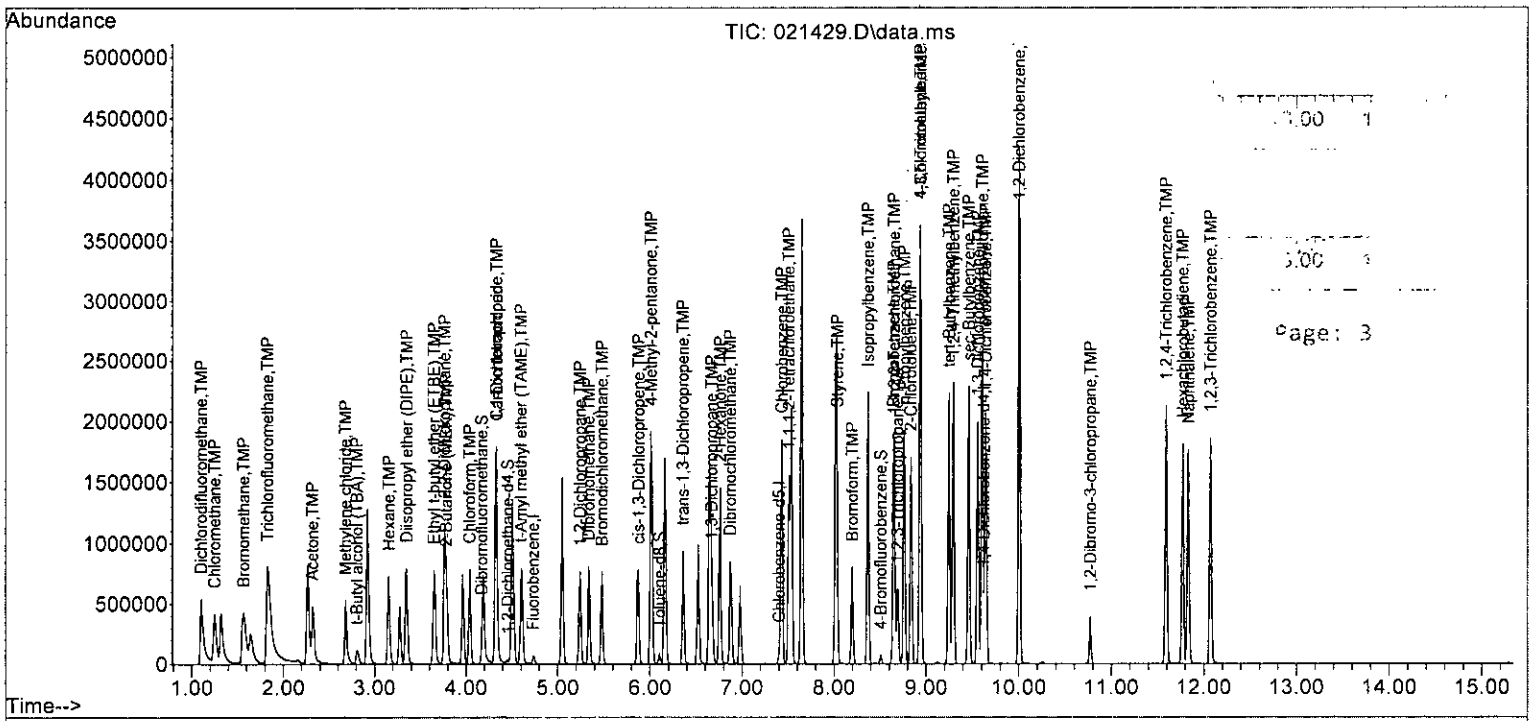
Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

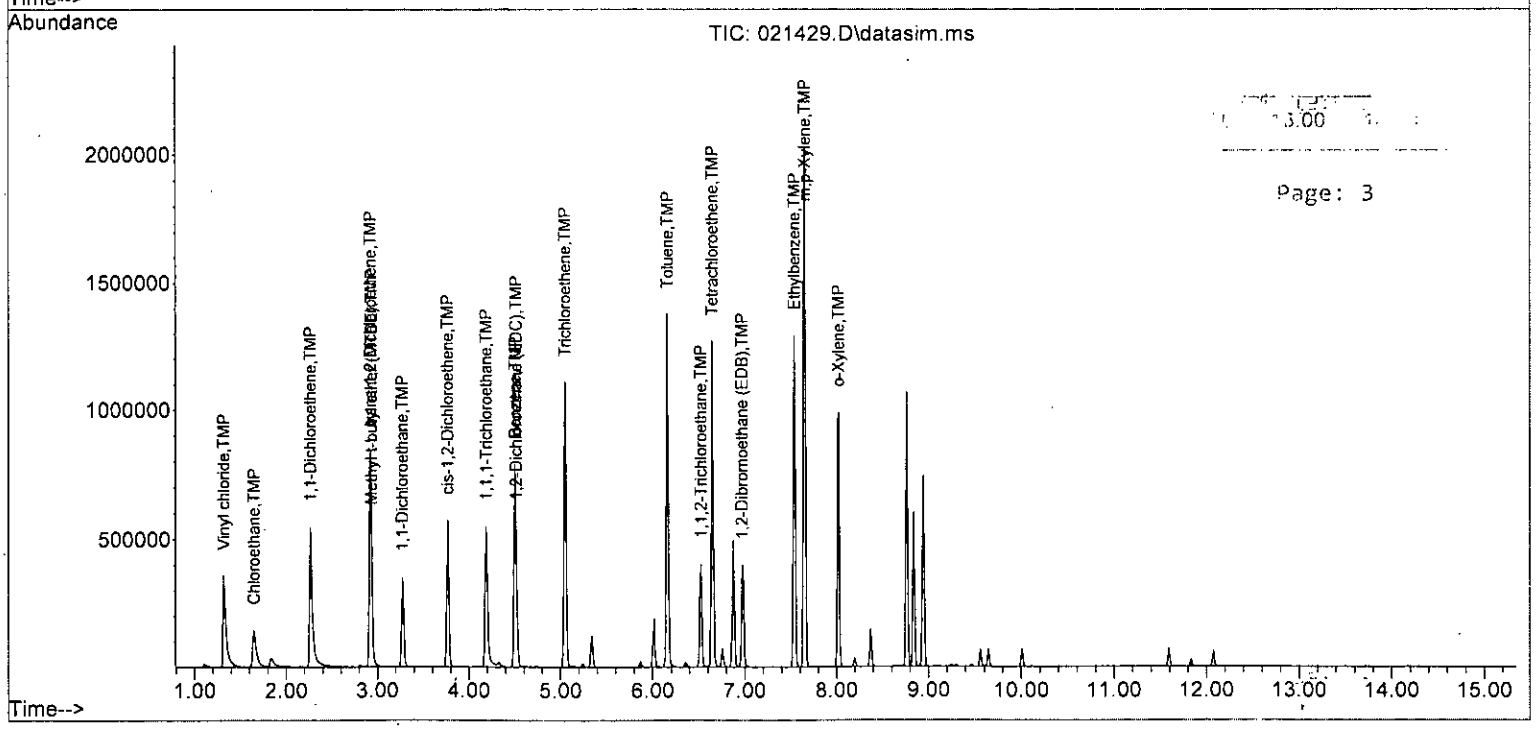
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	269630	1186.592	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	409715	201.924	ppb	93
40] Toluene	6.16	92	740229	210.871	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	375798	239.040	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	213780	212.039	ppb	97
43) 2-Hexanone	6.76	43	781091	1088.649	ppb	97
44) 1,3-Dichloropropane	6.67	76	346393	205.074	ppb	93
45] Tetrachloroethene	6.65	164	439934	206.031	ppb	99
46) Dibromochloromethane	6.87	129	498089	229.282	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	344313	209.357	ppb	100
48) Chlorobenzene	7.43	112	1033251	214.993	ppb	98
49] Ethylbenzene	7.54	91	1286267	202.894	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.51	131	443851	228.462	ppb	98
51] m,p-Xylene	7.65	106	1120262	400.971	ppb	99
52] o-Xylene	8.02	106	549011	202.532	ppb	98
53) Styrene	8.03	104	880911	207.373	ppb	93
54) Isopropylbenzene	8.37	105	1435752	207.422	ppb	99
55) Bromoform	8.20	173	357743	244.412	ppb	94
58) n-Propylbenzene	8.77	91	1397785	208.897	ppb	97
59) Bromobenzene	8.65	156	516816	213.681	ppb	100
60) 1,3,5-Trimethylbenzene	8.94	105	1140153	207.586	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.65	83	290008	211.378	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	219443	213.114	ppb	97
63) 2-Chlorotoluene	8.84	91	792216	210.263	ppb	99
64) 4-Chlorotoluene	8.94	91	922737	203.634	ppb	95
65) tert-Butylbenzene	9.25	119	1219142	210.307	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	1231261	219.153	ppb	99
67) sec-Butylbenzene	9.46	105	1536242	215.028	ppb	98
68) p-Isopropyltoluene	9.61	119	1548527	220.008	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	931698	215.133	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	885859	212.921	ppb	98
71) 1,2-Dichlorobenzene	10.00	146	895719	218.516	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	59449	249.378	ppb	92
73) 1,2,4-Trichlorobenzene	11.59	180	692320	254.324	ppb	99
74) Hexachlorobutadiene	11.77	225	383570	226.523	ppb	97
75) Naphthalene	11.83	128	1493553	201.557	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	627094	202.209	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.240	-2.4	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	227.218	-13.6	100	0.00
5	TMP	Chloromethane	200.000	224.496	-12.2	100	0.00
6	TMP	Vinyl chloride	200.000	211.703	-5.9	100	-0.01
7	TMP	Bromomethane	200.000	208.798	-4.4	100	0.00
8	TMP	Chloroethane	200.000	211.473	-5.7	100	-0.01
9	TMP	Trichlorofluoromethane	200.000	233.523	-16.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	1000.000	1056.569	-5.7	100	-0.01
12	TMP	1,1-Dichloroethene	200.000	214.250	-7.1	100	-0.01
13	TMP	Hexane	200.000	226.994	-13.5	100	0.00
14	TMP	Methylene chloride	200.000	211.120	-5.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	1000.000	1202.884	-20.3#	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	200.000	212.410	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	214.906	-7.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	222.740	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	200.000	218.033	-9.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	211.037	-5.5	100	-0.01
21	TMP	2,2-Dichloropropane	200.000	199.852	0.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	210.990	-5.5	100	0.00
23	TMP	Chloroform	200.000	217.424	-8.7	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	1116.887	-11.7	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	200.000	219.736	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	200.000	206.731	-3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	225.676	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	200.000	220.370	-10.2	100	0.00
29	TMP	Carbon tetrachloride	200.000	212.939	-6.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.286	-2.9	100	0.00
31	TMP	Benzene	200.000	216.936	-8.5	100	0.00
32	TMP	Trichloroethene	200.000	217.040	-8.5	100	0.00
33	TMP	1,2-Dichloropropane	200.000	226.419	-13.2	100	0.00
34	TMP	Bromodichloromethane	200.000	212.418	-6.2	100	0.00
35	S	Toluene-d8	10.000	10.541	-5.4	100	0.00
36	TMP	Dibromomethane	200.000	226.641	-13.3	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	1186.592	-18.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	200.000	201.924	-1.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	210.871	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	239.040	-19.5	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	212.039	-6.0	100	0.00
43	TMP	2-Hexanone	1000.000	1088.649	-8.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	205.074	-2.5	100	0.00
45	TMP	Tetrachloroethene	200.000	206.031	-3.0	100	0.00
46	TMP	Dibromochloromethane	200.000	229.282	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	209.357	-4.7	100	0.00
48	TMP	Chlorobenzene	200.000	214.993	-7.5	100	0.00
49	TMP	Ethylbenzene	200.000	202.894	-1.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	228.462	-14.2	100	0.00
51	TMP	m,p-Xylene	400.000	400.971	-0.2	100	0.00
52	TMP	o-Xylene	200.000	202.532	-1.3	100	0.00
53	TMP	Styrene	200.000	207.373	-3.7	100	0.00
54	TMP	Isopropylbenzene	200.000	207.422	-3.7	100	0.00
55	TMP	Bromoform	200.000	244.412	-22.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.917	0.8	100	0.00
58	TMP	n-Propylbenzene	200.000	208.897	-4.4	100	0.00
59	TMP	Bromobenzene	200.000	213.681	-6.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	207.586	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	211.378	-5.7	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	213.114	-6.6	100	0.00
63	TMP	2-Chlorotoluene	200.000	210.263	-5.1	100	0.00
64	TMP	4-Chlorotoluene	200.000	203.634	-1.8	100	0.00
65	TMP	tert-Butylbenzene	200.000	210.307	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	219.153	-9.6	100	0.00
67	TMP	sec-Butylbenzene	200.000	215.028	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	200.000	220.008	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	215.133	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	212.921	-6.5	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	218.516	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	249.378	-24.7#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	200.000	254.324	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	200.000	226.523	-13.3	100	0.00
75	TMP	Naphthalene	200.000	201.557	-0.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	202.209	-1.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.829	-13.6	100	0.00
5	TMP	Chloromethane	0.500	0.561	-12.2	100	0.00
6	TMP	Vinyl chloride	0.532	0.587	-10.3	100	-0.01
7	TMP	Bromomethane	0.491	0.494	-0.6	100	0.00
8	TMP	Chloroethane	0.247	0.290	-17.4	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.541	-16.8	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.472	-7.3	100	-0.01
13	TMP	Hexane	0.231	0.262	-13.4	100	0.00
14	TMP	Methylene chloride	0.235	0.255	-8.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.025#	-19.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.586	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.305	-7.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.536	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.356	-8.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.299	-15.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.252	-7.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.318	-5.3	100	0.00
23	TMP	Chloroform	0.430	0.467	-8.6	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.099	-11.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.567	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.292	3.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.493	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.323	-10.2	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.554	-19.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.918	-4.8	100	0.00
32	TMP	Trichloroethene	0.338	0.340	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.196	-13.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.356	-18.7	100	0.00
35	S	Toluene-d8	0.931	0.982	-5.5	100	0.00
36	TMP	Dibromomethane	0.171	0.194	-13.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.051	-18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.387	-25.2#	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.745	2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.378	-19.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.215	-5.9	100	0.00
43	TMP	2-Hexanone	0.144	0.157	-9.0	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.443	2.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.501	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.346	-4.5	100	0.00
48	TMP	Chlorobenzene	0.967	1.039	-7.4	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.447	-14.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.564	4.4	100	0.00
52	TMP	o-Xylene	0.566	0.552	2.5	100	0.00
53	TMP	Styrene	0.855	0.886	-3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.444	-3.7	100	0.00
55	TMP	Bromoform	0.295	0.360	-22.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.476	-4.4	100	0.00
59	TMP	Bromobenzene	0.857	0.916	-6.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.020	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.514	-8.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.389#	-6.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.635	-1.8	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.160	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.181	-9.5	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.722	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.743	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.651	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.569	-6.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.587	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.105	-25.0#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.227	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.680	-13.3	100	0.00
75	TMP	Naphthalene	1.920	2.646	-37.8#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	1.111	-29.2#	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	60557	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55535	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32100	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	19279	10.196	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.00%				
30) 1,2-Dichloroethane-d4	4.45	102	3692	9.834	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.30%				
35) Toluene-d8	6.11	98	58054	10.296	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.00%				
57) 4-Bromofluorobenzene	8.51	95	19398	9.801	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.00%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	163	No Calib			
4) Dichlorodifluoromethane	1.10	85	52224	11.819	ppb		98
5) Chloromethane	1.24	50	32604	10.771	ppb		90
6] Vinyl chloride	1.31	62	34531	10.282	ppb		94
7) Bromomethane	1.55	94	32255	10.917	ppb		89
8] Chloroethane	1.64	64	16468	10.038	ppb		99
9) Trichlorofluoromethane	1.83	101	74294	9.298	ppb		94
10) 2-Propanol	2.32	45	163	No Calib	#		
11) Acetone	2.32	58	8542	62.741	ppb		97
12] 1,1-Dichloroethene	2.26	96	27963	10.490	ppb		95
13) Hexane	3.15	57	14195	10.168	ppb		99
14) Methylene chloride	2.68	84	14787	10.355	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	6369	50.721	ppb		94
16] Methyl t-butyl ether (...	2.92	73	34890	10.435	ppb		100
17] trans-1,2-Dichloroethene	2.91	96	17487	10.157	ppb		100
18) Diisopropyl ether (DIPE)	3.34	45	31177	10.698	ppb		98
19] 1,1-Dichloroethane	3.27	63	21688	10.957	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	16569	9.774	ppb		93
21) 2,2-Dichloropropane	3.76	77	14767	9.768	ppb		99
22] cis-1,2-Dichloroethene	3.76	96	19743	10.801	ppb		95
23) Chloroform	4.03	83	26443	10.164	ppb		97
24) 2-Butanone (MEK)	3.78	43	30608	56.740	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	33077	10.580	ppb		94
26] 1,2-Dichloroethane (EDC)	4.52	62	18085	10.556	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	27831	10.528	ppb		93
28) 1,1-Dichloropropene	4.32	75	19187	10.803	ppb		95
29) Carbon tetrachloride	4.32	117	29639	9.531	ppb		98
31] Benzene	4.49	78	54536	10.635	ppb		94
32] Trichloroethene	5.04	95	20551	10.811	ppb	#	79
33) 1,2-Dichloropropane	5.23	63	10680	10.201	ppb		99
34) Bromodichloromethane	5.48	83	18909	9.387	ppb		99
36) Dibromomethane	5.34	93	10844	10.445	ppb		93

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

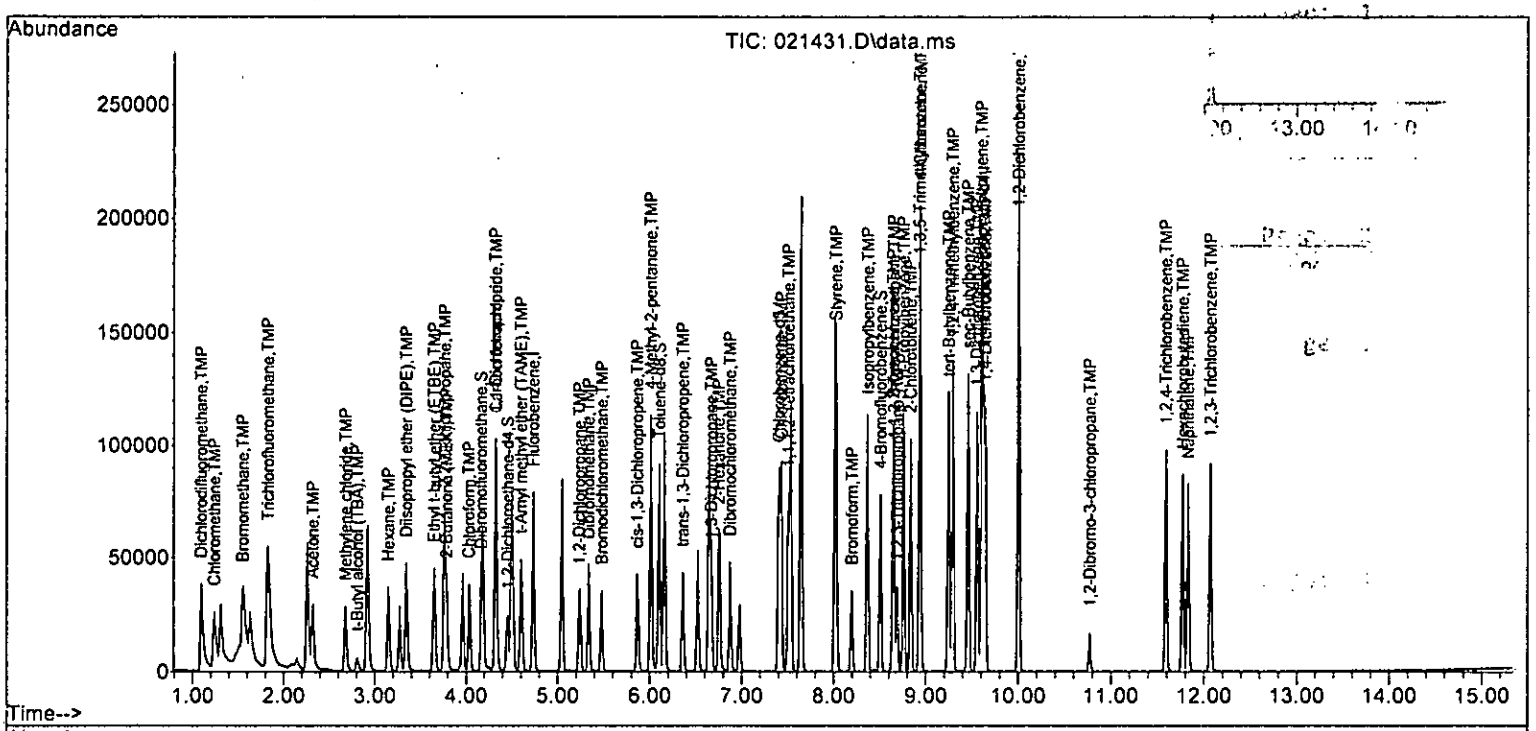
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	14076	54.095	ppb		96
38) cis-1,3-Dichloropropene	5.86	75	19188	10.360	ppb		91
40] Toluene	6.16	92	40182	10.232	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	17765	10.113	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	11297	10.028	ppb	#	72
43) 2-Hexanone	6.75	43	40889	51.001	ppb		97
44) 1,3-Dichloropropane	6.67	76	18750	9.934	ppb		98
45] Tetrachloroethene	6.65	164	23900	10.009	ppb		98
46) Dibromochloromethane	6.87	129	24216	9.976	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	19127	10.408	ppb		98
48) Chlorobenzene	7.43	112	54558	10.159	ppb		98
49] Ethylbenzene	7.53	91	73721	10.401	ppb		90
50) 1,1,1,2-Tetrachloroethane	7.51	131	22672	10.444	ppb		99
51] m,p-Xylene	7.64	106	65989	21.123	ppb		81
52] o-Xylene	8.01	106	32296	10.657	ppb		79
53) Styrene	8.03	104	49427	10.413	ppb		99
54) Isopropylbenzene	8.37	105	77150	9.975	ppb		99
55) Bromoform	8.20	173	16364	10.005	ppb		95
58) n-Propylbenzene	8.76	91	78654	10.335	ppb		100
59) Bromobenzene	8.65	156	28429	10.335	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	64720	10.360	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	15227	9.790	ppb		97
62) 1,2,3-Trichloropropane	8.69	75	11842	10.111	ppb		98
63) 2-Chlorotoluene	8.84	91	46410	10.774	ppb		100
64) 4-Chlorotoluene	8.94	91	54139	10.505	ppb		99
65) tert-Butylbenzene	9.25	119	67965	10.308	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	67431	10.552	ppb		97
67) sec-Butylbenzene	9.46	105	83954	10.332	ppb		99
68) p-Isopropyltoluene	9.60	119	84143	10.511	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	50409	10.234	ppb		100
70) 1,4-Dichlorobenzene	9.64	146	49517	10.464	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	46883	10.056	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	2650	9.774	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	32656	10.547	ppb		98
74) Hexachlorobutadiene	11.77	225	19109	9.922	ppb		98
75) Naphthalene	11.83	128	67016	11.581	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	28889	11.007	ppb		94

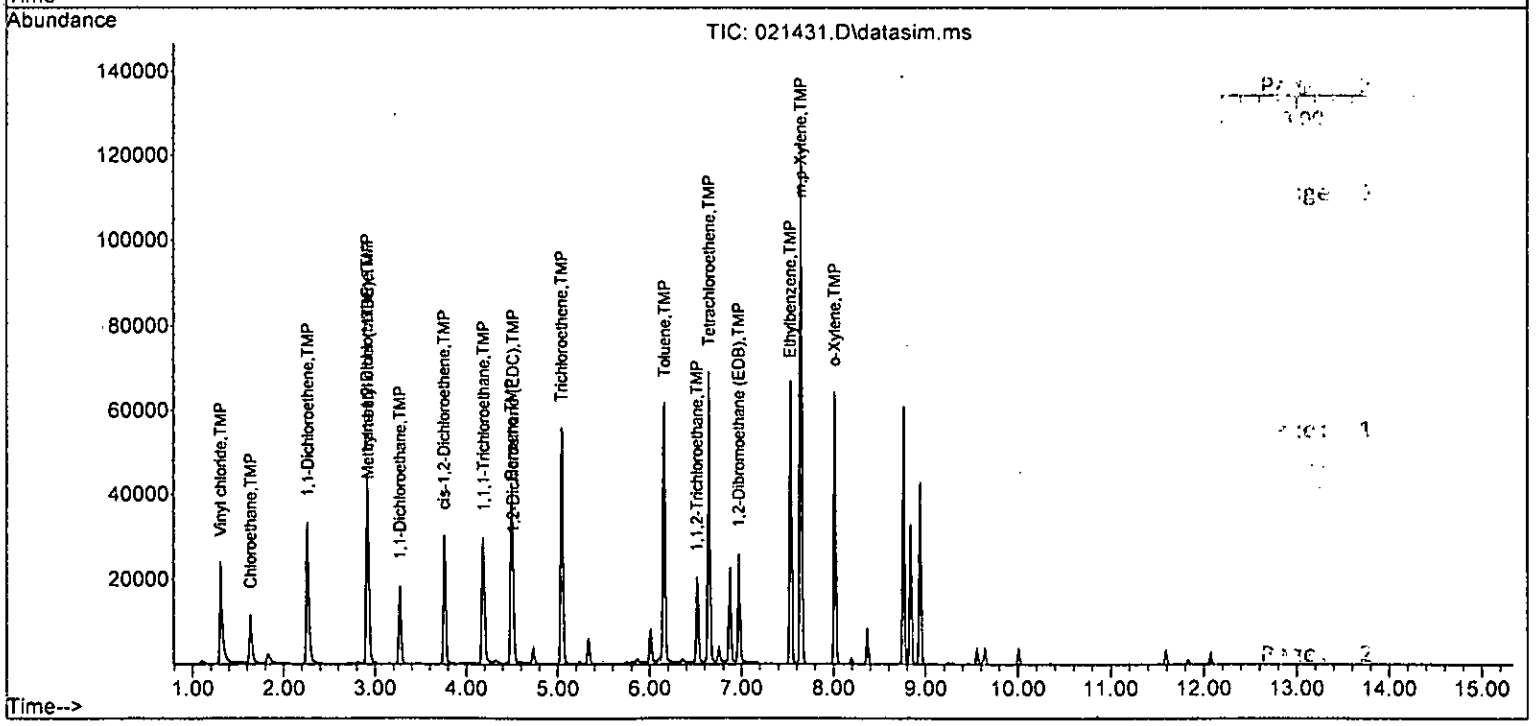
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	91	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.196	-2.0	98	-0.01
4	TMP	Dichlorodifluoromethane	10.000	11.819	-18.2	112	-0.01
5	TMP	Chloromethane	10.000	10.771	-7.7	111	-0.01
6	TMP	Vinyl chloride	10.000	10.282	-2.8	106	-0.02
7	TMP	Bromomethane	10.000	10.917	-9.2	108	-0.02
8	TMP	Chloroethane	10.000	10.038	-0.4	102	-0.02
9	TMP	Trichlorofluoromethane	10.000	9.298	7.0	90	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	220	-0.02
11	TMP	Acetone	50.000	62.741	-25.5#	120	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.490	-4.9	101	-0.01
13	TMP	Hexane	10.000	10.168	-1.7	100	-0.01
14	TMP	Methylene chloride	10.000	10.355	-3.6	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	50.721	-1.4	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.435	-4.4	103	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.157	-1.6	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	10.698	-7.0	103	-0.01
19	TMP	1,1-Dichloroethane	10.000	10.957	-9.6	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.774	2.3	102	-0.01
21	TMP	2,2-Dichloropropane	10.000	9.768	2.3	106	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.801	-8.0	106	-0.01
23	TMP	Chloroform	10.000	10.164	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	50.000	56.740	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.580	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.556	-5.6	103	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.528	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	10.000	10.803	-8.0	109	-0.01
29	TMP	Carbon tetrachloride	10.000	9.531	4.7	103	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.834	1.7	88	0.00
31	TMP	Benzene	10.000	10.635	-6.3	104	-0.01
32	TMP	Trichloroethene	10.000	10.811	-8.1	102	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.201	-2.0	98	-0.01
34	TMP	Bromodichloromethane	10.000	9.387	6.1	101	0.00
35	S	Toluene-d8	10.000	10.296	-3.0	101	0.00
36	TMP	Dibromomethane	10.000	10.445	-4.5	102	0.00
37	TMP	4-Methyl-2-pentanone	50.000	54.095	-8.2	105	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.360	-3.6	104	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	99	0.00
40	TMP	Toluene	10.000	10.232	-2.3	103	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.113	-1.1	106	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.028	-0.3	102	-0.01
43	TMP	2-Hexanone	50.000	51.001	-2.0	105	-0.01

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.934	0.7	105	0.00
45	TMP	Tetrachloroethene	10.000	10.009	-0.1	101	0.00
46	TMP	Dibromochloromethane	10.000	9.976	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.408	-4.1	108	0.00
48	TMP	Chlorobenzene	10.000	10.159	-1.6	102	0.00
49	TMP	Ethylbenzene	10.000	10.401	-4.0	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.444	-4.4	106	0.00
51	TMP	m,p-Xylene	20.000	21.123	-5.6	104	0.00
52	TMP	o-Xylene	10.000	10.657	-6.6	106	0.00
53	TMP	Styrene	10.000	10.413	-4.1	105	0.00
54	TMP	Isopropylbenzene	10.000	9.975	0.3	102	0.00
55	TMP	Bromoform	10.000	10.005	-0.1	106	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	10.000	9.801	2.0	98	0.00
58	TMP	n-Propylbenzene	10.000	10.335	-3.4	104	0.00
59	TMP	Bromobenzene	10.000	10.335	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.360	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.790	2.1	104	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.111	-1.1	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.774	-7.7	104	0.00
64	TMP	4-Chlorotoluene	10.000	10.505	-5.1	107	0.00
65	TMP	tert-Butylbenzene	10.000	10.308	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.552	-5.5	106	0.00
67	TMP	sec-Butylbenzene	10.000	10.332	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	10.000	10.511	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.234	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.464	-4.6	107	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.056	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.774	2.3	111	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.547	-5.5	114	0.00
74	TMP	Hexachlorobutadiene	10.000	9.922	0.8	103	0.00
75	TMP	Naphthalene	10.000	11.581	-15.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	11.007	-10.1	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	91	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.318	-1.9	98	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.862	-18.1	112	-0.01
5	TMP	Chloromethane	0.500	0.538	-7.6	111	-0.01
6	TMP	Vinyl chloride	0.532	0.570	-7.1	106	-0.02
7	TMP	Bromomethane	0.491	0.533	-8.6	108	-0.02
8	TMP	Chloroethane	0.247	0.272	-10.1	102	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.227	7.0	90	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	220#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	120	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.462	-5.0	101	-0.01
13	TMP	Hexane	0.231	0.234	-1.3	100	-0.01
14	TMP	Methylene chloride	0.235	0.244	-3.8	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.576	-4.3	103	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.289	-1.8	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.515	-7.1	103	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.358	-9.5	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	102	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.244	-3.8	106	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.326	-7.9	106	-0.01
23	TMP	Chloroform	0.430	0.437	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.101	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.546	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.299	0.7	103	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.460	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	0.293	0.317	-8.2	109	-0.01
29	TMP	Carbon tetrachloride	0.463	0.489	-5.6	103	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	88	0.00
31	TMP	Benzene	0.876	0.901	-2.9	104	-0.01
32	TMP	Trichloroethene	0.338	0.339	-0.3	102	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.176	-1.7	98	-0.01
34	TMP	Bromodichloromethane	0.300	0.312	-4.0	101	0.00
35	S	Toluene-d8	0.931	0.959	-3.0	101	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	102	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	105	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.317	-2.6	104	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
40	TMP	Toluene	0.764	0.724	5.2	103	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.320	-1.3	106	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	102	-0.01
43	TMP	2-Hexanone	0.144	0.147	-2.1	105	-0.01

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	105	0.00
45	TMP	Tetrachloroethene	0.452	0.430	4.9	101	0.00
46	TMP	Dibromochloromethane	0.437	0.436	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.344	-3.9	108	0.00
48	TMP	Chlorobenzene	0.967	0.982	-1.6	102	0.00
49	TMP	Ethylbenzene	1.331	1.327	0.3	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.408	-4.3	106	0.00
51	TMP	m,p-Xylene	0.590	0.594	-0.7	104	0.00
52	TMP	o-Xylene	0.566	0.582	-2.8	106	0.00
53	TMP	Styrene	0.855	0.890	-4.1	105	0.00
54	TMP	Isopropylbenzene	1.393	1.389	0.3	102	0.00
55	TMP	Bromoform	0.295	0.295	0.0	106	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	0.617	0.604	2.1	98	0.00
58	TMP	n-Propylbenzene	2.371	2.450	-3.3	104	0.00
59	TMP	Bromobenzene	0.857	0.886	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.016	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.474#	-0.2	104	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.369#	-1.1	104	0.00
63	TMP	2-Chlorotoluene	1.399	1.446	-3.4	104	0.00
64	TMP	4-Chlorotoluene	1.606	1.687	-5.0	107	0.00
65	TMP	tert-Butylbenzene	2.054	2.117	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.101	-5.5	106	0.00
67	TMP	sec-Butylbenzene	2.531	2.615	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	2.494	2.621	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.570	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.543	-4.7	107	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.461	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.083	1.2	111	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.017	-5.4	114	0.00
74	TMP	Hexachlorobutadiene	0.600	0.595	0.8	103	0.00
75	TMP	Naphthalene	1.920	2.088	-8.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.900	-4.7	109	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Compound List Report GCMS11

Method Path : Y:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.63	1.000	A	1	A	B
2	T	Ethanol	45	1.87	0.404	A	1	A	B
3	S	Dibromofluoromethane	113	4.07	0.879	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.08	0.233	A	1	A	B
5	T	Chloromethane	50	1.22	0.263	A	1	A	B
6	T	Vinyl chloride	-62	1.29	0.279	A	1	A	B
7	T	Bromomethane	94	1.53	0.331	A	1	A	B
8	T	Chloroethane	-64	1.60	0.345	A	1	A	B
9	T	Trichlorofluoromethane	101	1.77	0.384	A	1	A	B
10	T	2-Propanol	45	2.39	0.516	A	1	A	B
11	T	Acetone	58	2.26	0.489	A	1	A	B
12	T	1,1-Dichloroethene	-96	2.19	0.472	A	2	A	B
13	T	Hexane	57	3.05	0.659	A	2	A	B
14	T	Methylene chloride	84	2.60	0.562	A	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.73	0.591	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.83	0.611	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.82	0.610	L	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.24	0.701	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.17	0.686	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.54	0.765	A	3	A	B
21	T	2,2-Dichloropropane	77	3.66	0.791	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.66	0.791	L	2	A	B
23	T	Chloroform	83	3.94	0.851	A	1	A	B
24	T	2-Butanone (MEK)	43	3.70	0.799	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.49	0.970	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.41	0.953	Q	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.07	0.880	A	2	A	B
28	T	1,1-Dichloropropene	75	4.21	0.909	A	2	A	B
29	T	Carbon tetrachloride	117	4.21	0.909	A	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.35	0.940	A	1	A	B
31	T	Benzene	-78	4.38	0.948	A	1	A	B
32	T	Trichloroethene	-95	4.93	1.065	L	3	A	B
33	T	1,2-Dichloropropane	63	5.13	1.109	A	1	A	B
34	T	Bromodichloromethane	83	5.37	1.159	A	2	A	B
35	S	Toluene-d8	98	5.97	1.291	A	1	A	B
36	T	Dibromomethane	93	5.22	1.129	A	2	A	B
37	T	4-Methyl-2-pentanone	85	5.89	1.274	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.75	1.243	A	2	A	B
39	I	Chlorobenzene-d5	117	7.27	1.000	A	1	A	B
40	T	Toluene	-92	6.03	0.829	A	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.25	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.40	0.881	A	2	A	B
43	T	2-Hexanone	43	6.64	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.55	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.51	0.896	A	3	A	B
46	T	Dibromochloromethane	129	6.75	0.929	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.85	0.943	A	2	A	B
48	T	Chlorobenzene	112	7.29	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.40	1.018	A	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.38	1.015	L	2	A	B
51	T	m,p-Xylene	-106	7.51	1.033	L	1	A	B
52	T	o-Xylene	-106	7.88	1.083	A	1	A	B
53	T	Styrene	104	7.90	1.086	A	1	A	B
54	T	Isopropylbenzene	105	8.23	1.131	A	1	A	B
55	T	Bromoform	173	8.07	1.110	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.48	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.38	0.883	A	2	A	B
58	T	n-Propylbenzene	91	8.62	0.909	A	1	A	B
59	T	Bromobenzene	156	8.51	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.79	0.927	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.53	0.900	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.56	0.903	A	3	A	R
63	T	2-Chlorotoluene	91	8.70	0.917	A	1	A	B
64	T	4-Chlorotoluene	91	8.80	0.928	A	1	A	B
65	T	tert-Butylbenzene	119	9.10	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.15	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.31	0.982	A	1	A	B
68	T	p-Isopropyltoluene	119	9.46	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.41	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.50	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	9.86	1.041	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.54	1.112	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.44	1.207	A	2	A	B
74	T	Hexachlorobutadiene	225	11.61	1.225	A	2	A	B
75	T	Naphthalene	128	11.68	1.232	A	2	A	B
76	T	1,2,3-Trichlorobenzene	180	11.92	1.257	A	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB022223ms11.M Thu Feb 23 11:17:04 2023

Calibration Status Report GCMS11

Method Path : Y:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 10:59:04 2023
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	Y:\Proc_GCMS11\02-22-23\022213.D
2	0.04	0	10	Y:\Proc_GCMS11\02-22-23\022214.D
3	0.1	0	10	Y:\Proc_GCMS11\02-22-23\022215.D
4	0.2	0	10	Y:\Proc_GCMS11\02-22-23\022216.D
5	0.5	1	10	Y:\Proc_GCMS11\02-22-23\022217.D
6	1	1	10	Y:\Proc_GCMS11\02-22-23\022218.D
7	2	2	10	Y:\Proc_GCMS11\02-22-23\022219.D
8	5	5	10	Y:\Proc_GCMS11\02-22-23\022220.D
9	10	10	10	Y:\Proc_GCMS11\02-22-23\022221.D
10	20	20	10	Y:\Proc_GCMS11\02-22-23\022222.D
11	50	50	10	Y:\Proc_GCMS11\02-22-23\022223.D
12	100	100	10	Y:\Proc_GCMS11\02-22-23\022224.D
13	150	150	10	Y:\Proc_GCMS11\02-22-23\022225.D
14	200	200	10	Y:\Proc_GCMS11\02-22-23\022226.D

#	ID	Update Time	Quant Time	Acquisition Time
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2	0.04	Feb 23 09:01 2023	Feb 23 08:57 2023	22 Feb 2023 05:18 pm
3	0.1	Feb 23 09:01 2023	Feb 23 08:57 2023	22 Feb 2023 05:41 pm
4	0.2	Feb 23 09:01 2023	Feb 23 08:59 2023	22 Feb 2023 06:03 pm
5	0.5	Feb 23 09:01 2023	Feb 23 08:59 2023	22 Feb 2023 06:25 pm
6	1	Feb 23 09:01 2023	Feb 23 09:00 2023	22 Feb 2023 06:48 pm
7	2	Feb 23 09:01 2023	Feb 23 09:00 2023	22 Feb 2023 07:11 pm
8	5	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 07:33 pm
9	10	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 07:55 pm
10	20	Feb 23 09:01 2023	Feb 23 08:55 2023	22 Feb 2023 08:18 pm
11	50	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 08:40 pm
12	100	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:03 pm
13	150	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:25 pm
14	200	Feb 23 09:01 2023	Feb 23 08:56 2023	22 Feb 2023 09:48 pm

VB022223ms11.M Thu Feb 23 11:17:09 2023

Response Factor Report GCMS11

Method Path : S:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Feb 23 12:59:20 2023
Response Via : Initial Calibration

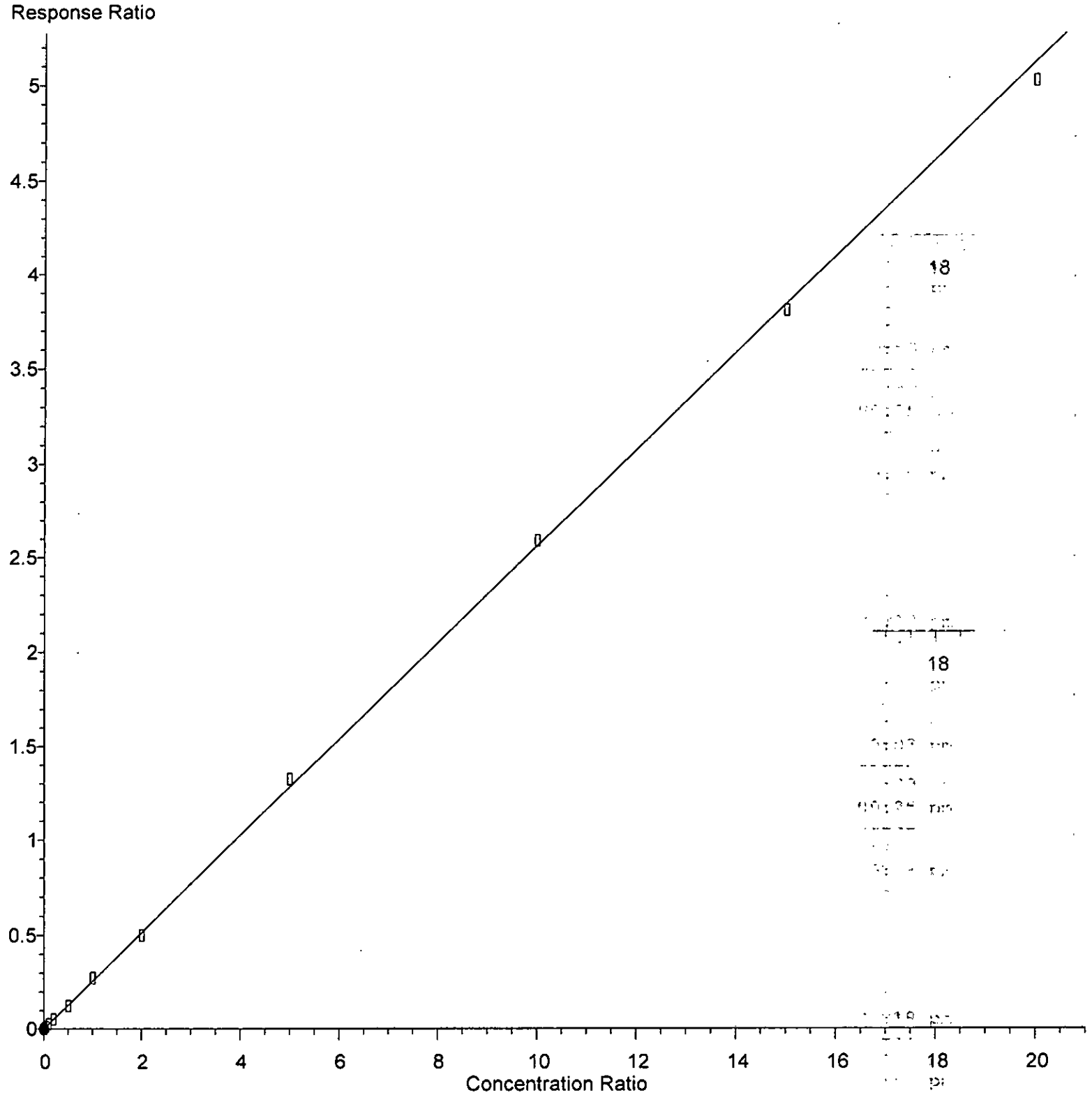
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50 =022223.D 100 =022224.D 150 =022225.D 200 =022226.D

	Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1) I	Fluorobenzene	----------	ISTD	----------													
2) TMP	Ethanol															0.000#	-1.00
3) S	Dibromofluorom...	0.294	0.279	0.273	0.273	0.279	0.284	0.269	0.277	0.294	0.276	0.287	0.275	0.270	0.269	0.278	3.01
4) TMP	Dichlorodifluo...					0.518	0.591	0.581	0.514	0.587	0.521	0.578	0.551	0.541	0.510	0.549	5.95
5) TMP	Chloromethane					0.899	0.790	0.740	0.672	0.741	0.658	0.678	0.680	0.652	0.633	0.714	11.35
6) TMP	Vinyl chloride	0.825	0.677	0.613	0.610	0.575	0.586	0.581	0.560	0.613	0.563	0.580	0.571	0.553	0.536	0.603	12.03
7) TMP	Bromomethane							0.471	0.341	0.357	0.327	0.341	0.353	0.342	0.334	0.358	12.97
8) TMP	Chloroethane					0.273	0.298	0.273	0.271	0.297	0.268	0.282	0.279	0.273	0.268	0.278	4.02
9) TMP	Trichlorofluor...				0.986	0.902	0.807	0.735	0.674	0.746	0.688	0.745	0.734	0.718	0.699	0.767	12.57
10) TMP	2-Propanol															0.000	-1.00
11) TMP	Acetone					0.079	0.080	0.067	0.061	0.071	0.066	0.073	0.072	0.073	0.075	0.072	8.13
12) TMP	1,1-Dichloroet...	0.360	0.331	0.343	0.299	0.288	0.288	0.288	0.267	0.294	0.271	0.288	0.282	0.279	0.274	0.297	9.46
13) TMP	Hexane					0.537	0.466	0.405	0.373	0.418	0.391	0.417	0.408	0.397	0.392	0.420	11.37
14) TMP	Methylene chlo...						0.396	0.336	0.270	0.257	0.244	0.253	0.255	0.249	0.249	0.279	18.71
15) TMP	t-Butyl alcoho...					0.045	0.040	0.039	0.036	0.041	0.038	0.041	0.042	0.039	0.040	0.040	5.95
16) TMP	Methyl t-butyl...	0.717	0.721	0.680	0.715	0.691	0.692	0.702	0.656	0.725	0.662	0.705	0.685	0.669	0.664	0.692	3.39
17) TMP	trans-1,2-Dich...	0.491	0.374	0.284	0.281	0.265	0.260	0.265	0.249	0.274	0.250	0.265	0.259	0.254	0.251	0.287	23.12
18) TMP	Diisopropyl et...				1.117	0.990	0.958	0.970	0.912	0.984	0.916	0.997	0.975	1.006	0.942	0.979	5.65
19) TMP	1,1-Dichloroet...	0.597	0.591	0.523	0.536	0.518	0.513	0.523	0.482	0.538	0.496	0.521	0.509	0.500	0.493	0.524	6.40
20) TMP	Ethyl t-butyl ...				0.352	0.313	0.292	0.314	0.246	0.289	0.267	0.294	0.280	0.281	0.279	0.291	9.46
21) TMP	2,2-Dichloropr...				0.485	0.402	0.308	0.349	0.289	0.329	0.297	0.299	0.288	0.297	0.286	0.330	18.86
22) TMP	cis-1,2-Dichlo...	0.491	0.362	0.304	0.308	0.296	0.291	0.296	0.274	0.313	0.284	0.301	0.293	0.288	0.283	0.313	17.63
23) TMP	Chloroform				0.595	0.480	0.465	0.448	0.433	0.488	0.445	0.473	0.460	0.460	0.455	0.473	9.20
24) TMP	2-Butanone (MEK)				0.224	0.235	0.230	0.265	0.214	0.242	0.248	0.272	0.271	0.253	0.253	0.246	7.82
25) TMP	t-Amyl methyl ...				0.694	0.742	0.658	0.670	0.588	0.654	0.613	0.654	0.624	0.627	0.617	0.649	6.60
26) TMP	1,2-Dichloroet...		0.719	0.497	0.458	0.440	0.420	0.420	0.383	0.427	0.388	0.414	0.402	0.390	0.384	0.442	20.27
27) TMP	1,1,1-Trichlor...	0.474	0.467	0.418	0.439	0.436	0.432	0.437	0.407	0.457	0.418	0.449	0.437	0.434	0.423	0.438	4.34
28) TMP	1,1-Dichloropr...				0.321	0.346	0.334	0.364	0.325	0.345	0.335	0.349	0.352	0.345	0.340	0.341	3.57
29) TMP	Carbon tetrach...				0.577	0.408	0.390	0.416	0.360	0.403	0.366	0.401	0.406	0.393	0.390	0.410	14.15
30) S	1,2-Dichloroet...	0.064	0.066	0.060	0.060	0.066	0.061	0.066	0.058	0.059	0.062	0.059	0.066	0.061	0.058	0.062	5.31
31) TMP	Benzene	1.428	1.219	1.042	1.030	1.019	1.006	1.013	0.938	1.057	0.968	1.033	1.002	0.969	0.954	1.048	12.23
32) TMP	Trichloroethene	0.514	0.410	0.327	0.314	0.306	0.305	0.310	0.286	0.322	0.295	0.311	0.304	0.299	0.295	0.329	18.53
33) TMP	1,2-Dichloropr...				0.409	0.324	0.324	0.277	0.259	0.282	0.261	0.285	0.279	0.273	0.273	0.295	14.75
34) TMP	Bromodichlorom...				0.375	0.336	0.356	0.375	0.321	0.349	0.331	0.366	0.355	0.347	0.349	0.351	4.94
35) S	Toluene-d8	0.888	0.944	0.945	0.892	0.921	0.958	0.919	0.952	0.995	0.968	0.929	1.014	0.915	0.937	0.941	3.76
36) TMP	Dibromomethane				0.180	0.211	0.179	0.202	0.148	0.176	0.160	0.170	0.172	0.166	0.165	0.176	10.26
37) TMP	4-Methyl-2-pen...				0.062	0.046	0.054	0.047	0.045	0.051	0.044	0.049	0.049	0.046	0.046	0.049	10.50

Method Path : S:\Methods\Inst11\
Method File : VB022223ms11.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition

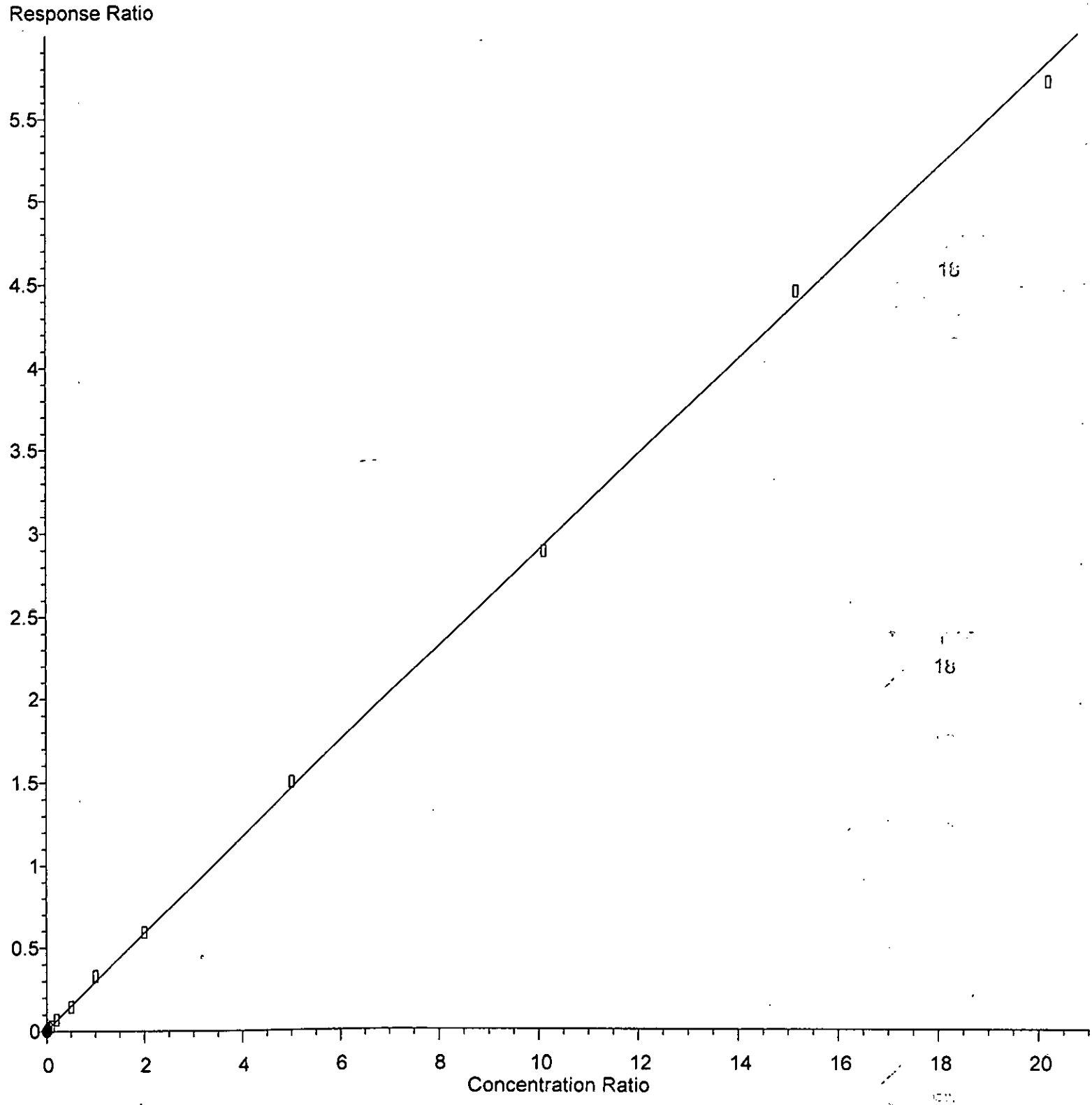
38)	TMP	cis-1,3-Dichlo...				0.504	0.409	0.401	0.366	0.357	0.411	0.377	0.419	0.415	0.405	0.410	0.407	9.46
39)	I	Chlorobenzene-d5	----------ISTD----------															
40)	TMP	Toluene		1.260	0.943	0.872	0.838	0.788	0.854	0.761	0.813	0.772	0.859	0.796	0.807	0.801	0.859	15.14
41)	TMP	trans-1,3-Dich...				0.571	0.524	0.485	0.457	0.413	0.473	0.437	0.492	0.475	0.472	0.478	0.480	8.68
42)	TMP	1,1,2-Trichlor...	0.348	0.328	0.274	0.266	0.249	0.241	0.259	0.228	0.246	0.234	0.262	0.244	0.246	0.247	0.262	13.17
43)	TMP	2-Hexanone					0.377	0.392	0.413	0.368	0.385	0.366	0.407	0.383	0.359	0.360	0.381	4.94
44)	TMP	1,3-Dichloropr...				0.420	0.437	0.439	0.473	0.404	0.421	0.399	0.458	0.431	0.438	0.442	0.433	5.03
45)	TMP	Tetrachloroethene		0.585	0.451	0.413	0.393	0.371	0.404	0.361	0.382	0.360	0.398	0.371	0.374	0.371	0.403	14.99
46)	TMP	Dibromochlorom...				0.427	0.384	0.395	0.415	0.347	0.371	0.355	0.406	0.383	0.382	0.381	0.386	6.19
47)	TMP	1,2-Dibromoeth...			0.403	0.359	0.342	0.324	0.353	0.310	0.331	0.316	0.355	0.327	0.329	0.329	0.340	7.39
48)	TMP	Chlorobenzene				1.020	0.946	0.922	0.982	0.881	0.939	0.888	0.982	0.921	0.942	0.933	0.941	4.35
49)	TMP	Ethylbenzene	2.405	2.080	1.675	1.622	1.556	1.486	1.619	1.428	1.516	1.435	1.586	1.470	1.493	1.482	1.632	16.92
50)	TMP	1,1,1,2-Tetrac...				0.578	0.390	0.356	0.393	0.309	0.361	0.347	0.375	0.353	0.364	0.358	0.380	18.19
51)	TMP	m,p-Xylene	0.993	0.854	0.663	0.648	0.616	0.586	0.638	0.558	0.595	0.569	0.639	0.598	0.613	0.610	0.656	18.35
52)	TMP	o-Xylene	0.864	0.803	0.639	0.638	0.612	0.581	0.644	0.567	0.605	0.577	0.645	0.602	0.616	0.611	0.643	13.25
53)	TMP	Styrene				1.170	0.975	0.899	0.985	0.873	0.931	0.878	1.011	0.945	0.966	0.976	0.964	8.48
54)	TMP	Isopropylbenzene				1.555	1.445	1.422	1.600	1.374	1.485	1.399	1.583	1.458	1.472	1.441	1.476	5.02
55)	TMP	Bromoform				0.387	0.309	0.319	0.335	0.268	0.295	0.275	0.331	0.311	0.317	0.316	0.315	10.10
56)	I	1,4-Dichlorobenzen...	----------ISTD----------															
57)	S	4-Bromofluorob...	0.708	0.729	0.728	0.697	0.726	0.714	0.736	0.690	0.702	0.738	0.758	0.741	0.742	0.734	0.724	2.70
58)	TMP	n-Propylbenzene				3.088	3.213	2.820	3.072	2.599	2.882	2.712	2.990	2.799	2.928	2.794	2.900	6.23
59)	TMP	Bromobenzene				1.033	0.988	0.822	0.830	0.666	0.799	0.756	0.834	0.805	0.837	0.811	0.834	12.00
60)	TMP	1,3,5-Trimethy...				2.461	2.142	1.949	2.274	1.840	2.145	2.017	2.248	2.092	2.222	2.114	2.137	7.88
61)	TMP	1,1,2,2-Tetrac...				1.053	0.718	0.653	0.665	0.565	0.587	0.597	0.668	0.634	0.633	0.620	0.672	19.81
62)	TMP	1,2,3-Trichlor...				0.605	0.557	0.541	0.517	0.450	0.487	0.468	0.516	0.484	0.493	0.476	0.509	8.86
63)	TMP	2-Chlorotoluene				2.081	1.860	1.690	1.924	1.494	1.714	1.621	1.754	1.653	1.731	1.665	1.744	9.17
64)	TMP	4-Chlorotoluene				2.443	2.011	1.974	2.155	1.717	1.943	1.879	2.043	1.930	2.012	1.950	2.005	9.03
65)	TMP	tert-Butylbenzene				2.078	2.118	1.944	2.073	1.698	1.983	1.879	2.107	1.964	2.084	1.989	1.993	6.23
66)	TMP	1,2,4-Trimethy...				2.376	2.138	2.179	2.357	1.964	2.179	2.117	2.357	2.216	2.314	2.218	2.220	5.65
67)	TMP	sec-Butylbenzene				2.989	2.768	2.731	2.792	2.448	2.824	2.701	3.012	2.815	2.939	2.805	2.802	5.54
68)	TMP	p-Isopropyltol...				2.792	2.474	2.382	2.646	2.173	2.458	2.385	2.633	2.449	2.594	2.458	2.495	6.63
69)	TMP	1,3-Dichlorobe...				1.759	1.629	1.427	1.567	1.304	1.472	1.370	1.511	1.419	1.467	1.406	1.485	8.62
70)	TMP	1,4-Dichlorobe...				1.759	1.608	1.444	1.531	1.316	1.454	1.363	1.499	1.384	1.420	1.370	1.468	8.70
71)	TMP	1,2-Dichlorobe...				1.560	1.485	1.363	1.614	1.317	1.376	1.361	1.458	1.369	1.409	1.365	1.425	6.57
72)	TMP	1,2-Dibromo-3-...						0.149	0.160	0.139	0.140	0.130	0.148	0.146	0.149	0.143	0.145	5.76
73)	TMP	1,2,4-Trichlor...				1.400	1.159	1.101	1.237	1.040	1.110	1.077	1.191	1.109	1.176	1.128	1.157	8.45
74)	TMP	Hexachlorobuta...				0.303	0.545	0.617	0.623	0.516	0.584	0.558	0.592	0.564	0.609	0.576	0.553	16.11
75)	TMP	Naphthalene			3.126	3.188	2.548	2.320	2.690	2.196	2.506	2.338	2.601	2.448	2.586	2.484	2.586	11.58
76)	TMP	1,2,3-Trichlor...				1.113	1.103	1.035	1.093	0.934	1.073	1.003	1.099	1.022	1.104	1.053	1.057	5.24

(#) = Out of Range

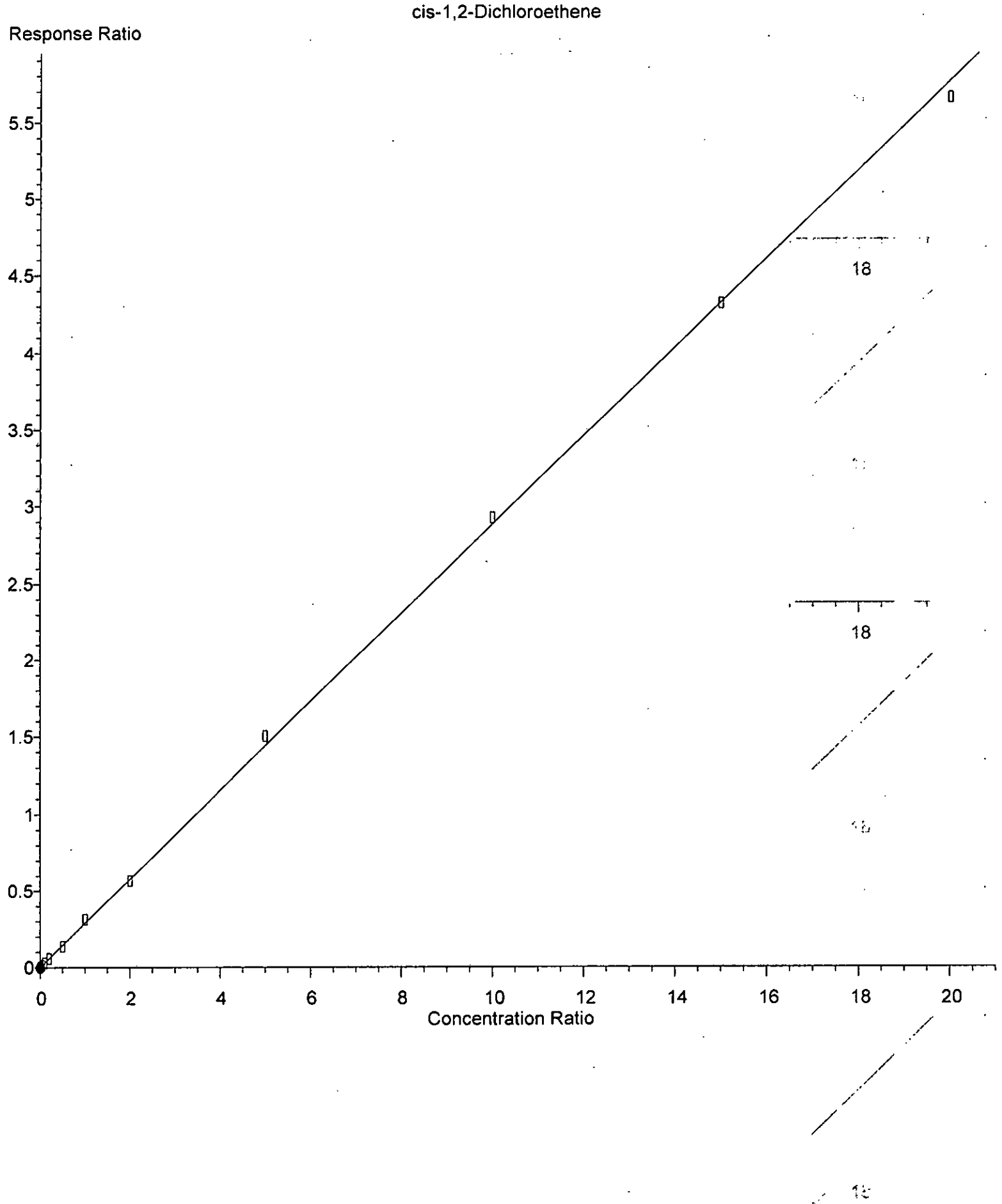


Response = 2.563e-001 * Amt + 4.638e-004
Coef of Det (r^2) = 0.998793 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

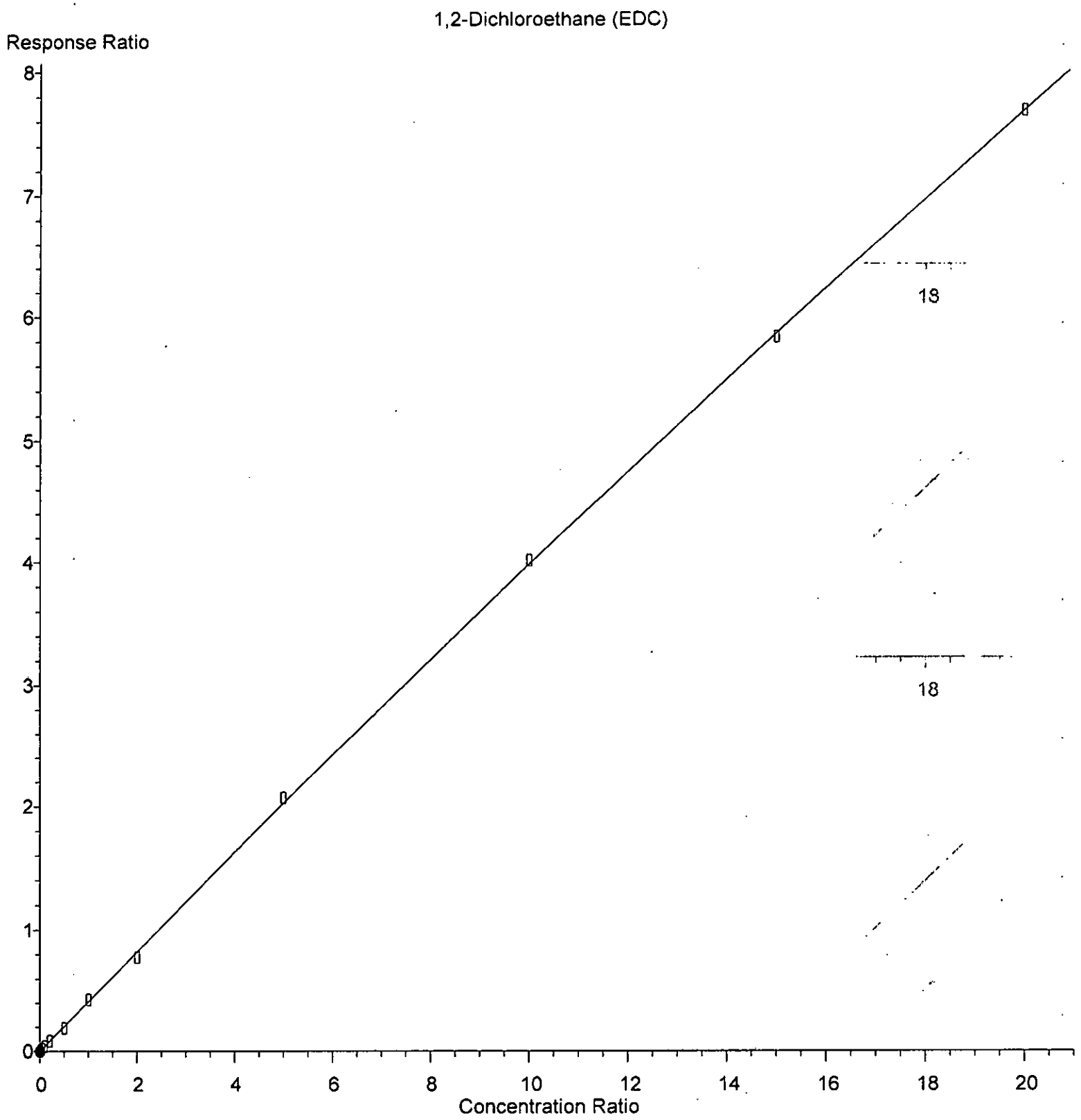
2,2-Dichloropropane



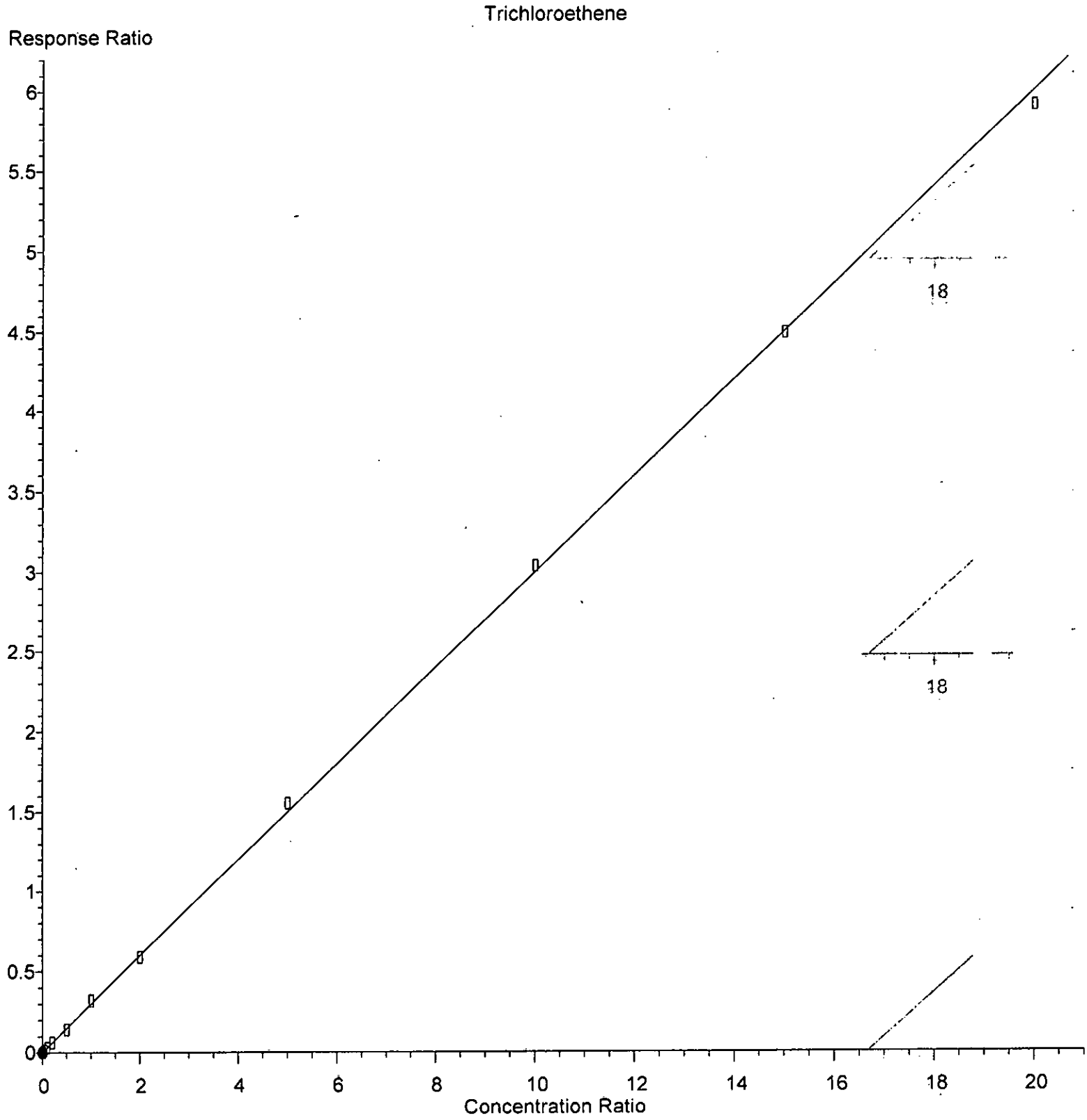
Response = 2.912e-001 * Amt + 4.785e-003
Coef of Det (r^2) = 0.999331 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



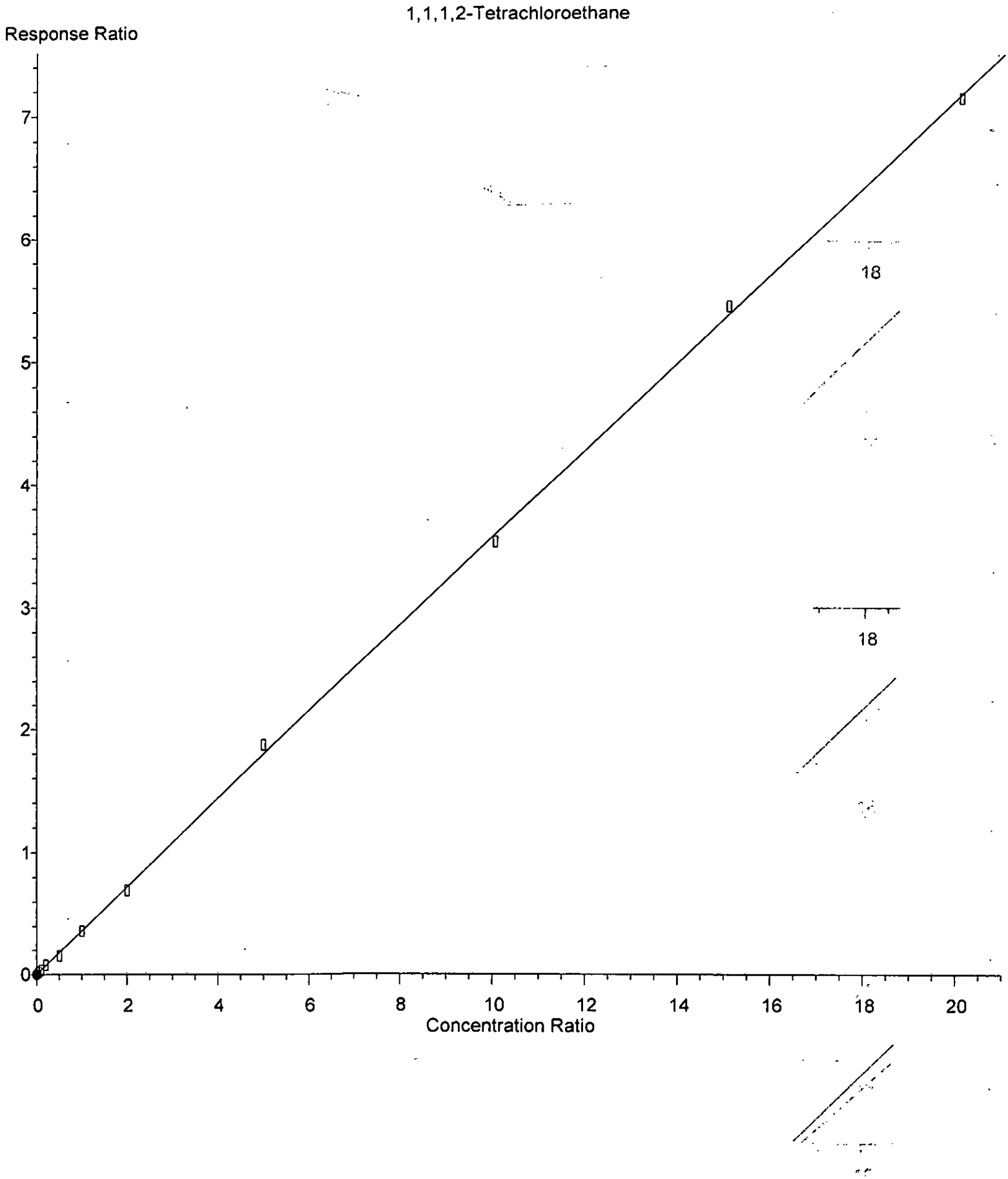
Response = 2.883e-001 * Amt + 3.672e-004
Coef of Det (r^2) = 0.999500 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



R = -1.410e-003 A*A + 4.126e-001 A + 1.035e-003
Coef of Det (r^2) = 0.999730 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

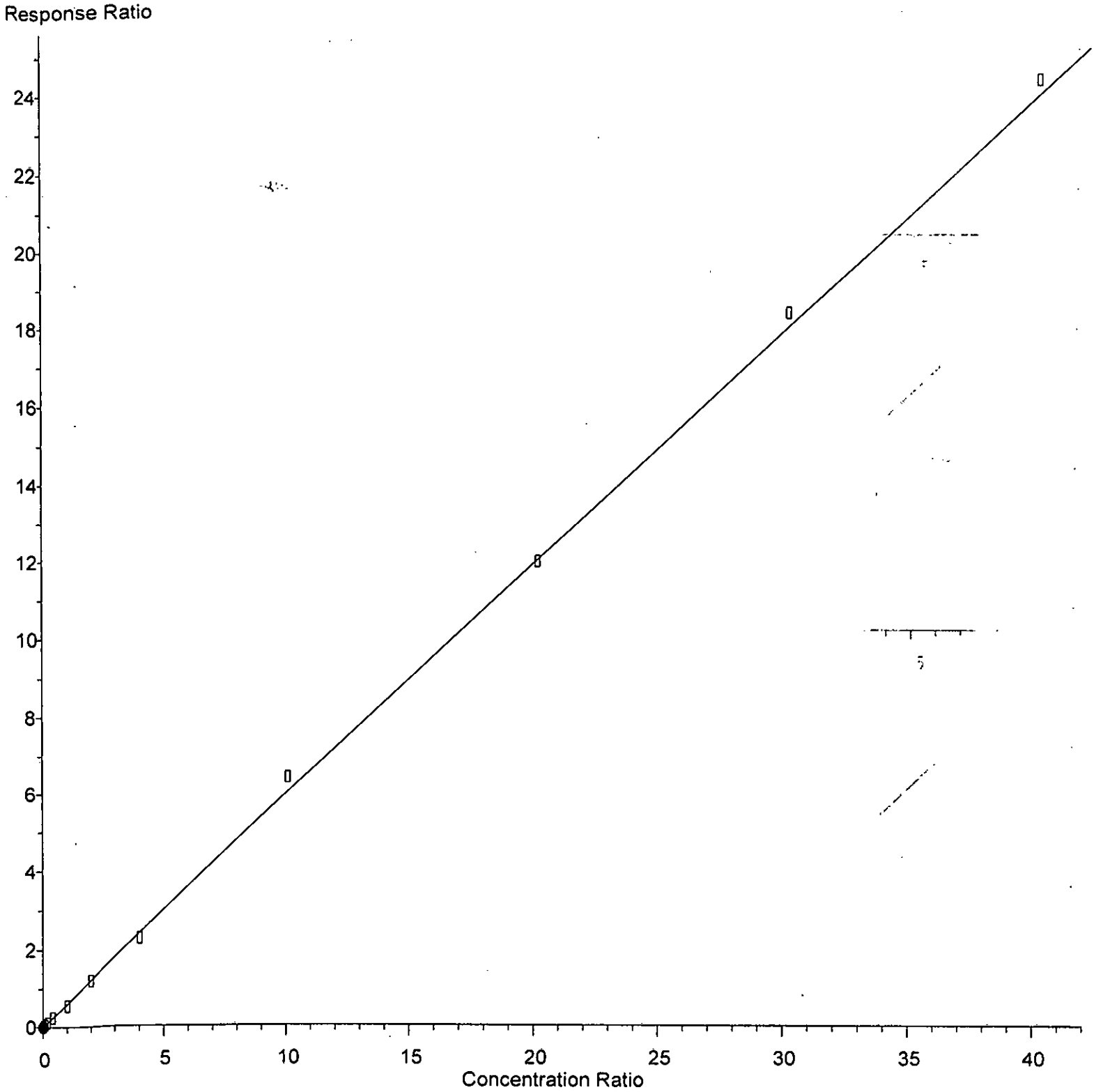


Response = 3.000e-001 * Amt + 4.260e-004
Coef of Det (r^2) = 0.999606 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

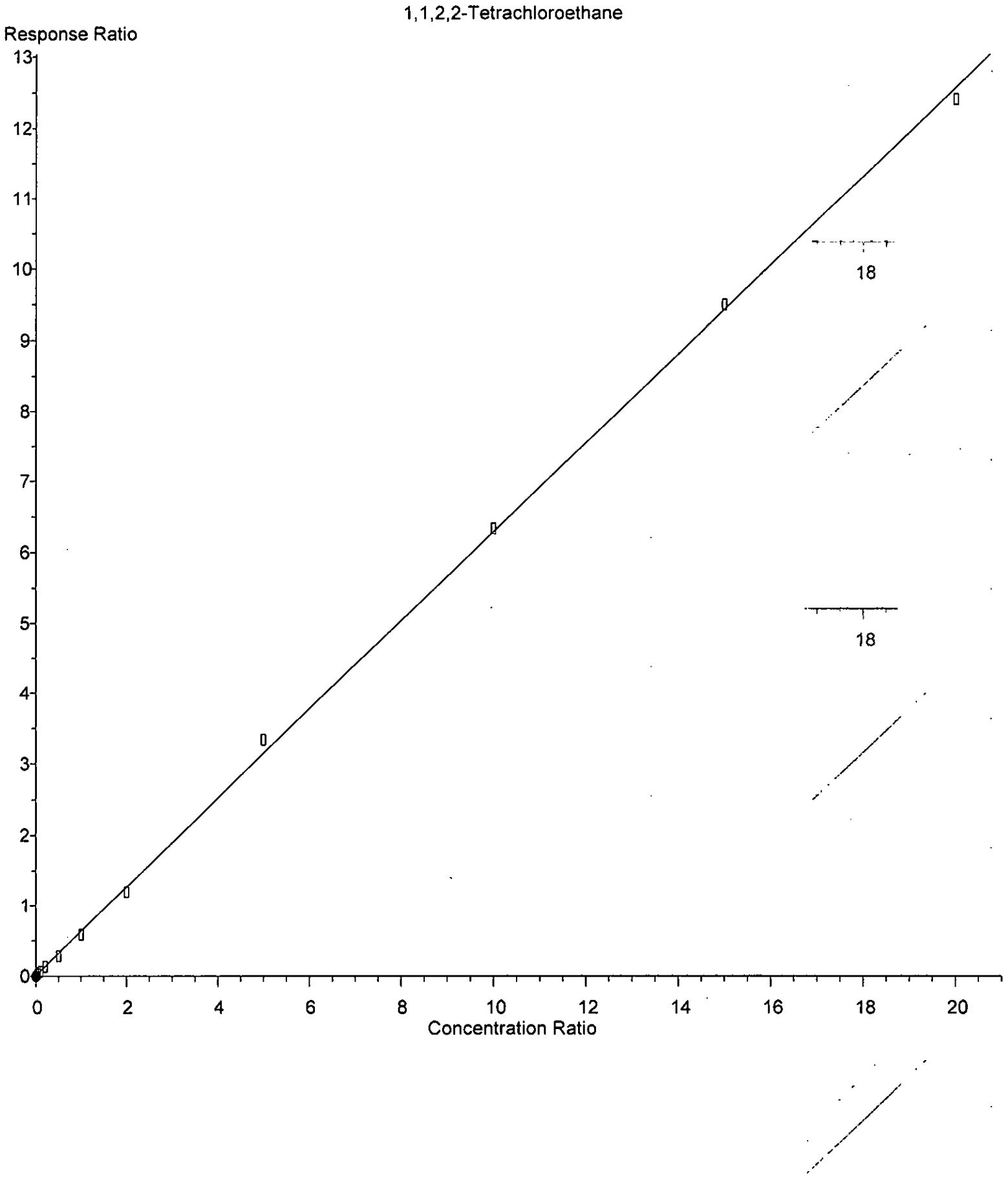


Response = 3.590e-001 * Amt + 2.624e-003
Coef of Det (r^2) = 0.999392 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

m,p-Xylene



Response = 6.004e-001 * Amt + 1.651e-003
Coef of Det (r^2) = 0.997691 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023



Response = 6.284e-001 * Amt + 5.420e-003
Coef of Det (r^2) = 0.999172 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst11\VB022223ms11.M
Calibration Table Last Updated: Thu Feb 23 10:59:04 2023

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	306717	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234300	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	137411	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	90033	10.549	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.50%				
30) 1,2-Dichloroethane-d4	4.36	102	19765	10.422	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 104.20%				
35) Toluene-d8	5.98	98	272380	9.435	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 94.30%				
57) 4-Bromofluorobenzene	8.38	95	97277	9.772	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 97.70%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.	d		
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	506	0.027	ppb		92
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.	d		
10) 2-Propanol	0.00		0	N.D.	d		
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	221	0.024	ppb		99
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.85	73	440	0.021	ppb		96
17] trans-1,2-Dichloroethene	2.83	96	301	0.020	ppb		94
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d		
19) 1,1-Dichloroethane	0.00		0	N.D.	d		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.	d		
22] cis-1,2-Dichloroethene	3.67	96	301	0.021	ppb	#	83
23) Chloroform	0.00		0	N.D.	d		
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d		
27] 1,1,1-Trichloroethane	4.08	97	291	0.022	ppb		93
28) 1,1-Dichloropropene	0.00		0	N.D.	d		
29) Carbon tetrachloride	0.00		0	N.D.	d		
31] Benzene	4.39	78	876	0.027	ppb		95
32] Trichloroethene	4.93	95	315	0.020	ppb		94
33) 1,2-Dichloropropane	0.00		0	N.D.	d		
34) Bromodichloromethane	0.00		0	N.D.	d		
36) Dibromomethane	0.00		0	N.D.	d		

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

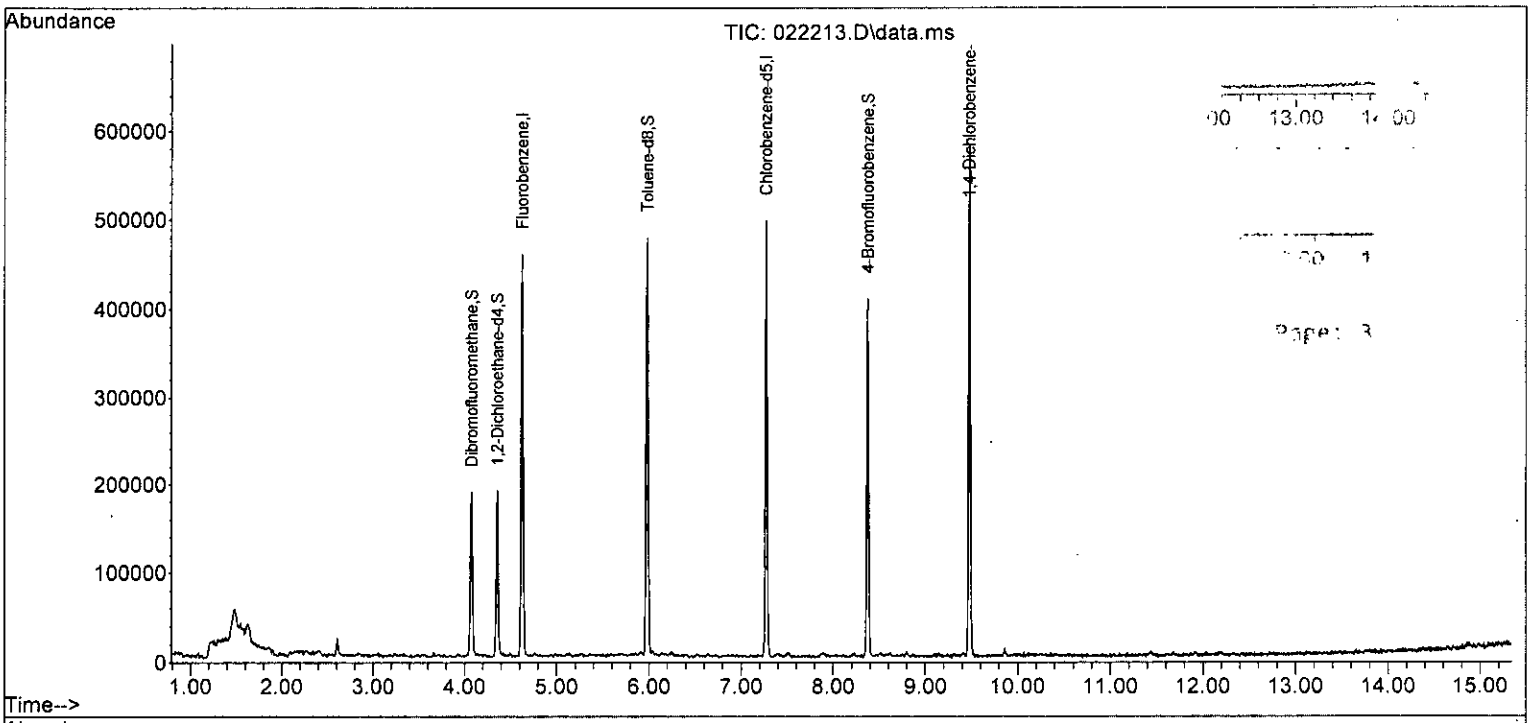
Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

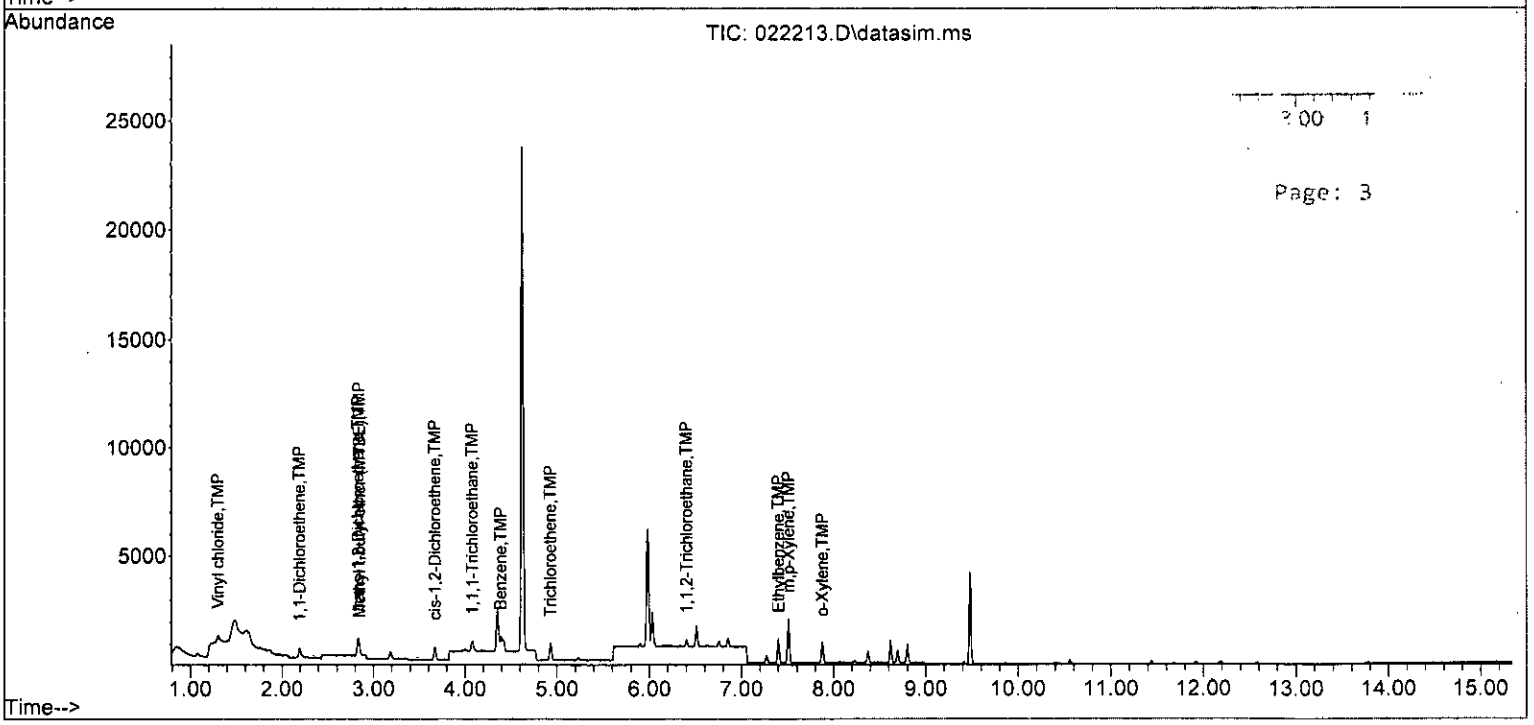
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	163	0.027	ppb	98
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45) Tetrachloroethene	0.00		0	N.D.	d	
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	1127	0.029	ppb	98
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	931	0.039	ppb	99
52] o-Xylene	7.88	106	405	0.027	ppb	97
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	10.549	-5.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.020	0.027	-35.0#	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.020	0.024	-20.0	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.021	-5.0	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.020	0.020	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.020	0.000	100.0#	0	-3.17#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.020	0.021	-5.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.020	0.000	100.0#	0	-4.41#
27	TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	10.422	-4.2	100	0.00
31	TMP	Benzene	0.020	0.027	-35.0#	100	0.00
32	TMP	Trichloroethene	0.020	0.020	0.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	9.435	5.6	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.000	100.0#	0	-6.03#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.020	0.027	-35.0#	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.020	0.000	100.0#	0	-6.51#
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.020	0.029	-45.0#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.027	-35.0#	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.772	2.3	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.68#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.294	-5.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.825	-36.8#	100	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.360	-21.2#	100	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.717	-3.6	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.287	0.491	-71.1#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.000#	100.0#	0#	-3.17#
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.491	-56.9#	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.000#	100.0#	0#	-4.41#
27	TMP	1,1,1-Trichloroethane	0.438	0.474	-8.2	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	1.048	1.428	-36.3#	100	0.00
32	TMP	Trichloroethene	0.329	0.514	-56.2#	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.888	5.6	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.000#	100.0#	0#	-6.03#
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.348	-32.8#	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022213.D
Acq On : 22 Feb 2023 04:56 pm
Operator : LM
Sample : 0.02 ppb 8260 CCV 68-136F
Misc : soil/water
ALS Vial : 2 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:47:42 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.000#	100.0#	0#	-6.51#
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	2.405	-47.4#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.993	-51.4#	100	0.00
52	TMP	o-Xylene	0.643	0.864	-34.4#	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.708	2.2	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	0.000#	100.0#	0#	-11.68#
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

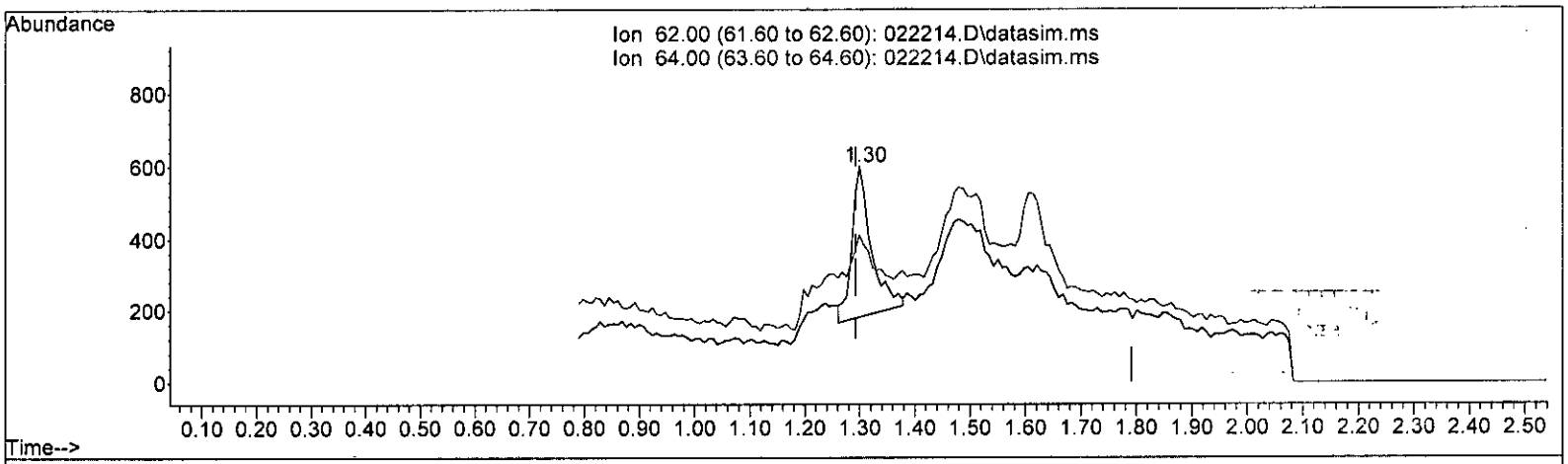
(#) = Out of Range SPCC's out = 56 CCC's out = 0

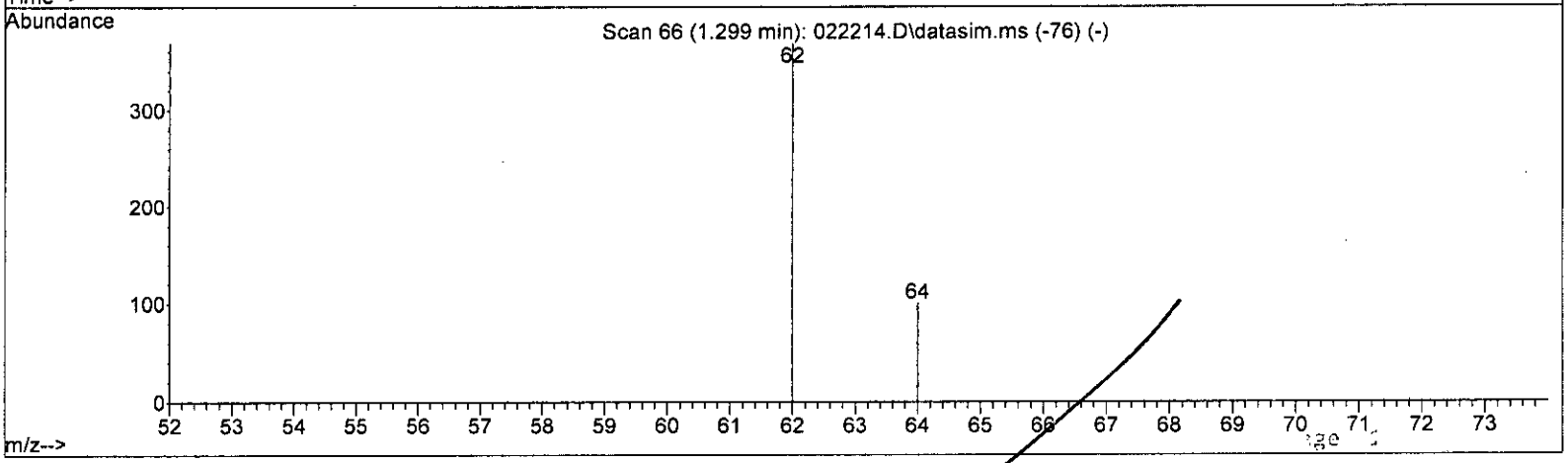
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(6) Vinyl chloride (TMP)
1.299min (+ 0.007) 0.053 ppb
response 1025

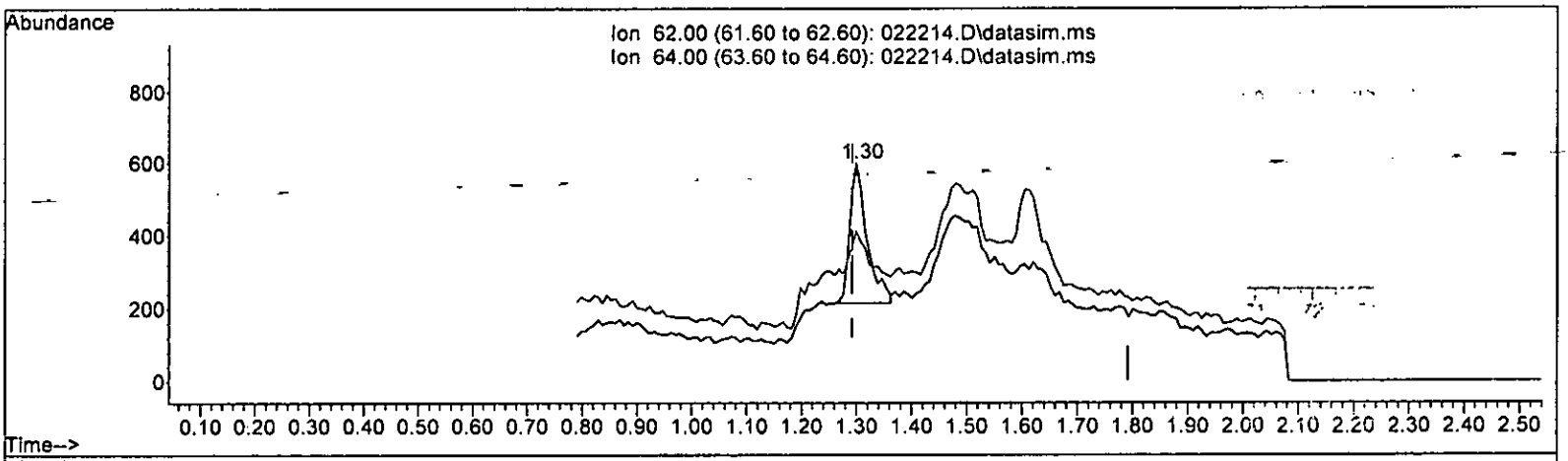
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	31.01
0.00	0.00	0.00
0.00	0.00	0.00

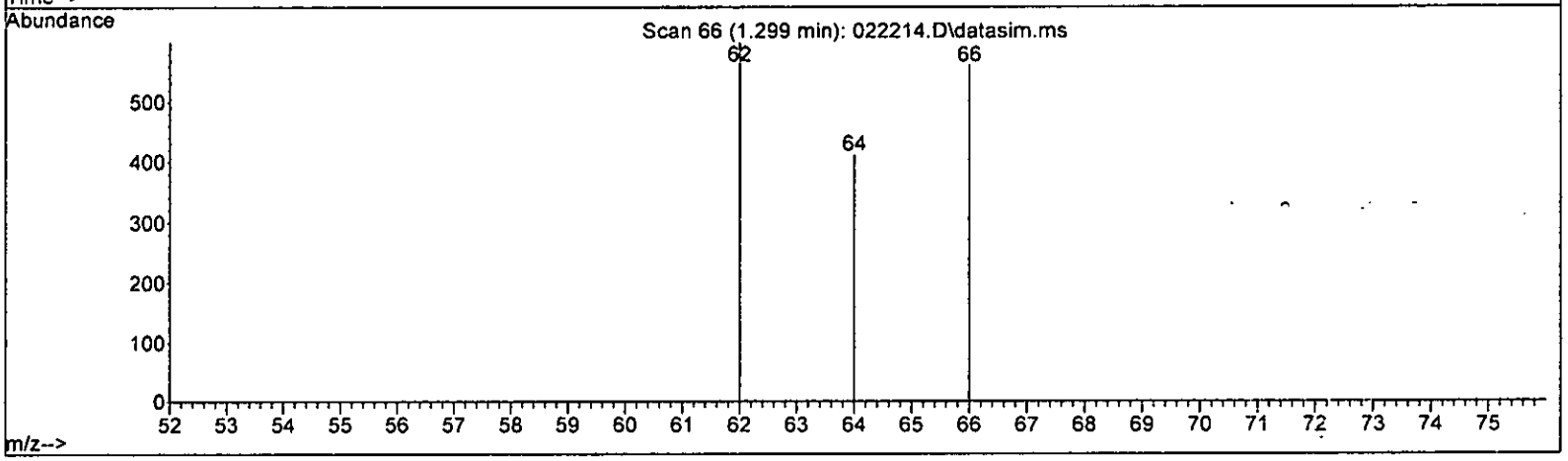
m2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(6) Vinyl chloride (TMP)

1.299min (+ 0.007) 0.042 ppb m

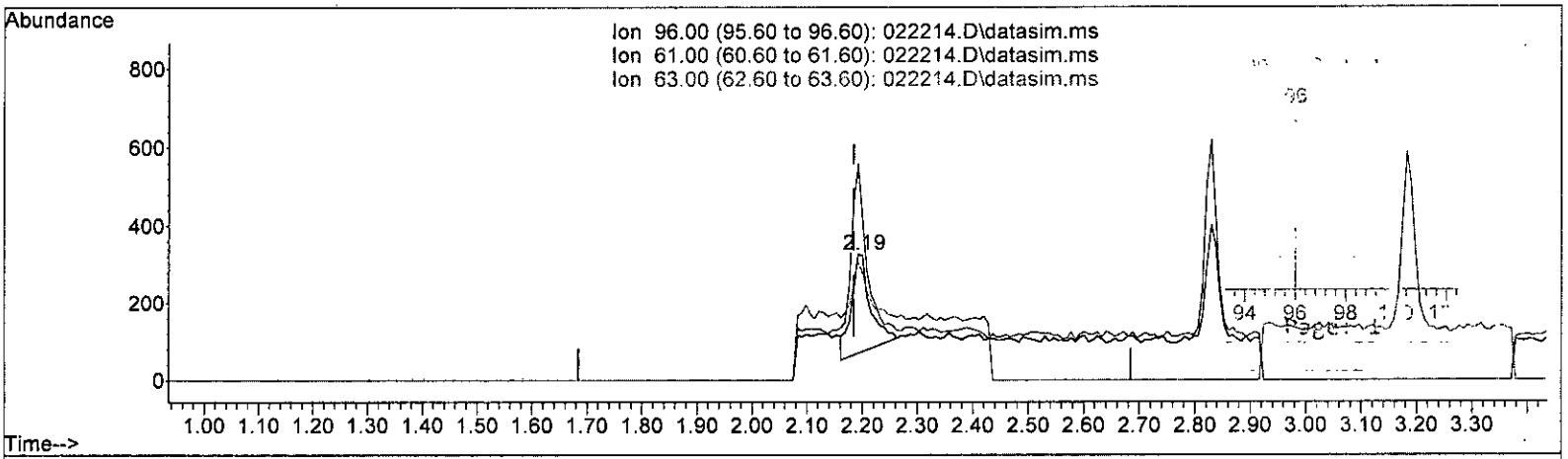
response 820

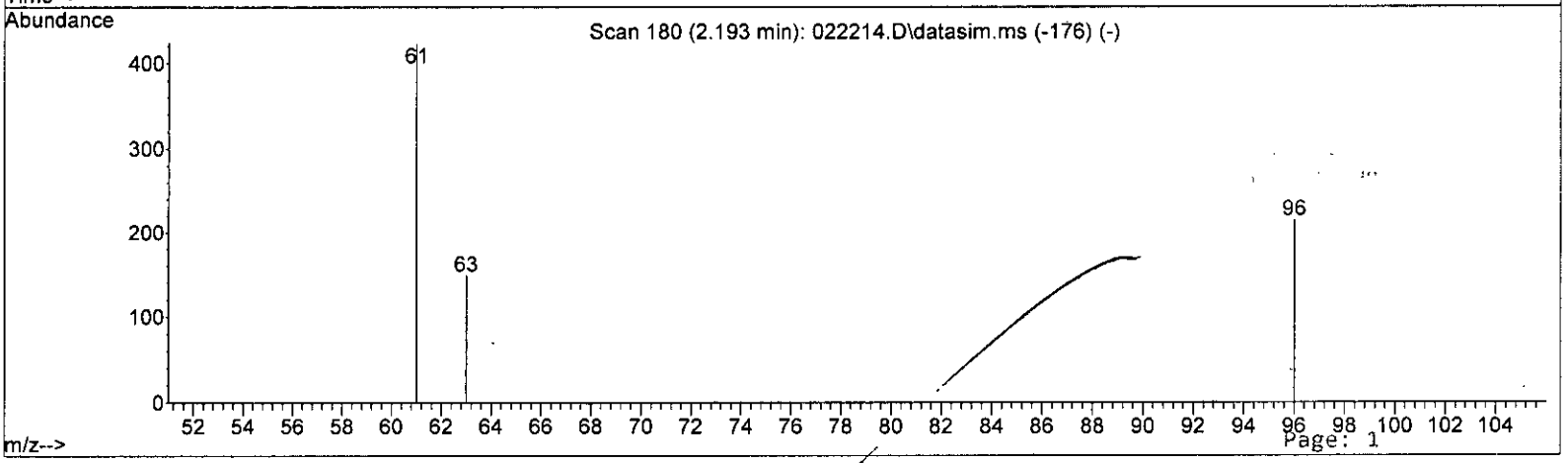
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	68.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

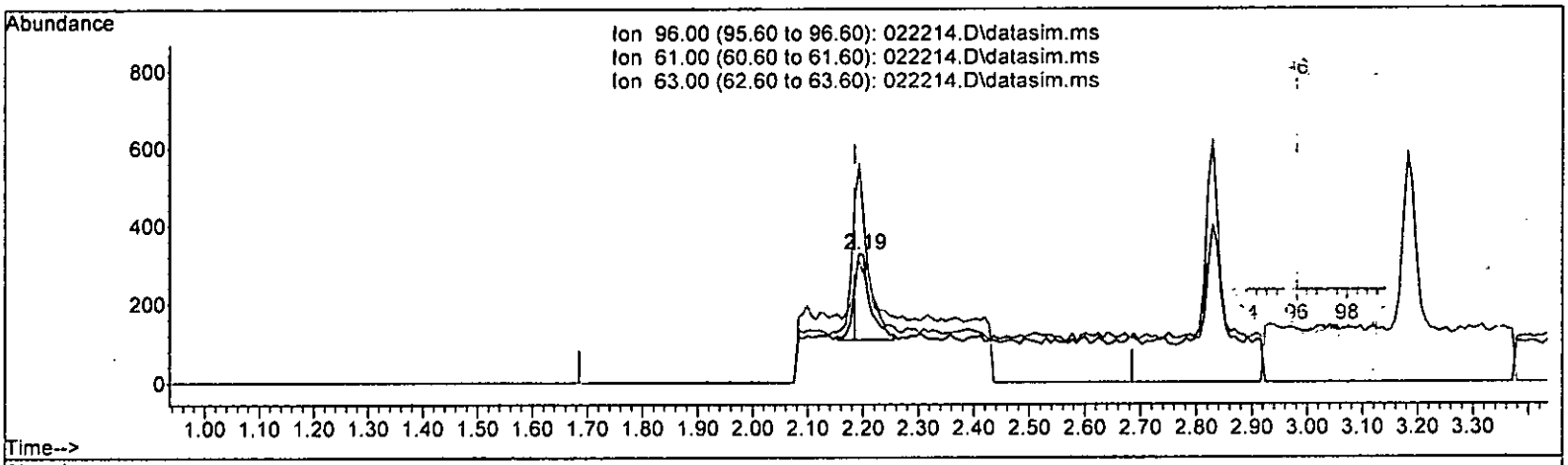
(12) 1,1-Dichloroethene (TMP)
2.193min (+ 0.008) 0.064 ppb
response 612

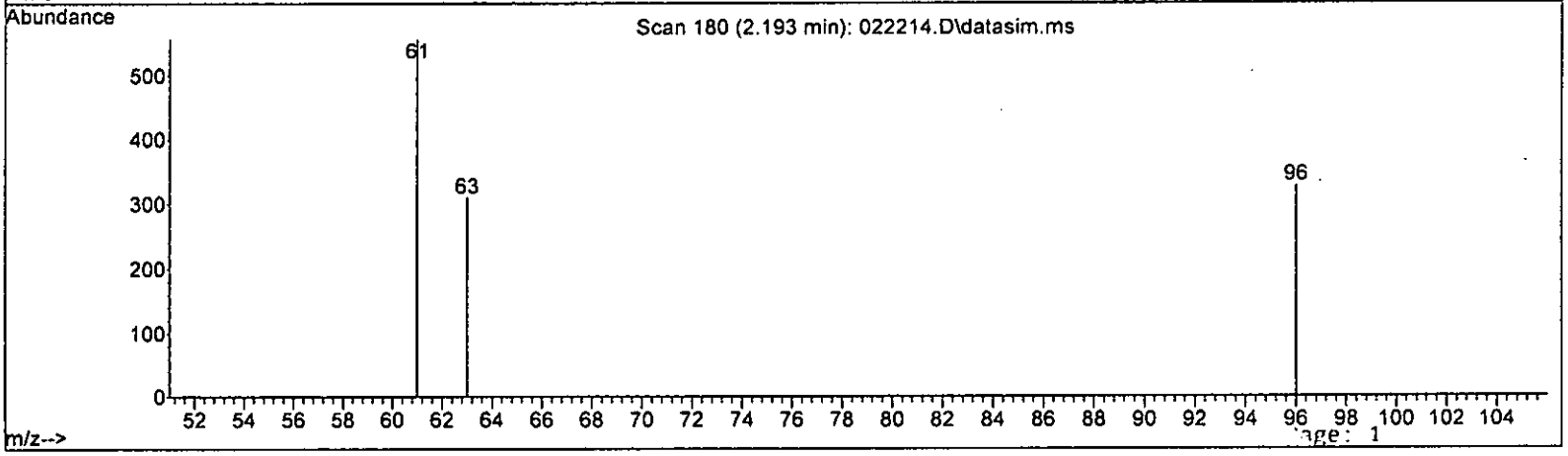
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	196.79
63.00	57.40	67.89
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

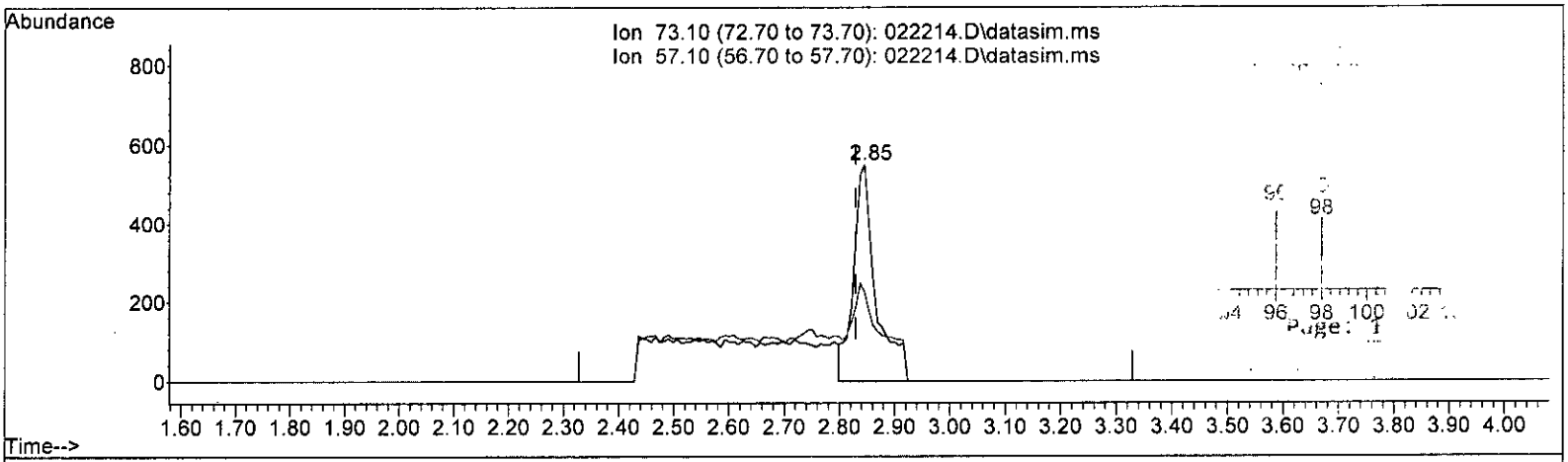
(12) 1,1-Dichloroethene (TMP)
2.193min (+ 0.008) 0.047 ppb m
response 446

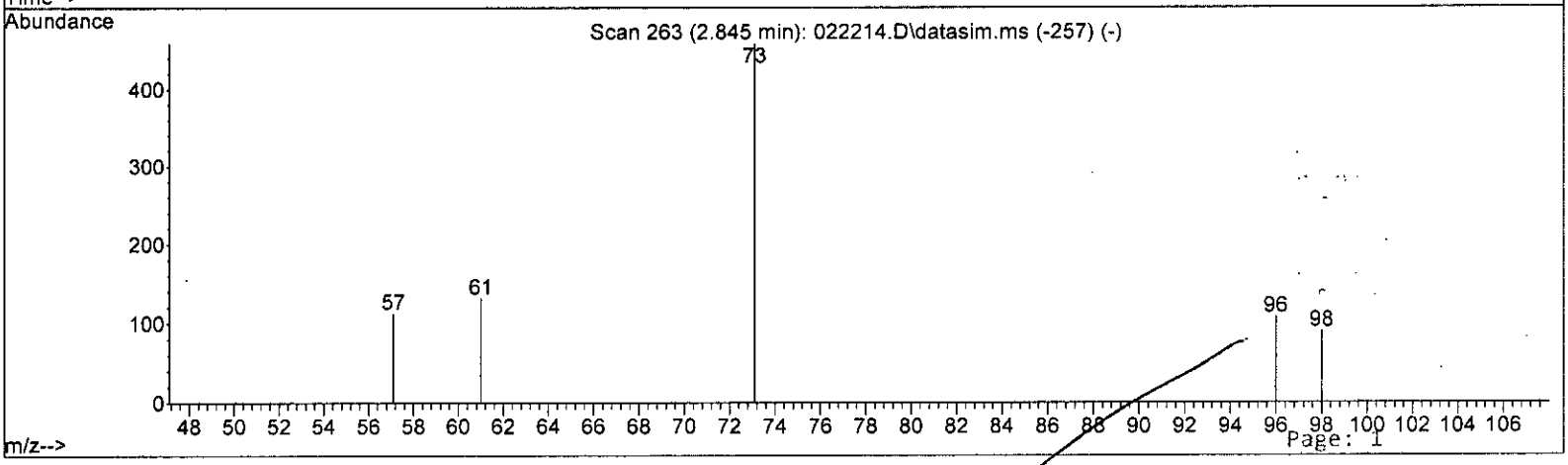
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	170.64
63.00	57.40	94.50#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022214.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.016) 0.069 ppb

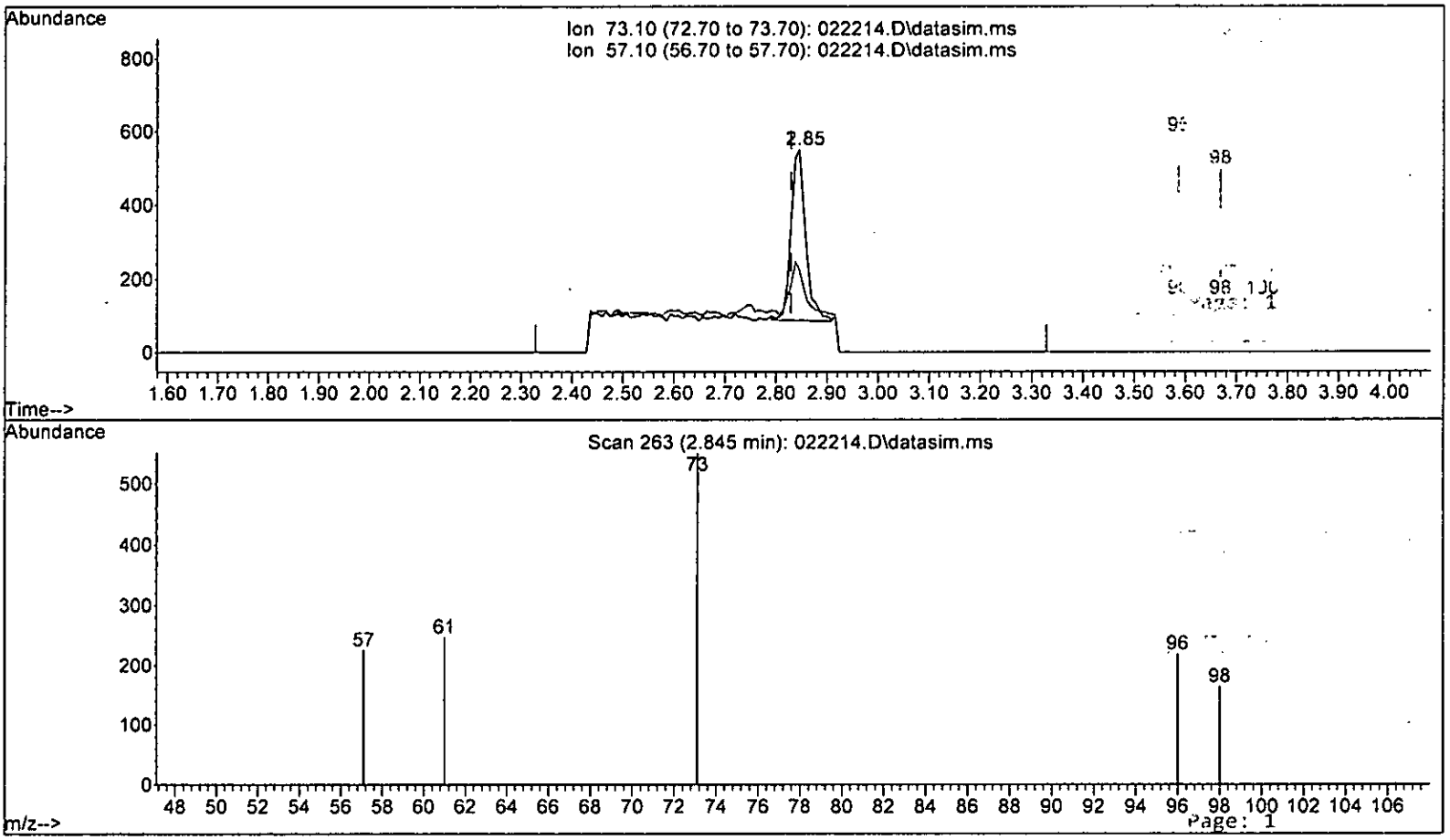
response 1547

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	40.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Page: 1

TIC: 022214.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.845min (+ 0.016) 0.042 ppb m

response 932

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	40.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	322266	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	257183	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	153339	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	89871	10.022	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.20%			
30) 1,2-Dichloroethane-d4	4.36	102	21305	10.692	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.90%			
35) Toluene-d8	5.98	98	304355	10.034	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.30%			
57) 4-Bromofluorobenzene	8.38	95	111708	10.056	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	820m	0.042	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.19	96	446m	0.047	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.85	73	932m	0.042	ppb	
17] trans-1,2-Dichloroethene	2.83	96	482	0.040	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	762	0.045	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	466	0.037	ppb	90
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.42	62	927	0.045	ppb	94
27] 1,1,1-Trichloroethane	4.08	97	602	0.043	ppb	93
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.38	78	1571	0.046	ppb	90
32] Trichloroethene	4.93	95	528	0.040	ppb	93
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

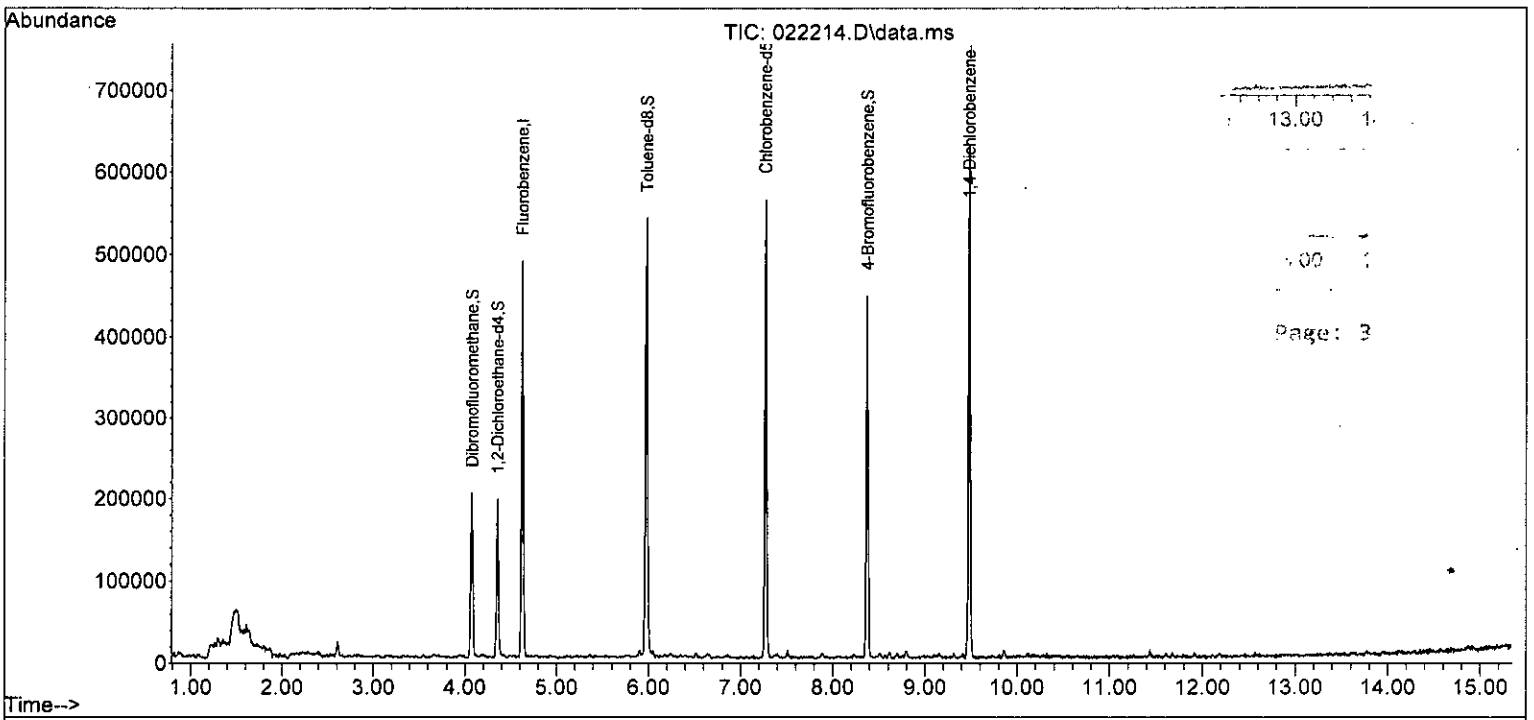
Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

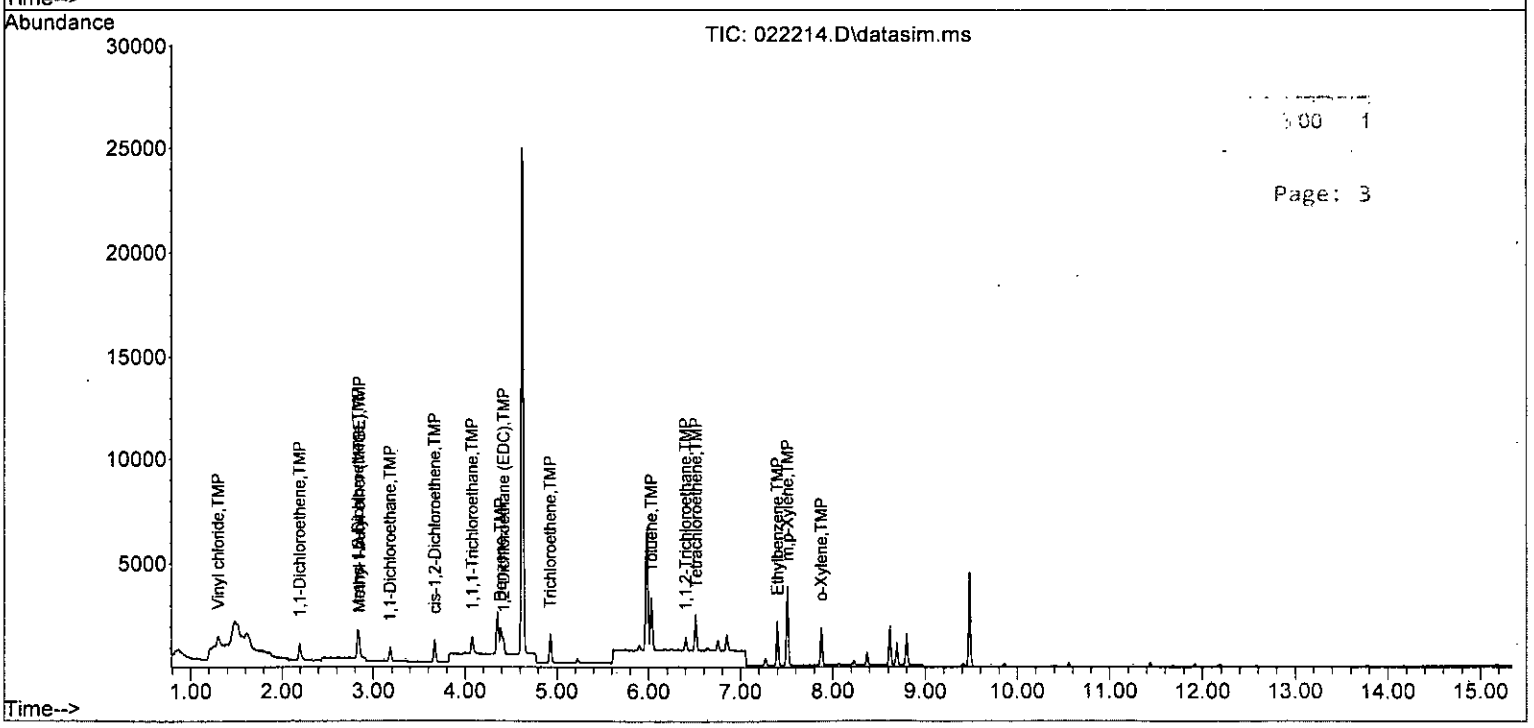
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.03	92	1296	0.059	ppb	96
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	337	0.050	ppb	92
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	602	0.058	ppb	97
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	2140	0.051	ppb	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	1757	0.086	ppb	98
52] o-Xylene	7.88	106	826	0.050	ppb	99
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	10.022	-0.2	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.040	0.042	-5.0	94	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.040	0.047	-17.5	104	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.040	0.040	0.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.040	0.045	-12.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.040	0.037	7.5	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.045	-12.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.043	-7.5	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	10.692	-6.9	100	0.00
31	TMP	Benzene	0.040	0.046	-15.0	100	0.00
32	TMP	Trichloroethene	0.040	0.040	0.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	10.034	-0.3	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.059	-47.5#	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.040	0.050	-25.0#	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.040	0.058	-45.0#	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.85#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.040	0.051	-27.5#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.080	0.086	-7.5	100	0.00
52	TMP	o-Xylene	0.040	0.050	-25.0#	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.056	-0.6	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.68#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.279	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.636	-5.5	94	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.346	-16.5	104	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.723	-4.5	100	0.02
17	TMP	trans-1,2-Dichloroethene	0.287	0.374	-30.3#	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.591	-12.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.362	-15.7	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.719	-62.7#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.467	-6.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.219	-16.3	100	0.00
32	TMP	Trichloroethene	0.329	0.410	-24.6#	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.944	-0.3	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	1.260	-46.7#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.328	-25.2#	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022214.D
Acq On : 22 Feb 2023 05:18 pm
Operator : LM
Sample : 0.04 ppb 8260 CCV68-136G
Misc : soil/water
ALS Vial : 3 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:41 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

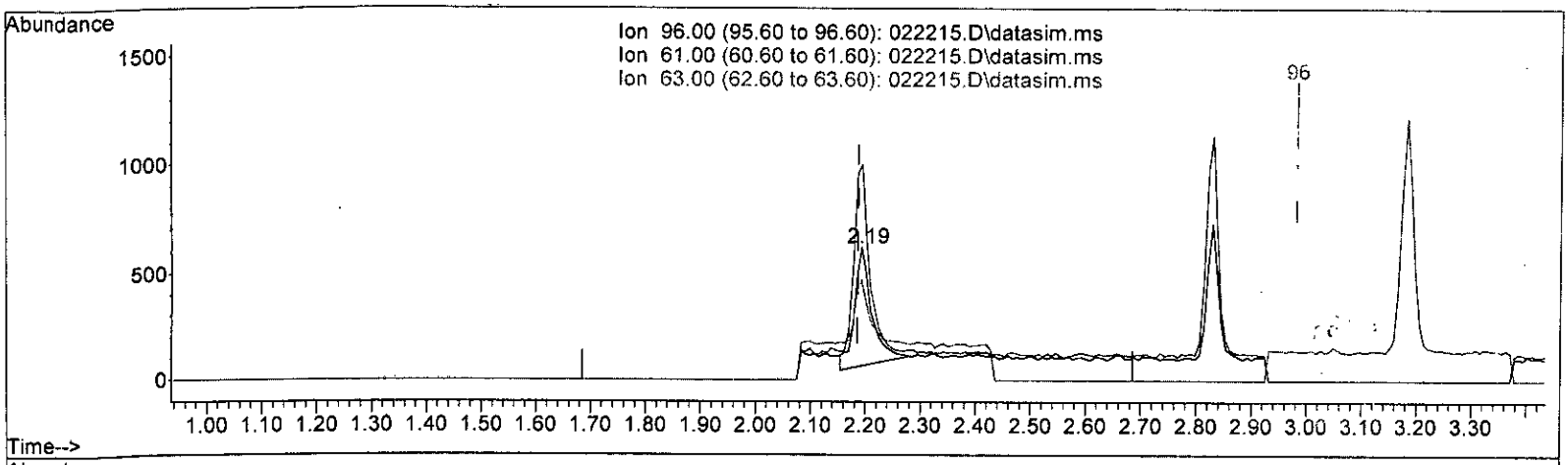
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.585	-45.2#	100	0.00
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.000#	100.0#	0#	-6.85#
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	2.080	-27.5#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.854	-30.2#	100	0.00
52	TMP	o-Xylene	0.643	0.803	-24.9#	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.729	-0.7	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	0.000#	100.0#	0#	-11.68#
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

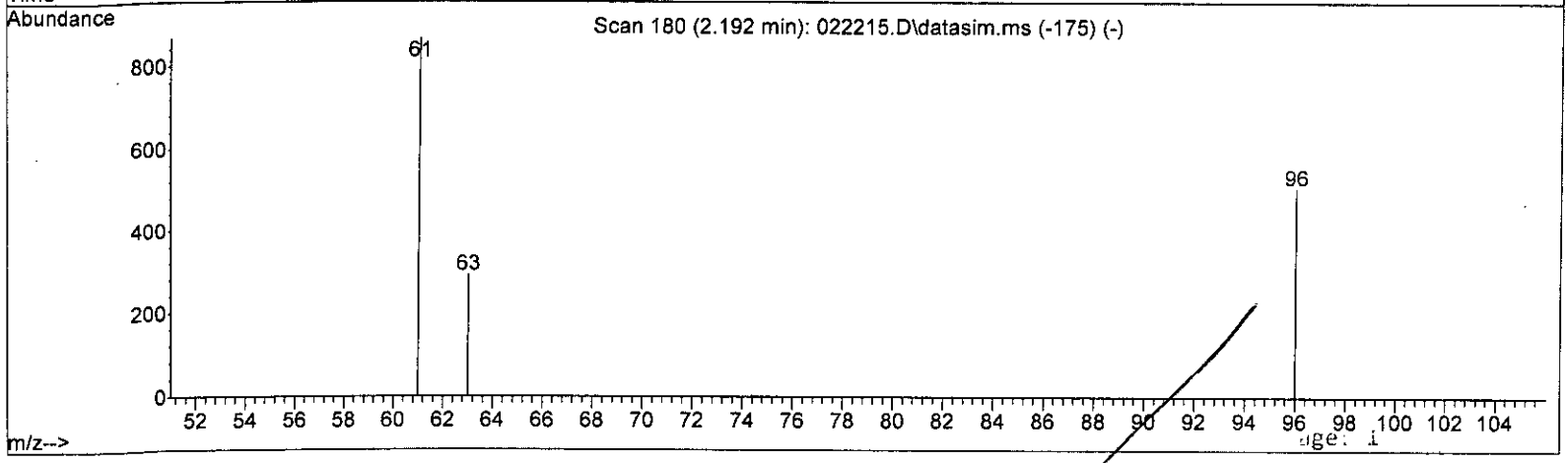
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.192min (+ 0.007) 0.126 ppb
response 1213

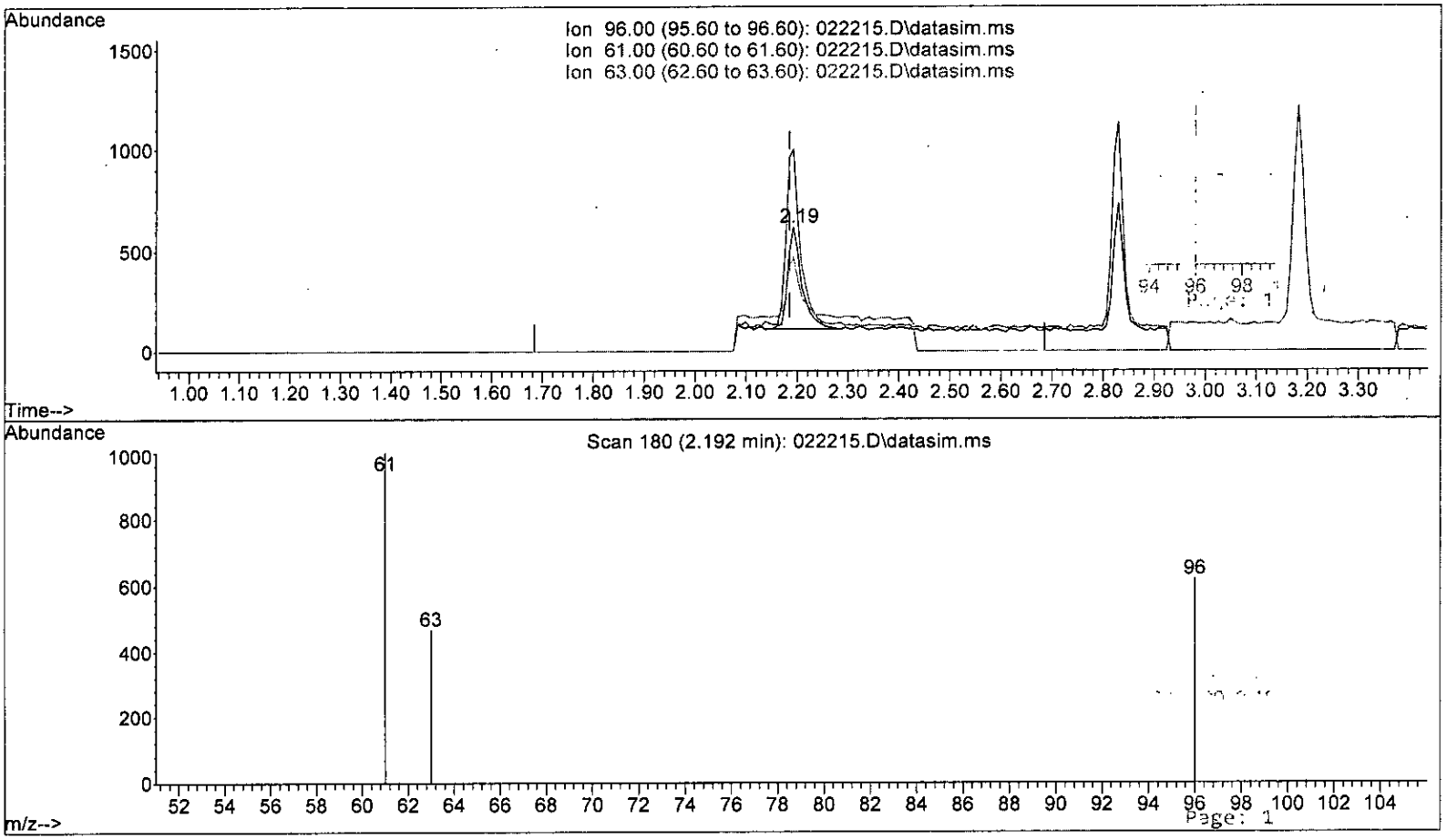
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	170.81
63.00	57.40	58.78
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022215.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.192min (+ 0.007) 0.101 ppb m

response 965

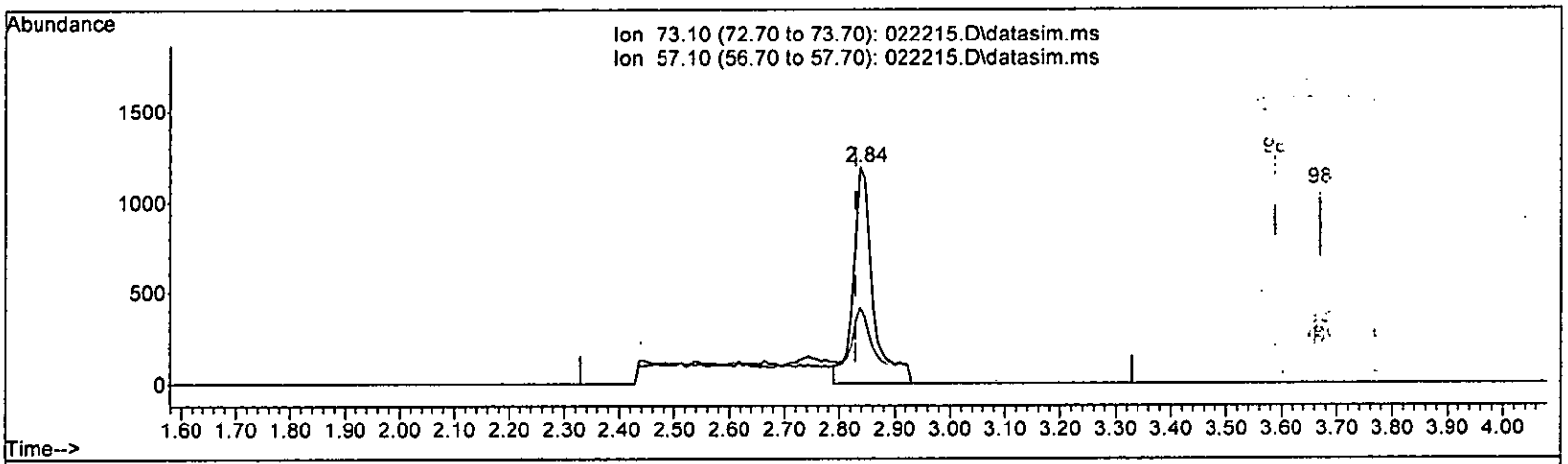
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	175.60	161.71
63.00	57.40	75.44
0.00	0.00	0.00

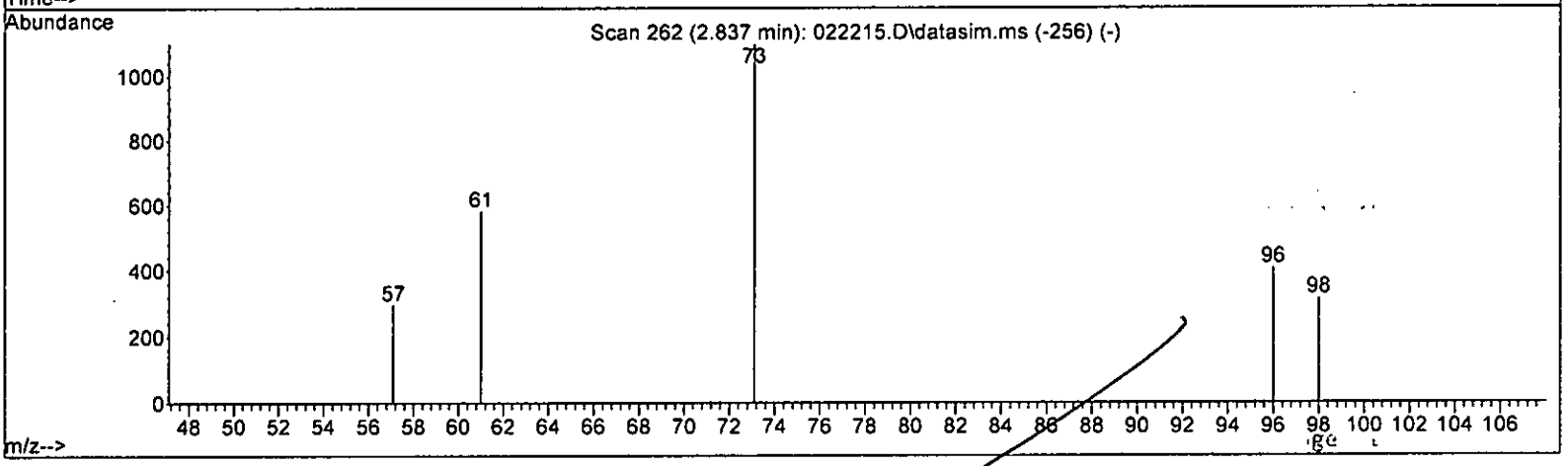
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.129 ppb

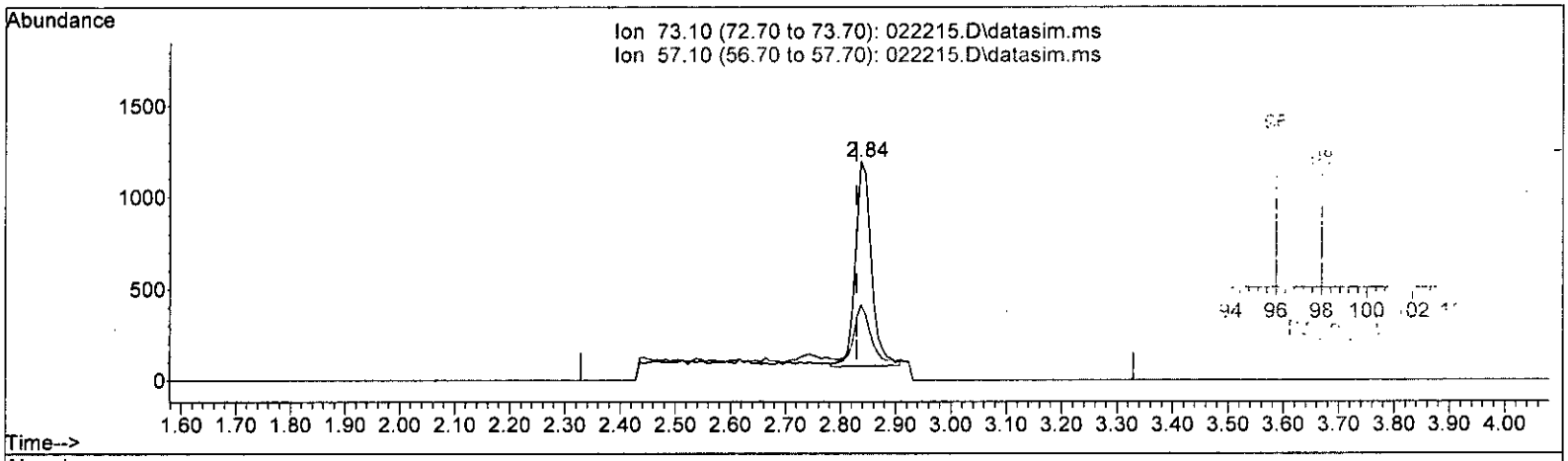
response 2891

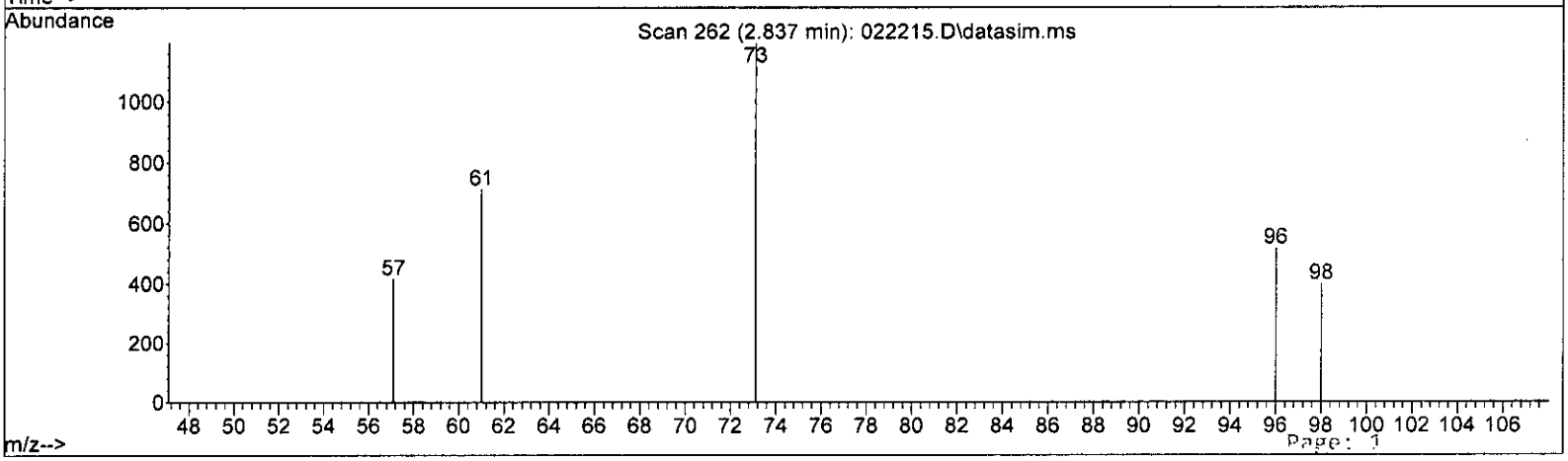
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	34.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022215.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.100 ppb m

response 2244

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	34.67
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	323431	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	257268	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	152741	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	88142	9.794	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.90%			
30) 1,2-Dichloroethane-d4	4.36	102	19391	9.696	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 97.00%			
35) Toluene-d8	5.98	98	305663	10.041	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 100.40%			
57) 4-Bromofluorobenzene	8.37	95	111126	10.043	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.30	62	1983	0.102	ppb	97
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.19	96	965m	0.101	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16] Methyl t-butyl ether (...	2.84	73	2244m	0.100	ppb	
17] trans-1,2-Dichloroethene	2.83	96	920	0.093	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.18	63	1690	0.100	ppb	99
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.67	96	982	0.093	ppb	86
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.41	62	1609	0.095	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	1351	0.095	ppb	93
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.38	78	3371	0.099	ppb	95
32] Trichloroethene	4.93	95	1058	0.095	ppb	93
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

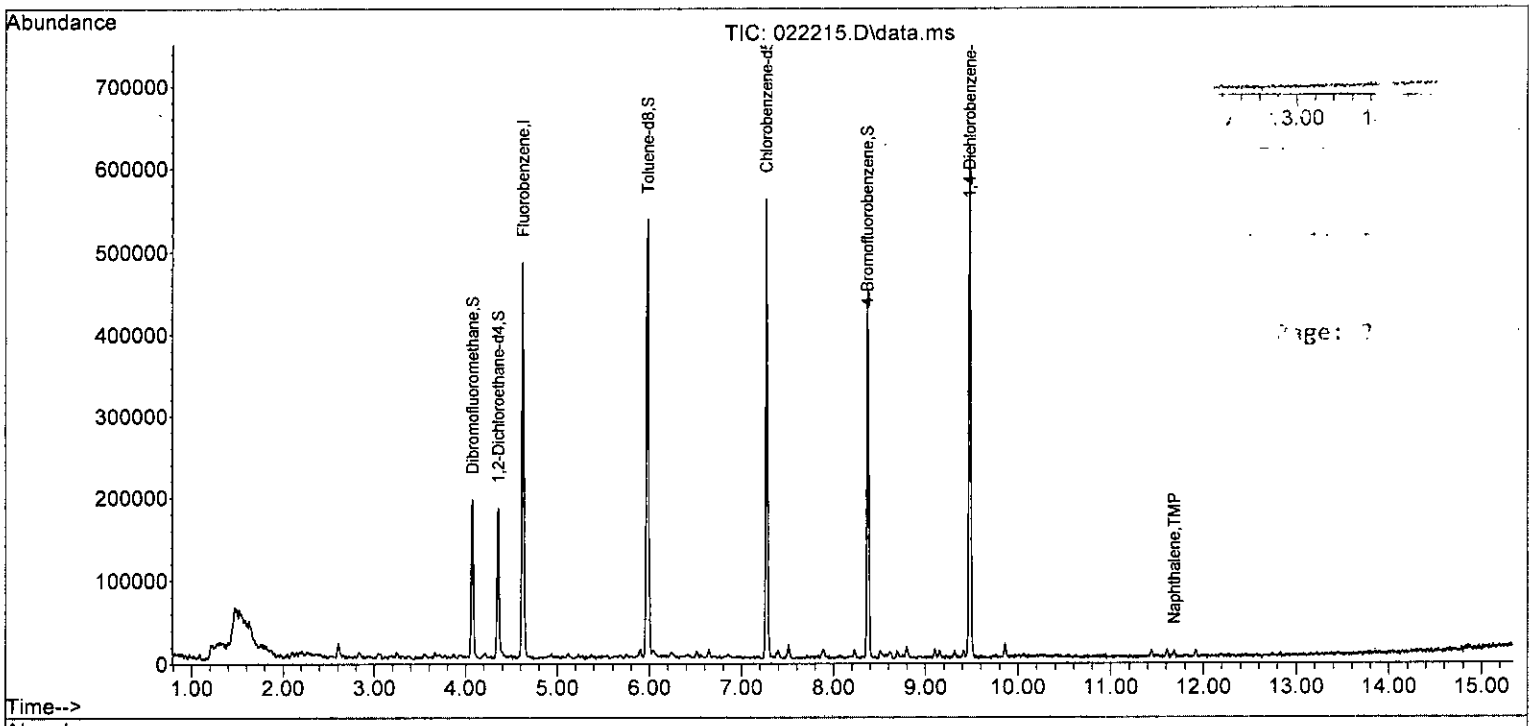
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40] Toluene	6.03	92	2426	0.110	ppb	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42] 1,1,2-Trichloroethane	6.40	83	705	0.105	ppb	99
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.51	164	1161	0.112	ppb	93
46) Dibromochloromethane	0.00		0	N.D.	d	
47] 1,2-Dibromoethane (EDB)	6.85	107	1037	0.119	ppb	94
48) Chlorobenzene	0.00		0	N.D.	d	
49] Ethylbenzene	7.40	91	4310	0.103	ppb	100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51] m,p-Xylene	7.51	106	3409	0.193	ppb	95
52] o-Xylene	7.88	106	1645	0.099	ppb	98
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	11.68	128	4775	0.121	ppb	96
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

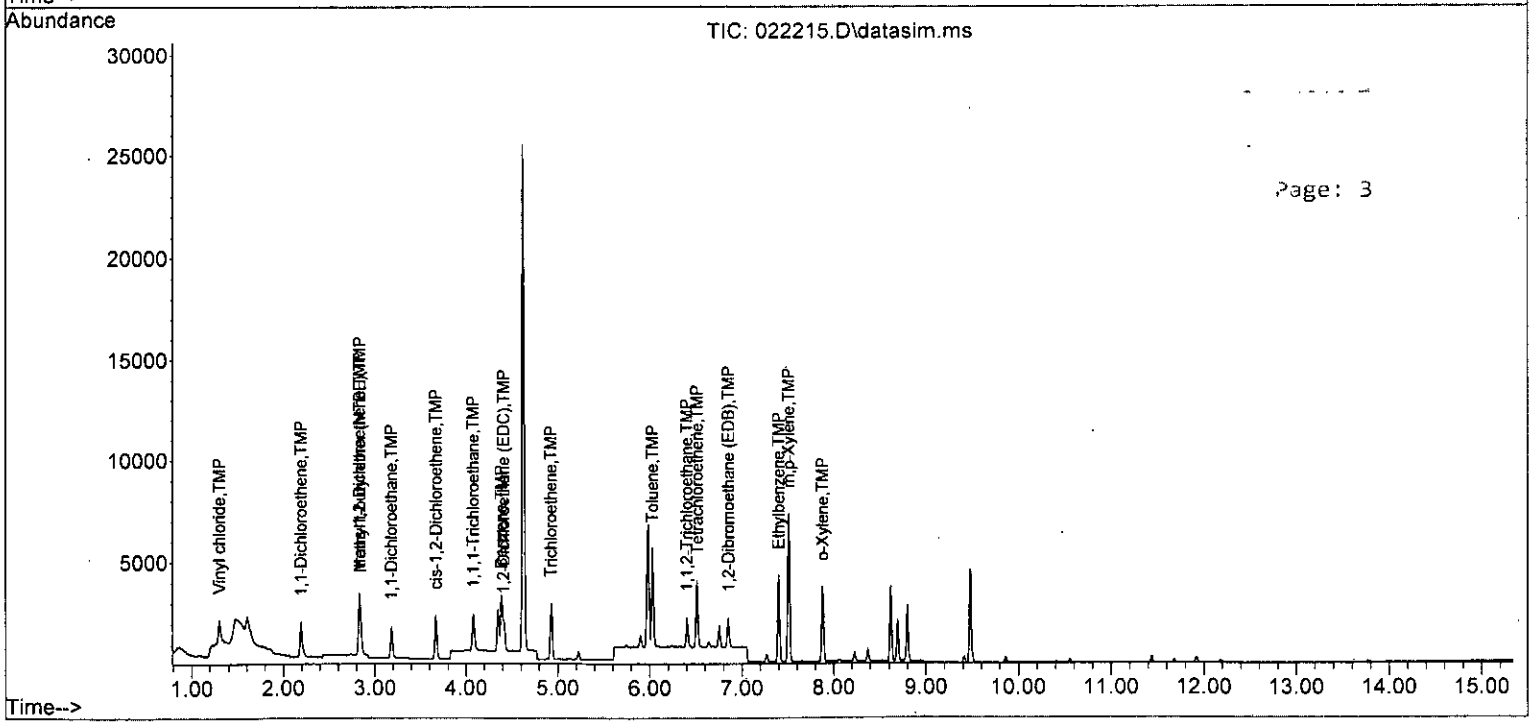
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	9.794	2.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.100	0.102	-2.0	100	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.77#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.39#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.100	0.101	-1.0	87	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.100	0.0	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.093	7.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.24#
19	TMP	1,1-Dichloroethane	0.100	0.100	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.54#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.100	0.093	7.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-3.94#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.095	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.095	5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.21#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.21#
30	S	1,2-Dichloroethane-d4	10.000	9.696	3.0	100	0.00
31	TMP	Benzene	0.100	0.099	1.0	100	0.00
32	TMP	Trichloroethene	0.100	0.095	5.0	100	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.13#
34	TMP	Bromodichloromethane	-1.000	0.000	0.0	0	-5.37#
35	S	Toluene-d8	10.000	10.041	-0.4	100	0.01
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.22#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-5.89#
38	TMP	cis-1,3-Dichloropropene	-1.000	0.000	0.0	0	-5.75#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.110	-10.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.25#
42	TMP	1,1,2-Trichloroethane	0.100	0.105	-5.0	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.55#
45	TMP	Tetrachloroethene	0.100	0.112	-12.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.119	-19.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.29#
49	TMP	Ethylbenzene	0.100	0.103	-3.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.38#
51	TMP	m,p-Xylene	0.200	0.193	3.5	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-7.90#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.23#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.07#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.043	-0.4	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.62#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.51#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.53#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.56#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.70#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.80#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.10#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.15#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.31#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.46#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.41#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.50#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.44#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.61#
75	TMP	Naphthalene	0.100	0.121	-21.0#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-11.92#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.273	1.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.613	-1.7	100	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.000#	100.0#	0#	-1.77#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.39#
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.298	-0.3	87	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.694	-0.3	102	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.284	1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.000#	100.0#	0#	-3.24#
19	TMP	1,1-Dichloroethane	0.524	0.523	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.000#	100.0#	0#	-3.54#
21	TMP	2,2-Dichloropropane	0.330	0.000#	100.0#	0#	-3.66#
22	TMP	cis-1,2-Dichloroethene	0.313	0.304	2.9	100	0.00
23	TMP	Chloroform	0.473	0.000#	100.0#	0#	-3.94#
24	TMP	2-Butanone (MEK)	0.246	0.000#	100.0#	0#	-3.70#
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.000#	100.0#	0#	-4.49#
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.497	-12.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.418	4.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.000#	100.0#	0#	-4.21#
29	TMP	Carbon tetrachloride	0.410	0.000#	100.0#	0#	-4.21#
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	1.048	1.042	0.6	100	0.00
32	TMP	Trichloroethene	0.329	0.327	0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.000#	100.0#	0#	-5.13#
34	TMP	Bromodichloromethane	0.351	0.000#	100.0#	0#	-5.37#
35	S	Toluene-d8	0.941	0.945	-0.4	100	0.01
36	TMP	Dibromomethane	0.176	0.000#	100.0#	0#	-5.22#
37	TMP	4-Methyl-2-pentanone	0.049	0.000#	100.0#	0#	-5.89#
38	TMP	cis-1,3-Dichloropropene	0.407	0.000#	100.0#	0#	-5.75#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.943	-9.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.000#	100.0#	0#	-6.25#
42	TMP	1,1,2-Trichloroethane	0.262	0.274	-4.6	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022215.D
Acq On : 22 Feb 2023 05:41 pm
Operator : LM
Sample : 0.1 ppb 8260 CCV 68-136H
Misc : soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:45 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.000#	100.0#	0#	-6.55#
45	TMP	Tetrachloroethene	0.403	0.451	-11.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.000#	100.0#	0#	-6.75#
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.403	-18.5	100	0.00
48	TMP	Chlorobenzene	0.941	0.000#	100.0#	0#	-7.29#
49	TMP	Ethylbenzene	1.632	1.675	-2.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.000#	100.0#	0#	-7.38#
51	TMP	m,p-Xylene	0.656	0.663	-1.1	100	0.00
52	TMP	o-Xylene	0.643	0.639	0.6	100	0.00
53	TMP	Styrene	0.964	0.000#	100.0#	0#	-7.90#
54	TMP	Isopropylbenzene	1.476	0.000#	100.0#	0#	-8.23#
55	TMP	Bromoform	0.315	0.000#	100.0#	0#	-8.07#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.728	-0.6	100	0.00
58	TMP	n-Propylbenzene	2.900	0.000#	100.0#	0#	-8.62#
59	TMP	Bromobenzene	0.834	0.000#	100.0#	0#	-8.51#
60	TMP	1,3,5-Trimethylbenzene	2.137	0.000#	100.0#	0#	-8.79#
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.000#	100.0#	0#	-8.53#
62	TMP	1,2,3-Trichloropropane	0.509	0.000#	100.0#	0#	-8.56#
63	TMP	2-Chlorotoluene	1.744	0.000#	100.0#	0#	-8.70#
64	TMP	4-Chlorotoluene	2.005	0.000#	100.0#	0#	-8.80#
65	TMP	tert-Butylbenzene	1.993	0.000#	100.0#	0#	-9.10#
66	TMP	1,2,4-Trimethylbenzene	2.220	0.000#	100.0#	0#	-9.15#
67	TMP	sec-Butylbenzene	2.802	0.000#	100.0#	0#	-9.31#
68	TMP	p-Isopropyltoluene	2.495	0.000#	100.0#	0#	-9.46#
69	TMP	1,3-Dichlorobenzene	1.485	0.000#	100.0#	0#	-9.41#
70	TMP	1,4-Dichlorobenzene	1.468	0.000#	100.0#	0#	-9.50#
71	TMP	1,2-Dichlorobenzene	1.425	0.000#	100.0#	0#	-9.86#
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	0.000#	100.0#	0#	-11.44#
74	TMP	Hexachlorobutadiene	0.553	0.000#	100.0#	0#	-11.61#
75	TMP	Naphthalene	2.586	3.126	-20.9#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	0.000#	100.0#	0#	-11.92#

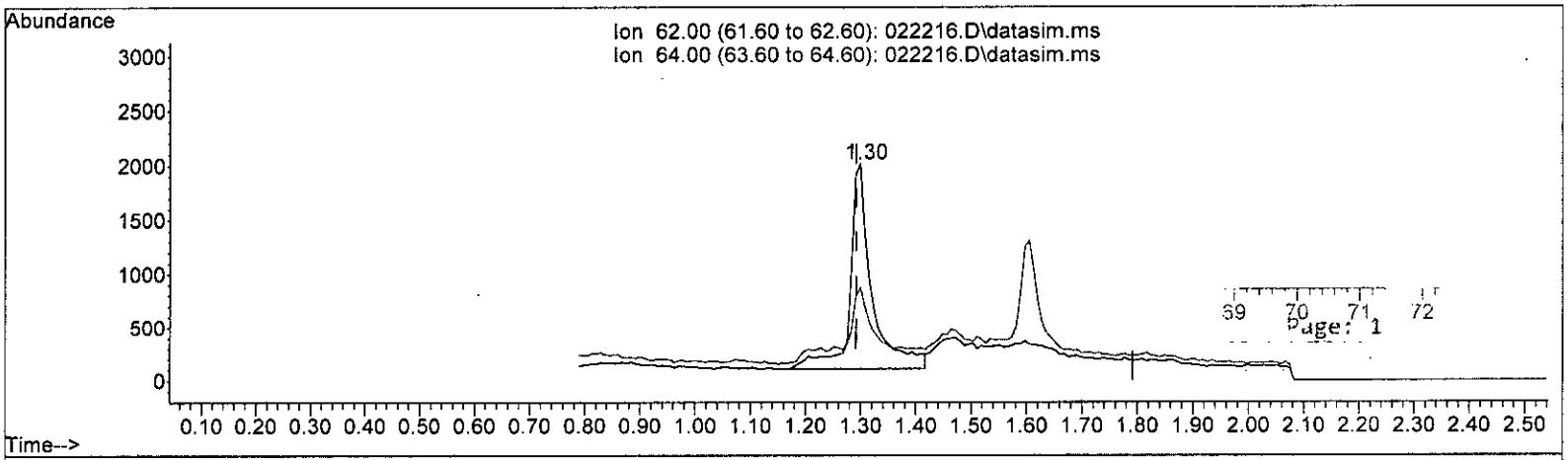
(#) = Out of Range SPCC's out = 50 CCC's out = 0

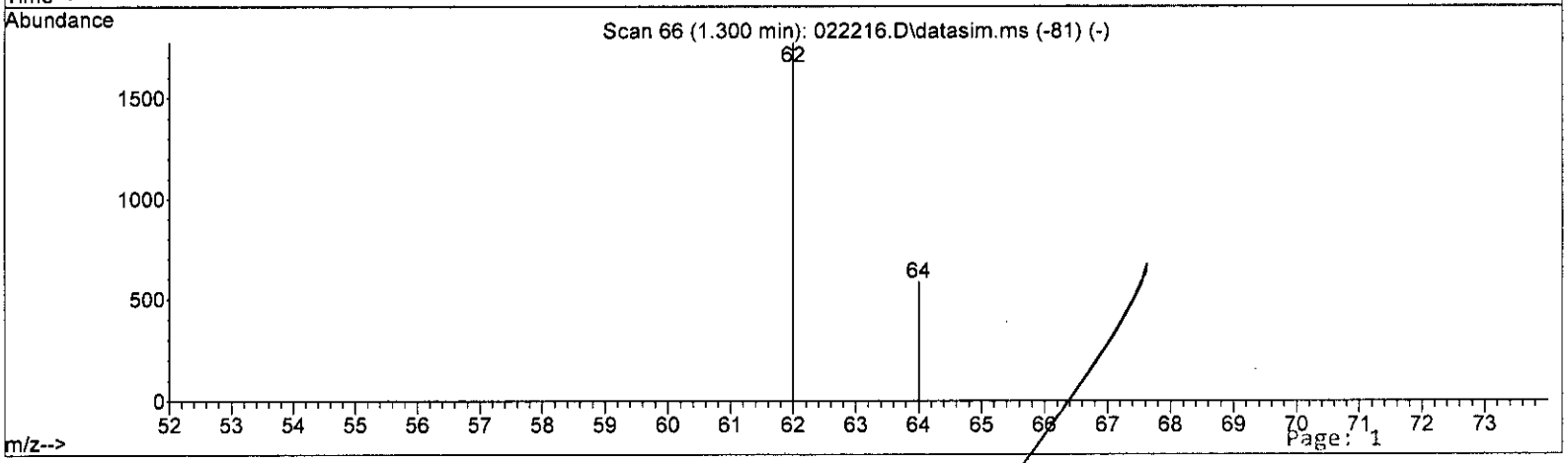
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(6) Vinyl chloride (TMP)
1.300min (+ 0.008) 0.284 ppb
response 5298

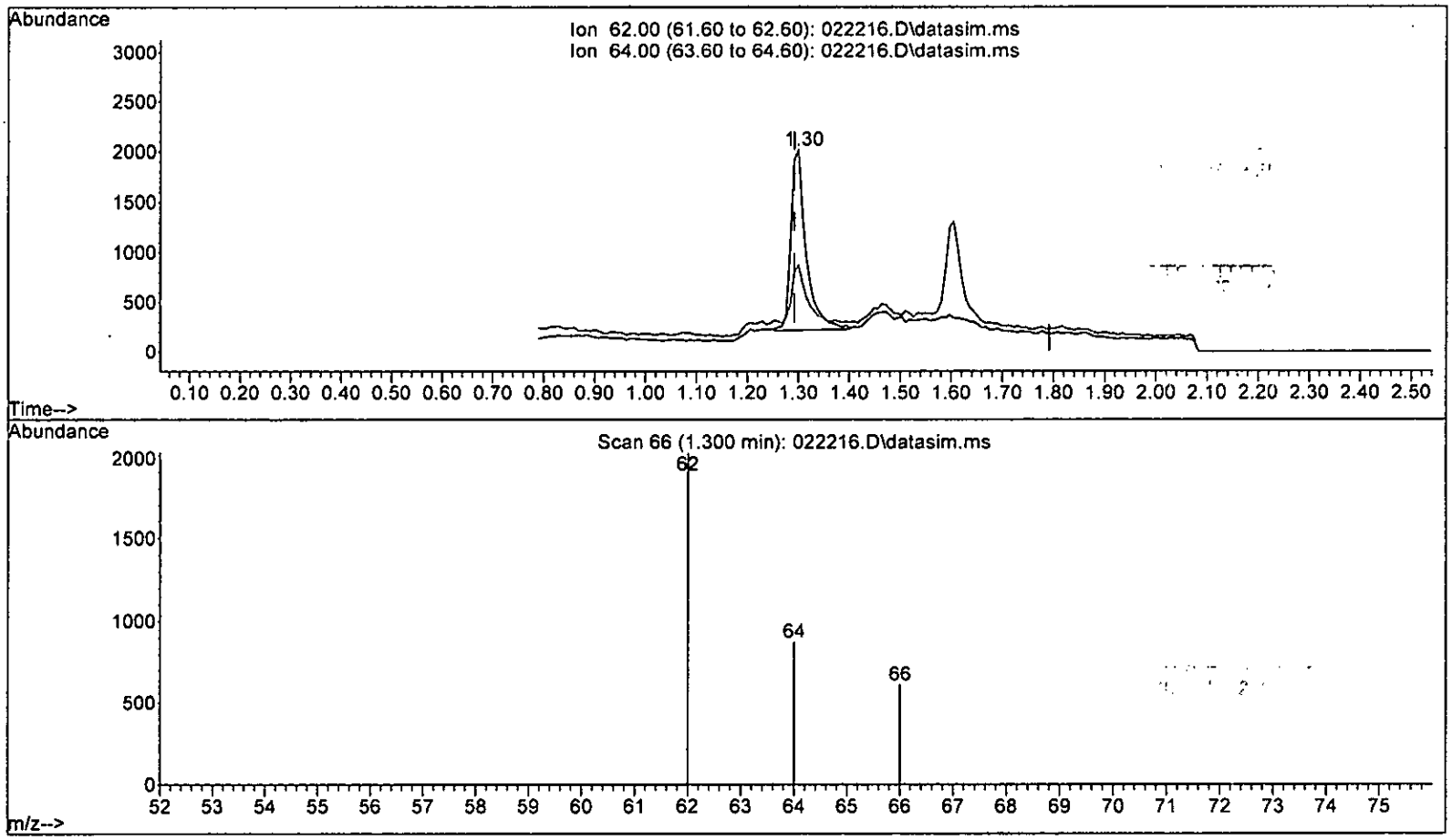
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	37.44
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022216.D\data.ms

(6) Vinyl chloride (TMP)

1.300min (+ 0.008) 0.199 ppb m

response 3708

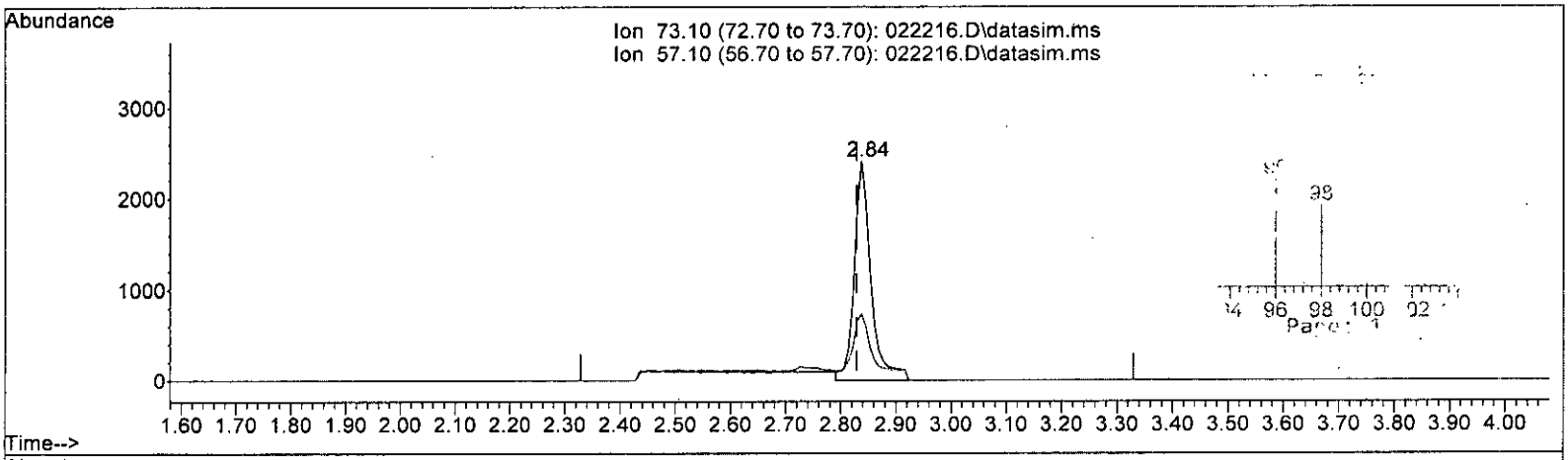
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	26.90	43.30
0.00	0.00	0.00
0.00	0.00	0.00

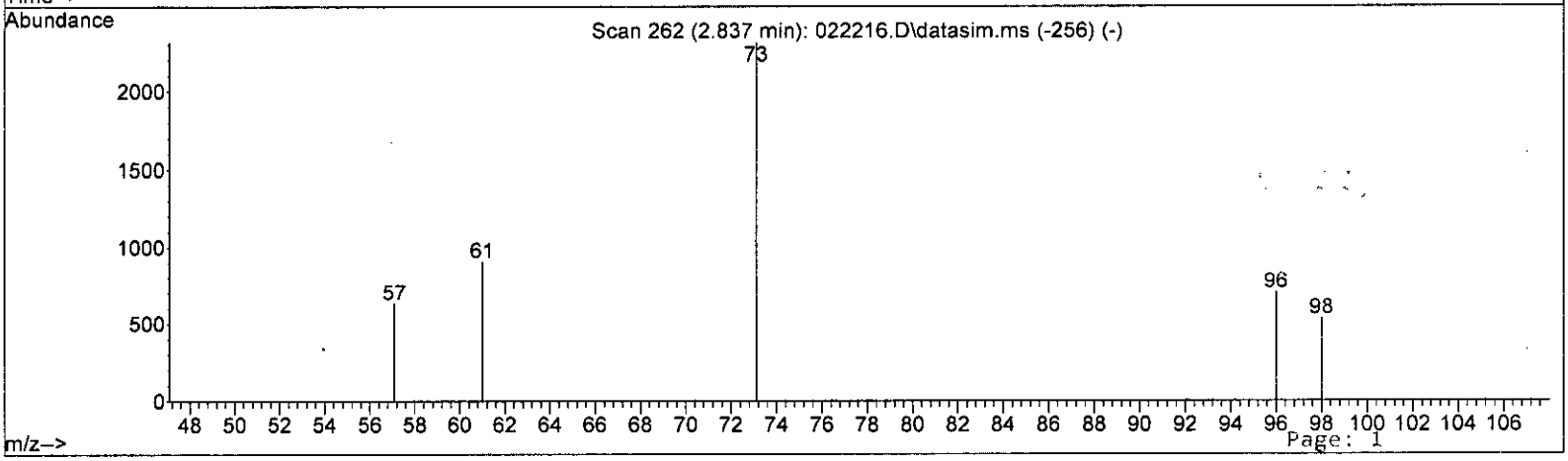
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.237 ppb

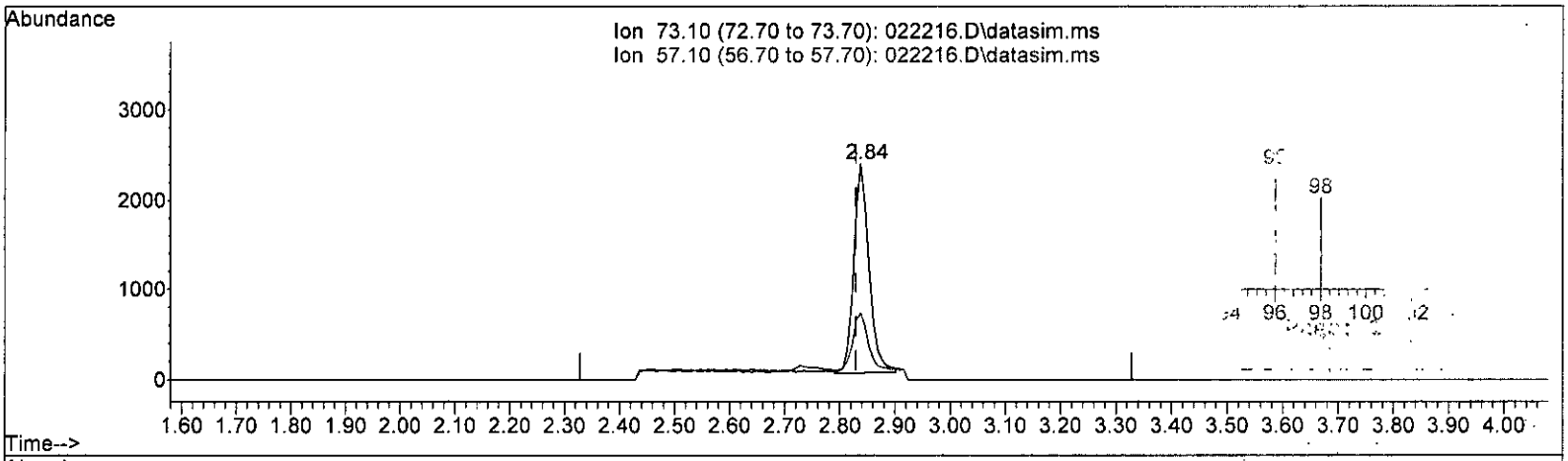
response 5075

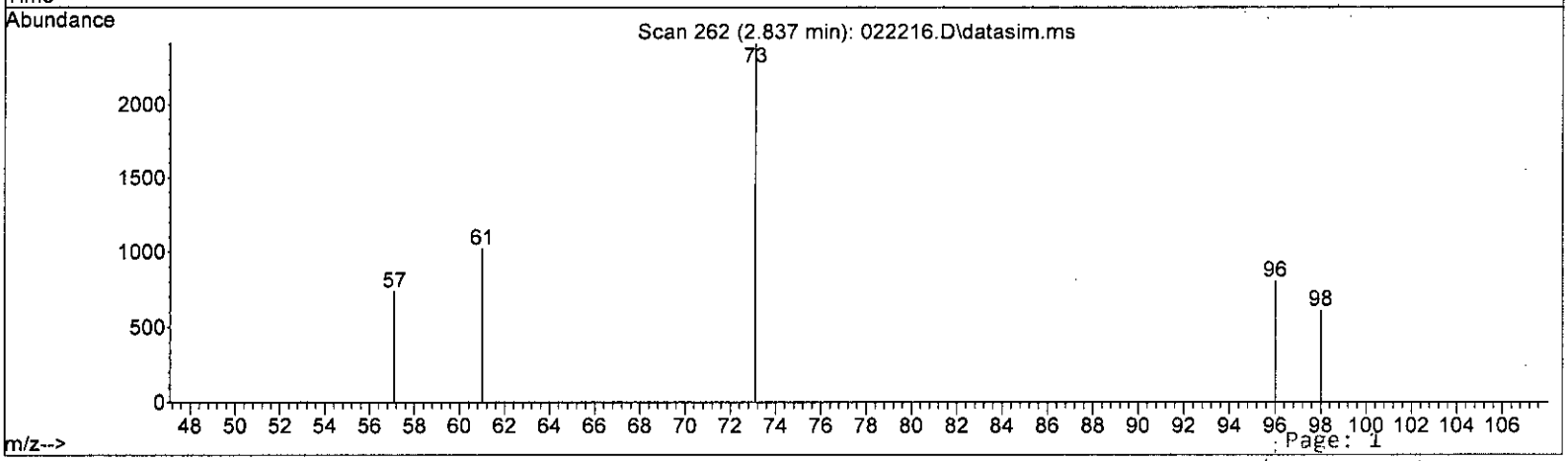
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	30.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:29:49 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:25:01 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022216.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.208 ppb m

response 4451

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	30.47
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	309082	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	236586	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	142122	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	85218	9.908	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	99.10%			
30) 1,2-Dichloroethane-d4	4.35	102	18625	9.745	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery =	97.50%			
35) Toluene-d8	5.98	98	278557	9.575	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery =	95.80%			
57) 4-Bromofluorobenzene	8.37	95	99039	9.619	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery =	96.20%			
Target Compounds							Qvalue
2) Ethanol	1.87	45	400	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.30	62	3658m	0.196	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.	d		
9) Trichlorofluoromethane	1.79	101	6157	0.260	ppb	#	63
10) 2-Propanol	2.42	45	2976	No Calib			
11) Acetone	0.00		0	N.D.	d		
12] 1,1-Dichloroethene	2.19	96	1865	0.203	ppb		93
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.84	73	4344m	0.203	ppb		
17] trans-1,2-Dichloroethene	2.83	96	1757	0.204	ppb		92
18) Diisopropyl ether (DIPE)	3.25	45	6975	0.231	ppb		87
19] 1,1-Dichloroethane	3.18	63	3350	0.207	ppb		97
20) Ethyl t-butyl ether (E...	3.54	87	2195	0.244	ppb	#	68
21) 2,2-Dichloropropane	3.66	77	3030	0.172	ppb		92
22] cis-1,2-Dichloroethene	3.67	96	1921	0.203	ppb		90
23) Chloroform	3.95	83	3717	0.254	ppb		97
24) 2-Butanone (MEK)	3.71	43	6980	0.918	ppb		89
25) t-Amyl methyl ether (T...	4.49	73	4332	0.216	ppb		82
26] 1,2-Dichloroethane (EDC)	4.41	62	2859	0.199	ppb		97
27] 1,1,1-Trichloroethane	4.08	97	2744	0.203	ppb		95
28) 1,1-Dichloropropene	4.21	75	2004	0.190	ppb		77
29) Carbon tetrachloride	4.21	117	3604	0.284	ppb		73
31] Benzene	4.39	78	6432	0.198	ppb		100
32] Trichloroethene	4.93	95	1961	0.197	ppb		95
33) 1,2-Dichloropropane	5.13	63	2553	0.280	ppb	#	90
34) Bromodichloromethane	5.37	83	2344	0.216	ppb		81
36) Dibromomethane	5.23	93	1126	0.208	ppb		89

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

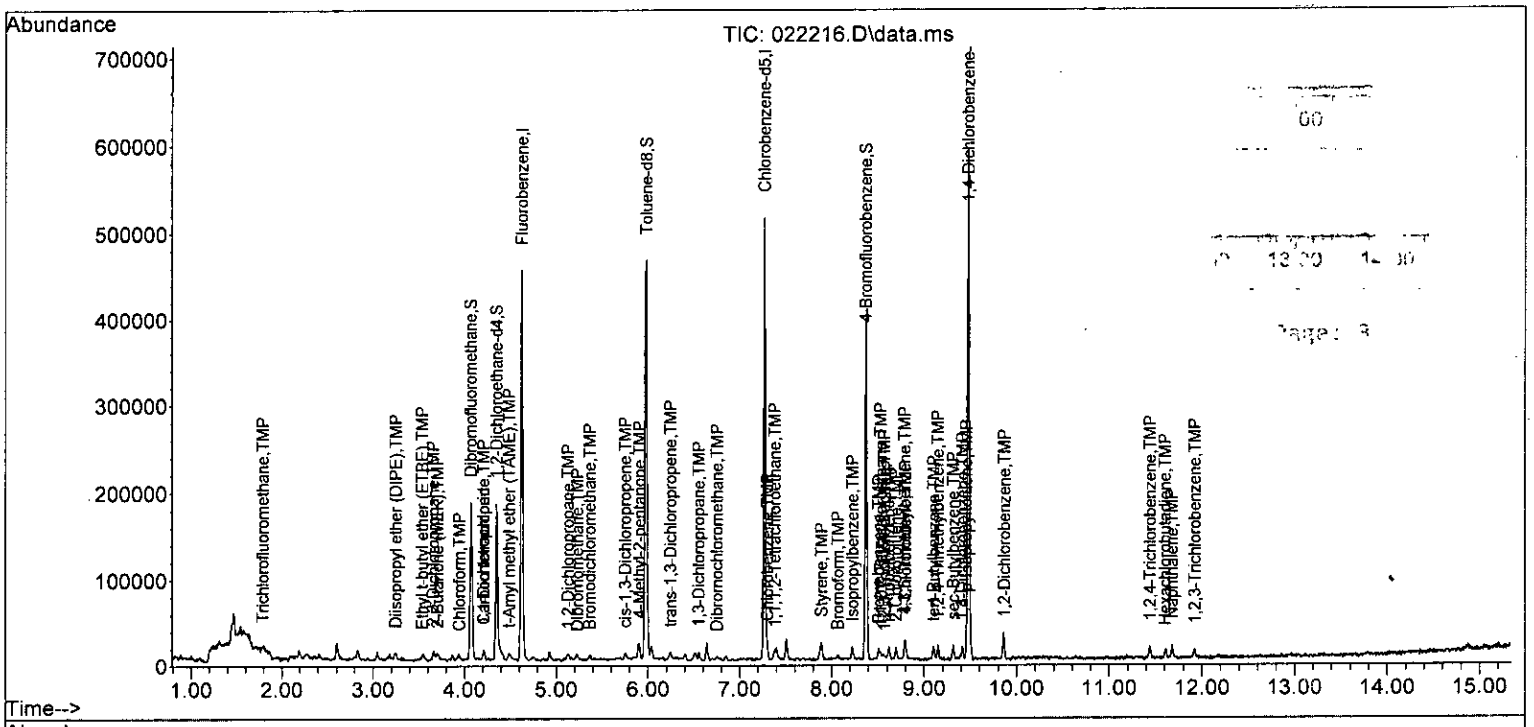
Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

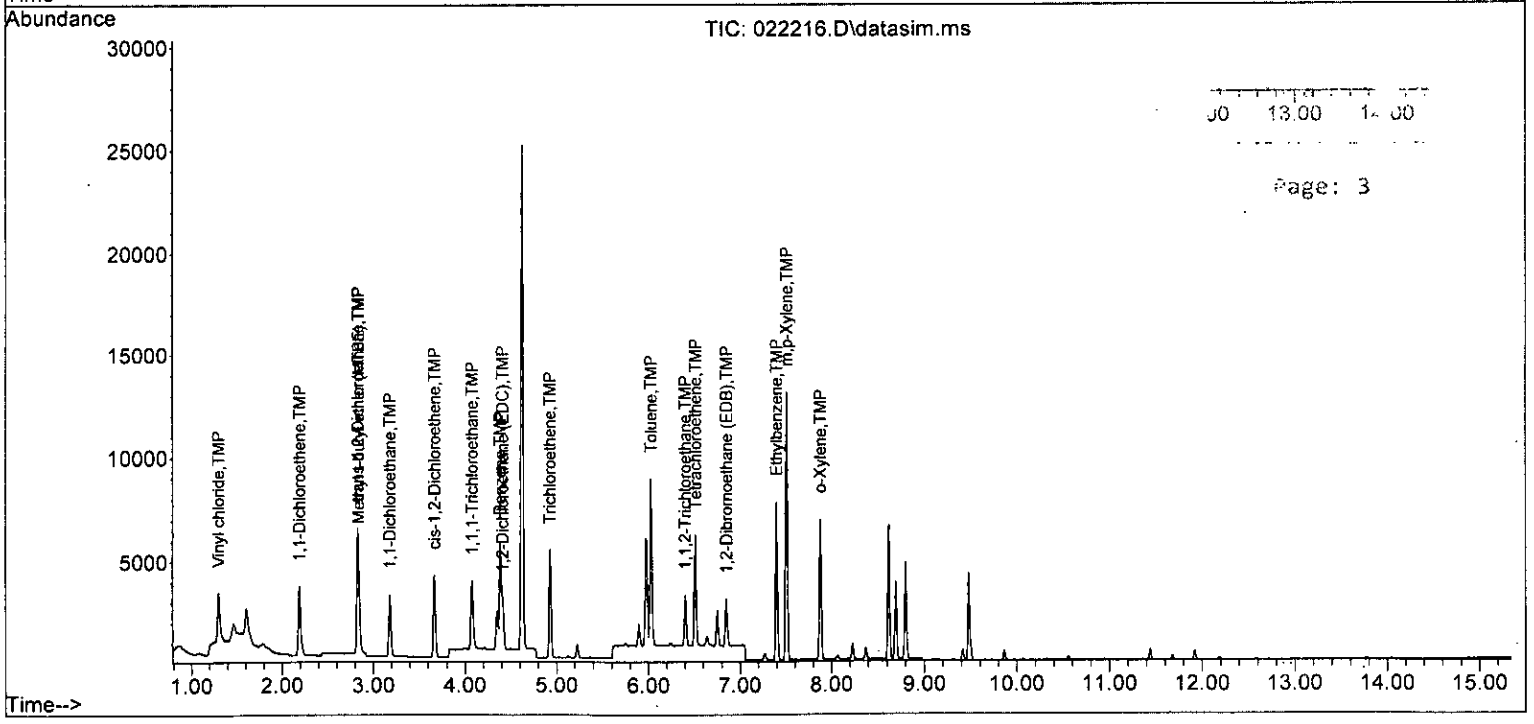
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1938	1.279	ppb	#	81
38) cis-1,3-Dichloropropene	5.75	75	3148	0.250	ppb	#	70
40] Toluene	6.03	92	4128	0.203	ppb		100
41) trans-1,3-Dichloropropene	6.25	75	2700	0.238	ppb		72
42] 1,1,2-Trichloroethane	6.40	83	1261	0.203	ppb		99
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.55	76	1987	0.194	ppb		92
45] Tetrachloroethene	6.51	164	1955	0.205	ppb		98
46) Dibromochloromethane	6.75	129	2019	0.221	ppb	#	52
47] 1,2-Dibromoethane (EDB)	6.85	107	1699	0.211	ppb		98
48) Chlorobenzene	7.30	112	4824	0.217	ppb		94
49] Ethylbenzene	7.40	91	7676	0.199	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.38	131	2733	0.249	ppb	#	51
51] m,p-Xylene	7.51	106	6133	0.404	ppb		98
52] o-Xylene	7.88	106	3018	0.198	ppb		95
53) Styrene	7.89	104	5536	0.243	ppb		94
54) Isopropylbenzene	8.23	105	7359	0.211	ppb		94
55) Bromoform	8.07	173	1830	0.246	ppb		80
58) n-Propylbenzene	8.62	91	8777	0.213	ppb		90
59) Bromobenzene	8.51	156	2935	0.247	ppb		94
60) 1,3,5-Trimethylbenzene	8.79	105	6995	0.230	ppb		89
61) 1,1,2,2-Tetrachloroethane	8.53	83	2992	0.249	ppb		85
62) 1,2,3-Trichloropropane	8.57	75	1720	0.238	ppb		78
63) 2-Chlorotoluene	8.70	91	5916	0.239	ppb		97
64) 4-Chlorotoluene	8.80	91	6944	0.244	ppb		78
65) tert-Butylbenzene	9.10	119	5907	0.209	ppb		86
66) 1,2,4-Trimethylbenzene	9.15	105	6754	0.214	ppb		75
67) sec-Butylbenzene	9.31	105	8496	0.213	ppb		98
68) p-Isopropyltoluene	9.46	119	7937	0.224	ppb		87
69) 1,3-Dichlorobenzene	9.41	146	5001	0.237	ppb		94
70) 1,4-Dichlorobenzene	9.41	146	5001	0.240	ppb		92
71) 1,2-Dichlorobenzene	9.87	146	4434	0.219	ppb		79
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	3979	0.242	ppb		93
74) Hexachlorobutadiene	11.60	225	1119	0.142	ppb	#	41
75) Naphthalene	11.68	128	9063	0.247	ppb		80
76) 1,2,3-Trichlorobenzene	11.92	180	3164	0.211	ppb		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	99	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.908	0.9	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.08#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.22#
6	TMP	Vinyl chloride	0.200	0.196	2.0	96	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.60#
9	TMP	Trichlorofluoromethane	0.200	0.260	-30.0#	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.26#
12	TMP	1,1-Dichloroethene	0.200	0.203	-1.5	100	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.05#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.203	-1.5	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.204	-2.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.200	0.231	-15.5	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.207	-3.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.244	-22.0#	100	0.00
21	TMP	2,2-Dichloropropane	0.200	0.172	14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.203	-1.5	100	0.00
23	TMP	Chloroform	0.200	0.254	-27.0#	100	0.00
24	TMP	2-Butanone (MEK)	1.000	0.918	8.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.216	-8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.199	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.203	-1.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.190	5.0	100	0.00
29	TMP	Carbon tetrachloride	0.200	0.284	-42.0#	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.745	2.6	100	0.00
31	TMP	Benzene	0.200	0.198	1.0	100	0.00
32	TMP	Trichloroethene	0.200	0.197	1.5	100	0.00
33	TMP	1,2-Dichloropropane	0.200	0.280	-40.0#	100	0.00
34	TMP	Bromodichloromethane	0.200	0.216	-8.0	100	0.00
35	S	Toluene-d8	10.000	9.575	4.3	100	0.01
36	TMP	Dibromomethane	0.200	0.208	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1.000	1.279	-27.9#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.200	0.250	-25.0#	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.203	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.238	-19.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.203	-1.5	100	0.00
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.194	3.0	100	0.00
45	TMP	Tetrachloroethene	0.200	0.205	-2.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.221	-10.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.211	-5.5	100	0.00
48	TMP	Chlorobenzene	0.200	0.217	-8.5	100	0.00
49	TMP	Ethylbenzene	0.200	0.199	0.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.249	-24.5#	100	0.00
51	TMP	m,p-Xylene	0.400	0.404	-1.0	100	0.00
52	TMP	o-Xylene	0.200	0.198	1.0	100	0.00
53	TMP	Styrene	0.200	0.243	-21.5#	100	0.00
54	TMP	Isopropylbenzene	0.200	0.211	-5.5	100	0.00
55	TMP	Bromoform	0.200	0.246	-23.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.619	3.8	100	0.00
58	TMP	n-Propylbenzene	0.200	0.213	-6.5	100	0.00
59	TMP	Bromobenzene	0.200	0.247	-23.5#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.230	-15.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.249	-24.5#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.238	-19.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.239	-19.5	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.244	-22.0#	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.209	-4.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.214	-7.0	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.213	-6.5	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.224	-12.0	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.237	-18.5	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.240	-20.0	100	-0.09
71	TMP	1,2-Dichlorobenzene	0.200	0.219	-9.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.242	-21.0#	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.142	29.0#	130	0.00
75	TMP	Naphthalene	0.200	0.247	-23.5#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.211	-5.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.276	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.000#	100.0#	0#	-1.08#
5	TMP	Chloromethane	0.714	0.000#	100.0#	0#	-1.22#
6	TMP	Vinyl chloride	0.603	0.592	1.8	96	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.000#	100.0#	0#	-1.60#
9	TMP	Trichlorofluoromethane	0.767	0.996	-29.9#	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.072	0.000#	100.0#	0#	-2.26#
12	TMP	1,1-Dichloroethene	0.297	0.302	-1.7	100	0.00
13	TMP	Hexane	0.420	0.000#	100.0#	0#	-3.05#
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.000#	100.0#	0#	-2.73#
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.703	-1.6	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.284	1.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	1.128	-15.2	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.542	-3.4	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.355	-22.0#	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.490	-48.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.311	0.6	100	0.00
23	TMP	Chloroform	0.473	0.601	-27.1#	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.226	8.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.701	-8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.462	-4.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.444	-1.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.324	5.0	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.583	-42.2#	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	1.048	1.041	0.7	100	0.00
32	TMP	Trichloroethene	0.329	0.317	3.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.413	-40.0#	100	0.00
34	TMP	Bromodichloromethane	0.351	0.379	-8.0	100	0.00
35	S	Toluene-d8	0.941	0.901	4.3	100	0.01
36	TMP	Dibromomethane	0.176	0.182	-3.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.063	-28.6#	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.509	-25.1#	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.872	-1.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.571	-19.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.266	-1.5	100	0.00
43	TMP	2-Hexanone	0.381	0.000#	100.0#	0#	-6.64#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022216.D
Acq On : 22 Feb 2023 06:03 pm
Operator : LM
Sample : 0.2 ppb 8260 CCV 68-136I
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:23 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

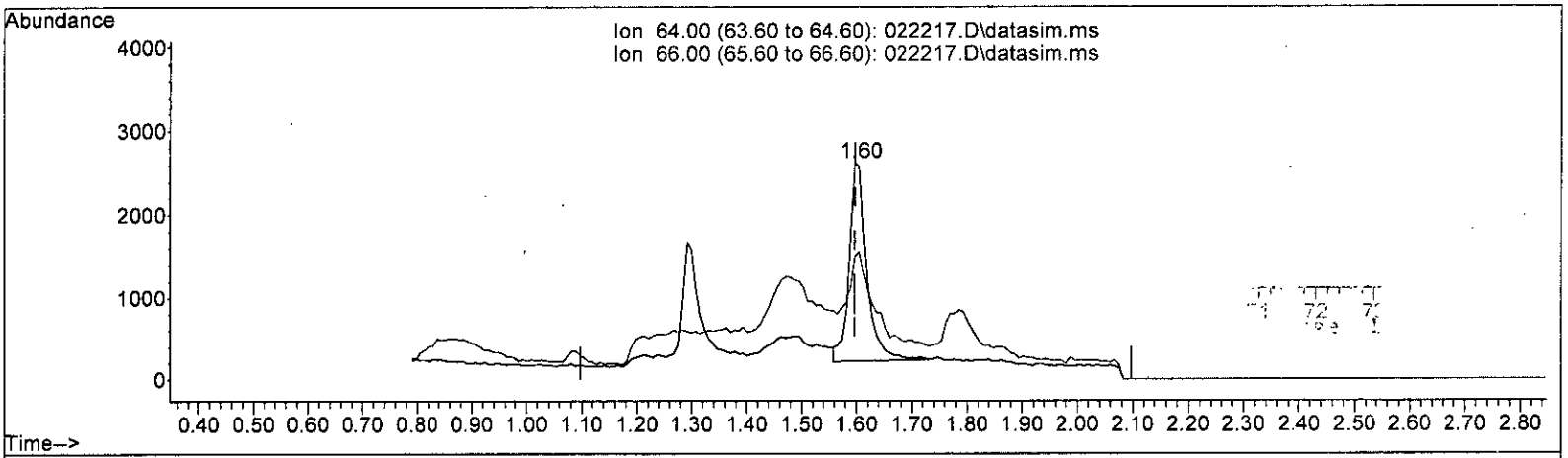
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.420	3.0	100	0.00
45	TMP	Tetrachloroethene	0.403	0.413	-2.5	100	0.00
46	TMP	Dibromochloromethane	0.386	0.427	-10.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.359	-5.6	100	0.00
48	TMP	Chlorobenzene	0.941	1.020	-8.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.622	0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.578	-52.1#	100	0.00
51	TMP	m,p-Xylene	0.656	0.648	1.2	100	0.00
52	TMP	o-Xylene	0.643	0.638	0.8	100	0.00
53	TMP	Styrene	0.964	1.170	-21.4#	100	0.00
54	TMP	Isopropylbenzene	1.476	1.555	-5.4	100	0.00
55	TMP	Bromoform	0.315	0.387	-22.9#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.697	3.7	100	0.00
58	TMP	n-Propylbenzene	2.900	3.088	-6.5	100	0.00
59	TMP	Bromobenzene	0.834	1.033	-23.9#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.461	-15.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	1.053	-56.7#	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.605	-18.9	100	0.00
63	TMP	2-Chlorotoluene	1.744	2.081	-19.3	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.443	-21.8#	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.078	-4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.376	-7.0	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.989	-6.7	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.792	-11.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.759	-18.5	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.759	-19.8	100	-0.09
71	TMP	1,2-Dichlorobenzene	1.425	1.560	-9.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	1.400	-21.0#	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.394	28.8#	130	0.00
75	TMP	Naphthalene	2.586	3.188	-23.3#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.113	-5.3	100	0.00

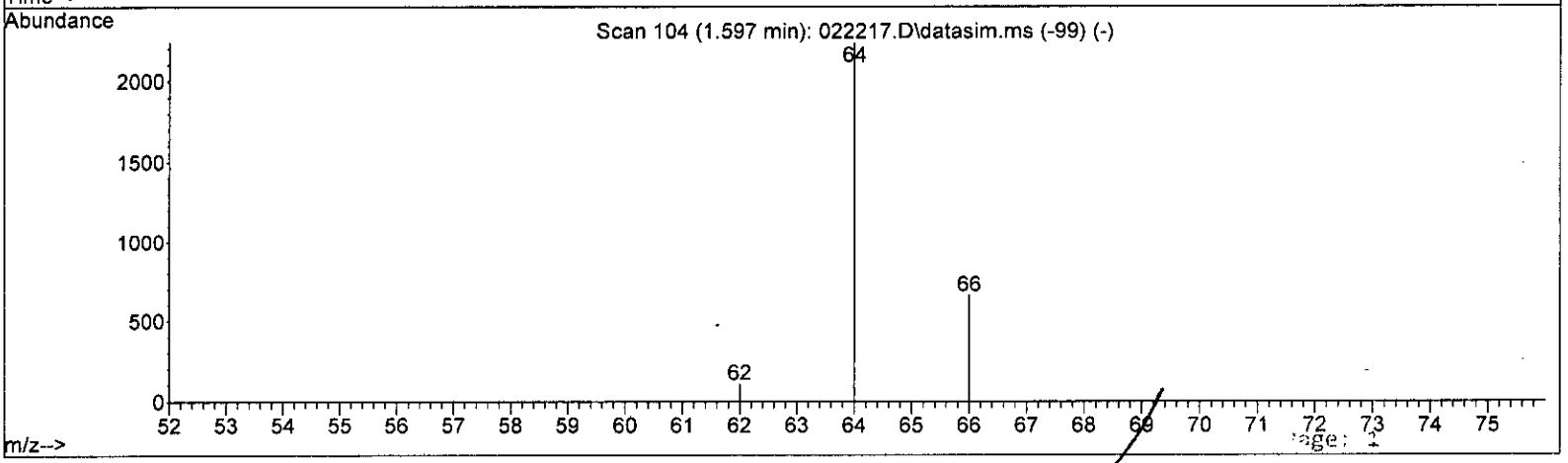
(#) = Out of Range SPCC's out = 11 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(8) Chloroethane (TMP)

1.597min (-0.000) 0.604 ppb

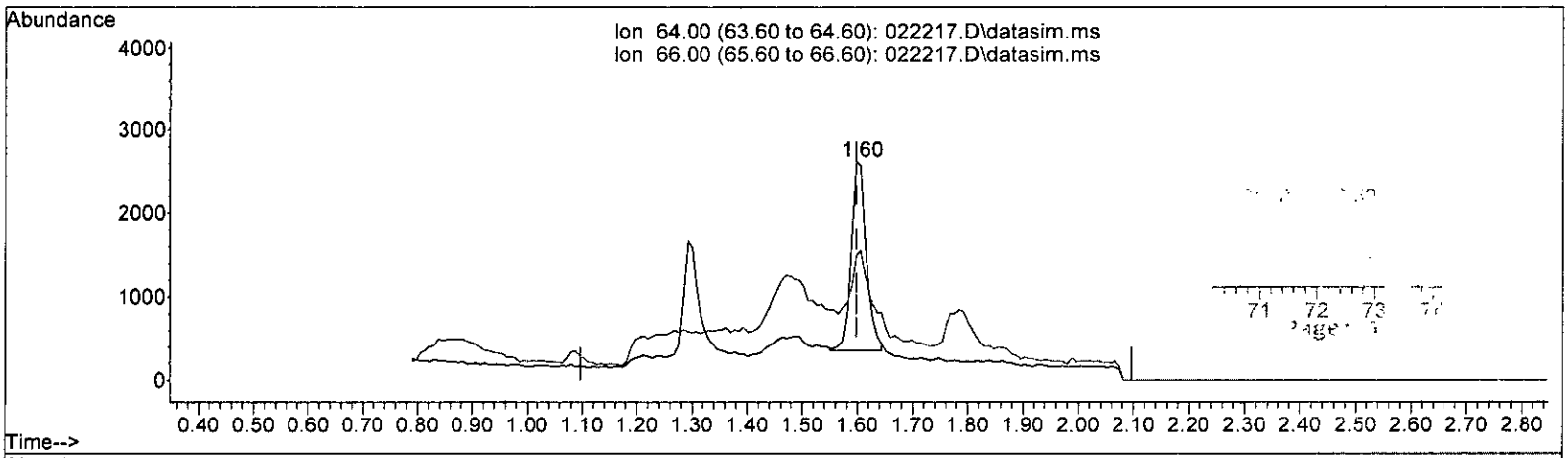
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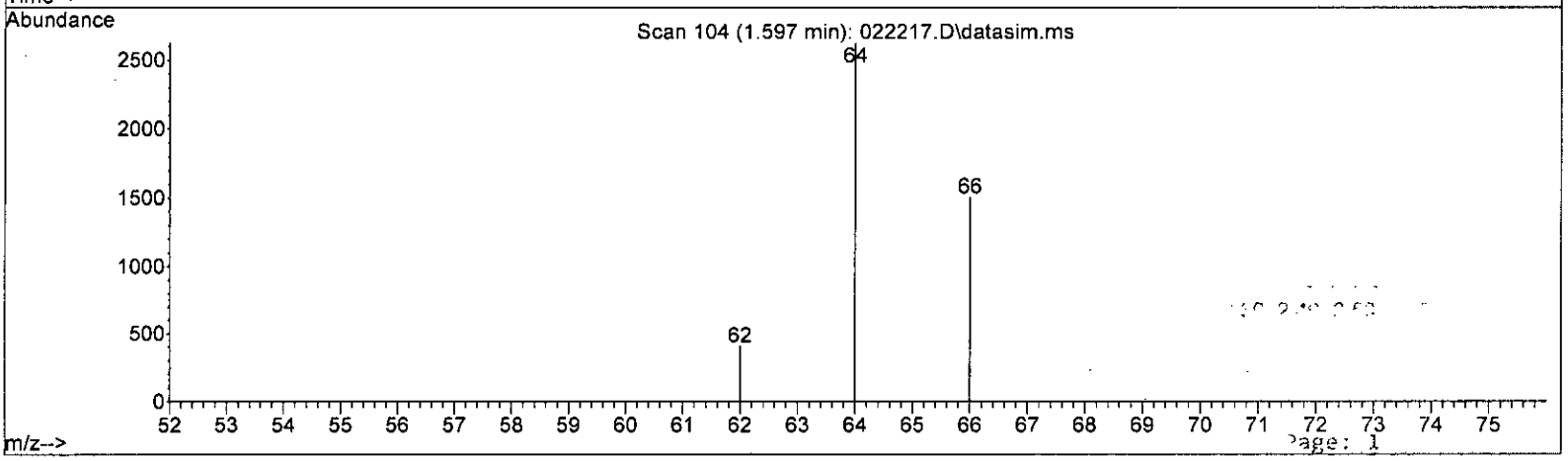
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	45.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(8) Chloroethane (TMP)

1.597min (-0.000) 0.498 ppb m

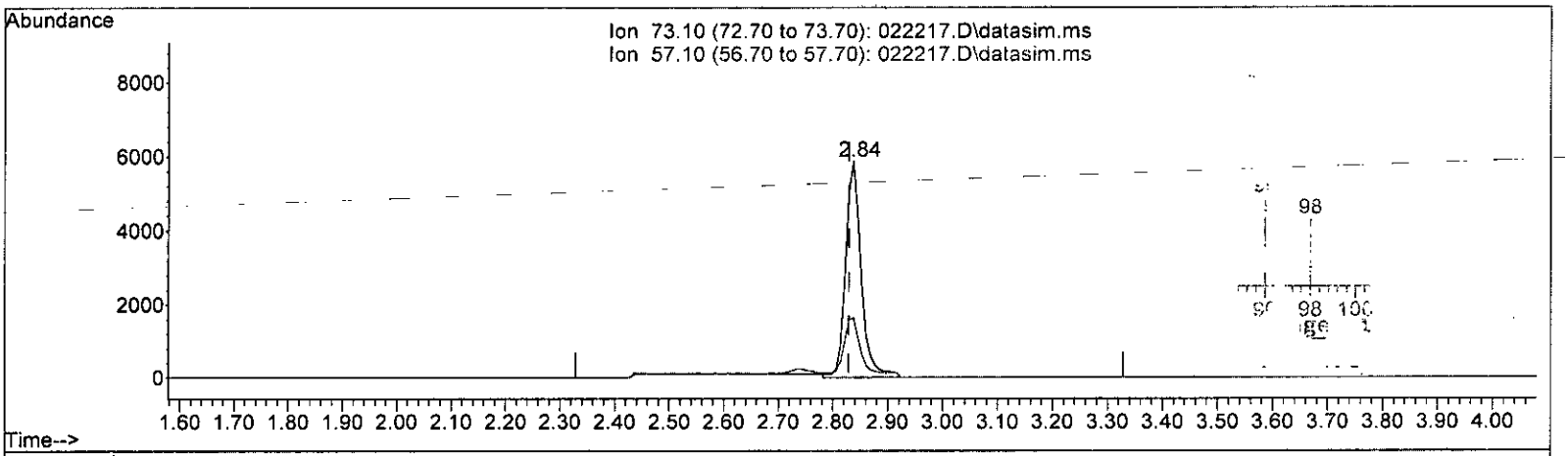
response 4398

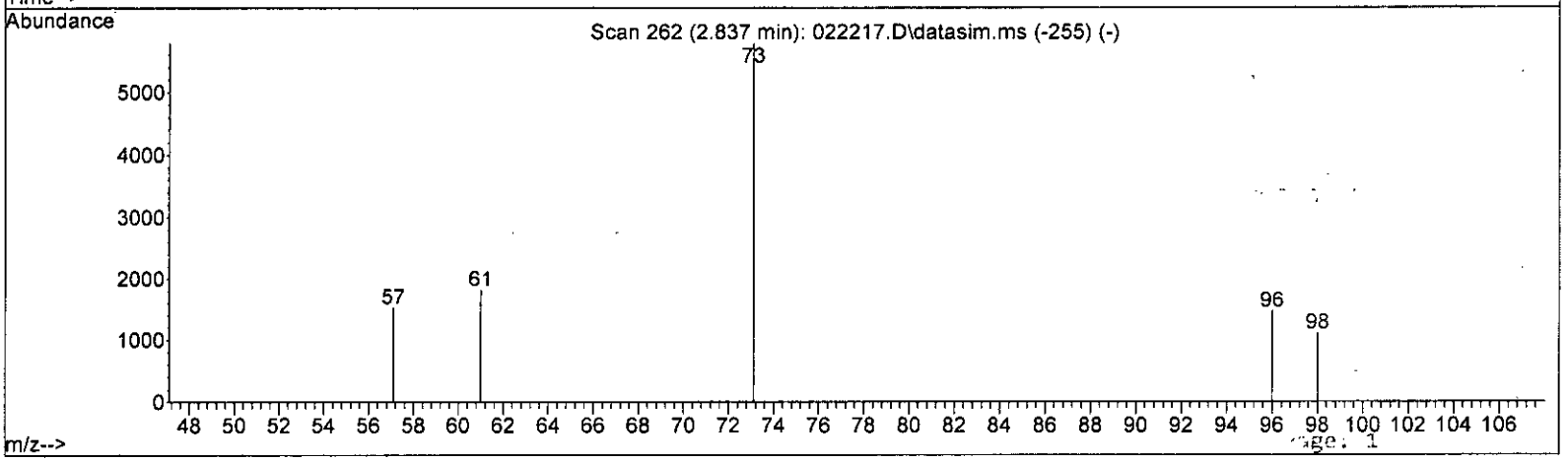
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	30.90	57.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.532 ppb

response 11679

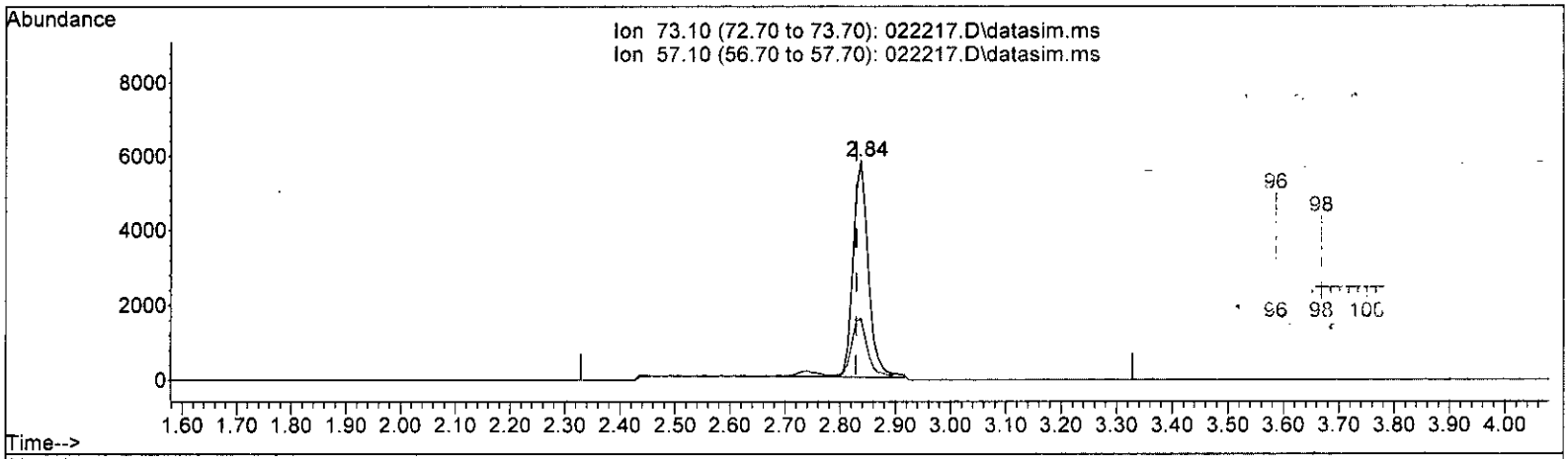
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	28.02
0.00	0.00	0.00
0.00	0.00	0.00

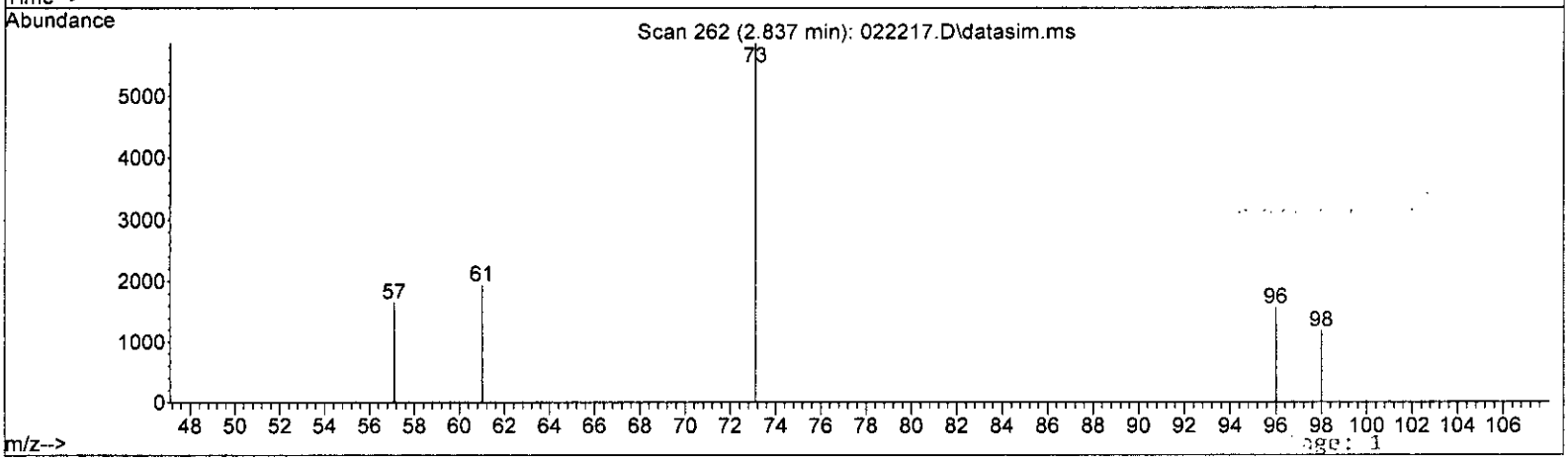
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.837min (+ 0.008) 0.506 ppb m

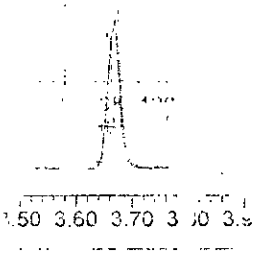
response 11111

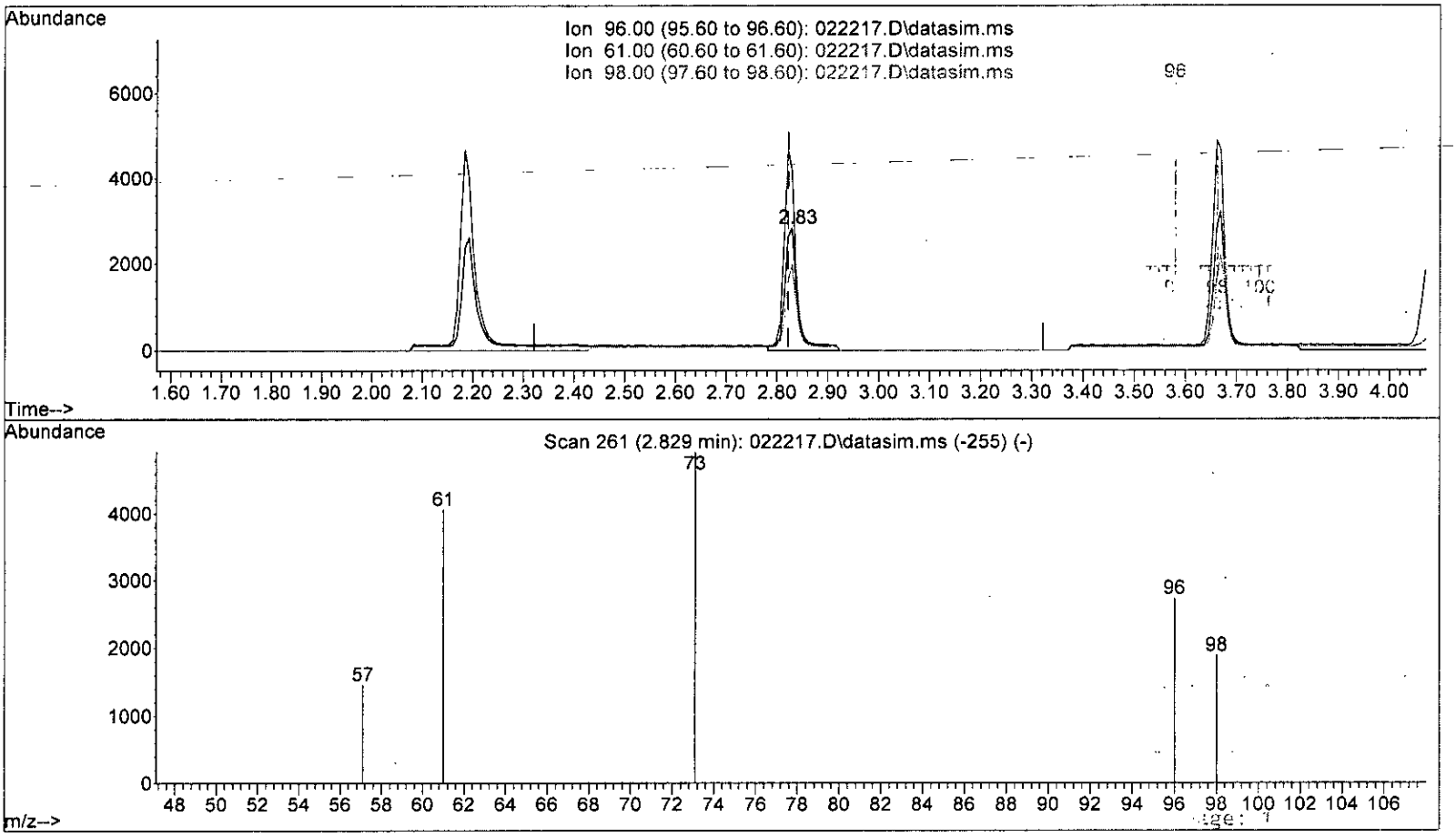
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	27.20	28.02
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.007) 0.594 ppb

response 4975

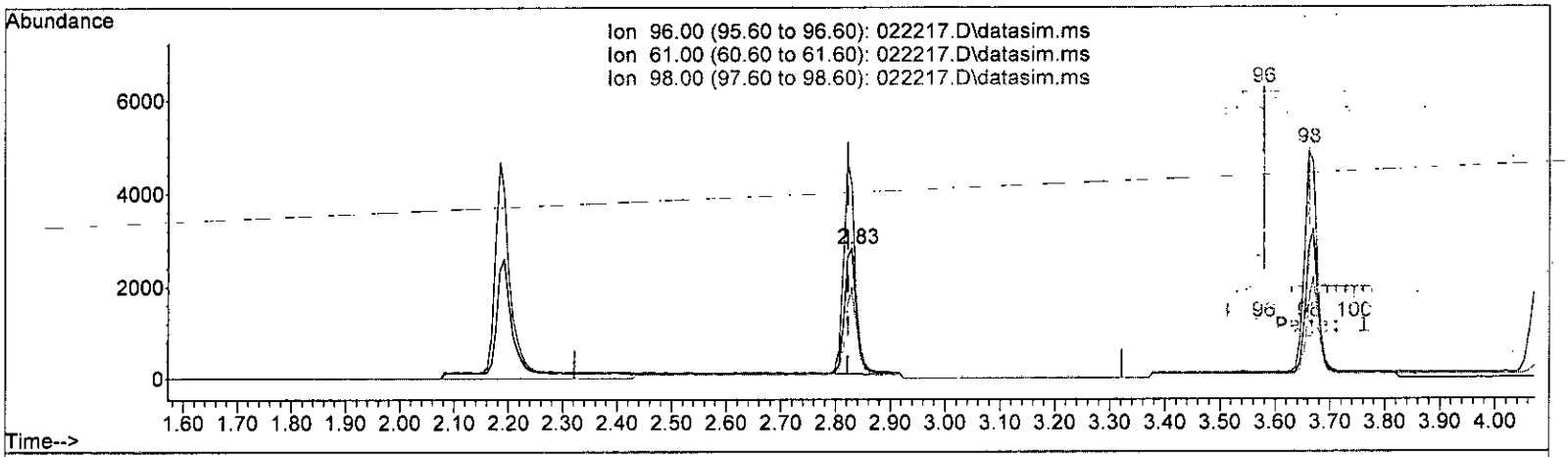
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.70	147.56
98.00	62.40	69.50
0.00	0.00	0.00

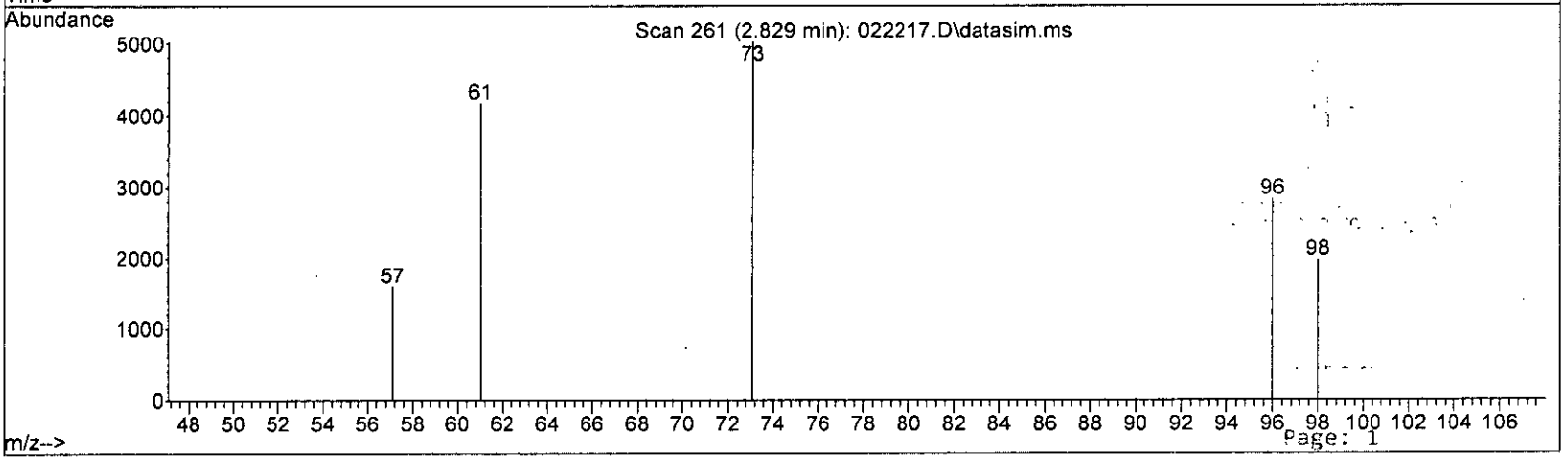
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022217.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.829min (+ 0.007) 0.503 ppb m

response 4237

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	165.70	147.56
98.00	62.40	69.50
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	317376	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	254259	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	149235	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	88414	10.011	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.10%			
30) 1,2-Dichloroethane-d4	4.36	102	20943	10.672	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 106.70%			
35) Toluene-d8	5.98	98	292365	9.787	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.90%			
57) 4-Bromofluorobenzene	8.37	95	108392	10.026	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 100.30%			
Target Compounds						Qvalue
2) Ethanol	1.83	45	757	No Calib		
4) Dichlorodifluoromethane	1.09	85	8221	0.472	ppb	94
5) Chloromethane	1.22	50	14268	0.629	ppb	92
6] Vinyl chloride	1.29	62	9755	0.510	ppb	94
7) Bromomethane	0.00		0	N.D.		
8] Chloroethane	1.60	64	4398m	0.498	ppb	
9) Trichlorofluoromethane	1.79	101	14318	0.588	ppb	100
10) 2-Propanol	2.40	45	3792	No Calib		
11) Acetone	2.27	58	6285	2.760	ppb	97
12] 1,1-Dichloroethene	2.19	96	4797	0.509	ppb	88
13) Hexane	3.05	57	8520	0.639	ppb	76
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	2.73	59	3543	2.790	ppb	66
16] Methyl t-butyl ether (...	2.84	73	11111m	0.506	ppb	
17] trans-1,2-Dichloroethene	2.83	96	4237m	0.503	ppb	
18) Diisopropyl ether (DIPE)	3.24	45	15705	0.506	ppb	87
19] 1,1-Dichloroethane	3.18	63	8227	0.494	ppb	96
20) Ethyl t-butyl ether (E...	3.55	87	4959	0.536	ppb #	50
21) 2,2-Dichloropropane	3.66	77	6383	0.526	ppb	96
22] cis-1,2-Dichloroethene	3.67	96	4699	0.501	ppb	84
23) Chloroform	3.94	83	7620	0.508	ppb	80
24) 2-Butanone (MEK)	3.71	43	18643	2.387	ppb	89
25) t-Amyl methyl ether (T...	4.50	73	11773	0.571	ppb	92
26] 1,2-Dichloroethane (EDC)	4.41	62	6978	0.508	ppb	99
27] 1,1,1-Trichloroethane	4.08	97	6924	0.498	ppb	91
28) 1,1-Dichloropropene	4.21	75	5495	0.507	ppb	76
29) Carbon tetrachloride	4.21	117	6469	0.497	ppb	94
31] Benzene	4.38	78	16164	0.486	ppb	98
32] Trichloroethene	4.93	95	4858	0.496	ppb	98
33) 1,2-Dichloropropane	5.13	63	5146	0.549	ppb	95
34) Bromodichloromethane	5.37	83	5325	0.478	ppb	66
36) Dibromomethane	5.23	93	3348	0.601	ppb	92

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

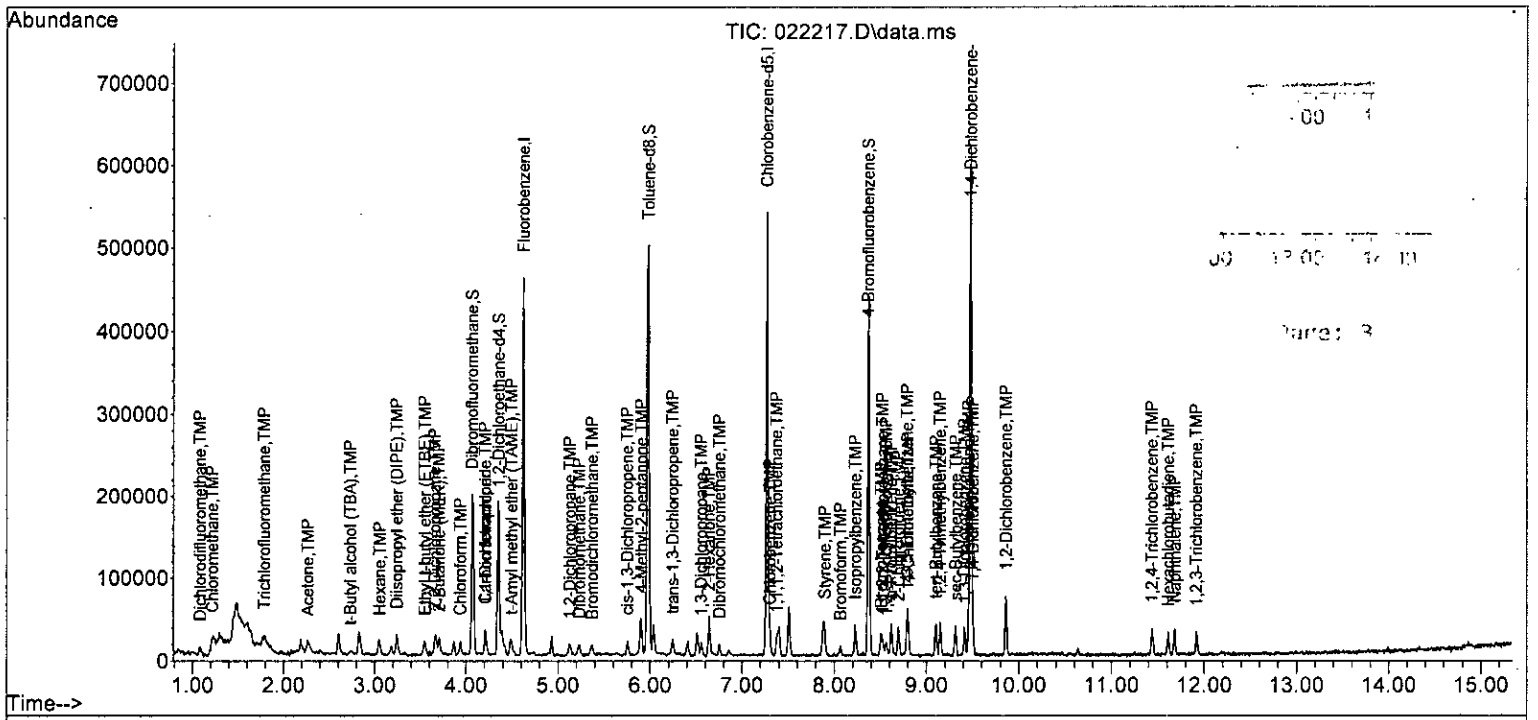
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	3689	2.371	ppb	#	74
38) cis-1,3-Dichloropropene	5.75	75	6492	0.503	ppb		90
40] Toluene	6.03	92	10656	0.488	ppb		97
41) trans-1,3-Dichloropropene	6.25	75	6663	0.546	ppb		75
42] 1,1,2-Trichloroethane	6.40	83	3167	0.475	ppb		98
43) 2-Hexanone	6.64	43	24439	2.523	ppb		96
44) 1,3-Dichloropropane	6.55	76	5552	0.505	ppb		85
45] Tetrachloroethene	6.51	164	5001	0.488	ppb		97
46) Dibromochloromethane	6.75	129	4882	0.497	ppb		80
47] 1,2-Dibromoethane (EDB)	6.85	107	4344	0.503	ppb		99
48) Chlorobenzene	7.30	112	12026	0.502	ppb		96
49] Ethylbenzene	7.40	91	19782	0.477	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.37	131	4953	0.469	ppb		86
51] m,p-Xylene	7.51	106	15668	0.999	ppb		100
52] o-Xylene	7.88	106	7775	0.475	ppb		97
53) Styrene	7.90	104	12394	0.505	ppb		97
54) Isopropylbenzene	8.23	105	18376	0.490	ppb		76
55) Bromoform	8.07	173	3925	0.490	ppb		72
58) n-Propylbenzene	8.62	91	23975	0.554	ppb		96
59) Bromobenzene	8.51	156	7370	0.592	ppb	#	73
60) 1,3,5-Trimethylbenzene	8.79	105	15985	0.501	ppb		81
61) 1,1,2,2-Tetrachloroethane	8.52	83	5361	0.485	ppb		92
62) 1,2,3-Trichloropropane	8.56	75	4158	0.548	ppb		93
63) 2-Chlorotoluene	8.70	91	13878	0.533	ppb		90
64) 4-Chlorotoluene	8.80	91	15006	0.501	ppb		95
65) tert-Butylbenzene	9.10	119	15805	0.532	ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	15950	0.482	ppb		92
67) sec-Butylbenzene	9.32	105	20655	0.494	ppb		88
68) p-Isopropyltoluene	9.46	119	18458	0.496	ppb		96
69) 1,3-Dichlorobenzene	9.41	146	12152	0.549	ppb		83
70) 1,4-Dichlorobenzene	9.50	146	11996	0.548	ppb		94
71) 1,2-Dichlorobenzene	9.86	146	11083	0.521	ppb		95
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d		
73) 1,2,4-Trichlorobenzene	11.44	180	8651	0.501	ppb		93
74) Hexachlorobutadiene	11.61	225	4068	0.493	ppb	#	57
75) Naphthalene	11.68	128	19013	0.493	ppb		94
76) 1,2,3-Trichlorobenzene	11.91	180	8227	0.521	ppb		76

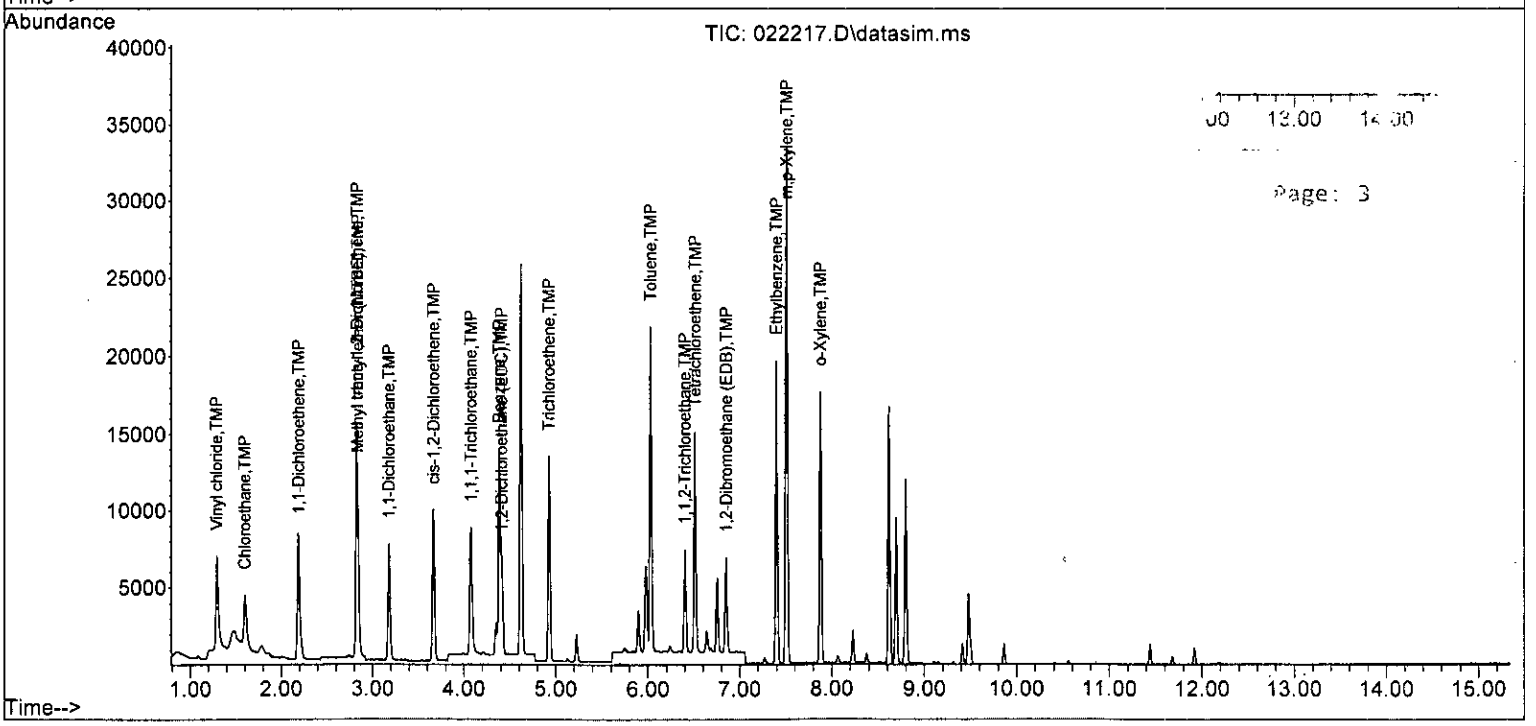
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Page: 2

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
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InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.04
3	S	Dibromofluoromethane	10.000	10.011	-0.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.472	5.6	100	0.00
5	TMP	Chloromethane	0.500	0.629	-25.8#	100	0.00
6	TMP	Vinyl chloride	0.500	0.510	-2.0	107	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.53#
8	TMP	Chloroethane	0.500	0.498	0.4	101	0.00
9	TMP	Trichlorofluoromethane	0.500	0.588	-17.6	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	2.500	2.760	-10.4	100	0.00
12	TMP	1,1-Dichloroethene	0.500	0.509	-1.8	105	0.00
13	TMP	Hexane	0.500	0.639	-27.8#	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.60#
15	TMP	t-Butyl alcohol (TBA)	2.500	2.790	-11.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.506	-1.2	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.503	-0.6	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.506	-1.2	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.494	1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.536	-7.2	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.526	-5.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.500	0.501	-0.2	100	0.00
23	TMP	Chloroform	0.500	0.508	-1.6	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.387	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.571	-14.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.508	-1.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.498	0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.507	-1.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.497	0.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.672	-6.7	100	0.00
31	TMP	Benzene	0.500	0.486	2.8	100	0.00
32	TMP	Trichloroethene	0.500	0.496	0.8	100	0.00
33	TMP	1,2-Dichloropropane	0.500	0.549	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.500	0.478	4.4	100	0.00
35	S	Toluene-d8	10.000	9.787	2.1	100	0.01
36	TMP	Dibromomethane	0.500	0.601	-20.2#	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.371	5.2	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.500	0.503	-0.6	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.488	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.546	-9.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.475	5.0	100	0.00
43	TMP	2-Hexanone	2.500	2.523	-0.9	102	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.505	-1.0	100	0.00
45	TMP	Tetrachloroethene	0.500	0.488	2.4	100	0.00
46	TMP	Dibromochloromethane	0.500	0.497	0.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.503	-0.6	100	0.00
48	TMP	Chlorobenzene	0.500	0.502	-0.4	100	0.00
49	TMP	Ethylbenzene	0.500	0.477	4.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.469	6.2	100	0.00
51	TMP	m,p-Xylene	1.000	0.999	0.1	100	0.00
52	TMP	o-Xylene	0.500	0.475	5.0	100	0.00
53	TMP	Styrene	0.500	0.505	-1.0	100	0.00
54	TMP	Isopropylbenzene	0.500	0.490	2.0	100	0.00
55	TMP	Bromoform	0.500	0.490	2.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.026	-0.3	100	0.00
58	TMP	n-Propylbenzene	0.500	0.554	-10.8	100	0.00
59	TMP	Bromobenzene	0.500	0.592	-18.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.501	-0.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.485	3.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.548	-9.6	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.533	-6.6	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.501	-0.2	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.532	-6.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.482	3.6	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.494	1.2	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.496	0.8	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.549	-9.8	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.548	-9.6	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.521	-4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.54#
73	TMP	1,2,4-Trichlorobenzene	0.500	0.501	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.493	1.4	100	0.00
75	TMP	Naphthalene	0.500	0.493	1.4	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.521	-4.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.04
3	S	Dibromofluoromethane	0.278	0.279	-0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.518	5.6	100	0.00
5	TMP	Chloromethane	0.714	0.899	-25.9#	100	0.00
6	TMP	Vinyl chloride	0.603	0.615	-2.0	107	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	-1.53#
8	TMP	Chloroethane	0.278	0.277	0.4	101	0.00
9	TMP	Trichlorofluoromethane	0.767	0.902	-17.6	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.079	-9.7	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.302	-1.7	105	0.00
13	TMP	Hexane	0.420	0.537	-27.9#	100	0.00
14	TMP	Methylene chloride	0.279	0.000#	100.0#	0#	-2.60#
15	TMP	t-Butyl alcohol (TBA)	0.040	0.045	-12.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.700	-1.2	101	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.267	7.0	101	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.990	-1.1	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.518	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.313	-7.6	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.402	-21.8#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.296	5.4	100	0.00
23	TMP	Chloroform	0.473	0.480	-1.5	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.235	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.742	-14.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.440	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.436	0.5	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.346	-1.5	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.408	0.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.019	2.8	100	0.00
32	TMP	Trichloroethene	0.329	0.306	7.0	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.324	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.351	0.336	4.3	100	0.00
35	S	Toluene-d8	0.941	0.921	2.1	100	0.01
36	TMP	Dibromomethane	0.176	0.211	-19.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.409	-0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.838	2.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.524	-9.2	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.249	5.0	100	0.00
43	TMP	2-Hexanone	0.381	0.384	-0.8	102	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022217.D
Acq On : 22 Feb 2023 06:25 pm
Operator : LM
Sample : 0.5 ppb 8260 CCV 68-136J
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:27 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.437	-0.9	100	0.00
45	TMP	Tetrachloroethene	0.403	0.393	2.5	100	0.00
46	TMP	Dibromochloromethane	0.386	0.384	0.5	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.342	-0.6	100	0.00
48	TMP	Chlorobenzene	0.941	0.946	-0.5	100	0.00
49	TMP	Ethylbenzene	1.632	1.556	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.390	-2.6	100	0.00
51	TMP	m,p-Xylene	0.656	0.616	6.1	100	0.00
52	TMP	o-Xylene	0.643	0.612	4.8	100	0.00
53	TMP	Styrene	0.964	0.975	-1.1	100	0.00
54	TMP	Isopropylbenzene	1.476	1.445	2.1	100	0.00
55	TMP	Bromoform	0.315	0.309	1.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.726	-0.3	100	0.00
58	TMP	n-Propylbenzene	2.900	3.213	-10.8	100	0.00
59	TMP	Bromobenzene	0.834	0.988	-18.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.142	-0.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.718	-6.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.557	-9.4	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.860	-6.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.011	-0.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.118	-6.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.138	3.7	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.768	1.2	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.474	0.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.629	-9.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.608	-9.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.485	-4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.000#	100.0#	0#	-10.54#
73	TMP	1,2,4-Trichlorobenzene	1.157	1.159	-0.2	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.545	1.4	100	0.00
75	TMP	Naphthalene	2.586	2.548	1.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.103	-4.4	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	318909	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	262133	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	150812	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	90568	10.206	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.10%				
30) 1,2-Dichloroethane-d4	4.35	102	19430	9.853	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%				
35) Toluene-d8	5.98	98	305485	10.177	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.80%				
57) 4-Bromofluorobenzene	8.38	95	107747	9.862	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 98.60%				
Target Compounds							Qvalue
2) Ethanol	1.88	45	270	No Calib			
4) Dichlorodifluoromethane	1.08	85	18836	1.076	ppb		91
5) Chloromethane	1.22	50	25199	1.106	ppb		99
6] Vinyl chloride	1.29	62	19409	1.009	ppb		92
7) Bromomethane	1.55	94	9388	0.822	ppb	#	47
8] Chloroethane	1.60	64	9505	1.071	ppb		87
9) Trichlorofluoromethane	1.78	101	25751	1.053	ppb	#	58
10) 2-Propanol	2.40	45	4207	No Calib			
11) Acetone	2.26	58	12832	5.608	ppb		97
12] 1,1-Dichloroethene	2.18	96	9186	0.971	ppb		93
13) Hexane	3.05	57	14865	1.109	ppb		91
14) Methylene chloride	2.60	84	12627	1.421	ppb		91
15) t-Butyl alcohol (TBA)	2.72	59	6420	5.031	ppb		84
16] Methyl t-butyl ether (...	2.84	73	22671	1.028	ppb		96
17] trans-1,2-Dichloroethene	2.82	96	9084	1.093	ppb		97
18) Diisopropyl ether (DIPE)	3.24	45	30536	0.978	ppb		93
19] 1,1-Dichloroethane	3.17	63	16366	0.979	ppb		98
20) Ethyl t-butyl ether (E...	3.55	87	9303	1.001	ppb		92
21) 2,2-Dichloropropane	3.66	77	9811	0.892	ppb		75
22] cis-1,2-Dichloroethene	3.66	96	9270	0.996	ppb		98
23) Chloroform	3.94	83	14828	0.983	ppb		90
24) 2-Butanone (MEK)	3.70	43	36711	4.678	ppb		96
25) t-Amyl methyl ether (T...	4.50	73	20990	1.014	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	13386	0.993	ppb		100
27] 1,1,1-Trichloroethane	4.08	97	13761	0.986	ppb		88
28) 1,1-Dichloropropene	4.22	75	10660	0.979	ppb		78
29) Carbon tetrachloride	4.21	117	12439	0.951	ppb		94
31] Benzene	4.38	78	32073	0.959	ppb		100
32] Trichloroethene	4.93	95	9736	1.004	ppb		96
33) 1,2-Dichloropropane	5.13	63	10331	1.098	ppb		92
34) Bromodichloromethane	5.37	83	11344	1.014	ppb		78
36) Dibromomethane	5.22	93	5722	1.022	ppb		90

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Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	8562	5.477	ppb	#	79
38) cis-1,3-Dichloropropene	5.75	75	12795	0.986	ppb		85
40] Toluene	6.03	92	20659	0.918	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	12711	1.011	ppb		82
42] 1,1,2-Trichloroethane	6.40	83	6312	0.918	ppb		99
43) 2-Hexanone	6.64	43	51374	5.143	ppb		93
44) 1,3-Dichloropropane	6.55	76	11498	1.014	ppb		100
45] Tetrachloroethene	6.51	164	9716	0.920	ppb		99
46) Dibromochloromethane	6.75	129	10363	1.024	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	8504	0.955	ppb		98
48) Chlorobenzene	7.29	112	24163	0.979	ppb		94
49] Ethylbenzene	7.40	91	38943	0.910	ppb		98
50) 1,1,1,2-Tetrachloroethane	7.37	131	9337	0.919	ppb		86
51] m,p-Xylene	7.51	106	30724	1.925	ppb		98
52] o-Xylene	7.88	106	15238	0.904	ppb		98
53) Styrene	7.89	104	23555	0.932	ppb		87
54) Isopropylbenzene	8.23	105	37274	0.963	ppb		93
55) Bromoform	8.07	173	8365	1.014	ppb		81
58) n-Propylbenzene	8.62	91	42527	0.972	ppb		97
59) Bromobenzene	8.51	156	12398	0.985	ppb		80
60) 1,3,5-Trimethylbenzene	8.79	105	29395	0.912	ppb		78
61) 1,1,2,2-Tetrachloroethane	8.53	83	9850	0.953	ppb		69
62) 1,2,3-Trichloropropane	8.56	75	8162	1.064	ppb		77
63) 2-Chlorotoluene	8.70	91	25485	0.969	ppb		84
64) 4-Chlorotoluene	8.80	91	29770	0.984	ppb		97
65) tert-Butylbenzene	9.10	119	29311	0.975	ppb		97
66) 1,2,4-Trimethylbenzene	9.15	105	32864	0.982	ppb		100
67) sec-Butylbenzene	9.31	105	41192	0.975	ppb		97
68) p-Isopropyltoluene	9.46	119	35927	0.955	ppb		93
69) 1,3-Dichlorobenzene	9.42	146	21515	0.961	ppb		92
70) 1,4-Dichlorobenzene	9.50	146	21770	0.983	ppb		86
71) 1,2-Dichlorobenzene	9.86	146	20561	0.957	ppb		88
72) 1,2-Dibromo-3-chloropr...	10.63	75	2246	1.028	ppb		82
73) 1,2,4-Trichlorobenzene	11.44	180	16602	0.951	ppb		83
74) Hexachlorobutadiene	11.61	225	9309	1.115	ppb		74
75) Naphthalene	11.68	128	34989	0.897	ppb		97
76) 1,2,3-Trichlorobenzene	11.92	180	15615	0.979	ppb		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

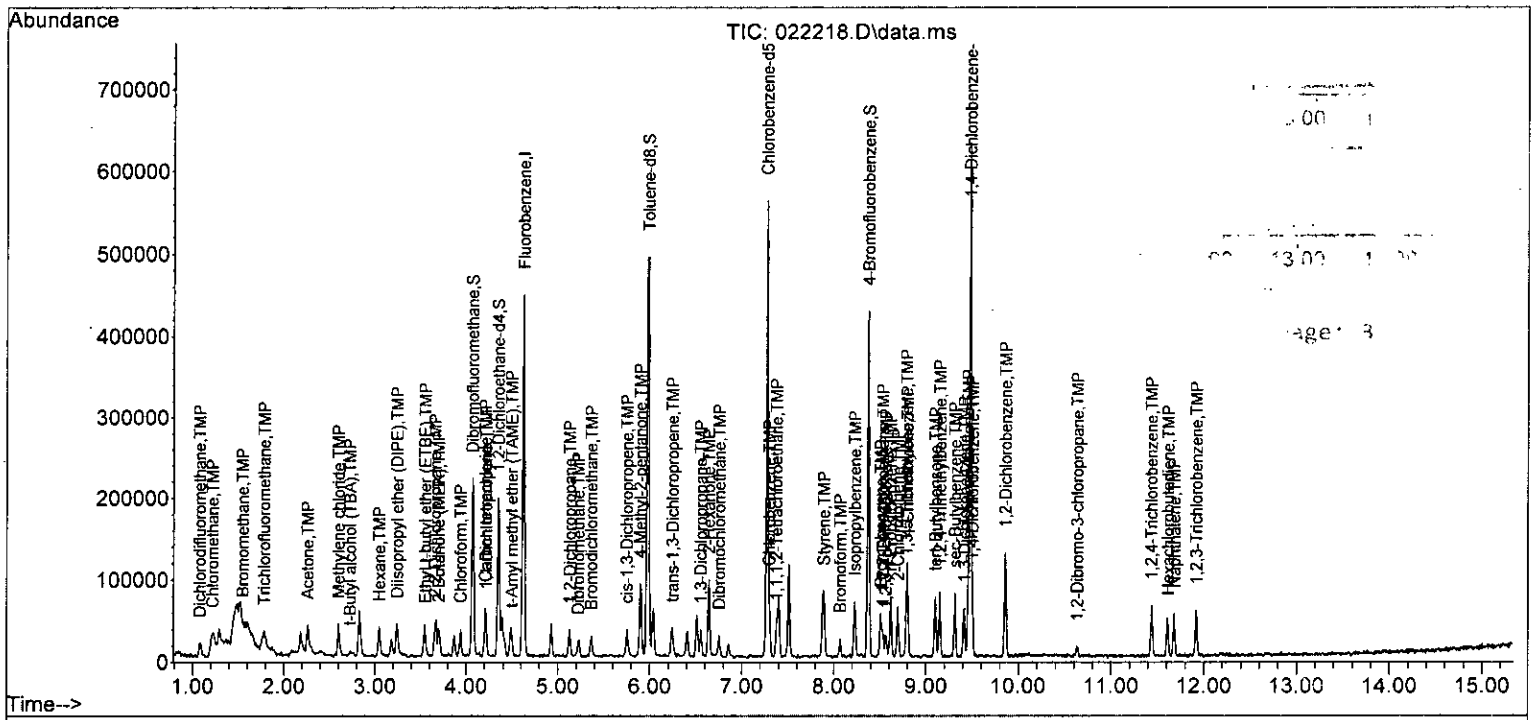
Page: 2

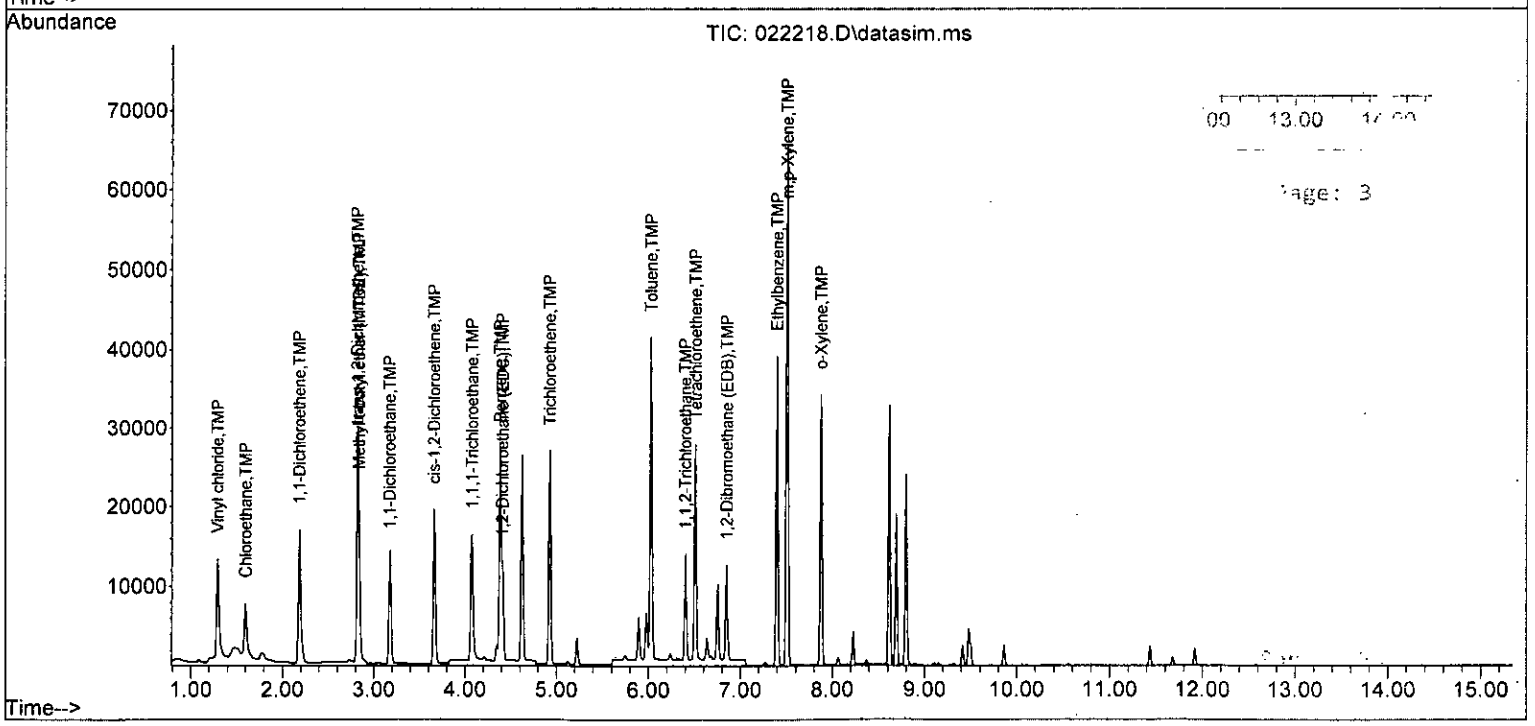
Page: 2

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.206	-2.1	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	1.076	-7.6	100	0.00
5	TMP	Chloromethane	1.000	1.106	-10.6	100	0.00
6	TMP	Vinyl chloride	1.000	1.009	-0.9	104	0.00
7	TMP	Bromomethane	-1.000	0.822	0.0	0	0.02
8	TMP	Chloroethane	1.000	1.071	-7.1	100	0.00
9	TMP	Trichlorofluoromethane	1.000	1.053	-5.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	5.000	5.608	-12.2	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.971	2.9	100	0.00
13	TMP	Hexane	1.000	1.109	-10.9	100	0.00
14	TMP	Methylene chloride	1.000	1.421	-42.1#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	5.000	5.031	-0.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	1.000	1.028	-2.8	103	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	1.093	-9.3	109	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.978	2.2	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.979	2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	1.001	-0.1	100	0.00
21	TMP	2,2-Dichloropropane	1.000	0.892	10.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.996	0.4	100	0.00
23	TMP	Chloroform	1.000	0.983	1.7	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.678	6.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.014	-1.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.993	0.7	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.986	1.4	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.979	2.1	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.951	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.853	1.5	100	0.00
31	TMP	Benzene	1.000	0.959	4.1	100	0.00
32	TMP	Trichloroethene	1.000	1.004	-0.4	100	0.00
33	TMP	1,2-Dichloropropane	1.000	1.098	-9.8	100	0.00
34	TMP	Bromodichloromethane	1.000	1.014	-1.4	100	0.00
35	S	Toluene-d8	10.000	10.177	-1.8	100	0.01
36	TMP	Dibromomethane	1.000	1.022	-2.2	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	5.477	-9.5	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.986	1.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	0.918	8.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	1.011	-1.1	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	0.918	8.2	100	0.00
43	TMP	2-Hexanone	5.000	5.143	-2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	1.014	-1.4	100	0.00
45	TMP	Tetrachloroethene	1.000	0.920	8.0	100	0.00
46	TMP	Dibromochloromethane	1.000	1.024	-2.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.955	4.5	100	0.00
48	TMP	Chlorobenzene	1.000	0.979	2.1	100	0.00
49	TMP	Ethylbenzene	1.000	0.910	9.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.919	8.1	100	0.00
51	TMP	m,p-Xylene	2.000	1.925	3.7	100	0.00
52	TMP	o-Xylene	1.000	0.904	9.6	100	0.00
53	TMP	Styrene	1.000	0.932	6.8	100	0.00
54	TMP	Isopropylbenzene	1.000	0.963	3.7	100	0.00
55	TMP	Bromoform	1.000	1.014	-1.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.862	1.4	100	0.00
58	TMP	n-Propylbenzene	1.000	0.972	2.8	100	0.00
59	TMP	Bromobenzene	1.000	0.985	1.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	0.912	8.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.953	4.7	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.064	-6.4	100	0.00
63	TMP	2-Chlorotoluene	1.000	0.969	3.1	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.984	1.6	100	0.00
65	TMP	tert-Butylbenzene	1.000	0.975	2.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.982	1.8	100	0.00
67	TMP	sec-Butylbenzene	1.000	0.975	2.5	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.955	4.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	0.961	3.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	0.983	1.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	0.957	4.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	1.028	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.000	0.951	4.9	100	0.00
74	TMP	Hexachlorobutadiene	1.000	1.115	-11.5	100	0.00
75	TMP	Naphthalene	1.000	0.897	10.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.979	2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.284	-2.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.591	-7.7	100	0.00
5	TMP	Chloromethane	0.714	0.790	-10.6	100	0.00
6	TMP	Vinyl chloride	0.603	0.609	-1.0	104	0.00
7	TMP	Bromomethane	0.358	0.000#	100.0#	0#	0.02
8	TMP	Chloroethane	0.278	0.298	-7.2	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.807	-5.2	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.080	-11.1	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.288	3.0	100	0.00
13	TMP	Hexane	0.420	0.466	-11.0	100	0.00
14	TMP	Methylene chloride	0.279	0.396	-41.9#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.040	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.711	-2.7	103	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.285	0.7	109	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.958	2.1	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.513	2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.292	-0.3	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.308	6.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.291	7.0	100	0.00
23	TMP	Chloroform	0.473	0.465	1.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.230	6.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.658	-1.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.420	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.432	1.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.334	2.1	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.390	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31	TMP	Benzene	1.048	1.006	4.0	100	0.00
32	TMP	Trichloroethene	0.329	0.305	7.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.324	-9.8	100	0.00
34	TMP	Bromodichloromethane	0.351	0.356	-1.4	100	0.00
35	S	Toluene-d8	0.941	0.958	-1.8	100	0.01
36	TMP	Dibromomethane	0.176	0.179	-1.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.054	-10.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.401	1.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.788	8.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.485	-1.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.241	8.0	100	0.00
43	TMP	2-Hexanone	0.381	0.392	-2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022218.D
Acq On : 22 Feb 2023 06:48 pm
Operator : LM
Sample : 1 ppb 8260 CCV 68-136K
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:31 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.439	-1.4	100	0.00
45	TMP	Tetrachloroethene	0.403	0.371	7.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.395	-2.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.324	4.7	100	0.00
48	TMP	Chlorobenzene	0.941	0.922	2.0	100	0.00
49	TMP	Ethylbenzene	1.632	1.486	8.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.356	6.3	100	0.00
51	TMP	m,p-Xylene	0.656	0.586	10.7	100	0.00
52	TMP	o-Xylene	0.643	0.581	9.6	100	0.00
53	TMP	Styrene	0.964	0.899	6.7	100	0.00
54	TMP	Isopropylbenzene	1.476	1.422	3.7	100	0.00
55	TMP	Bromoform	0.315	0.319	-1.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.714	1.4	100	0.00
58	TMP	n-Propylbenzene	2.900	2.820	2.8	100	0.00
59	TMP	Bromobenzene	0.834	0.822	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	1.949	8.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.653	2.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.541	-6.3	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.690	3.1	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.974	1.5	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.944	2.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.179	1.8	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.731	2.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.382	4.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.427	3.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.444	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.363	4.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.101	4.8	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.617	-11.6	100	0.00
75	TMP	Naphthalene	2.586	2.320	10.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.035	2.1	100	0.00

(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	309658	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234077	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	135821	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	83182	9.653	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.50%				
30) 1,2-Dichloroethane-d4	4.35	102	20481	10.697	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.00%				
35) Toluene-d8	5.97	98	284456	9.760	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.60%				
57) 4-Bromofluorobenzene	8.37	95	100024	10.165	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%				
Target Compounds							Qvalue
2) Ethanol	1.85	45	134	No Calib			
4) Dichlorodifluoromethane	1.08	85	35991	2.117	ppb		96
5) Chloromethane	1.22	50	45831	2.072	ppb		88
6] Vinyl chloride	1.29	62	35995	1.927	ppb		92
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.59	64	19042	2.210	ppb		98
9) Trichlorofluoromethane	1.78	101	45546	1.918	ppb		97
10) 2-Propanol	2.41	45	4417	No Calib			
11) Acetone	2.25	58	20762	9.345	ppb		87
12] 1,1-Dichloroethene	2.19	96	17844	1.942	ppb		98
13) Hexane	3.05	57	25077	1.927	ppb		95
14) Methylene chloride	2.60	84	20795	2.409	ppb		85
15) t-Butyl alcohol (TBA)	2.73	59	12156	9.811	ppb		94
16] Methyl t-butyl ether (...	2.83	73	44284	2.067	ppb		99
17] trans-1,2-Dichloroethene	2.82	96	17325	2.165	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	60102	1.983	ppb		97
19] 1,1-Dichloroethane	3.18	63	32396	1.995	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	19434	2.153	ppb	#	85
21) 2,2-Dichloropropane	3.66	77	21590	2.230	ppb		93
22] cis-1,2-Dichloroethene	3.66	96	18307	2.038	ppb		96
23) Chloroform	3.94	83	27767	1.896	ppb		75
24) 2-Butanone (MEK)	3.70	43	81973	10.759	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	41505	2.064	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	26006	2.012	ppb		100
27] 1,1,1-Trichloroethane	4.07	97	27057	1.996	ppb		98
28) 1,1-Dichloropropene	4.21	75	22517	2.129	ppb		84
29) Carbon tetrachloride	4.21	117	25772	2.030	ppb		85
31] Benzene	4.39	78	62726	1.932	ppb		99
32] Trichloroethene	4.93	95	19209	2.054	ppb		94
33) 1,2-Dichloropropane	5.13	63	17149	1.877	ppb		96
34) Bromodichloromethane	5.37	83	23224	2.138	ppb		98
36) Dibromomethane	5.22	93	12532	2.306	ppb		89

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

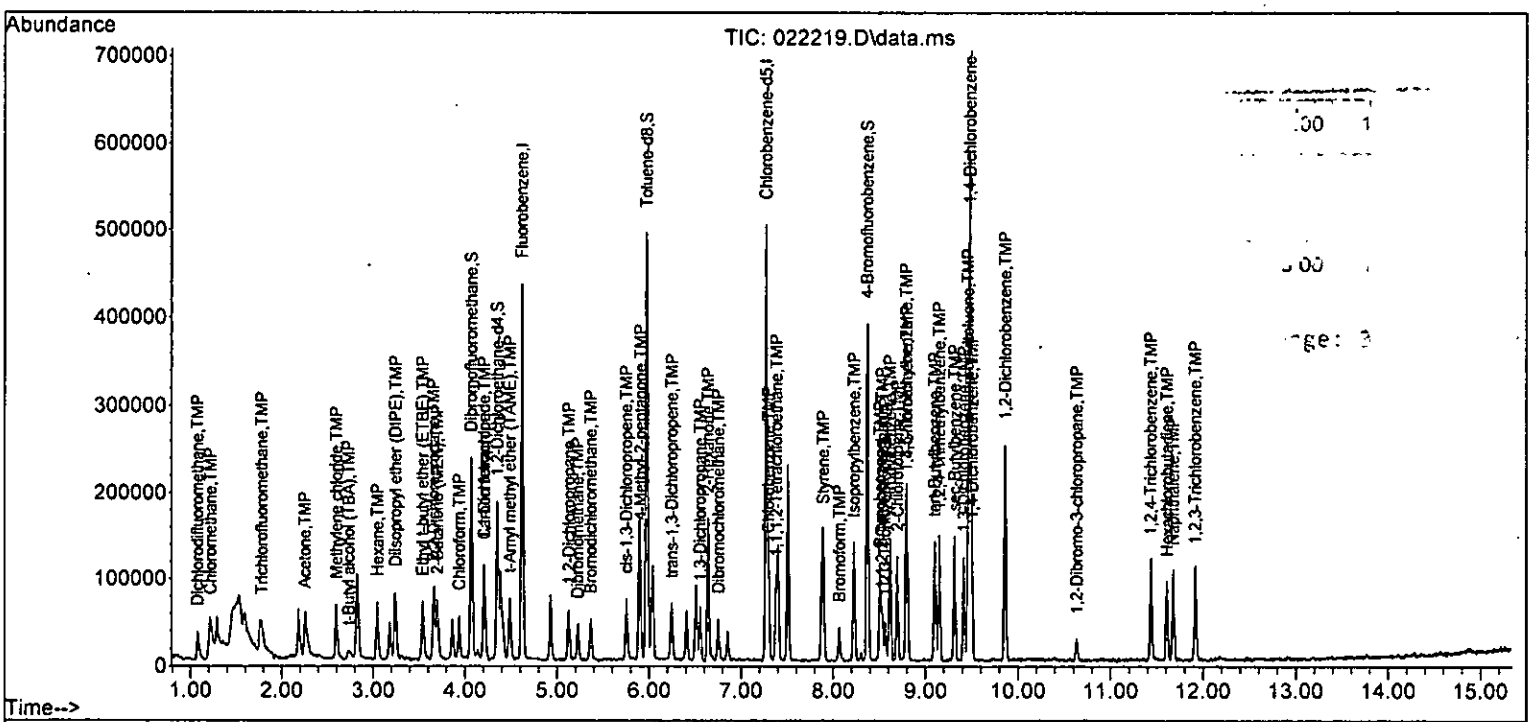
Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

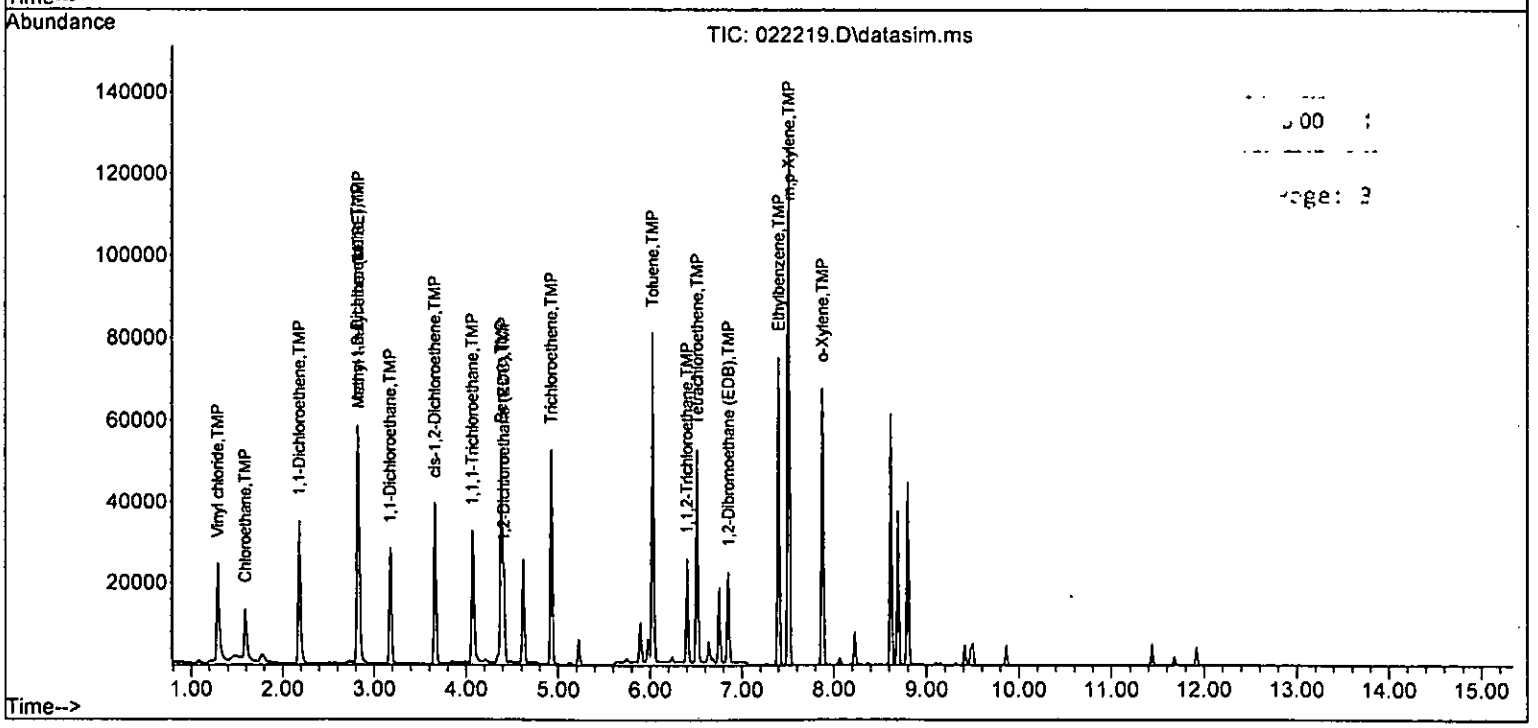
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14551	9.585	ppb	#	70
38) cis-1,3-Dichloropropene	5.75	75	22644	1.798	ppb		90
40] Toluene	6.03	92	39995	1.990	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	21388	1.905	ppb		98
42] 1,1,2-Trichloroethane	6.40	83	12121	1.975	ppb		96
43) 2-Hexanone	6.64	43	96137	10.779	ppb		98
44) 1,3-Dichloropropane	6.55	76	22153	2.187	ppb		87
45] Tetrachloroethene	6.51	164	18905	2.006	ppb		96
46) Dibromochloromethane	6.75	129	19410	2.148	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	16511	2.076	ppb		100
48) Chlorobenzene	7.30	112	45987	2.087	ppb		99
49] Ethylbenzene	7.40	91	75796	1.984	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	18394	2.116	ppb		87
51] m,p-Xylene	7.51	106	59716	4.221	ppb		95
52] o-Xylene	7.88	106	30165	2.004	ppb		93
53) Styrene	7.89	104	46130	2.044	ppb		97
54) Isopropylbenzene	8.23	105	74892	2.168	ppb		99
55) Bromoform	8.07	173	15676	2.128	ppb		67
58) n-Propylbenzene	8.62	91	83459	2.119	ppb		98
59) Bromobenzene	8.51	156	22535	1.988	ppb		98
60) 1,3,5-Trimethylbenzene	8.79	105	61771	2.128	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18063	2.030	ppb		94
62) 1,2,3-Trichloropropane	8.56	75	14043	2.033	ppb		87
63) 2-Chlorotoluene	8.70	91	52268	2.206	ppb		95
64) 4-Chlorotoluene	8.80	91	58539	2.149	ppb		94
65) tert-Butylbenzene	9.10	119	56318	2.081	ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	64034	2.124	ppb		95
67) sec-Butylbenzene	9.31	105	75846	1.993	ppb		90
68) p-Isopropyltoluene	9.46	119	71875	2.121	ppb		96
69) 1,3-Dichlorobenzene	9.41	146	42558	2.111	ppb		95
70) 1,4-Dichlorobenzene	9.50	146	41585	2.086	ppb		91
71) 1,2-Dichlorobenzene	9.86	146	43847	2.265	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	4342	2.207	ppb		77
73) 1,2,4-Trichlorobenzene	11.44	180	33606	2.138	ppb		96
74) Hexachlorobutadiene	11.61	225	16928	2.252	ppb		97
75) Naphthalene	11.68	128	73060	2.080	ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	29692	2.068	ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

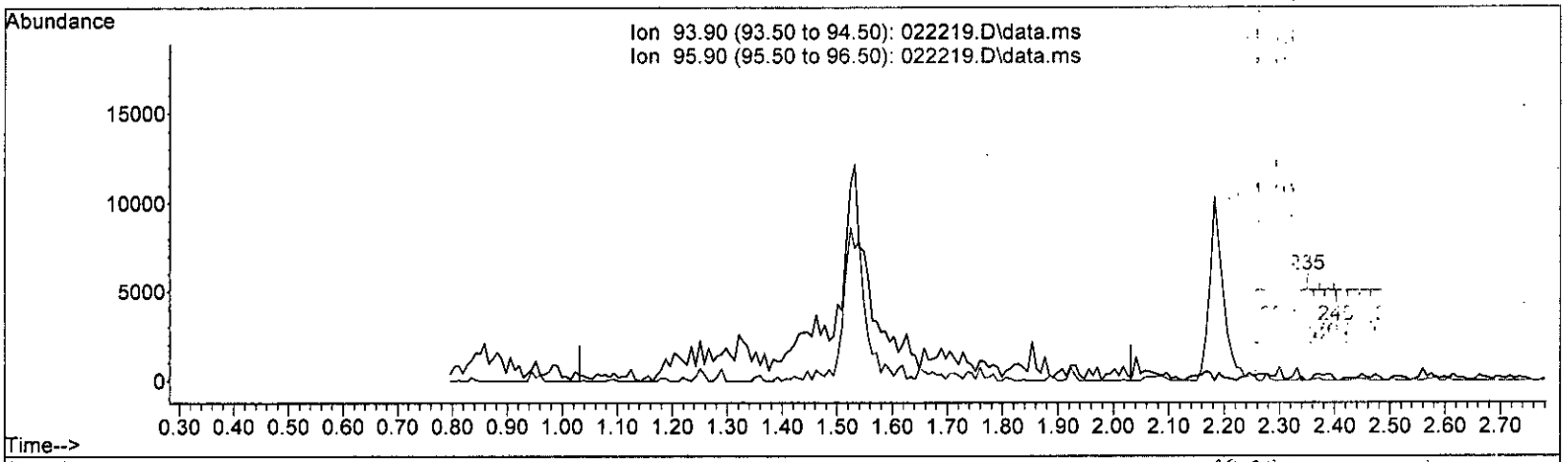


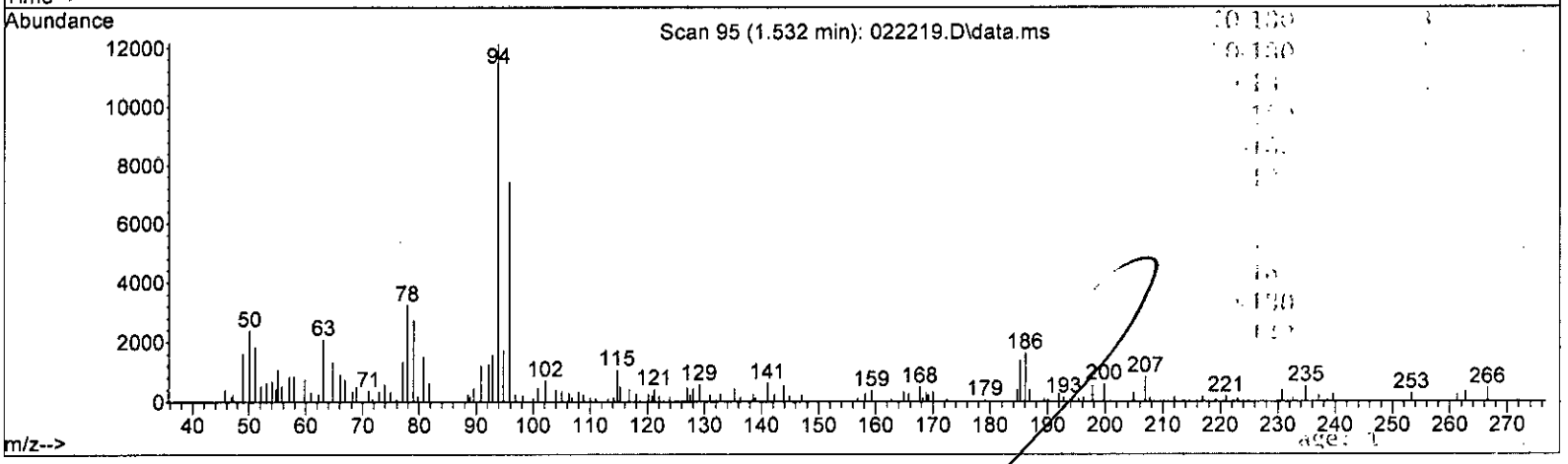


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022219.D\data.ms

(7) Bromomethane (TMP)

1.532min 0.000 ppb d

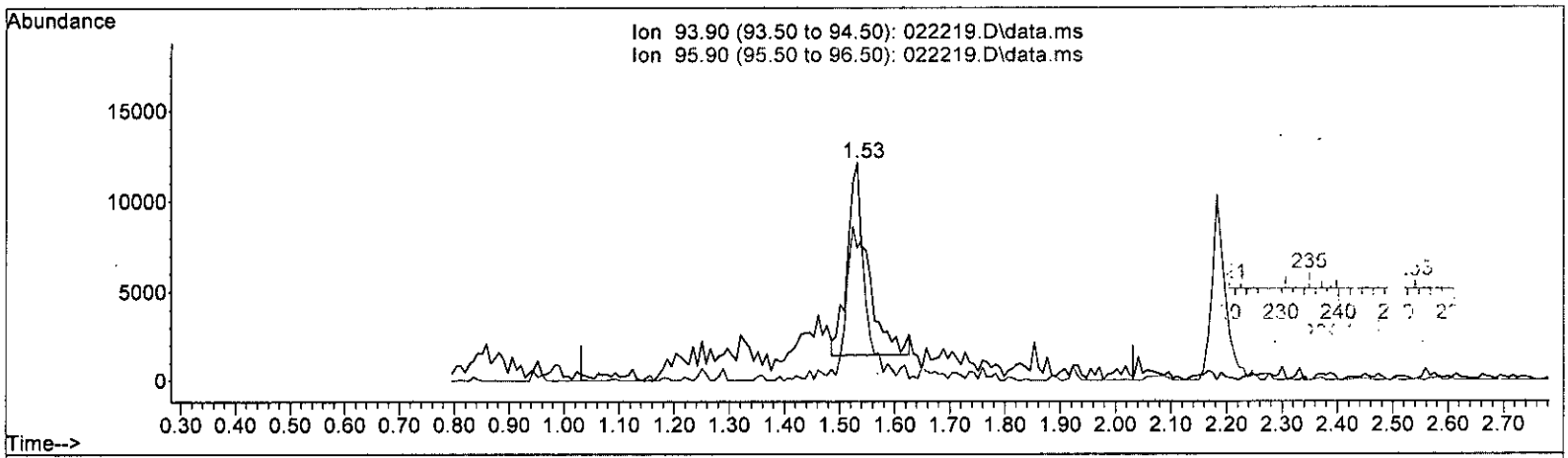
response 0

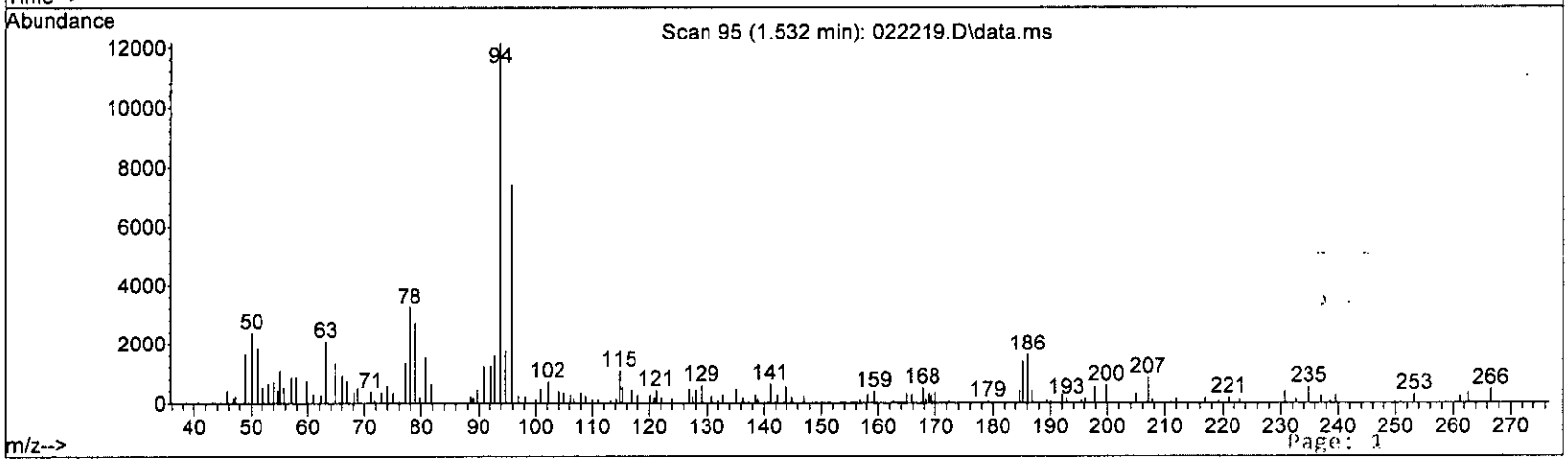
Ion	Exp%	Act%
93.90	100.00	0.00
95.90	102.10	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022219.D\data.ms

(7) Bromomethane (TMP)

1.532min (+ 0.000) 2.508 ppb m

response 27817

Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	61.15#
0.00	0.00	0.00
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	309658	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234077	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	135821	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	83182	9.653	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.50%				
30) 1,2-Dichloroethane-d4	4.35	102	20481	10.697	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.00%				
35) Toluene-d8	5.97	98	284456	9.760	ppb		0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.60%				
57) 4-Bromofluorobenzene	8.37	95	100024	10.165	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.70%				
Target Compounds							Qvalue
2) Ethanol	1.85	45	134	No Calib			
4) Dichlorodifluoromethane	1.08	85	35991	2.117	ppb		96
5) Chloromethane	1.22	50	45831	2.072	ppb		88
6] Vinyl chloride	1.29	62	35995	1.927	ppb		92
7) Bromomethane	1.53	94	27817m	2.508	ppb		
8] Chloroethane	1.59	64	19042	2.210	ppb		98
9) Trichlorofluoromethane	1.78	101	45546	1.918	ppb		97
10) 2-Propanol	2.41	45	4417	No Calib			
11) Acetone	2.25	58	20762	9.345	ppb		87
12] 1,1-Dichloroethene	2.19	96	17844	1.942	ppb		98
13) Hexane	3.05	57	25077	1.927	ppb		95
14) Methylene chloride	2.60	84	20795	2.409	ppb		85
15) t-Butyl alcohol (TBA)	2.73	59	12156	9.811	ppb		94
16] Methyl t-butyl ether (...	2.83	73	44284	2.067	ppb		99
17] trans-1,2-Dichloroethene	2.82	96	17325	2.165	ppb		98
18) Diisopropyl ether (DIPE)	3.24	45	60102	1.983	ppb		97
19] 1,1-Dichloroethane	3.18	63	32396	1.995	ppb		99
20) Ethyl t-butyl ether (E...	3.54	87	19434	2.153	ppb	#	85
21) 2,2-Dichloropropane	3.66	77	21590	2.230	ppb		93
22] cis-1,2-Dichloroethene	3.66	96	18307	2.038	ppb		96
23) Chloroform	3.94	83	27767	1.896	ppb		75
24) 2-Butanone (MEK)	3.70	43	81973	10.759	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	41505	2.064	ppb		92
26] 1,2-Dichloroethane (EDC)	4.41	62	26006	2.012	ppb		100
27] 1,1,1-Trichloroethane	4.07	97	27057	1.996	ppb		98
28) 1,1-Dichloropropene	4.21	75	22517	2.129	ppb		84
29) Carbon tetrachloride	4.21	117	25772	2.030	ppb		85
31] Benzene	4.39	78	62726	1.932	ppb		99
32] Trichloroethene	4.93	95	19209	2.054	ppb		94
33) 1,2-Dichloropropane	5.13	63	17149	1.877	ppb		96
34) Bromodichloromethane	5.37	83	23224	2.138	ppb		98
36) Dibromomethane	5.22	93	12532	2.306	ppb		89

Page: 1

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

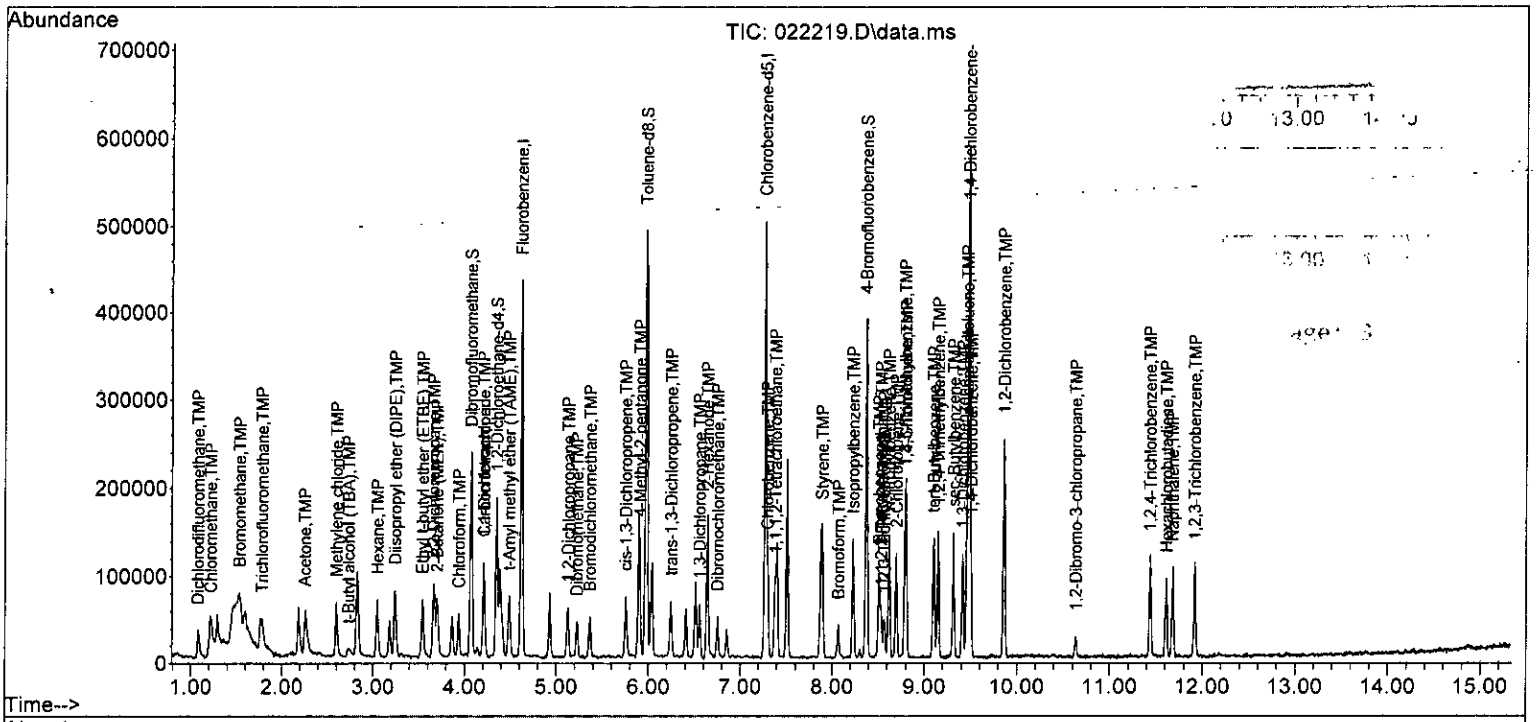
Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

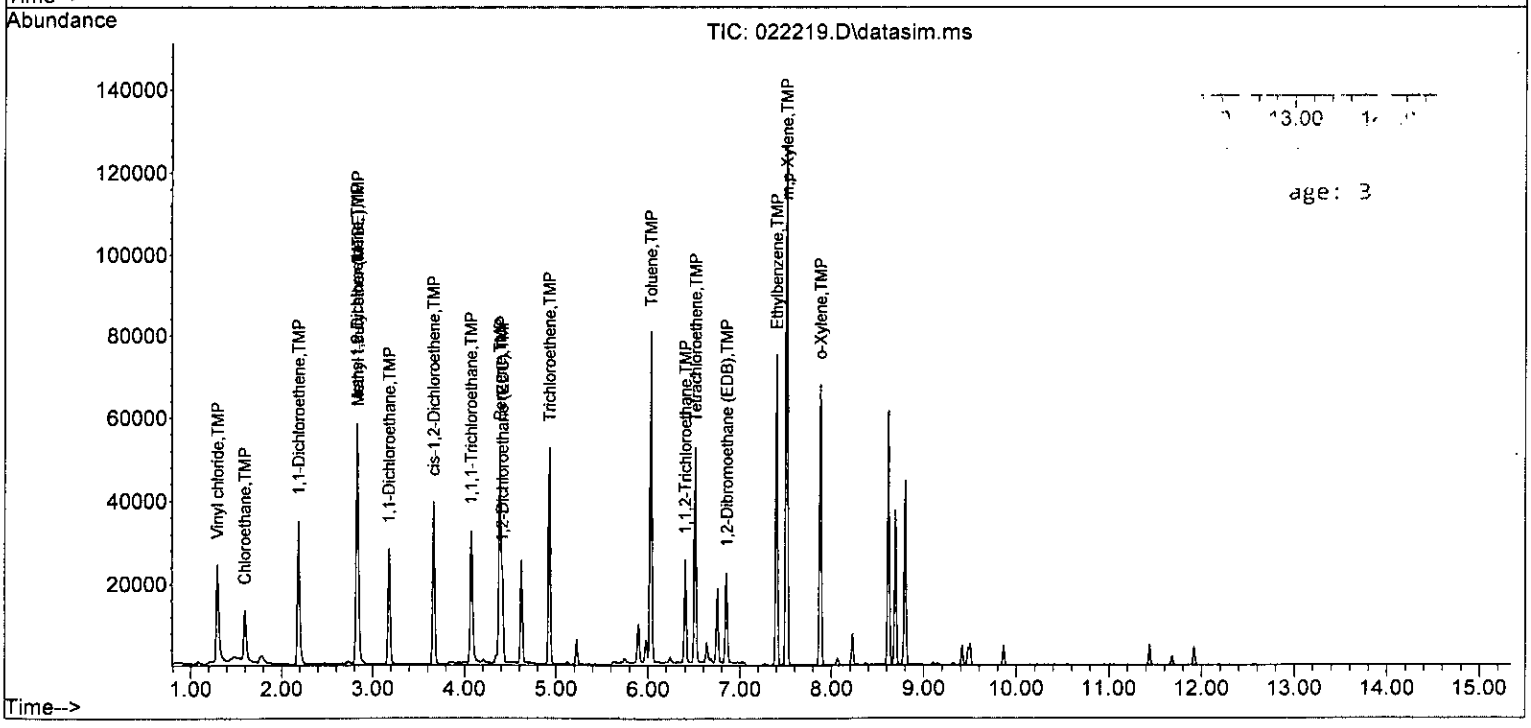
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	14551	9.585 ppb	#	70
38) cis-1,3-Dichloropropene	5.75	75	22644	1.798 ppb		90
40] Toluene	6.03	92	39995	1.990 ppb		99
41) trans-1,3-Dichloropropene	6.25	75	21388	1.905 ppb		98
42] 1,1,2-Trichloroethane	6.40	83	12121	1.975 ppb		96
43) 2-Hexanone	6.64	43	96137	10.779 ppb		98
44) 1,3-Dichloropropane	6.55	76	22153	2.187 ppb		87
45] Tetrachloroethene	6.51	164	18905	2.006 ppb		96
46) Dibromochloromethane	6.75	129	19410	2.148 ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	16511	2.076 ppb		100
48) Chlorobenzene	7.30	112	45987	2.087 ppb		99
49] Ethylbenzene	7.40	91	75796	1.984 ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	18394	2.116 ppb		87
51] m,p-Xylene	7.51	106	59716	4.221 ppb		95
52] o-Xylene	7.88	106	30165	2.004 ppb		93
53) Styrene	7.89	104	46130	2.044 ppb		97
54) Isopropylbenzene	8.23	105	74892	2.168 ppb		99
55) Bromoform	8.07	173	15676	2.128 ppb		67
58) n-Propylbenzene	8.62	91	83459	2.119 ppb		98
59) Bromobenzene	8.51	156	22535	1.988 ppb		98
60) 1,3,5-Trimethylbenzene	8.79	105	61771	2.128 ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	18063	2.030 ppb		94
62) 1,2,3-Trichloropropane	8.56	75	14043	2.033 ppb		87
63) 2-Chlorotoluene	8.70	91	52268	2.206 ppb		95
64) 4-Chlorotoluene	8.80	91	58539	2.149 ppb		94
65) tert-Butylbenzene	9.10	119	56318	2.081 ppb		90
66) 1,2,4-Trimethylbenzene	9.15	105	64034	2.124 ppb		95
67) sec-Butylbenzene	9.31	105	75846	1.993 ppb		90
68) p-Isopropyltoluene	9.46	119	71875	2.121 ppb		96
69) 1,3-Dichlorobenzene	9.41	146	42558	2.111 ppb		95
70) 1,4-Dichlorobenzene	9.50	146	41585	2.086 ppb		91
71) 1,2-Dichlorobenzene	9.86	146	43847	2.265 ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	4342	2.207 ppb		77
73) 1,2,4-Trichlorobenzene	11.44	180	33606	2.138 ppb		96
74) Hexachlorobutadiene	11.61	225	16928	2.252 ppb		97
75) Naphthalene	11.68	128	73060	2.080 ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	29692	2.068 ppb		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.653	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	2.117	-5.8	100	0.00
5	TMP	Chloromethane	2.000	2.072	-3.6	100	0.00
6	TMP	Vinyl chloride	2.000	1.927	3.6	100	0.00
7	TMP	Bromomethane	2.000	2.508	-25.4#	95	0.00
8	TMP	Chloroethane	2.000	2.210	-10.5	113	0.00
9	TMP	Trichlorofluoromethane	2.000	1.918	4.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	10.000	9.345	6.5	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.942	2.9	100	0.00
13	TMP	Hexane	2.000	1.927	3.6	100	0.00
14	TMP	Methylene chloride	2.000	2.409	-20.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	9.811	1.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.067	-3.4	102	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.165	-8.3	105	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.995	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.153	-7.7	100	0.00
21	TMP	2,2-Dichloropropane	2.000	2.230	-11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.038	-1.9	100	0.00
23	TMP	Chloroform	2.000	1.896	5.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	10.759	-7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.064	-3.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.012	-0.6	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.996	0.2	100	0.00
28	TMP	1,1-Dichloropropene	2.000	2.129	-6.5	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.030	-1.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.697	-7.0	100	0.00
31	TMP	Benzene	2.000	1.932	3.4	100	0.00
32	TMP	Trichloroethene	2.000	2.054	-2.7	100	0.00
33	TMP	1,2-Dichloropropane	2.000	1.877	6.2	100	0.00
34	TMP	Bromodichloromethane	2.000	2.138	-6.9	100	0.00
35	S	Toluene-d8	10.000	9.760	2.4	100	0.00
36	TMP	Dibromomethane	2.000	2.306	-15.3	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.585	4.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	2.000	1.798	10.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.990	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.905	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.975	1.2	100	0.00
43	TMP	2-Hexanone	10.000	10.779	-7.8	99	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.653	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	2.117	-5.8	100	0.00
5	TMP	Chloromethane	2.000	2.072	-3.6	100	0.00
6	TMP	Vinyl chloride	2.000	1.927	3.6	100	0.00
7	TMP	Bromomethane	2.000	2.508	-25.4#	95	0.00
8	TMP	Chloroethane	2.000	2.210	-10.5	113	0.00
9	TMP	Trichlorofluoromethane	2.000	1.918	4.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	10.000	9.345	6.5	100	0.00
12	TMP	1,1-Dichloroethene	2.000	1.942	2.9	100	0.00
13	TMP	Hexane	2.000	1.927	3.6	100	0.00
14	TMP	Methylene chloride	2.000	2.409	-20.4#	100	0.00
15	TMP	t-Butyl alcohol (TBA)	10.000	9.811	1.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	2.067	-3.4	102	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	2.165	-8.3	105	0.00
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	0.00
19	TMP	1,1-Dichloroethane	2.000	1.995	0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	2.153	-7.7	100	0.00
21	TMP	2,2-Dichloropropane	2.000	2.230	-11.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	2.038	-1.9	100	0.00
23	TMP	Chloroform	2.000	1.896	5.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	10.759	-7.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	2.064	-3.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	2.012	-0.6	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.996	0.2	100	0.00
28	TMP	1,1-Dichloropropene	2.000	2.129	-6.5	100	0.00
29	TMP	Carbon tetrachloride	2.000	2.030	-1.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.697	-7.0	100	0.00
31	TMP	Benzene	2.000	1.932	3.4	100	0.00
32	TMP	Trichloroethene	2.000	2.054	-2.7	100	0.00
33	TMP	1,2-Dichloropropane	2.000	1.877	6.2	100	0.00
34	TMP	Bromodichloromethane	2.000	2.138	-6.9	100	0.00
35	S	Toluene-d8	10.000	9.760	2.4	100	0.00
36	TMP	Dibromomethane	2.000	2.306	-15.3	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.585	4.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	2.000	1.798	10.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.990	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.905	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	1.975	1.2	100	0.00
43	TMP	2-Hexanone	10.000	10.779	-7.8	99	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022219.D
Acq On : 22 Feb 2023 07:11 pm
Operator : LM
Sample : 2 ppb 8260 CCV 68-136L
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:35 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	2.187	-9.3	100	0.00
45	TMP	Tetrachloroethene	2.000	2.006	-0.3	100	0.00
46	TMP	Dibromochloromethane	2.000	2.148	-7.4	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	2.076	-3.8	100	0.00
48	TMP	Chlorobenzene	2.000	2.087	-4.4	100	0.00
49	TMP	Ethylbenzene	2.000	1.984	0.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	2.116	-5.8	100	0.00
51	TMP	m,p-Xylene	4.000	4.221	-5.5	100	0.00
52	TMP	o-Xylene	2.000	2.004	-0.2	100	0.00
53	TMP	Styrene	2.000	2.044	-2.2	100	0.00
54	TMP	Isopropylbenzene	2.000	2.168	-8.4	100	0.00
55	TMP	Bromoform	2.000	2.128	-6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.165	-1.6	100	0.00
58	TMP	n-Propylbenzene	2.000	2.119	-6.0	100	0.00
59	TMP	Bromobenzene	2.000	1.988	0.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.128	-6.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.030	-1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.033	-1.6	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.206	-10.3	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.149	-7.5	100	0.00
65	TMP	tert-Butylbenzene	2.000	2.081	-4.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	2.124	-6.2	100	0.00
67	TMP	sec-Butylbenzene	2.000	1.993	0.3	100	0.00
68	TMP	p-Isopropyltoluene	2.000	2.121	-6.0	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	2.111	-5.6	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.086	-4.3	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	2.265	-13.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	2.207	-10.3	100	0.09
73	TMP	1,2,4-Trichlorobenzene	2.000	2.138	-6.9	100	0.00
74	TMP	Hexachlorobutadiene	2.000	2.252	-12.6	100	0.00
75	TMP	Naphthalene	2.000	2.080	-4.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.068	-3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	304030	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	234735	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	143007	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	84124	9.944	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.40%			
30) 1,2-Dichloroethane-d4	4.35	102	17610	9.367	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.70%			
35) Toluene-d8	5.97	98	289488	10.116	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 101.20%			
57) 4-Bromofluorobenzene	8.38	95	98658	9.523	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 95.20%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	572	No Calib		
4) Dichlorodifluoromethane	1.08	85	78150	4.681	ppb	92
5) Chloromethane	1.22	50	102187	4.705	ppb	96
6] Vinyl chloride	1.29	62	85194	4.646	ppb	92
7) Bromomethane	1.53	94	51871	4.764	ppb	97
8] Chloroethane	1.60	64	41143	4.864	ppb	98
9) Trichlorofluoromethane	1.78	101	102432	4.394	ppb	97
10) 2-Propanol	2.39	45	1338	No Calib		
11) Acetone	2.26	58	46716	21.416	ppb	97
12] 1,1-Dichloroethene	2.19	96	40663	4.508	ppb	97
13) Hexane	3.05	57	56732	4.440	ppb	90
14) Methylene chloride	2.60	84	41005	4.839	ppb	92
15) t-Butyl alcohol (TBA)	2.73	59	27054	22.239	ppb	96
16] Methyl t-butyl ether (...	2.83	73	99701	4.740	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	37897	4.846	ppb	100
18) Diisopropyl ether (DIPE)	3.24	45	138670	4.660	ppb	97
19] 1,1-Dichloroethane	3.18	63	73236	4.595	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	37442	4.226	ppb	95
21) 2,2-Dichloropropane	3.66	77	43970	4.803	ppb	90
22] cis-1,2-Dichloroethene	3.66	96	41680	4.743	ppb	97
23) Chloroform	3.94	83	65784	4.575	ppb	95
24) 2-Butanone (MEK)	3.70	43	162333	21.700	ppb	97
25) t-Amyl methyl ether (T...	4.49	73	89405	4.529	ppb	97
26] 1,2-Dichloroethane (EDC)	4.41	62	58196	4.622	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	61934	4.654	ppb	97
28) 1,1-Dichloropropene	4.21	75	49466	4.765	ppb	88
29) Carbon tetrachloride	4.21	117	54737	4.391	ppb	100
31] Benzene	4.39	78	142644	4.475	ppb	99
32] Trichloroethene	4.93	95	43510	4.757	ppb	94
33) 1,2-Dichloropropane	5.13	63	39330	4.384	ppb	93
34) Bromodichloromethane	5.37	83	48782	4.574	ppb	88
36) Dibromomethane	5.22	93	22521	4.220	ppb	79

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

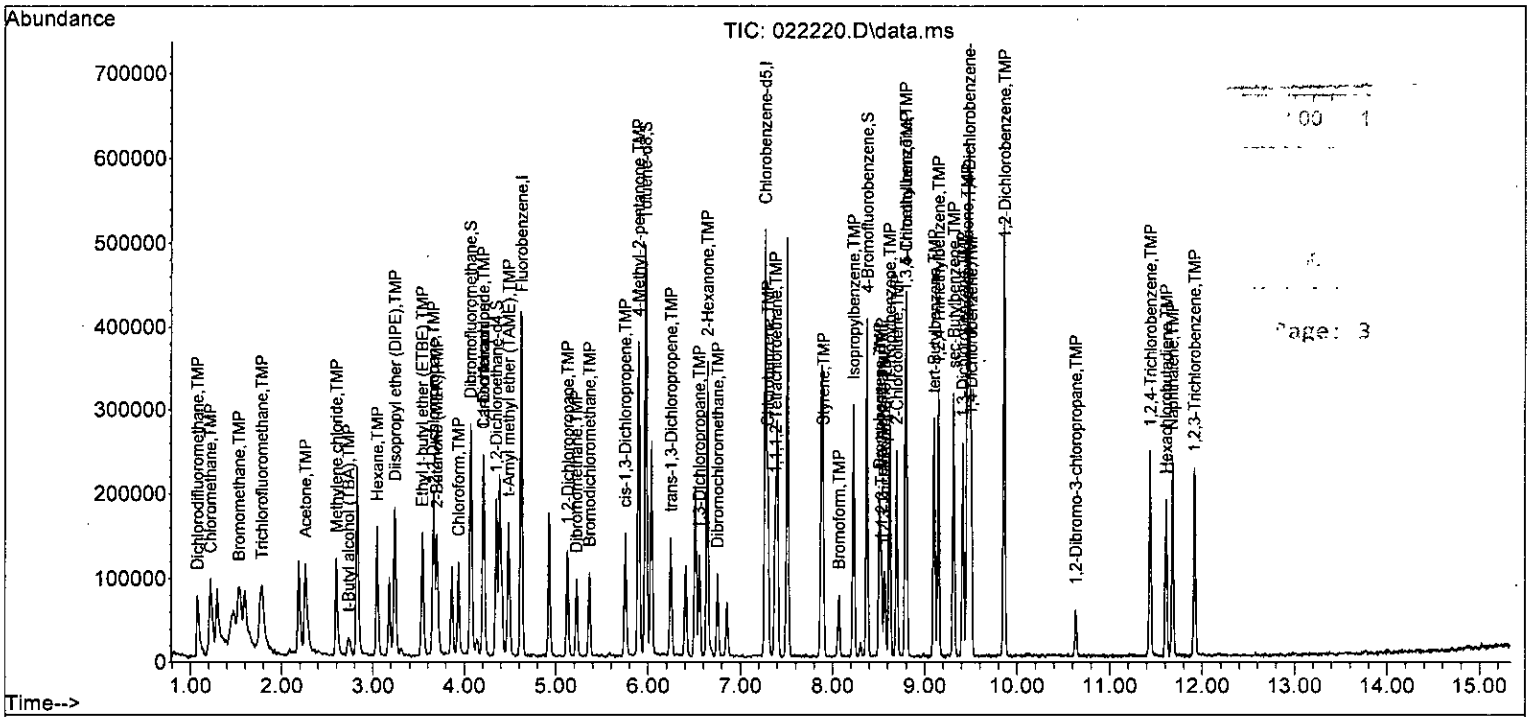
Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

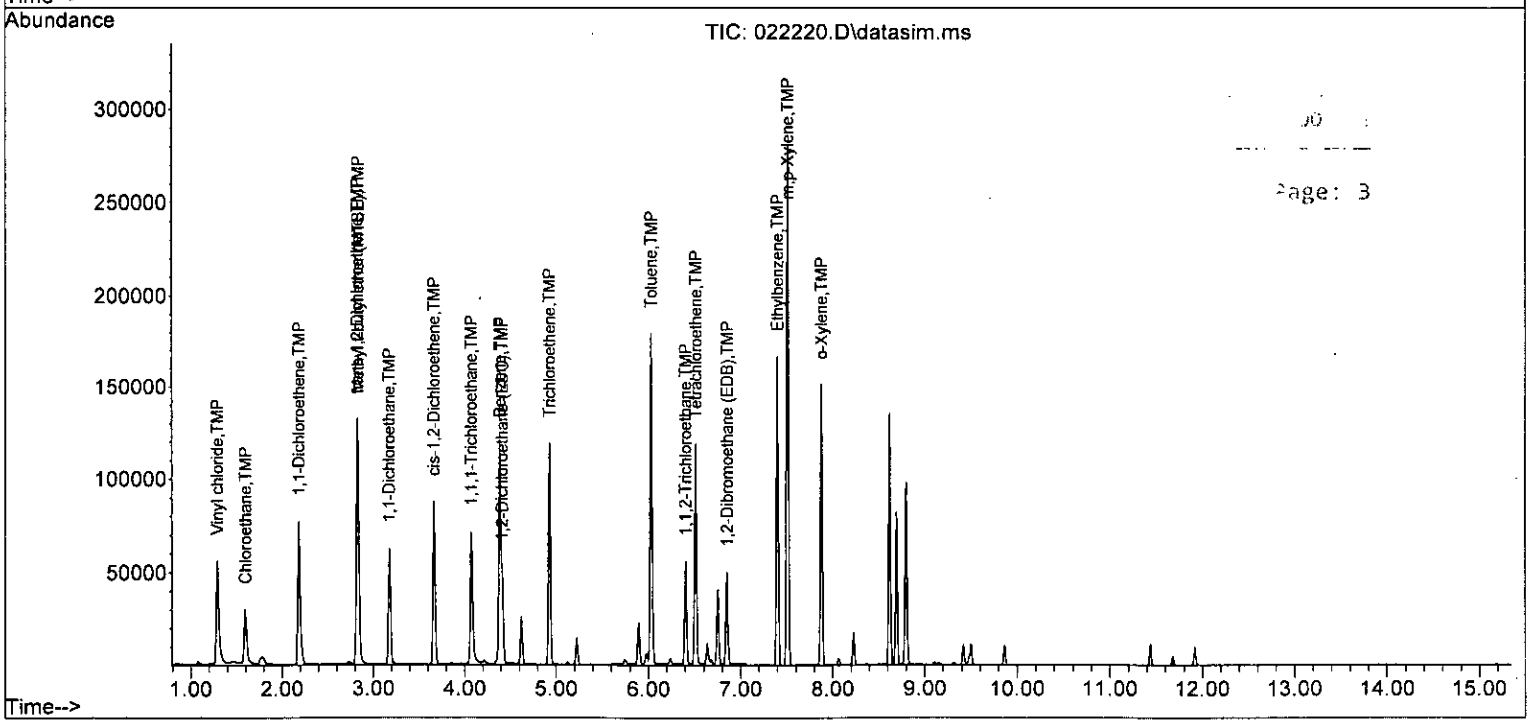
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	34132	22.901 ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	54281	4.389 ppb		97
40] Toluene	6.03	92	89264	4.428 ppb		100
41) trans-1,3-Dichloropropene	6.25	75	48498	4.307 ppb		94
42] 1,1,2-Trichloroethane	6.40	83	26752	4.347 ppb		95
43) 2-Hexanone	6.64	43	216051	24.155 ppb		96
44) 1,3-Dichloropropane	6.55	76	47369	4.663 ppb		95
45] Tetrachloroethene	6.51	164	42320	4.477 ppb		98
46) Dibromochloromethane	6.75	129	40767	4.500 ppb		97
47] 1,2-Dibromoethane (EDB)	6.85	107	36342	4.556 ppb		98
48) Chlorobenzene	7.30	112	103361	4.677 ppb		93
49] Ethylbenzene	7.40	91	167560	4.373 ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	36267	4.230 ppb		90
51] m,p-Xylene	7.51	106	131064	9.272 ppb		95
52] o-Xylene	7.88	106	66586	4.411 ppb		93
53) Styrene	7.90	104	102428	4.525 ppb		92
54) Isopropylbenzene	8.23	105	161294	4.656 ppb		98
55) Bromoform	8.07	173	31443	4.256 ppb		87
58) n-Propylbenzene	8.62	91	185848	4.482 ppb		93
59) Bromobenzene	8.51	156	47587	3.988 ppb		87
60) 1,3,5-Trimethylbenzene	8.79	105	131552	4.305 ppb		86
61) 1,1,2,2-Tetrachloroethane	8.53	83	40391	4.408 ppb		99
62) 1,2,3-Trichloropropane	8.56	75	32199	4.427 ppb		91
63) 2-Chlorotoluene	8.70	91	106831	4.283 ppb		90
64) 4-Chlorotoluene	8.80	91	122802	4.282 ppb		93
65) tert-Butylbenzene	9.10	119	121403	4.261 ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	140427	4.424 ppb		98
67) sec-Butylbenzene	9.31	105	175018	4.367 ppb		95
68) p-Isopropyltoluene	9.46	119	155357	4.354 ppb		98
69) 1,3-Dichlorobenzene	9.41	146	93264	4.393 ppb		97
70) 1,4-Dichlorobenzene	9.50	146	94089	4.482 ppb		92
71) 1,2-Dichlorobenzene	9.86	146	94183	4.621 ppb		97
72) 1,2-Dibromo-3-chloropr...	10.63	75	9972	4.814 ppb	#	62
73) 1,2,4-Trichlorobenzene	11.44	180	74357	4.494 ppb		95
74) Hexachlorobutadiene	11.61	225	36867	4.659 ppb		89
75) Naphthalene	11.68	128	157048	4.247 ppb		97
76) 1,2,3-Trichlorobenzene	11.91	180	66750	4.415 ppb		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
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DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.944	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	4.681	6.4	100	0.00
5	TMP	Chloromethane	5.000	4.705	5.9	100	0.00
6	TMP	Vinyl chloride	5.000	4.646	7.1	100	0.00
7	TMP	Bromomethane	5.000	4.764	4.7	100	0.00
8	TMP	Chloroethane	5.000	4.864	2.7	100	0.00
9	TMP	Trichlorofluoromethane	5.000	4.394	12.1	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	25.000	21.416	14.3	100	0.00
12	TMP	1,1-Dichloroethene	5.000	4.508	9.8	100	0.00
13	TMP	Hexane	5.000	4.440	11.2	100	0.00
14	TMP	Methylene chloride	5.000	4.839	3.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	25.000	22.239	11.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	5.000	4.740	5.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	5.000	4.846	3.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	5.000	4.660	6.8	100	0.00
19	TMP	1,1-Dichloroethane	5.000	4.595	8.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.226	15.5	100	0.00
21	TMP	2,2-Dichloropropane	5.000	4.803	3.9	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	4.743	5.1	100	0.00
23	TMP	Chloroform	5.000	4.575	8.5	100	0.00
24	TMP	2-Butanone (MEK)	25.000	21.700	13.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.529	9.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	5.000	4.622	7.6	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.654	6.9	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.765	4.7	100	0.00
29	TMP	Carbon tetrachloride	5.000	4.391	12.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.367	6.3	100	0.00
31	TMP	Benzene	5.000	4.475	10.5	100	0.00
32	TMP	Trichloroethene	5.000	4.757	4.9	100	0.00
33	TMP	1,2-Dichloropropane	5.000	4.384	12.3	100	0.00
34	TMP	Bromodichloromethane	5.000	4.574	8.5	100	0.00
35	S	Toluene-d8	10.000	10.116	-1.2	100	0.00
36	TMP	Dibromomethane	5.000	4.220	15.6	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	22.901	8.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.389	12.2	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	4.428	11.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.307	13.9	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	4.347	13.1	100	0.00
43	TMP	2-Hexanone	25.000	24.155	3.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	4.663	6.7	100	0.00
45	TMP	Tetrachloroethene	5.000	4.477	10.5	100	0.00
46	TMP	Dibromochloromethane	5.000	4.500	10.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.556	8.9	100	0.00
48	TMP	Chlorobenzene	5.000	4.677	6.5	100	0.00
49	TMP	Ethylbenzene	5.000	4.373	12.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.230	15.4	100	0.00
51	TMP	m,p-Xylene	10.000	9.272	7.3	100	0.00
52	TMP	o-Xylene	5.000	4.411	11.8	100	0.00
53	TMP	Styrene	5.000	4.525	9.5	100	0.00
54	TMP	Isopropylbenzene	5.000	4.656	6.9	100	0.00
55	TMP	Bromoform	5.000	4.256	14.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.523	4.8	100	0.00
58	TMP	n-Propylbenzene	5.000	4.482	10.4	100	0.00
59	TMP	Bromobenzene	5.000	3.988	20.2#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.305	13.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	4.408	11.8	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.427	11.5	100	0.00
63	TMP	2-Chlorotoluene	5.000	4.283	14.3	100	0.00
64	TMP	4-Chlorotoluene	5.000	4.282	14.4	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.261	14.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.424	11.5	100	0.00
67	TMP	sec-Butylbenzene	5.000	4.367	12.7	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.354	12.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.393	12.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.482	10.4	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.621	7.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.814	3.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	5.000	4.494	10.1	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.659	6.8	100	0.00
75	TMP	Naphthalene	5.000	4.247	15.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.415	11.7	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.277	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.514	6.4	100	0.00
5	TMP	Chloromethane	0.714	0.672	5.9	100	0.00
6	TMP	Vinyl chloride	0.603	0.560	7.1	100	0.00
7	TMP	Bromomethane	0.358	0.341	4.7	100	0.00
8	TMP	Chloroethane	0.278	0.271	2.5	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.674	12.1	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.061	15.3	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.267	10.1	100	0.00
13	TMP	Hexane	0.420	0.373	11.2	100	0.00
14	TMP	Methylene chloride	0.279	0.270	3.2	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.036	10.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.656	5.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.249	13.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.912	6.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.482	8.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.246	15.5	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.289	12.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.274	12.5	100	0.00
23	TMP	Chloroform	0.473	0.433	8.5	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.214	13.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.588	9.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.383	13.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.407	7.1	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.325	4.7	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.360	12.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	1.048	0.938	10.5	100	0.00
32	TMP	Trichloroethene	0.329	0.286	13.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.259	12.2	100	0.00
34	TMP	Bromodichloromethane	0.351	0.321	8.5	100	0.00
35	S	Toluene-d8	0.941	0.952	-1.2	100	0.00
36	TMP	Dibromomethane	0.176	0.148	15.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.045	8.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.357	12.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.761	11.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.413	14.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.228	13.0	100	0.00
43	TMP	2-Hexanone	0.381	0.368	3.4	100	0.00

Page: 1

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022220.D
Acq On : 22 Feb 2023 07:33 pm
Operator : LM
Sample : 5 ppb 8260 CCV 68-136M
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:39 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

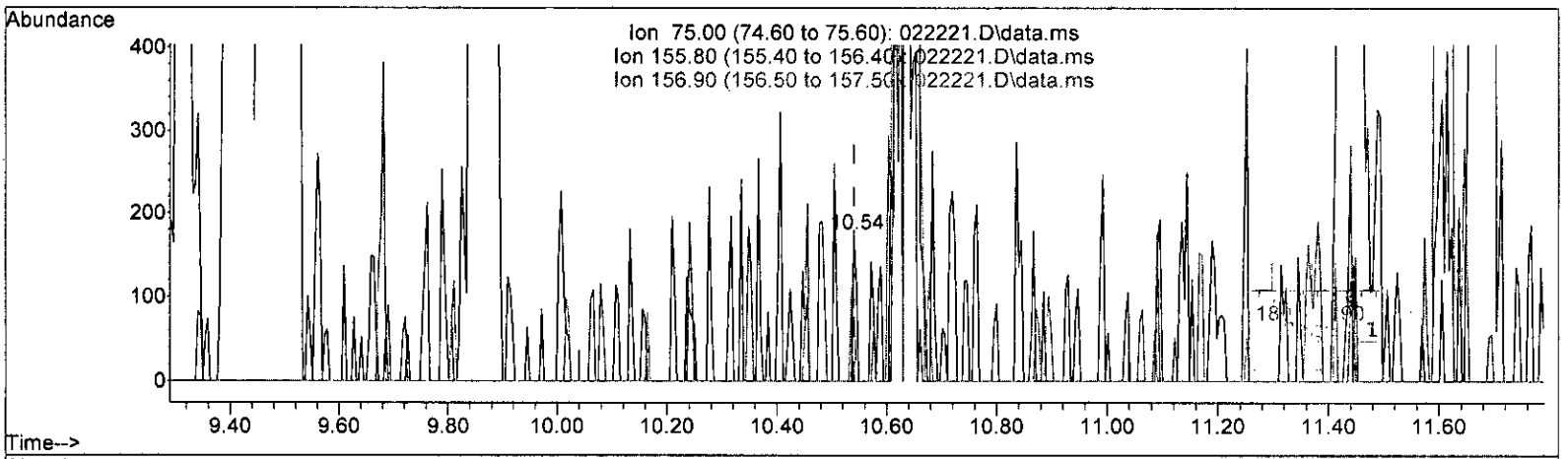
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.404	6.7	100	0.00
45	TMP	Tetrachloroethene	0.403	0.361	10.4	100	0.00
46	TMP	Dibromochloromethane	0.386	0.347	10.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.310	8.8	100	0.00
48	TMP	Chlorobenzene	0.941	0.881	6.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.428	12.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.309	18.7	100	0.00
51	TMP	m,p-Xylene	0.656	0.558	14.9	100	0.00
52	TMP	o-Xylene	0.643	0.567	11.8	100	0.00
53	TMP	Styrene	0.964	0.873	9.4	100	0.00
54	TMP	Isopropylbenzene	1.476	1.374	6.9	100	0.00
55	TMP	Bromoform	0.315	0.268	14.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.690	4.7	100	0.00
58	TMP	n-Propylbenzene	2.900	2.599	10.4	100	0.00
59	TMP	Bromobenzene	0.834	0.666	20.1#	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	1.840	13.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.565	15.9	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.450#	11.6	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.494	14.3	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.717	14.4	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.698	14.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	1.964	11.5	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.448	12.6	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.173	12.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.304	12.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.316	10.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.317	7.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.139	4.1	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.040	10.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.516	6.7	100	0.00
75	TMP	Naphthalene	2.586	2.196	15.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	0.934	11.6	100	0.00

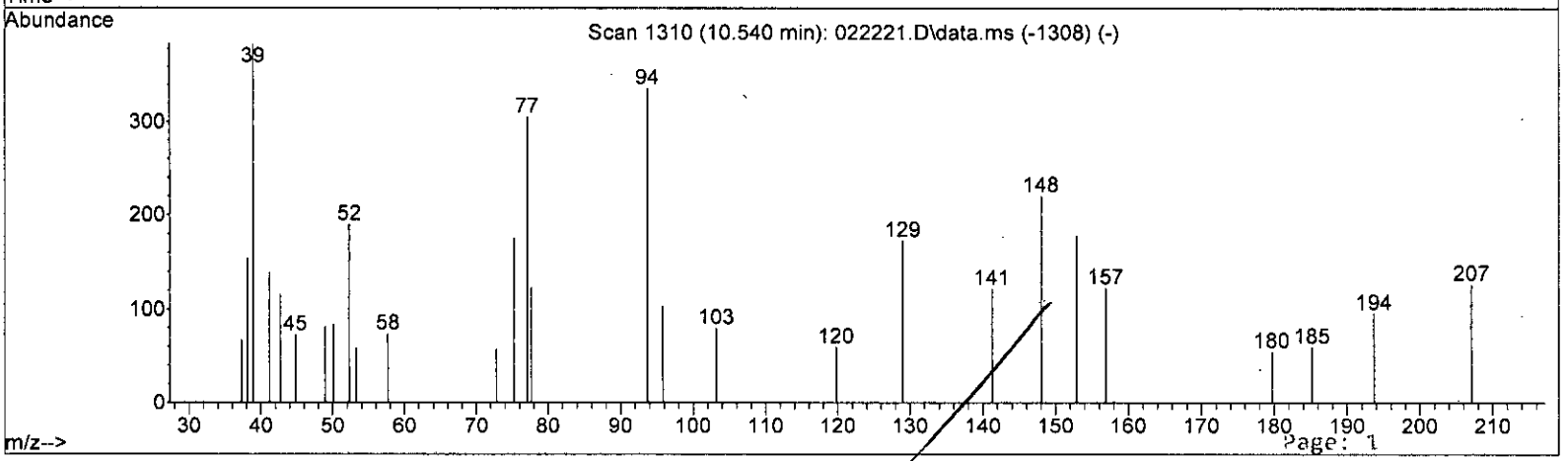
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Page: 1

TIC: 022221.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.540min (+ 0.000) 0.038 ppb
response 78

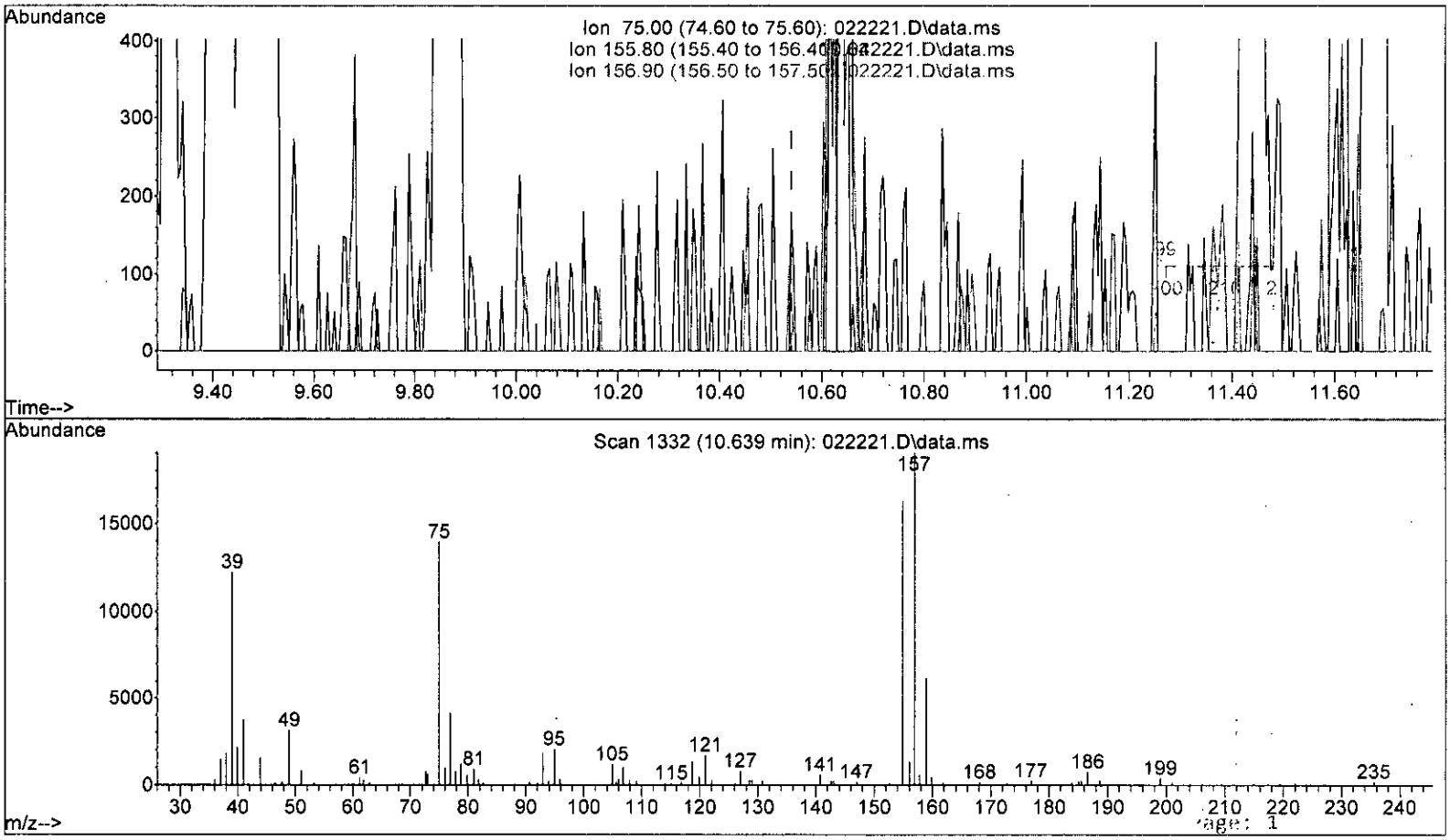
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	69.71
0.00	0.00	0.00

m 2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022221.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.639min (+ 0.099) 9.660 ppb m
response 19812

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	9.45
156.90	93.30	136.70#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	292579	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	243407	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	141583	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	85943	10.556	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.60%			
30) 1,2-Dichloroethane-d4	4.35	102	17373	9.603	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 96.00%			
35) Toluene-d8	5.97	98	291038	10.568	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 105.70%			
57) 4-Bromofluorobenzene	8.38	95	99387	9.690	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 96.90%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	321	No Calib		
4) Dichlorodifluoromethane	1.08	85	171691	10.686	ppb	91
5) Chloromethane	1.22	50	216877	10.376	ppb	95
6] Vinyl chloride	1.29	62	179244	10.158	ppb	90
7) Bromomethane	1.53	94	104512	9.974	ppb	98
8] Chloroethane	1.60	64	87016	10.689	ppb	98
9) Trichlorofluoromethane	1.77	101	218398	9.734	ppb	99
10) 2-Propanol	2.39	45	1566	No Calib		
11) Acetone	2.26	58	103713	49.407	ppb	99
12] 1,1-Dichloroethene	2.18	96	85967	9.904	ppb	98
13) Hexane	3.05	57	122199	9.937	ppb	96
14) Methylene chloride	2.60	84	75269	9.230	ppb	99
15) t-Butyl alcohol (TBA)	2.73	59	59470	50.799	ppb	97
16] Methyl t-butyl ether (...	2.83	73	212215	10.485	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	80042	10.657	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	288042	10.057	ppb	94
19] 1,1-Dichloroethane	3.17	63	157294	10.254	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	84411	9.899	ppb	89
21) 2,2-Dichloropropane	3.66	77	95701	11.070	ppb	88
22] cis-1,2-Dichloroethene	3.66	96	91447	10.829	ppb	96
23) Chloroform	3.94	83	142679	10.311	ppb	99
24) 2-Butanone (MEK)	3.70	43	353946	49.165	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	191451	10.079	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	125010	10.368	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	133574	10.430	ppb	98
28) 1,1-Dichloropropene	4.21	75	100830	10.092	ppb	89
29) Carbon tetrachloride	4.21	117	117994	9.836	ppb	99
31] Benzene	4.39	78	309352	10.085	ppb	99
32] Trichloroethene	4.93	95	94348	10.736	ppb	94
33) 1,2-Dichloropropane	5.13	63	82569	9.564	ppb	99
34) Bromodichloromethane	5.37	83	102222	9.960	ppb	97
36) Dibromomethane	5.22	93	51419	10.012	ppb	90

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

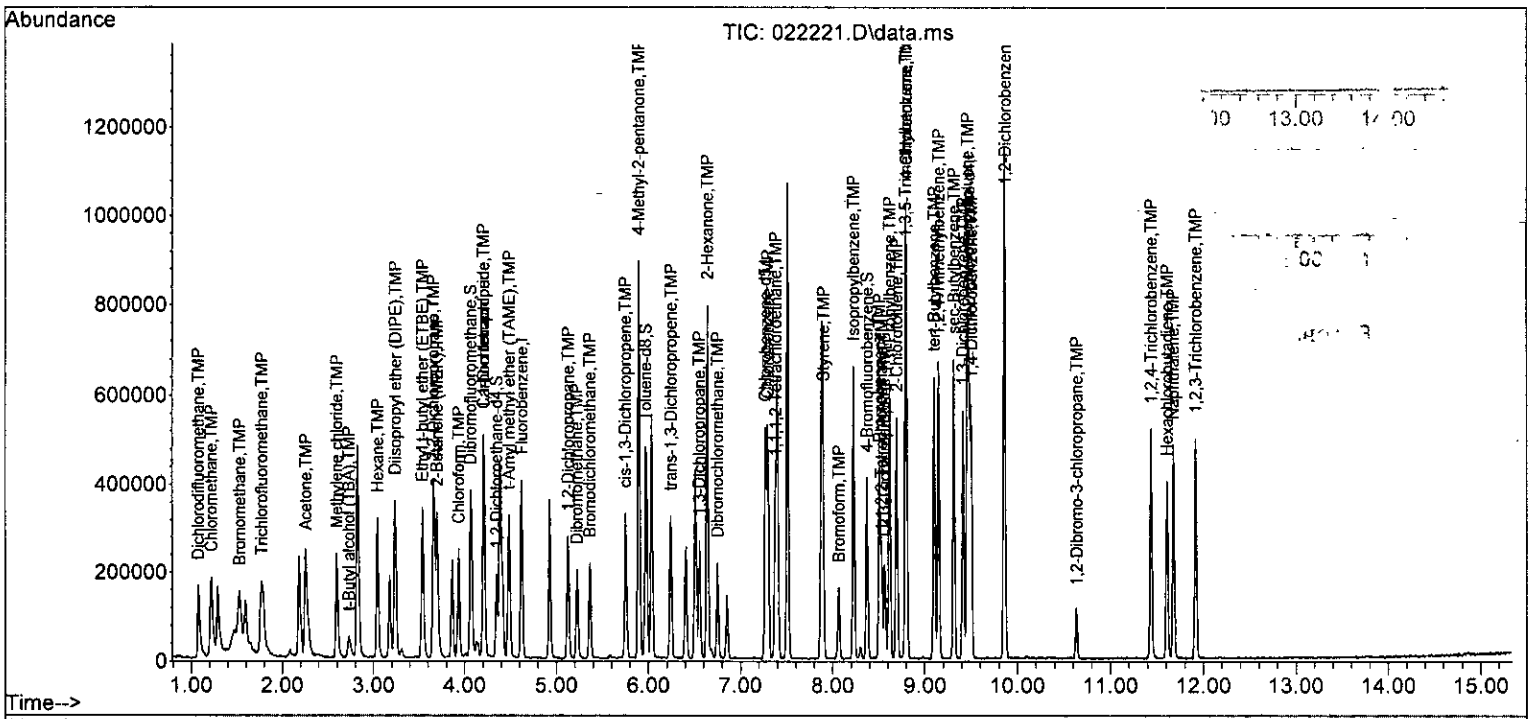
Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

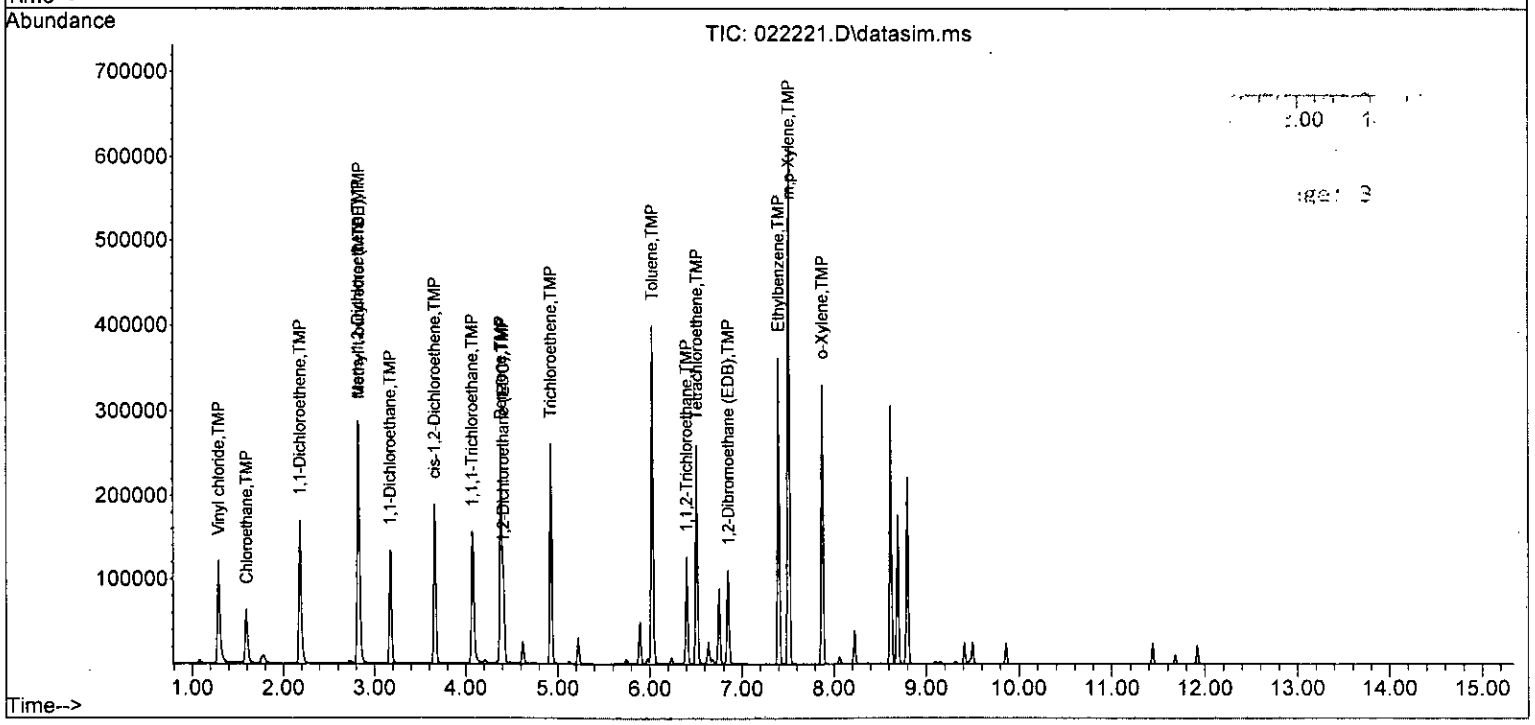
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	74182	51.720	ppb	#	85
38) cis-1,3-Dichloropropene	5.75	75	120329	10.110	ppb		96
40] Toluene	6.03	92	197952	9.470	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	115188	9.866	ppb		94
42] 1,1,2-Trichloroethane	6.40	83	59839	9.376	ppb		95
43) 2-Hexanone	6.64	43	468038	50.464	ppb		99
44) 1,3-Dichloropropane	6.55	76	102394	9.720	ppb		100
45] Tetrachloroethene	6.51	164	92956	9.484	ppb		98
46) Dibromochloromethane	6.75	129	90288	9.611	ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	80621	9.747	ppb		99
48) Chlorobenzene	7.29	112	228553	9.974	ppb		94
49] Ethylbenzene	7.40	91	368901	9.284	ppb		97
50) 1,1,1,2-Tetrachloroethane	7.38	131	87904	9.985	ppb		94
51] m,p-Xylene	7.51	106	289705	19.795	ppb		95
52] o-Xylene	7.88	106	147174	9.401	ppb		94
53) Styrene	7.90	104	226680	9.657	ppb		98
54) Isopropylbenzene	8.23	105	361560	10.065	ppb		97
55) Bromoform	8.07	173	71715	9.361	ppb		87
58) n-Propylbenzene	8.62	91	407981	9.937	ppb		98
59) Bromobenzene	8.51	156	113115	9.574	ppb		93
60) 1,3,5-Trimethylbenzene	8.79	105	303671	10.038	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.53	83	83103	9.255	ppb		97
62) 1,2,3-Trichloropropane	8.56	75	68914	9.571	ppb		94
63) 2-Chlorotoluene	8.70	91	242702	9.827	ppb		92
64) 4-Chlorotoluene	8.80	91	275141	9.691	ppb		99
65) tert-Butylbenzene	9.10	119	280820	9.954	ppb		98
66) 1,2,4-Trimethylbenzene	9.15	105	308457	9.816	ppb		100
67) sec-Butylbenzene	9.31	105	399837	10.078	ppb		97
68) p-Isopropyltoluene	9.46	119	348032	9.853	ppb		98
69) 1,3-Dichlorobenzene	9.41	146	208377	9.914	ppb		93
70) 1,4-Dichlorobenzene	9.50	146	205809	9.902	ppb		94
71) 1,2-Dichlorobenzene	9.86	146	194754	9.652	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.64	75	19812m	9.660	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	157161	9.593	ppb		98
74) Hexachlorobutadiene	11.61	225	82726	10.559	ppb		93
75) Naphthalene	11.68	128	354752	9.689	ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	151865	10.145	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.556	-5.6	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.686	-6.9	100	0.00
5	TMP	Chloromethane	10.000	10.376	-3.8	100	0.00
6	TMP	Vinyl chloride	10.000	10.158	-1.6	100	0.00
7	TMP	Bromomethane	10.000	9.974	0.3	100	0.00
8	TMP	Chloroethane	10.000	10.689	-6.9	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.734	2.7	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	49.407	1.2	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.904	1.0	100	0.00
13	TMP	Hexane	10.000	9.937	0.6	100	0.00
14	TMP	Methylene chloride	10.000	9.230	7.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	50.799	-1.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.485	-4.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.657	-6.6	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.057	-0.6	100	0.00
19	TMP	1,1-Dichloroethane	10.000	10.254	-2.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.899	1.0	100	0.00
21	TMP	2,2-Dichloropropane	10.000	11.070	-10.7	99	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.829	-8.3	100	0.00
23	TMP	Chloroform	10.000	10.311	-3.1	100	0.00
24	TMP	2-Butanone (MEK)	50.000	49.165	1.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.079	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.368	-3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.430	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	10.000	10.092	-0.9	100	0.00
29	TMP	Carbon tetrachloride	10.000	9.836	1.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.603	4.0	100	0.00
31	TMP	Benzene	10.000	10.085	-0.9	100	0.00
32	TMP	Trichloroethene	10.000	10.736	-7.4	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.564	4.4	100	0.00
34	TMP	Bromodichloromethane	10.000	9.960	0.4	100	0.00
35	S	Toluene-d8	10.000	10.568	-5.7	100	0.00
36	TMP	Dibromomethane	10.000	10.012	-0.1	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	51.720	-3.4	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.110	-1.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.470	5.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.866	1.3	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.376	6.2	100	0.00
43	TMP	2-Hexanone	50.000	50.464	-0.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.720	2.8	100	0.00
45	TMP	Tetrachloroethene	10.000	9.484	5.2	100	0.00
46	TMP	Dibromochloromethane	10.000	9.611	3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.747	2.5	100	0.00
48	TMP	Chlorobenzene	10.000	9.974	0.3	100	0.00
49	TMP	Ethylbenzene	10.000	9.284	7.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.985	0.2	100	0.00
51	TMP	m,p-Xylene	20.000	19.795	1.0	100	0.00
52	TMP	o-Xylene	10.000	9.401	6.0	100	0.00
53	TMP	Styrene	10.000	9.657	3.4	100	0.00
54	TMP	Isopropylbenzene	10.000	10.065	-0.6	100	0.00
55	TMP	Bromoform	10.000	9.361	6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.690	3.1	100	0.00
58	TMP	n-Propylbenzene	10.000	9.937	0.6	100	0.00
59	TMP	Bromobenzene	10.000	9.574	4.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.038	-0.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.255	7.4	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.571	4.3	100	0.00
63	TMP	2-Chlorotoluene	10.000	9.827	1.7	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.691	3.1	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.954	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	9.816	1.8	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.078	-0.8	100	0.00
68	TMP	p-Isopropyltoluene	10.000	9.853	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.914	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.902	1.0	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.652	3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.660	3.4	100	0.10
73	TMP	1,2,4-Trichlorobenzene	10.000	9.593	4.1	100	0.00
74	TMP	Hexachlorobutadiene	10.000	10.559	-5.6	100	0.00
75	TMP	Naphthalene	10.000	9.689	3.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.145	-1.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.294	-5.8	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.587	-6.9	100	0.00
5	TMP	Chloromethane	0.714	0.741	-3.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.613	-1.7	100	0.00
7	TMP	Bromomethane	0.358	0.357	0.3	100	0.00
8	TMP	Chloroethane	0.278	0.297	-6.8	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.746	2.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.071	1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.294	1.0	100	0.00
13	TMP	Hexane	0.420	0.418	0.5	100	0.00
14	TMP	Methylene chloride	0.279	0.257	7.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.041	-2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.725	-4.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.274	4.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.984	-0.5	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.538	-2.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.289	0.7	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.327	0.9	99	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.313	0.0	100	0.00
23	TMP	Chloroform	0.473	0.488	-3.2	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.242	1.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.654	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.427	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.457	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.345	-1.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.403	1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31	TMP	Benzene	1.048	1.057	-0.9	100	0.00
32	TMP	Trichloroethene	0.329	0.322	2.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.282	4.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.349	0.6	100	0.00
35	S	Toluene-d8	0.941	0.995	-5.7	100	0.00
36	TMP	Dibromomethane	0.176	0.176	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.051	-4.1	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.411	-1.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.813	5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.473	1.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.246	6.1	100	0.00
43	TMP	2-Hexanone	0.381	0.385	-1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022221.D
Acq On : 22 Feb 2023 07:55 pm
Operator : LM
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:43 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

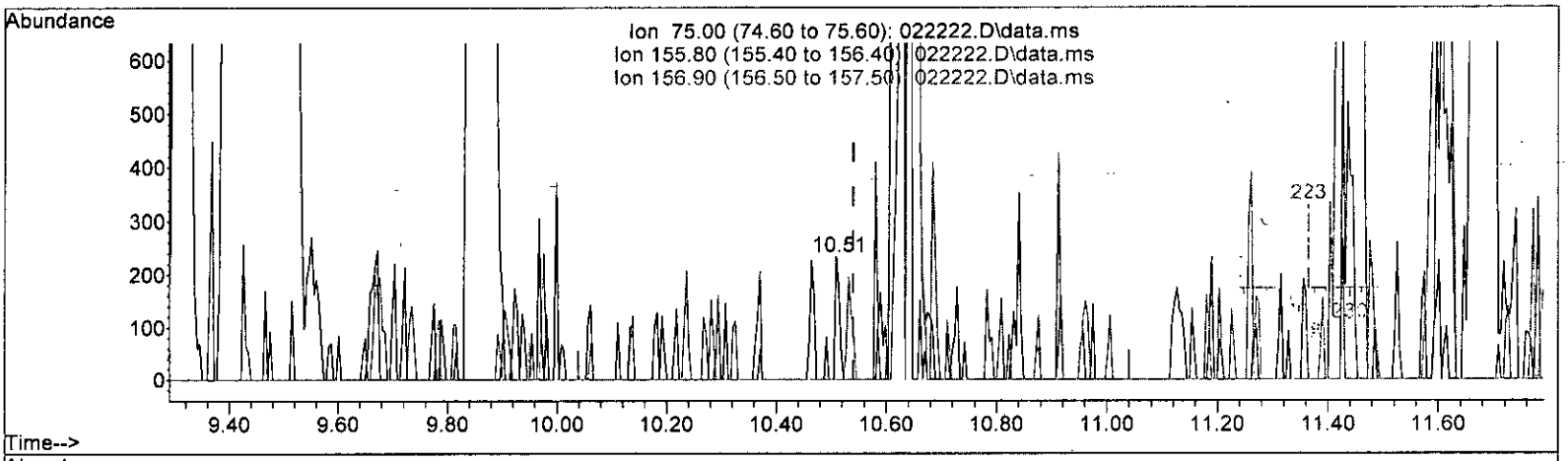
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.421	2.8	100	0.00
45	TMP	Tetrachloroethene	0.403	0.382	5.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.371	3.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.331	2.6	100	0.00
48	TMP	Chlorobenzene	0.941	0.939	0.2	100	0.00
49	TMP	Ethylbenzene	1.632	1.516	7.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.361	5.0	100	0.00
51	TMP	m,p-Xylene	0.656	0.595	9.3	100	0.00
52	TMP	o-Xylene	0.643	0.605	5.9	100	0.00
53	TMP	Styrene	0.964	0.931	3.4	100	0.00
54	TMP	Isopropylbenzene	1.476	1.485	-0.6	100	0.00
55	TMP	Bromoform	0.315	0.295	6.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.702	3.0	100	0.00
58	TMP	n-Propylbenzene	2.900	2.882	0.6	100	0.00
59	TMP	Bromobenzene	0.834	0.799	4.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.145	-0.4	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.587	12.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.487#	4.3	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.714	1.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.943	3.1	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.983	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.179	1.8	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.824	-0.8	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.458	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.472	0.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.454	1.0	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.376	3.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.140	3.4	100	0.10
73	TMP	1,2,4-Trichlorobenzene	1.157	1.110	4.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.584	-5.6	100	0.00
75	TMP	Naphthalene	2.586	2.506	3.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.073	-1.5	100	0.00

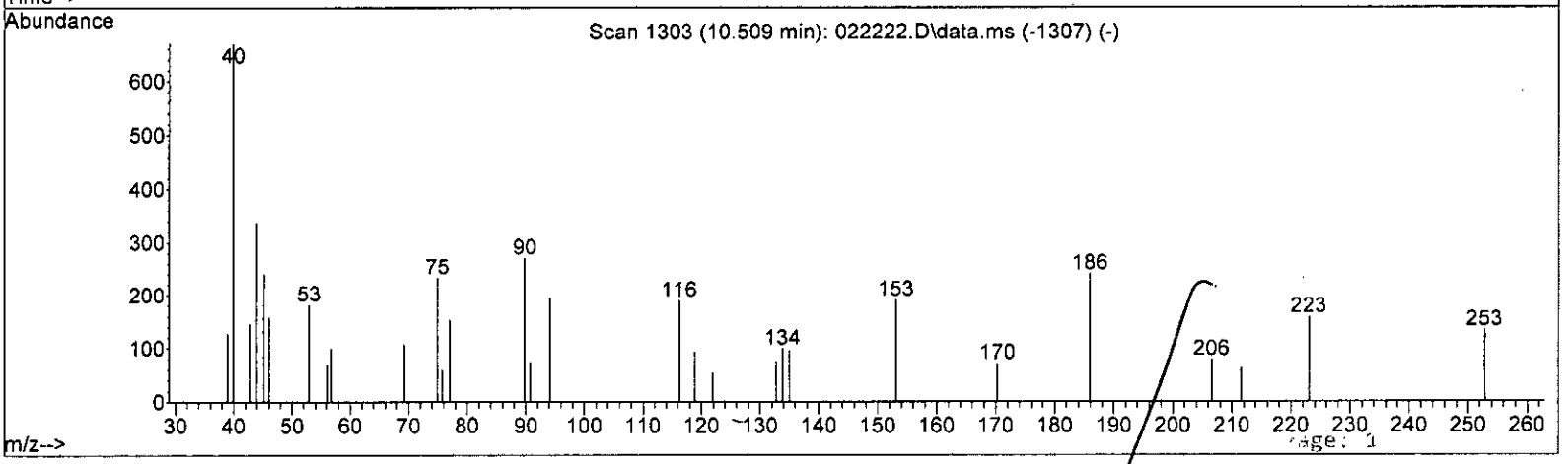
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022222.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.509min (-0.031) 0.061 ppb
response 126

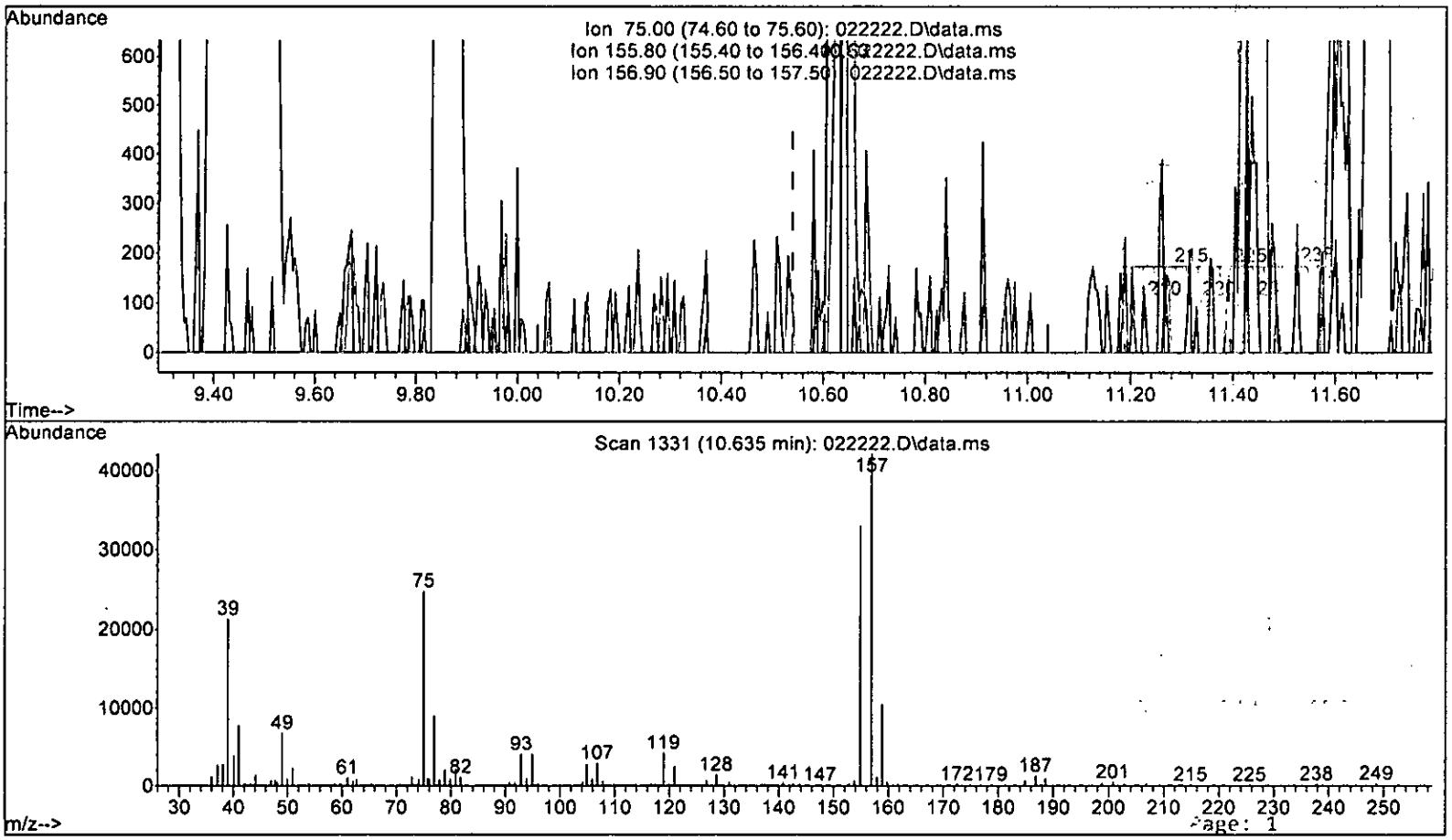
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



TIC: 022222.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.635min (+ 0.095) 17.892 ppb m

response 36765

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	170.43#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	300568	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	243321	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	141851	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	82844	9.905	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.10%			
30) 1,2-Dichloroethane-d4	4.35	102	18499	9.954	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 99.50%			
35) Toluene-d8	5.97	98	290844	10.281	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 102.80%			
57) 4-Bromofluorobenzene	8.38	95	104656	10.184	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.80%			
Target Compounds						Qvalue
2) Ethanol	1.87	45	251	No Calib		
4) Dichlorodifluoromethane	1.08	85	313153	18.973	ppb	99
5) Chloromethane	1.22	50	395289	18.409	ppb	98
6] Vinyl chloride	1.29	62	338441	18.669	ppb	90
7) Bromomethane	1.52	94	196310	18.237	ppb	88
8] Chloroethane	1.60	64	161089	19.262	ppb	98
9) Trichlorofluoromethane	1.77	101	413310	17.932	ppb	88
10) 2-Propanol	2.39	45	4412	No Calib		
11) Acetone	2.25	58	197992	91.812	ppb	90
12] 1,1-Dichloroethene	2.19	96	162986	18.278	ppb	99
13) Hexane	3.05	57	234772	18.584	ppb	99
14) Methylene chloride	2.60	84	146660	17.507	ppb	90
15) t-Butyl alcohol (TBA)	2.72	59	115238	95.819	ppb	93
16] Methyl t-butyl ether (...	2.83	73	397862	19.135	ppb	99
17] trans-1,2-Dichloroethene	2.82	96	150028	19.460	ppb	98
18) Diisopropyl ether (DIPE)	3.24	45	550788	18.720	ppb	97
19] 1,1-Dichloroethane	3.18	63	298452	18.940	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	160405	18.311	ppb	93
21) 2,2-Dichloropropane	3.66	77	178273	20.206	ppb	93
22] cis-1,2-Dichloroethene	3.66	96	170728	19.691	ppb	96
23) Chloroform	3.94	83	267389	18.809	ppb	98
24) 2-Butanone (MEK)	3.70	43	745652	100.823	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	368585	18.888	ppb	99
26] 1,2-Dichloroethane (EDC)	4.41	62	233275	18.909	ppb	100
27] 1,1,1-Trichloroethane	4.07	97	251182	19.092	ppb	98
28) 1,1-Dichloropropene	4.21	75	201152	19.598	ppb	93
29) Carbon tetrachloride	4.21	117	220099	17.859	ppb	98
31] Benzene	4.39	78	581721	18.460	ppb	99
32] Trichloroethene	4.93	95	177317	19.652	ppb	94
33) 1,2-Dichloropropane	5.13	63	157174	17.721	ppb	98
34) Bromodichloromethane	5.37	83	198713	18.846	ppb	97
36) Dibromomethane	5.22	93	96094	18.214	ppb	87

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

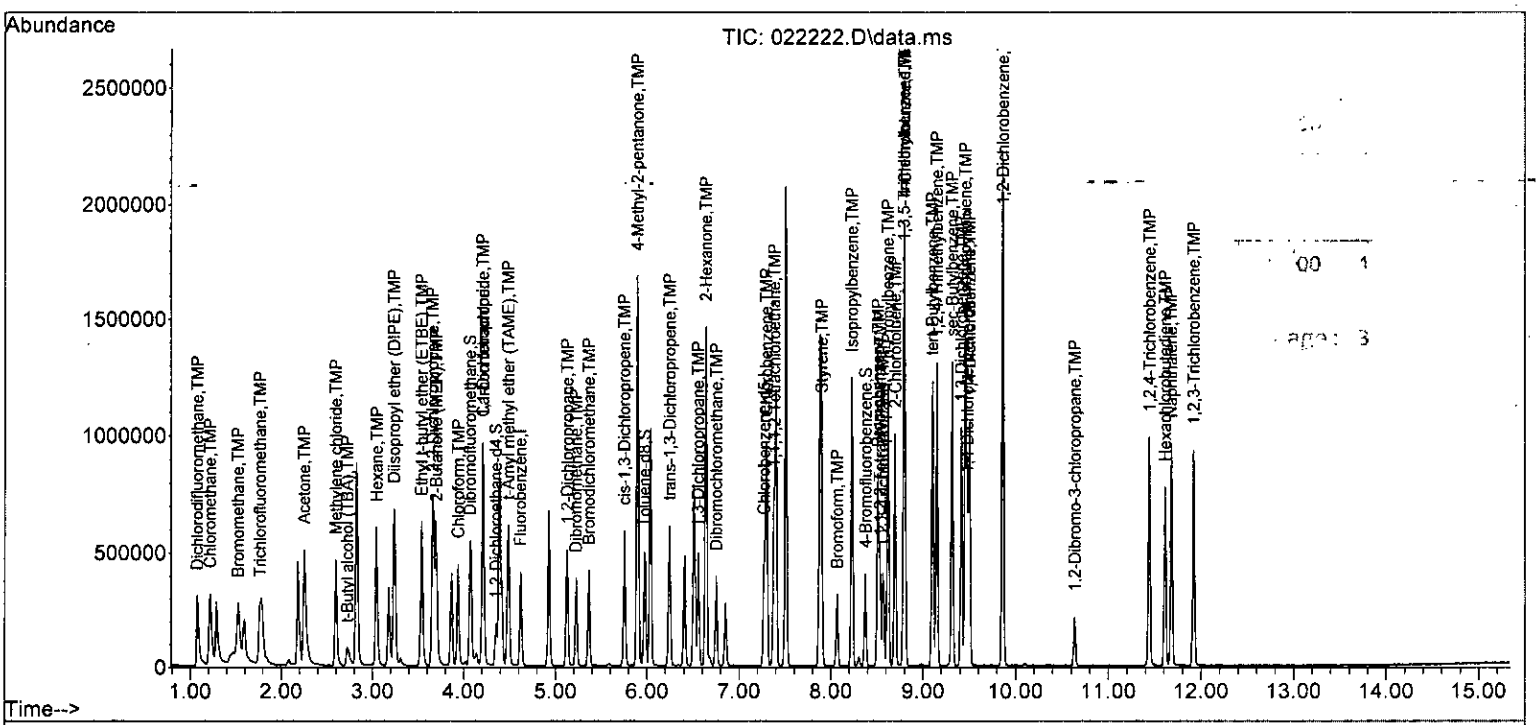
Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

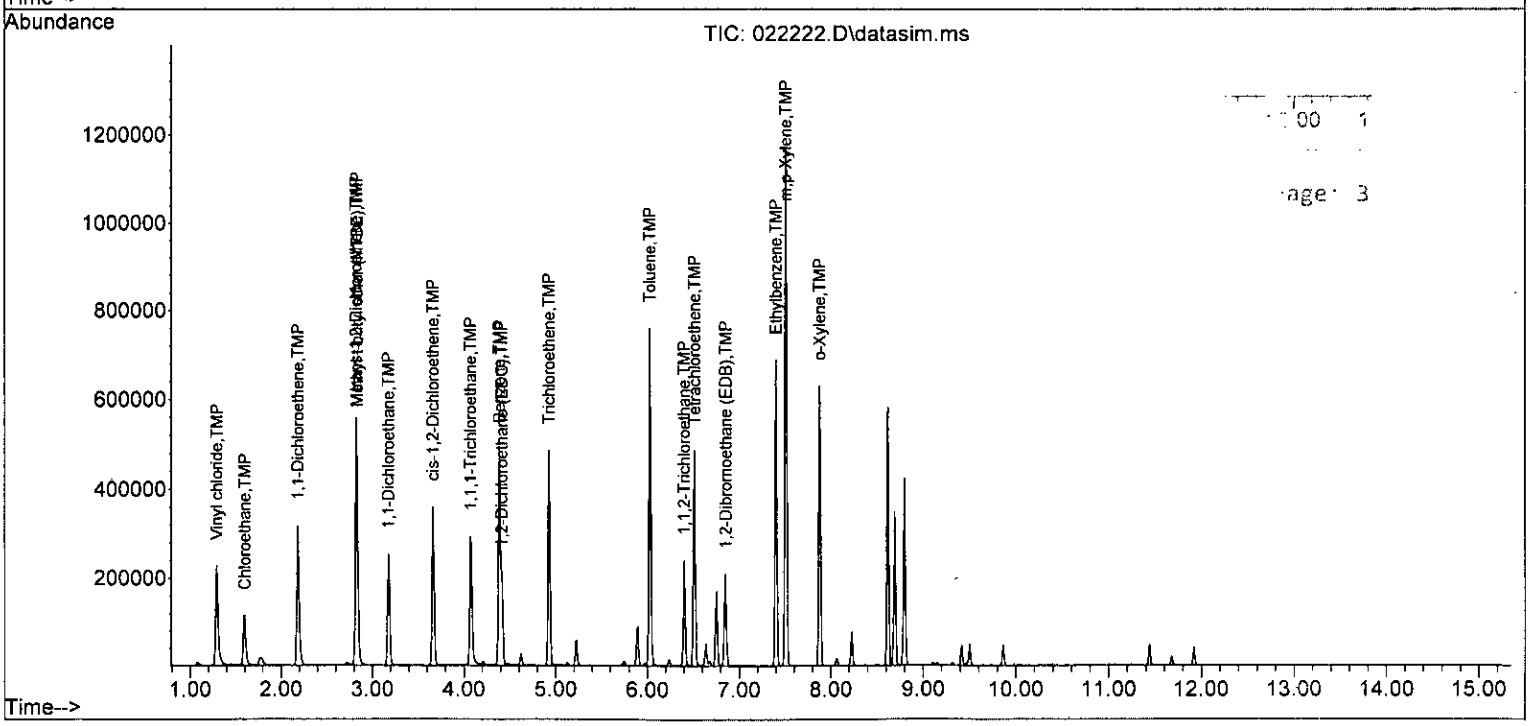
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	132866	90.172 ppb	91
38) cis-1,3-Dichloropropene	5.75	75	226681	18.539 ppb	95
40] Toluene	6.03	92	375512	17.971 ppb	99
41) trans-1,3-Dichloropropene	6.25	75	212591	18.214 ppb	93
42] 1,1,2-Trichloroethane	6.40	83	113679	17.819 ppb	94
43) 2-Hexanone	6.64	43	890976	96.100 ppb	96
44) 1,3-Dichloropropane	6.55	76	194029	18.425 ppb	96
45] Tetrachloroethene	6.51	164	175204	17.882 ppb	98
46) Dibromochloromethane	6.75	129	172631	18.382 ppb	89
47] 1,2-Dibromoethane (EDB)	6.85	107	153569	18.573 ppb	99
48) Chlorobenzene	7.30	112	432370	18.876 ppb	94
49] Ethylbenzene	7.40	91	698457	17.585 ppb	97
50) 1,1,1,2-Tetrachloroethane	7.38	131	168841	19.253 ppb	93
51] m,p-Xylene	7.51	106	553440	37.854 ppb	94
52] o-Xylene	7.88	106	280670	17.935 ppb	94
53) Styrene	7.90	104	427135	18.204 ppb	96
54) Isopropylbenzene	8.23	105	680597	18.952 ppb	99
55) Bromoform	8.07	173	133817	17.473 ppb	91
58) n-Propylbenzene	8.62	91	769310	18.703 ppb	98
59) Bromobenzene	8.51	156	214375	18.110 ppb	91
60) 1,3,5-Trimethylbenzene	8.79	105	572332	18.882 ppb	98
61) 1,1,2,2-Tetrachloroethane	8.53	83	169434	18.922 ppb	95
62) 1,2,3-Trichloropropane	8.56	75	132817	18.411 ppb	99
63) 2-Chlorotoluene	8.70	91	459894	18.587 ppb	98
64) 4-Chlorotoluene	8.80	91	532972	18.737 ppb	97
65) tert-Butylbenzene	9.10	119	533144	18.863 ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	600655	19.078 ppb	99
67) sec-Butylbenzene	9.31	105	766153	19.274 ppb	99
68) p-Isopropyltoluene	9.46	119	676676	19.120 ppb	100
69) 1,3-Dichlorobenzene	9.41	146	388797	18.463 ppb	97
70) 1,4-Dichlorobenzene	9.50	146	386728	18.572 ppb	95
71) 1,2-Dichlorobenzene	9.86	146	386093	19.099 ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	36765m	17.892 ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	305476	18.611 ppb	95
74) Hexachlorobutadiene	11.61	225	158424	20.183 ppb	93
75) Naphthalene	11.68	128	663287	18.082 ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	284467	18.968 ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.905	1.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	18.973	5.1	100	0.00
5	TMP	Chloromethane	20.000	18.409	8.0	100	0.00
6	TMP	Vinyl chloride	20.000	18.669	6.7	100	0.00
7	TMP	Bromomethane	20.000	18.237	8.8	100	0.00
8	TMP	Chloroethane	20.000	19.262	3.7	100	0.00
9	TMP	Trichlorofluoromethane	20.000	17.932	10.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	100.000	91.812	8.2	100	0.00
12	TMP	1,1-Dichloroethene	20.000	18.278	8.6	100	0.00
13	TMP	Hexane	20.000	18.584	7.1	100	0.00
14	TMP	Methylene chloride	20.000	17.507	12.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	100.000	95.819	4.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.135	4.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.460	2.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	18.720	6.4	100	0.00
19	TMP	1,1-Dichloroethane	20.000	18.940	5.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	18.311	8.4	100	0.00
21	TMP	2,2-Dichloropropane	20.000	20.206	-1.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	19.691	1.5	100	0.00
23	TMP	Chloroform	20.000	18.809	6.0	100	0.00
24	TMP	2-Butanone (MEK)	100.000	100.823	-0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	18.888	5.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	18.909	5.5	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	19.092	4.5	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.598	2.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	17.859	10.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.954	0.5	100	0.00
31	TMP	Benzene	20.000	18.460	7.7	100	0.00
32	TMP	Trichloroethene	20.000	19.652	1.7	100	0.00
33	TMP	1,2-Dichloropropane	20.000	17.721	11.4	100	0.00
34	TMP	Bromodichloromethane	20.000	18.846	5.8	100	0.00
35	S	Toluene-d8	10.000	10.281	-2.8	100	0.00
36	TMP	Dibromomethane	20.000	18.214	8.9	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	90.172	9.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	18.539	7.3	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	17.971	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	18.214	8.9	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	17.819	10.9	100	0.00
43	TMP	2-Hexanone	100.000	96.100	3.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	18.425	7.9	100	0.00
45	TMP	Tetrachloroethene	20.000	17.882	10.6	100	0.00
46	TMP	Dibromochloromethane	20.000	18.382	8.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	18.573	7.1	100	0.00
48	TMP	Chlorobenzene	20.000	18.876	5.6	100	0.00
49	TMP	Ethylbenzene	20.000	17.585	12.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	19.253	3.7	100	0.00
51	TMP	m,p-Xylene	40.000	37.854	5.4	100	0.00
52	TMP	o-Xylene	20.000	17.935	10.3	100	0.00
53	TMP	Styrene	20.000	18.204	9.0	100	0.00
54	TMP	Isopropylbenzene	20.000	18.952	5.2	100	0.00
55	TMP	Bromoform	20.000	17.473	12.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.184	-1.8	100	0.00
58	TMP	n-Propylbenzene	20.000	18.703	6.5	100	0.00
59	TMP	Bromobenzene	20.000	18.110	9.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	18.882	5.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	18.922	5.4	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	18.411	7.9	100	0.00
63	TMP	2-Chlorotoluene	20.000	18.587	7.1	100	0.00
64	TMP	4-Chlorotoluene	20.000	18.737	6.3	100	0.00
65	TMP	tert-Butylbenzene	20.000	18.863	5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.078	4.6	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.274	3.6	100	0.00
68	TMP	p-Isopropyltoluene	20.000	19.120	4.4	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	18.463	7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	18.572	7.1	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.099	4.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	17.892	10.5	100	0.09
73	TMP	1,2,4-Trichlorobenzene	20.000	18.611	6.9	100	0.00
74	TMP	Hexachlorobutadiene	20.000	20.183	-0.9	100	0.00
75	TMP	Naphthalene	20.000	18.082	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	18.968	5.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-136O
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.276	0.7	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.521	5.1	100	0.00
5	TMP	Chloromethane	0.714	0.658	7.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.563	6.6	100	0.00
7	TMP	Bromomethane	0.358	0.327	8.7	100	0.00
8	TMP	Chloroethane	0.278	0.268	3.6	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.688	10.3	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.066	8.3	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.271	8.8	100	0.00
13	TMP	Hexane	0.420	0.391	6.9	100	0.00
14	TMP	Methylene chloride	0.279	0.244	12.5	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.038	5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.662	4.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.250	12.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.916	6.4	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.496	5.3	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.267	8.2	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.297	10.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.284	9.3	100	0.00
23	TMP	Chloroform	0.473	0.445	5.9	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.248	-0.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.613	5.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.388	12.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.418	4.6	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.335	1.8	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.366	10.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	1.048	0.968	7.6	100	0.00
32	TMP	Trichloroethene	0.329	0.295	10.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.261	11.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.331	5.7	100	0.00
35	S	Toluene-d8	0.941	0.968	-2.9	100	0.00
36	TMP	Dibromomethane	0.176	0.160	9.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.044	10.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.377	7.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.772	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.437	9.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.234	10.7	100	0.00
43	TMP	2-Hexanone	0.381	0.366	3.9	100	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022222.D
Acq On : 22 Feb 2023 08:18 pm
Operator : LM
Sample : 20 ppb 8260 CCV 68-1360
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:47 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

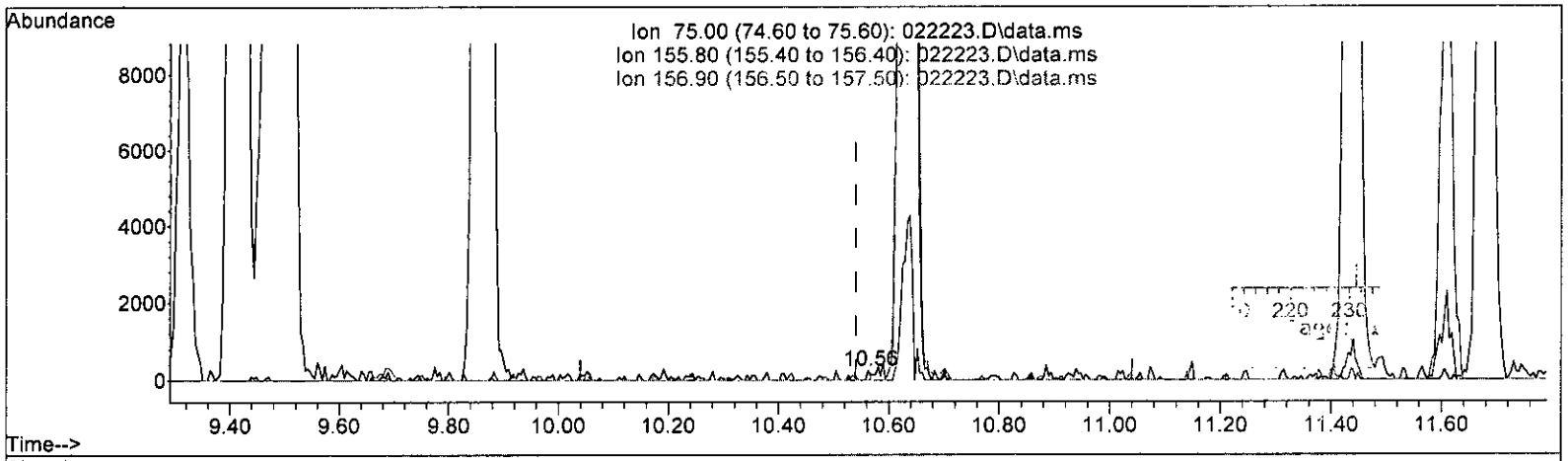
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.399	7.9	100	0.00
45	TMP	Tetrachloroethene	0.403	0.360	10.7	100	0.00
46	TMP	Dibromochloromethane	0.386	0.355	8.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.316	7.1	100	0.00
48	TMP	Chlorobenzene	0.941	0.888	5.6	100	0.00
49	TMP	Ethylbenzene	1.632	1.435	12.1	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.347	8.7	100	0.00
51	TMP	m,p-Xylene	0.656	0.569	13.3	100	0.00
52	TMP	o-Xylene	0.643	0.577	10.3	100	0.00
53	TMP	Styrene	0.964	0.878	8.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.399	5.2	100	0.00
55	TMP	Bromoform	0.315	0.275	12.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.738	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.900	2.712	6.5	100	0.00
59	TMP	Bromobenzene	0.834	0.756	9.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.017	5.6	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.597	11.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.468#	8.1	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.621	7.1	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.879	6.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.879	5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.117	4.6	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.701	3.6	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.385	4.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.370	7.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.363	7.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.361	4.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.130	10.3	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.077	6.9	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.558	-0.9	100	0.00
75	TMP	Naphthalene	2.586	2.338	9.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.003	5.1	100	0.00

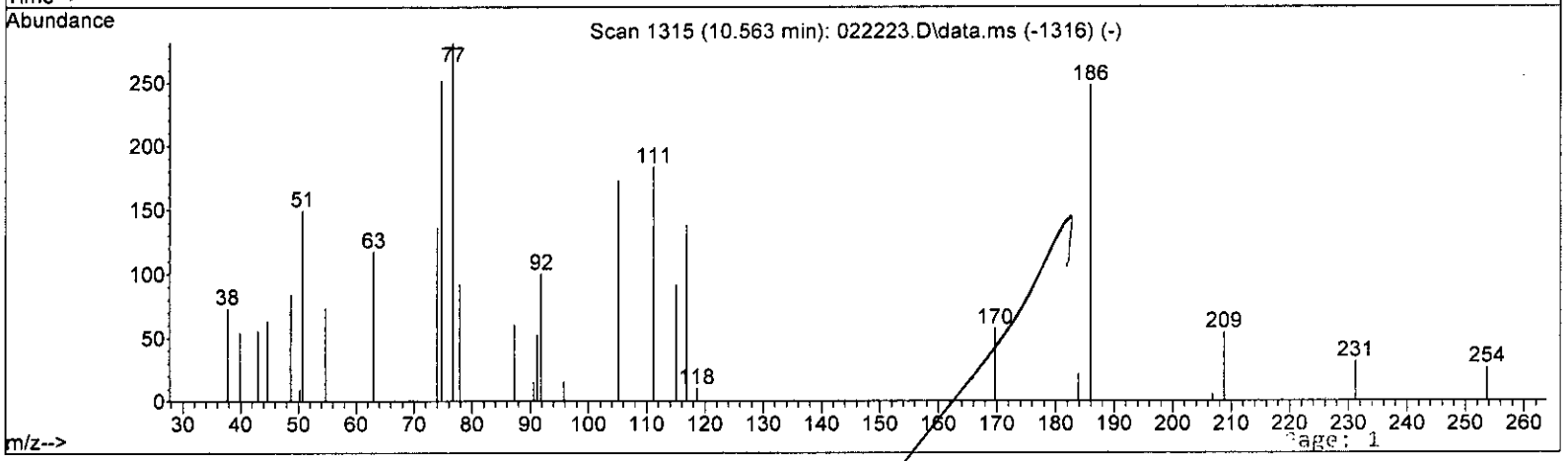
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022223.D\data.ms

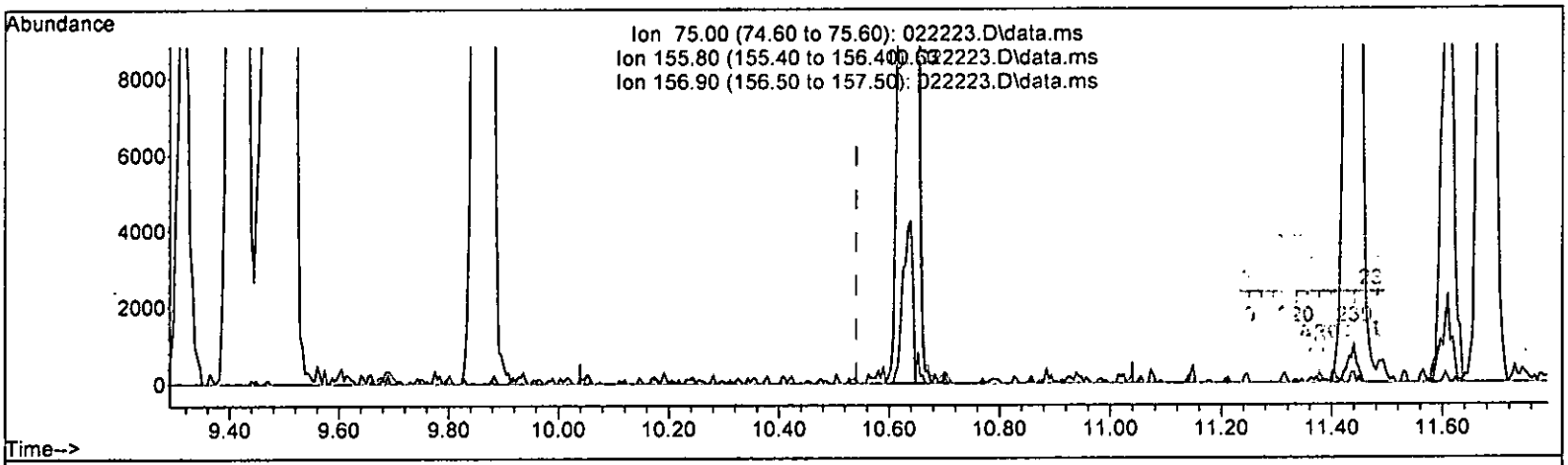
(72) 1,2-Dibromo-3-chloropropane (TMP)
10.563min (+ 0.023) 0.050 ppb
response 102

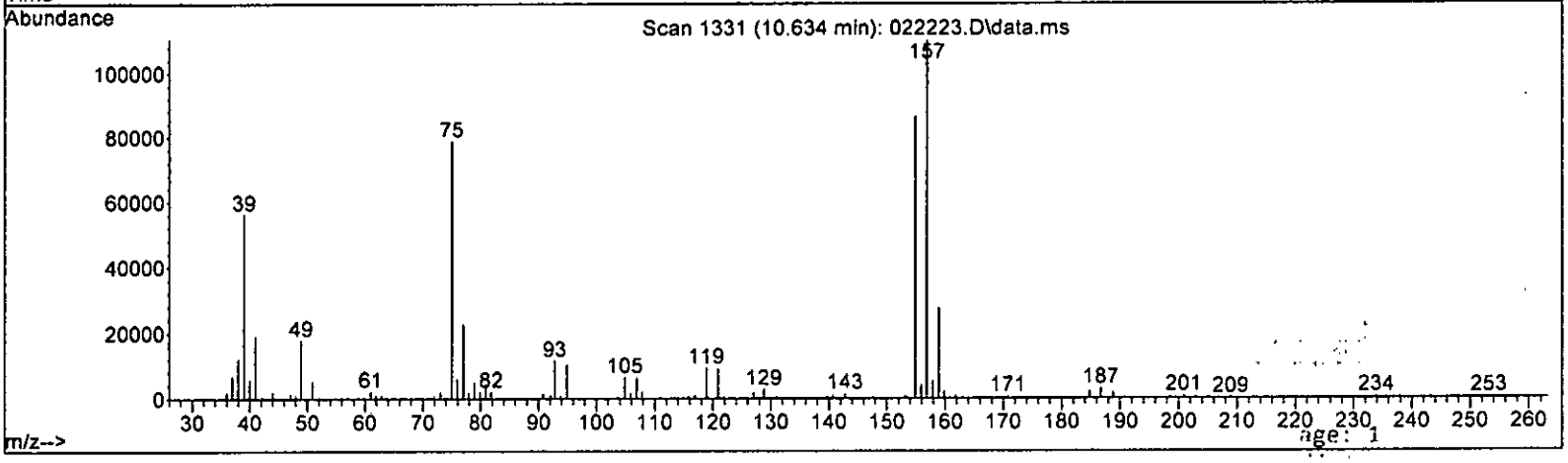
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022223.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.634min (+ 0.094) 51.082 ppb m
response 103937

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.21
156.90	93.30	140.16#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	303347	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	237018	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	140461	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.07	113	87052	10.313 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.10%		
30) 1,2-Dichloroethane-d4	4.35	102	17777	9.478 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 94.80%		
35) Toluene-d8	5.97	98	281777	9.869 ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 98.70%		
57) 4-Bromofluorobenzene	8.38	95	106473	10.463 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 104.60%		
Target Compounds					Qvalue
2) Ethanol	1.86	45	472	No Calib	
4) Dichlorodifluoromethane	1.08	85	876513	52.618 ppb	99
5) Chloromethane	1.22	50	1029082	47.486 ppb	96
6] Vinyl chloride	1.29	62	879801	48.087 ppb	89
7) Bromomethane	1.52	94	517218	47.610 ppb	92
8] Chloroethane	1.59	64	427962	50.705 ppb	97
9) Trichlorofluoromethane	1.77	101	1129980	48.578 ppb	90
10) 2-Propanol	2.39	45	3749	No Calib	
11) Acetone	2.25	58	550556	252.962 ppb	99
12] 1,1-Dichloroethene	2.18	96	436439	48.496 ppb	99
13) Hexane	3.05	57	631957	49.567 ppb	99
14) Methylene chloride	2.60	84	383322	45.338 ppb	90
15) t-Butyl alcohol (TBA)	2.73	59	313843	258.566 ppb	99
16] Methyl t-butyl ether (...	2.83	73	1069225	50.953 ppb	98
17] trans-1,2-Dichloroethene	2.82	96	401752	51.663 ppb	97
18) Diisopropyl ether (DIPE)	3.23	45	1512858	50.949 ppb	98
19] 1,1-Dichloroethane	3.17	63	790738	49.720 ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	446232	50.473 ppb	89
21) 2,2-Dichloropropane	3.66	77	454009	51.238 ppb	92
22] cis-1,2-Dichloroethene	3.66	96	455900	52.121 ppb	96
23) Chloroform	3.94	83	716738	49.956 ppb	99
24) 2-Butanone (MEK)	3.69	43	2065431	276.718 ppb	99
25) t-Amyl methyl ether (T...	4.49	73	992664	50.403 ppb	100
26] 1,2-Dichloroethane (EDC)	4.41	62	628133	51.055 ppb	100
27] 1,1,1-Trichloroethane	4.07	97	681550	51.329 ppb	98
28) 1,1-Dichloropropene	4.21	75	529520	51.119 ppb	91
29) Carbon tetrachloride	4.21	117	607454	48.839 ppb	95
31] Benzene	4.38	78	1566797	49.263 ppb	99
32] Trichloroethene	4.93	95	472200	51.878 ppb	93
33) 1,2-Dichloropropane	5.13	63	432796	48.351 ppb	98
34) Bromodichloromethane	5.37	83	554396	52.098 ppb	98
36) Dibromomethane	5.22	93	258330	48.516 ppb	96

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

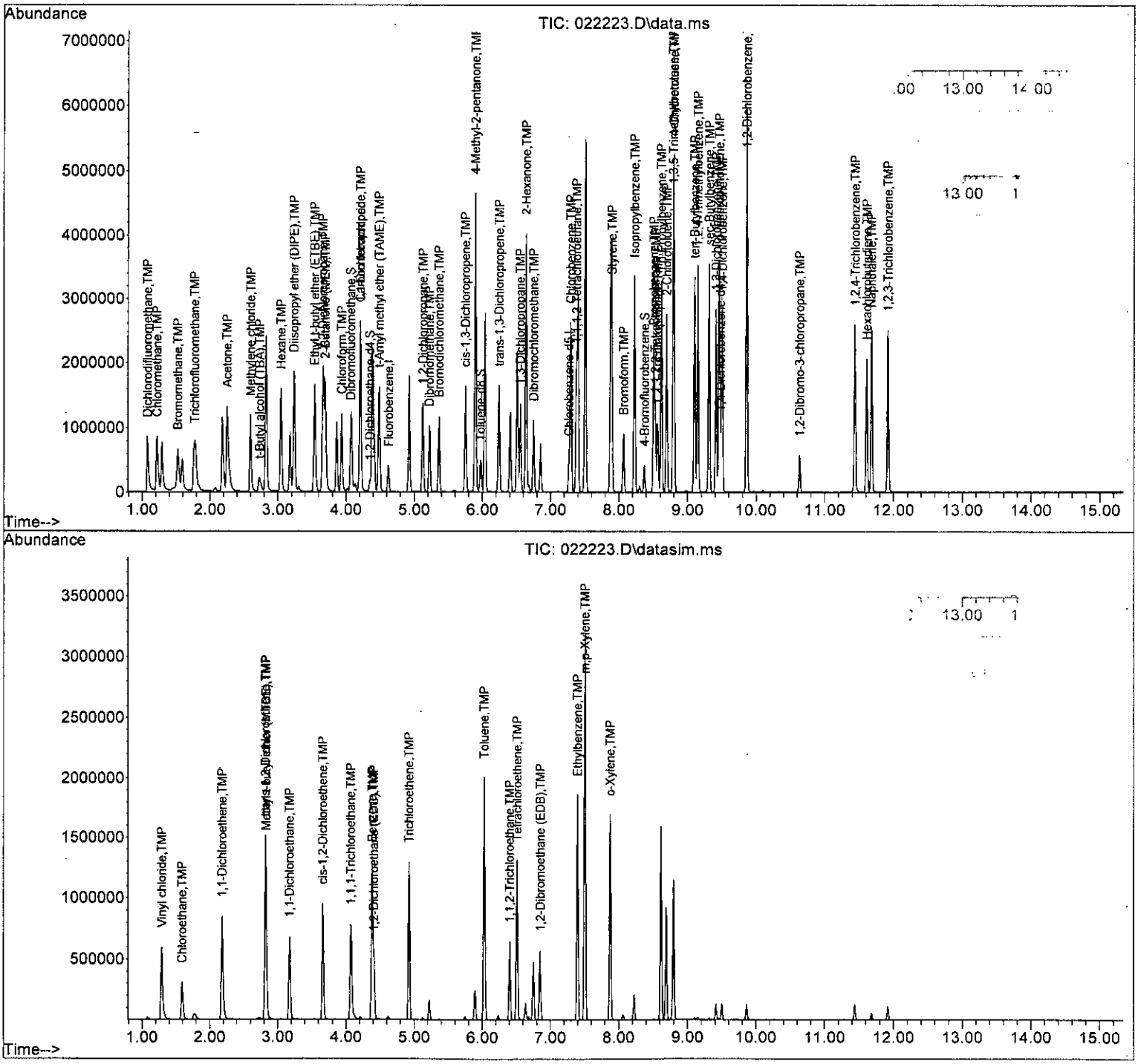
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	374286	251.690	ppb	90
38) cis-1,3-Dichloropropene	5.75	75	636263	51.560	ppb	100
40] Toluene	6.03	92	1017686	49.999	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	583225	51.298	ppb	99
42] 1,1,2-Trichloroethane	6.40	83	310260	49.927	ppb	94
43) 2-Hexanone	6.64	43	2413693	267.262	ppb	97
44) 1,3-Dichloropropane	6.55	76	542474	52.884	ppb	98
45] Tetrachloroethene	6.51	164	471847	49.439	ppb	97
46) Dibromochloromethane	6.75	129	481168	52.599	ppb	98
47] 1,2-Dibromoethane (EDB)	6.85	107	420179	52.168	ppb	100
48) Chlorobenzene	7.29	112	1163237	52.134	ppb	95
49] Ethylbenzene	7.40	91	1879550	48.580	ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	444185	52.122	ppb	99
51] m,p-Xylene	7.51	106	1514846	106.417	ppb	96
52] o-Xylene	7.88	106	764250	50.135	ppb	94
53) Styrene	7.90	104	1198379	52.430	ppb	96
54) Isopropylbenzene	8.23	105	1876510	53.644	ppb	98
55) Bromoform	8.07	173	392210	52.575	ppb	91
58) n-Propylbenzene	8.62	91	2099787	51.554	ppb	99
59) Bromobenzene	8.51	156	585858	49.982	ppb	93
60) 1,3,5-Trimethylbenzene	8.79	105	1578767	52.602	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.53	83	469107	53.062	ppb	97
62) 1,2,3-Trichloropropane	8.56	75	362141	50.696	ppb	95
63) 2-Chlorotoluene	8.70	91	1231838	50.278	ppb	94
64) 4-Chlorotoluene	8.80	91	1434953	50.946	ppb	95
65) tert-Butylbenzene	9.10	119	1479733	52.872	ppb	99
66) 1,2,4-Trimethylbenzene	9.15	105	1655082	53.088	ppb	99
67) sec-Butylbenzene	9.31	105	2115438	53.744	ppb	99
68) p-Isopropyltoluene	9.46	119	1849225	52.769	ppb	99
69) 1,3-Dichlorobenzene	9.41	146	1061134	50.889	ppb	98
70) 1,4-Dichlorobenzene	9.50	146	1052541	51.047	ppb	96
71) 1,2-Dichlorobenzene	9.86	146	1023768	51.144	ppb	98
72) 1,2-Dibromo-3-chloropr...	10.63	75	103937m	51.082	ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	836690	51.480	ppb	97
74) Hexachlorobutadiene	11.61	225	415423	53.448	ppb	96
75) Naphthalene	11.68	128	1826353	50.282	ppb	100
76) 1,2,3-Trichlorobenzene	11.92	180	771578	51.956	ppb	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.313	-3.1	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	52.618	-5.2	100	0.00
5	TMP	Chloromethane	50.000	47.486	5.0	100	0.00
6	TMP	Vinyl chloride	50.000	48.087	3.8	100	0.00
7	TMP	Bromomethane	50.000	47.610	4.8	100	0.00
8	TMP	Chloroethane	50.000	50.705	-1.4	100	0.00
9	TMP	Trichlorofluoromethane	50.000	48.578	2.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	250.000	252.962	-1.2	100	0.00
12	TMP	1,1-Dichloroethene	50.000	48.496	3.0	100	0.00
13	TMP	Hexane	50.000	49.567	0.9	100	0.00
14	TMP	Methylene chloride	50.000	45.338	9.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	250.000	258.566	-3.4	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	50.000	50.953	-1.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	50.000	51.663	-3.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	50.000	50.949	-1.9	100	0.00
19	TMP	1,1-Dichloroethane	50.000	49.720	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	50.473	-0.9	100	0.00
21	TMP	2,2-Dichloropropane	50.000	51.238	-2.5	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	52.121	-4.2	100	0.00
23	TMP	Chloroform	50.000	49.956	0.1	100	0.00
24	TMP	2-Butanone (MEK)	250.000	276.718	-10.7	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	50.000	50.403	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	50.000	51.055	-2.1	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	51.329	-2.7	100	0.00
28	TMP	1,1-Dichloropropene	50.000	51.119	-2.2	100	0.00
29	TMP	Carbon tetrachloride	50.000	48.839	2.3	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.478	5.2	100	0.00
31	TMP	Benzene	50.000	49.263	1.5	100	0.00
32	TMP	Trichloroethene	50.000	51.878	-3.8	100	0.00
33	TMP	1,2-Dichloropropane	50.000	48.351	3.3	100	0.00
34	TMP	Bromodichloromethane	50.000	52.098	-4.2	100	0.00
35	S	Toluene-d8	10.000	9.869	1.3	100	0.00
36	TMP	Dibromomethane	50.000	48.516	3.0	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	251.690	-0.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	51.560	-3.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	49.999	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	51.298	-2.6	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.927	0.1	100	0.00
43	TMP	2-Hexanone	250.000	267.262	-6.9	100	0.00

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	52.884	-5.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.439	1.1	100	0.00
46	TMP	Dibromochloromethane	50.000	52.599	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	52.168	-4.3	100	0.00
48	TMP	Chlorobenzene	50.000	52.134	-4.3	100	0.00
49	TMP	Ethylbenzene	50.000	48.580	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	52.122	-4.2	100	0.00
51	TMP	m,p-Xylene	100.000	106.417	-6.4	100	0.00
52	TMP	o-Xylene	50.000	50.135	-0.3	100	0.00
53	TMP	Styrene	50.000	52.430	-4.9	100	0.00
54	TMP	Isopropylbenzene	50.000	53.644	-7.3	100	0.00
55	TMP	Bromoform	50.000	52.575	-5.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.463	-4.6	100	0.00
58	TMP	n-Propylbenzene	50.000	51.554	-3.1	100	0.00
59	TMP	Bromobenzene	50.000	49.982	0.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	52.602	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	53.062	-6.1	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	50.696	-1.4	100	0.00
63	TMP	2-Chlorotoluene	50.000	50.278	-0.6	100	0.00
64	TMP	4-Chlorotoluene	50.000	50.946	-1.9	100	0.00
65	TMP	tert-Butylbenzene	50.000	52.872	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	53.088	-6.2	100	0.00
67	TMP	sec-Butylbenzene	50.000	53.744	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	50.000	52.769	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	50.889	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	51.047	-2.1	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	51.144	-2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	51.082	-2.2	100	0.09
73	TMP	1,2,4-Trichlorobenzene	50.000	51.480	-3.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	53.448	-6.9	100	0.00
75	TMP	Naphthalene	50.000	50.282	-0.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.956	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.287	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.578	-5.3	100	0.00
5	TMP	Chloromethane	0.714	0.678	5.0	100	0.00
6	TMP	Vinyl chloride	0.603	0.580	3.8	100	0.00
7	TMP	Bromomethane	0.358	0.341	4.7	100	0.00
8	TMP	Chloroethane	0.278	0.282	-1.4	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.745	2.9	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.073	-1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.288	3.0	100	0.00
13	TMP	Hexane	0.420	0.417	0.7	100	0.00
14	TMP	Methylene chloride	0.279	0.253	9.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.041	-2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.705	-1.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.265	7.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.997	-1.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.521	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.294	-1.0	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.299	9.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.301	3.8	100	0.00
23	TMP	Chloroform	0.473	0.473	0.0	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.272	-10.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.654	-0.8	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.414	6.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.449	-2.5	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.349	-2.3	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.401	2.2	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.059	4.8	100	0.00
31	TMP	Benzene	1.048	1.033	1.4	100	0.00
32	TMP	Trichloroethene	0.329	0.311	5.5	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.285	3.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.366	-4.3	100	0.00
35	S	Toluene-d8	0.941	0.929	1.3	100	0.00
36	TMP	Dibromomethane	0.176	0.170	3.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.049	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.419	-2.9	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.859	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.492	-2.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.262	0.0	100	0.00
43	TMP	2-Hexanone	0.381	0.407	-6.8	100	0.00

Page: 1

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022223.D
Acq On : 22 Feb 2023 08:40 pm
Operator : LM
Sample : 50 ppb 8260 CCV 68-136Q
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:51 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

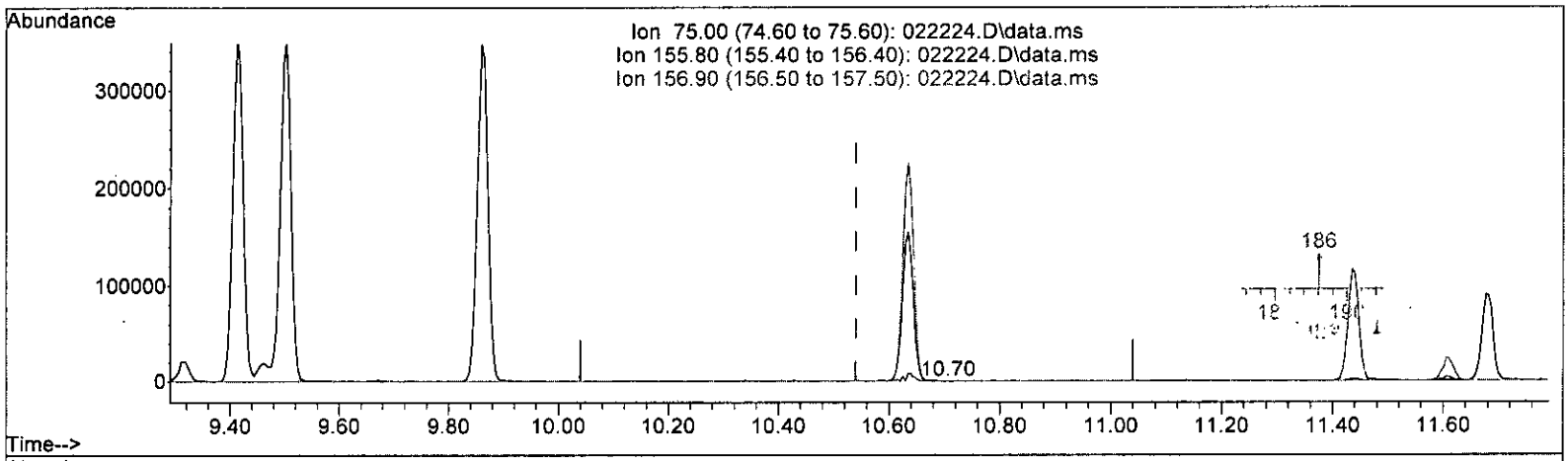
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.458	-5.8	100	0.00
45	TMP	Tetrachloroethene	0.403	0.398	1.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.406	-5.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.355	-4.4	100	0.00
48	TMP	Chlorobenzene	0.941	0.982	-4.4	100	0.00
49	TMP	Ethylbenzene	1.632	1.586	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.375	1.3	100	0.00
51	TMP	m,p-Xylene	0.656	0.639	2.6	100	0.00
52	TMP	o-Xylene	0.643	0.645	-0.3	100	0.00
53	TMP	Styrene	0.964	1.011	-4.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.583	-7.2	100	0.00
55	TMP	Bromoform	0.315	0.331	-5.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.758	-4.7	100	0.00
58	TMP	n-Propylbenzene	2.900	2.990	-3.1	100	0.00
59	TMP	Bromobenzene	0.834	0.834	0.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.248	-5.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.668	0.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.516	-1.4	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.754	-0.6	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.043	-1.9	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.107	-5.7	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.357	-6.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	3.012	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.633	-5.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.511	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.499	-2.1	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.458	-2.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.148	-2.1	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.191	-2.9	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.592	-7.1	100	0.00
75	TMP	Naphthalene	2.586	2.601	-0.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.099	-4.0	100	0.00

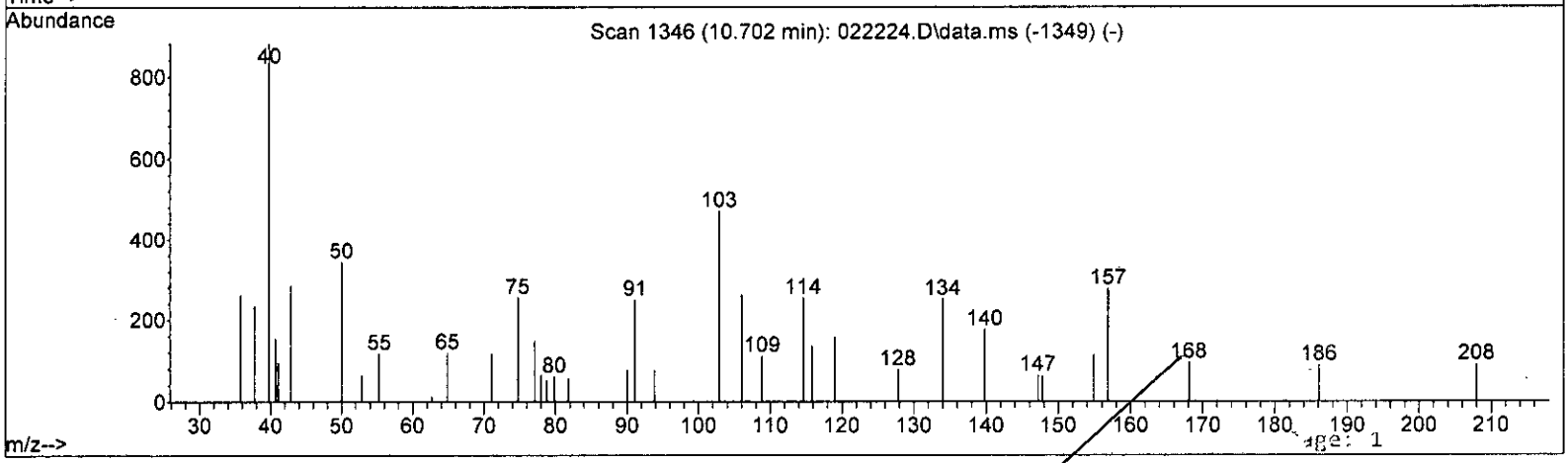
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022224.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.702min (+ 0.162) 0.111 ppb

response 234

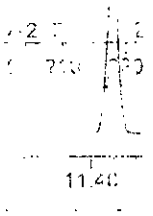
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	78.21
0.00	0.00	0.00

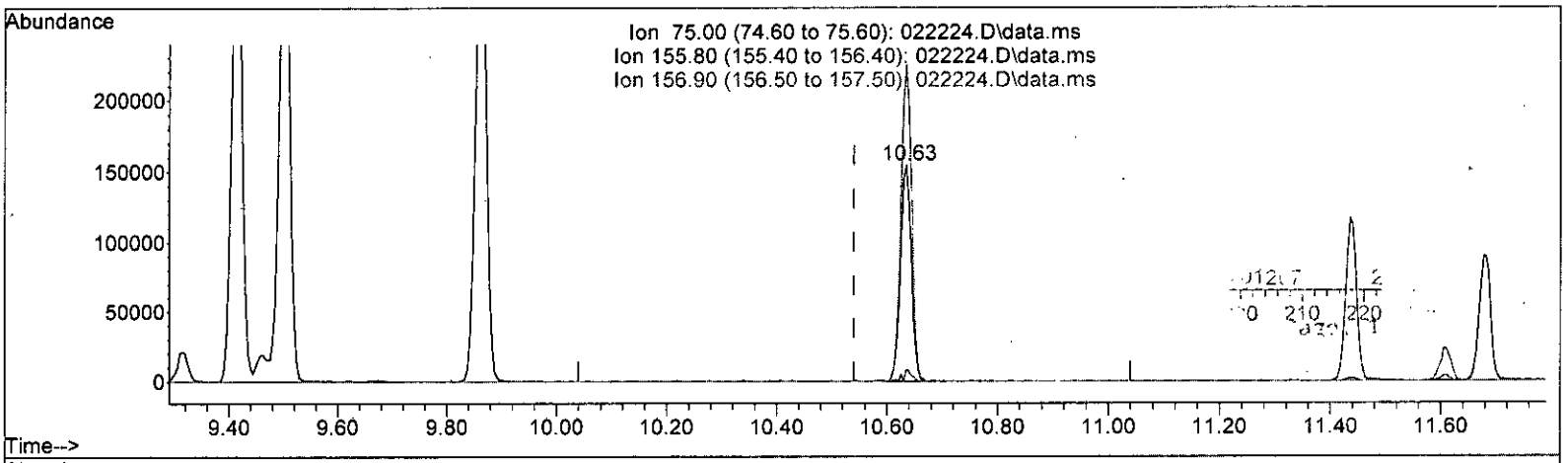
2/23

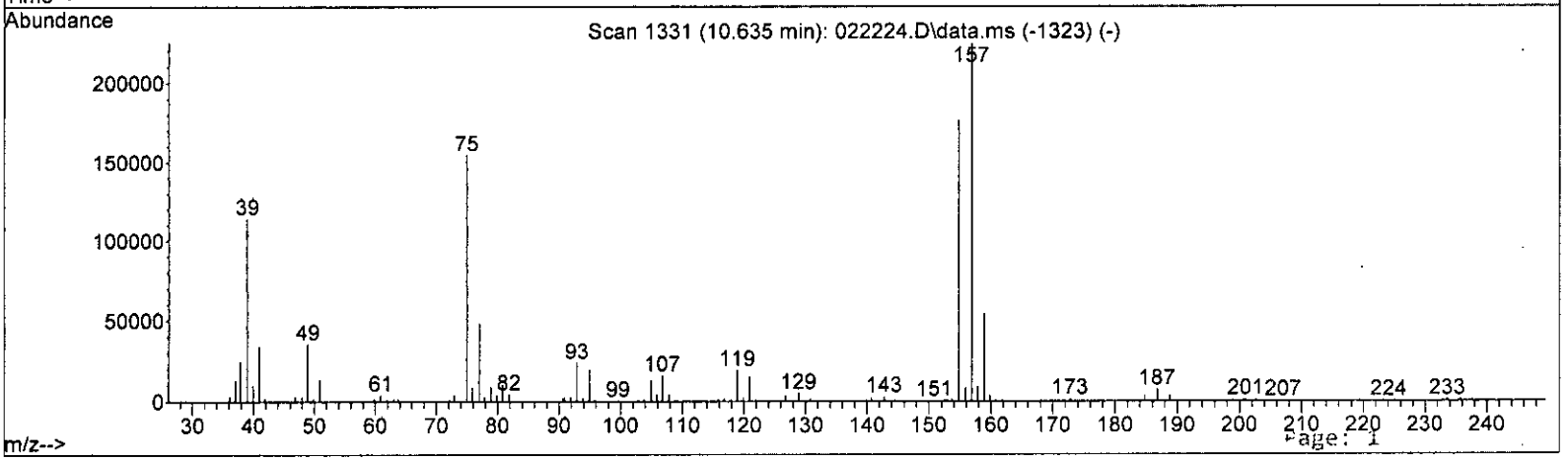
Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M







Page: 1

TIC: 022224.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.635min (+ 0.095) 100.655 ppb m

response 212908

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.14
156.90	93.30	145.53#
0.00	0.00	0.00

m2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.62	96	302509	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	249218	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	146018	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	83057	9.867	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.70%			
30) 1,2-Dichloroethane-d4	4.35	102	20083	10.737	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 107.40%			
35) Toluene-d8	5.97	98	306721	10.772	ppb	0.00
Spiked Amount 10.000	Range 84 - 121		Recovery = 107.70%			
57) 4-Bromofluorobenzene	8.38	95	108226	10.231	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.30%			
Target Compounds						Qvalue
2) Ethanol	1.88	45	848	No Calib		
4) Dichlorodifluoromethane	1.08	85	1667903	100.403	ppb	97
5) Chloromethane	1.22	50	2056643	95.164	ppb	96
6] Vinyl chloride	1.29	62	1728622	94.743	ppb	90
7) Bromomethane	1.53	94	1065888	98.386	ppb	93
8] Chloroethane	1.59	64	843471	100.212	ppb	97
9) Trichlorofluoromethane	1.78	101	2220445	95.721	ppb	93
10) 2-Propanol	2.40	45	6311	No Calib		
11) Acetone	2.25	58	1090045	502.227	ppb	88
12] 1,1-Dichloroethene	2.19	96	854325	95.193	ppb	95
13) Hexane	3.05	57	1234556	97.100	ppb	99
14) Methylene chloride	2.60	84	772734	91.650	ppb	86
15) t-Butyl alcohol (TBA)	2.72	59	629288	519.887	ppb	98
16] Methyl t-butyl ether (...	2.83	73	2073011	99.061	ppb	97
17] trans-1,2-Dichloroethene	2.82	96	783813	101.091	ppb	94
18) Diisopropyl ether (DIPE)	3.24	45	2948793	99.582	ppb	98
19] 1,1-Dichloroethane	3.18	63	1539402	97.063	ppb	99
20) Ethyl t-butyl ether (E...	3.54	87	847802	96.160	ppb	92
21) 2,2-Dichloropropane	3.66	77	872046	98.841	ppb	97
22] cis-1,2-Dichloroethene	3.66	96	885006	101.472	ppb	93
23) Chloroform	3.94	83	1392907	97.354	ppb	96
24) 2-Butanone (MEK)	3.69	43	4094269	550.053	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	1887288	96.094	ppb	98
26] 1,2-Dichloroethane (EDC)	4.41	62	1215524	100.842	ppb	99
27] 1,1,1-Trichloroethane	4.07	97	1321181	99.776	ppb	97
28) 1,1-Dichloropropene	4.21	75	1064692	103.068	ppb	91
29) Carbon tetrachloride	4.21	117	1229507	99.126	ppb	95
31] Benzene	4.39	78	3032501	95.612	ppb	99
32] Trichloroethene	4.93	95	919639	101.330	ppb	93
33) 1,2-Dichloropropane	5.13	63	843316	94.474	ppb	98
34) Bromodichloromethane	5.37	83	1074297	101.234	ppb	98
36) Dibromomethane	5.22	93	521821	98.273	ppb	97

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

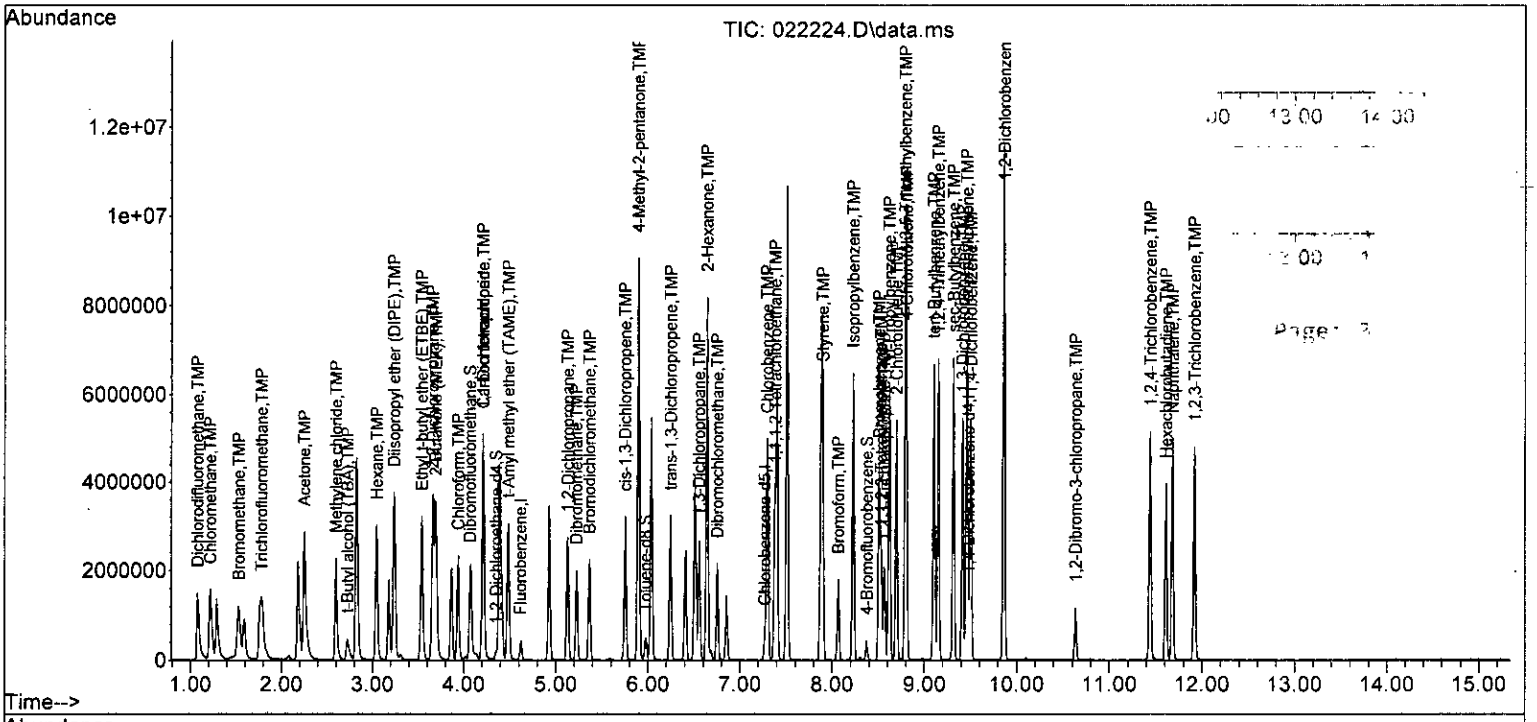
Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	740202	499.131 ppb	88
38) cis-1,3-Dichloropropene	5.75	75	1255405	102.013 ppb	96
40] Toluene	6.03	92	1984993	92.749 ppb	97
41) trans-1,3-Dichloropropene	6.25	75	1184139	99.054 ppb	94
42] 1,1,2-Trichloroethane	6.40	83	609609	93.295 ppb	94
43) 2-Hexanone	6.64	43	4781479	503.523 ppb	96
44) 1,3-Dichloropropane	6.55	76	1075973	99.758 ppb	99
45] Tetrachloroethene	6.51	164	926630	92.337 ppb	98
46) Dibromochloromethane	6.75	129	954963	99.282 ppb	97
47] 1,2-Dibromoethane (EDB)	6.85	107	816837	96.452 ppb	100
48) Chlorobenzene	7.30	112	2297964	97.948 ppb	95
49] Ethylbenzene	7.40	91	3667262	90.146 ppb	98
50) 1,1,1,2-Tetrachloroethane	7.38	131	881311	98.418 ppb	97
51] m,p-Xylene	7.51	106	2986263	199.538 ppb	96
52] o-Xylene	7.88	106	1501732	93.691 ppb	94
53) Styrene	7.90	104	2356631	98.058 ppb	100
54) Isopropylbenzene	8.23	105	3636799	98.876 ppb	99
55) Bromoform	8.07	173	776792	99.030 ppb	89
58) n-Propylbenzene	8.62	91	4087256	96.532 ppb	100
59) Bromobenzene	8.51	156	1176131	96.523 ppb	92
60) 1,3,5-Trimethylbenzene	8.79	105	3055145	97.918 ppb	95
61) 1,1,2,2-Tetrachloroethane	8.53	83	925884	100.822 ppb	96
62) 1,2,3-Trichloropropane	8.56	75	707215	95.236 ppb	97
63) 2-Chlorotoluene	8.70	91	2413671	94.766 ppb	94
64) 4-Chlorotoluene	8.81	91	2818282	96.252 ppb	86
65) tert-Butylbenzene	9.10	119	2868108	98.579 ppb	98
66) 1,2,4-Trimethylbenzene	9.15	105	3235758	99.839 ppb	99
67) sec-Butylbenzene	9.31	105	4111094	100.471 ppb	98
68) p-Isopropyltoluene	9.46	119	3576095	98.163 ppb	99
69) 1,3-Dichlorobenzene	9.41	146	2071458	95.561 ppb	98
70) 1,4-Dichlorobenzene	9.50	146	2021066	94.290 ppb	96
71) 1,2-Dichlorobenzene	9.86	146	1998345	96.032 ppb	97
72) 1,2-Dibromo-3-chloropr...	10.63	75	212908m	100.655 ppb	
73) 1,2,4-Trichlorobenzene	11.44	180	1619598	95.858 ppb	98
74) Hexachlorobutadiene	11.61	225	823833	101.960 ppb	96
75) Naphthalene	11.68	128	3574815	94.674 ppb	99
76) 1,2,3-Trichlorobenzene	11.92	180	1491632	96.621 ppb	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.867	1.3	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	100.403	-0.4	100	0.00
5	TMP	Chloromethane	100.000	95.164	4.8	100	0.00
6	TMP	Vinyl chloride	100.000	94.743	5.3	100	0.00
7	TMP	Bromomethane	100.000	98.386	1.6	100	0.00
8	TMP	Chloroethane	100.000	100.212	-0.2	100	0.00
9	TMP	Trichlorofluoromethane	100.000	95.721	4.3	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	500.000	502.227	-0.4	100	0.00
12	TMP	1,1-Dichloroethene	100.000	95.193	4.8	100	0.00
13	TMP	Hexane	100.000	97.100	2.9	100	0.00
14	TMP	Methylene chloride	100.000	91.650	8.3	100	0.00
15	TMP	t-Butyl alcohol (TBA)	500.000	519.887	-4.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.061	0.9	100	0.00
17	TMP	trans-1,2-Dichloroethene	100.000	101.091	-1.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	100.000	99.582	0.4	100	0.00
19	TMP	1,1-Dichloroethane	100.000	97.063	2.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	96.160	3.8	100	0.00
21	TMP	2,2-Dichloropropane	100.000	98.841	1.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	101.472	-1.5	100	0.00
23	TMP	Chloroform	100.000	97.354	2.6	100	0.00
24	TMP	2-Butanone (MEK)	500.000	550.053	-10.0	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	100.000	96.094	3.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	100.000	100.842	-0.8	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	99.776	0.2	100	0.00
28	TMP	1,1-Dichloropropene	100.000	103.068	-3.1	100	0.00
29	TMP	Carbon tetrachloride	100.000	99.126	0.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.737	-7.4	100	0.00
31	TMP	Benzene	100.000	95.612	4.4	100	0.00
32	TMP	Trichloroethene	100.000	101.330	-1.3	100	0.00
33	TMP	1,2-Dichloropropane	100.000	94.474	5.5	100	0.00
34	TMP	Bromodichloromethane	100.000	101.234	-1.2	100	0.00
35	S	Toluene-d8	10.000	10.772	-7.7	100	0.00
36	TMP	Dibromomethane	100.000	98.273	1.7	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	499.131	0.2	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	102.013	-2.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	92.749	7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	99.054	0.9	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	93.295	6.7	100	0.00
43	TMP	2-Hexanone	500.000	503.523	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	99.758	0.2	100	0.00
45	TMP	Tetrachloroethene	100.000	92.337	7.7	100	0.00
46	TMP	Dibromochloromethane	100.000	99.282	0.7	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	96.452	3.5	100	0.00
48	TMP	Chlorobenzene	100.000	97.948	2.1	100	0.00
49	TMP	Ethylbenzene	100.000	90.146	9.9	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	98.418	1.6	100	0.00
51	TMP	m,p-Xylene	200.000	199.538	0.2	100	0.00
52	TMP	o-Xylene	100.000	93.691	6.3	100	0.00
53	TMP	Styrene	100.000	98.058	1.9	100	0.00
54	TMP	Isopropylbenzene	100.000	98.876	1.1	100	0.00
55	TMP	Bromoform	100.000	99.030	1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.231	-2.3	100	0.00
58	TMP	n-Propylbenzene	100.000	96.532	3.5	100	0.00
59	TMP	Bromobenzene	100.000	96.523	3.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	97.918	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	100.822	-0.8	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	95.236	4.8	100	0.00
63	TMP	2-Chlorotoluene	100.000	94.766	5.2	100	0.00
64	TMP	4-Chlorotoluene	100.000	96.252	3.7	100	0.00
65	TMP	tert-Butylbenzene	100.000	98.579	1.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	99.839	0.2	100	0.00
67	TMP	sec-Butylbenzene	100.000	100.471	-0.5	100	0.00
68	TMP	p-Isopropyltoluene	100.000	98.163	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	95.561	4.4	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	94.290	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	96.032	4.0	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	100.655	-0.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	100.000	95.858	4.1	100	0.00
74	TMP	Hexachlorobutadiene	100.000	101.960	-2.0	100	0.00
75	TMP	Naphthalene	100.000	94.674	5.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	96.621	3.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-136S
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.275	1.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.551	-0.4	100	0.00
5	TMP	Chloromethane	0.714	0.680	4.8	100	0.00
6	TMP	Vinyl chloride	0.603	0.571	5.3	100	0.00
7	TMP	Bromomethane	0.358	0.352	1.7	100	0.00
8	TMP	Chloroethane	0.278	0.279	-0.4	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.734	4.3	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.072	0.0	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.282	5.1	100	0.00
13	TMP	Hexane	0.420	0.408	2.9	100	0.00
14	TMP	Methylene chloride	0.279	0.255	8.6	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.042	-5.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.685	1.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.259	9.8	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.975	0.4	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.509	2.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.280	3.8	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.288	12.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.293	6.4	100	0.00
23	TMP	Chloroform	0.473	0.460	2.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.271	-10.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.624	3.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.402	9.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.437	0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.352	-3.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.406	1.0	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.066	-6.5	100	0.00
31	TMP	Benzene	1.048	1.002	4.4	100	0.00
32	TMP	Trichloroethene	0.329	0.304	7.6	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.279	5.4	100	0.00
34	TMP	Bromodichloromethane	0.351	0.355	-1.1	100	0.00
35	S	Toluene-d8	0.941	1.014	-7.8	100	0.00
36	TMP	Dibromomethane	0.176	0.172	2.3	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.049	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.415	-2.0	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.796	7.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.475	1.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.245	6.5	100	0.00
43	TMP	2-Hexanone	0.381	0.384	-0.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022224.D
Acq On : 22 Feb 2023 09:03 pm
Operator : LM
Sample : 100 ppb 8260 CCV 68-1365
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:55 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

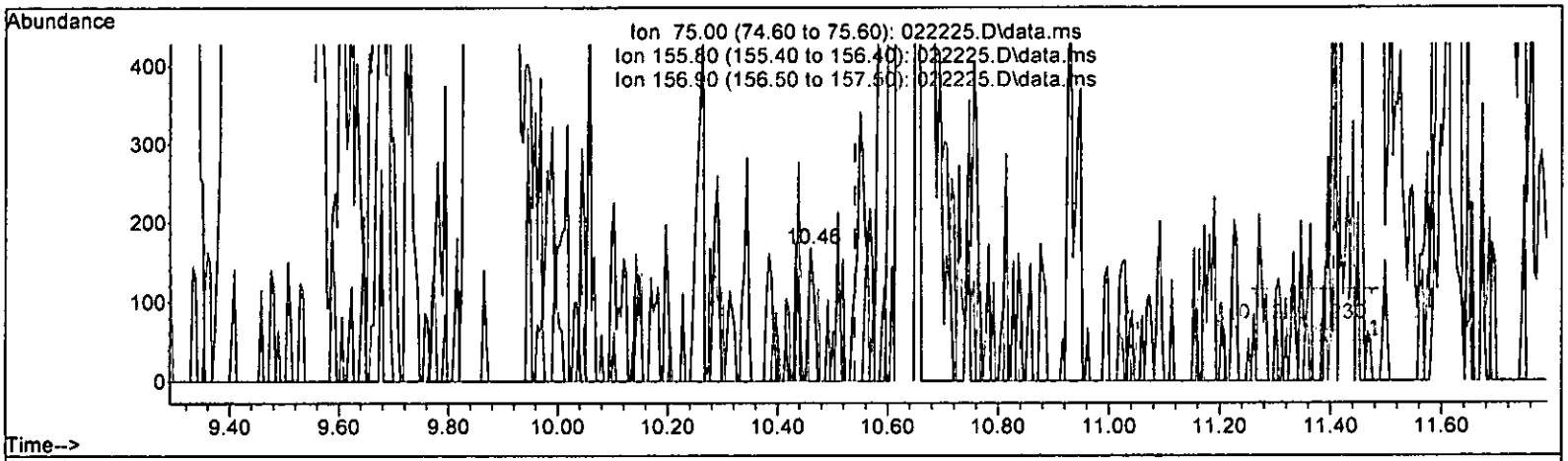
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.432	0.2	100	0.00
45	TMP	Tetrachloroethene	0.403	0.372	7.7	100	0.00
46	TMP	Dibromochloromethane	0.386	0.383	0.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.328	3.5	100	0.00
48	TMP	Chlorobenzene	0.941	0.922	2.0	100	0.00
49	TMP	Ethylbenzene	1.632	1.472	9.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.354	6.8	100	0.00
51	TMP	m,p-Xylene	0.656	0.599	8.7	100	0.00
52	TMP	o-Xylene	0.643	0.603	6.2	100	0.00
53	TMP	Styrene	0.964	0.946	1.9	100	0.00
54	TMP	Isopropylbenzene	1.476	1.459	1.2	100	0.00
55	TMP	Bromoform	0.315	0.312	1.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.741	-2.3	100	0.00
58	TMP	n-Propylbenzene	2.900	2.799	3.5	100	0.00
59	TMP	Bromobenzene	0.834	0.805	3.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.092	2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.634	5.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.484#	4.9	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.653	5.2	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.930	3.7	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.964	1.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.216	0.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.815	-0.5	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.449	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.419	4.4	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.384	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.369	3.9	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.146	-0.7	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.109	4.1	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.564	-2.0	100	0.00
75	TMP	Naphthalene	2.586	2.448	5.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.022	3.3	100	0.00

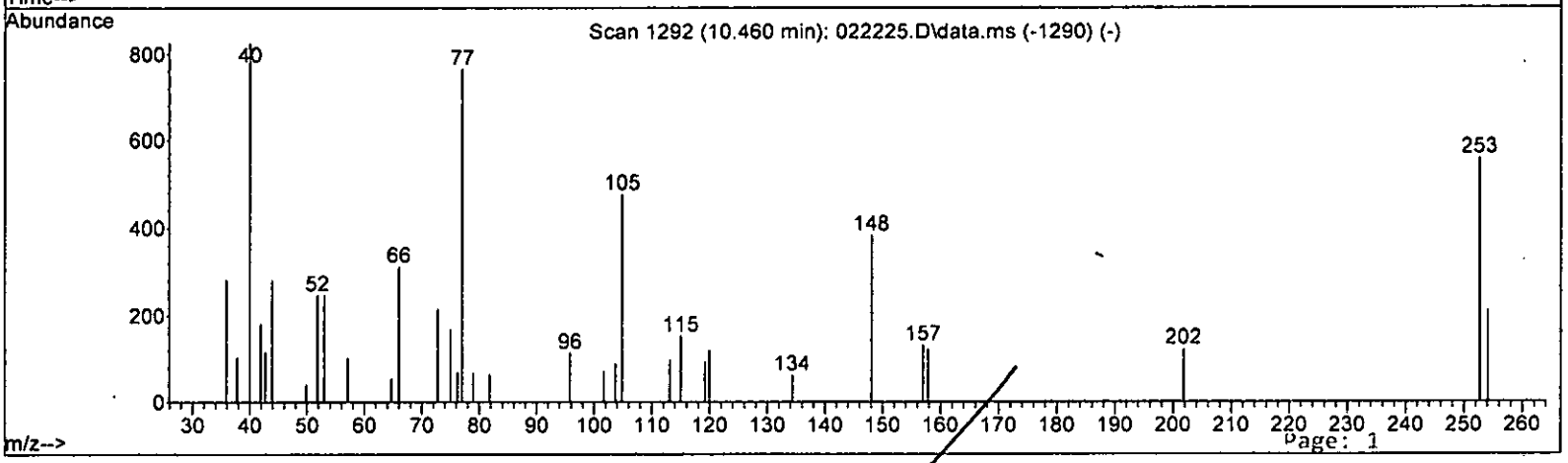
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022225.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.460min (-0.080) 0.063 ppb

response 127

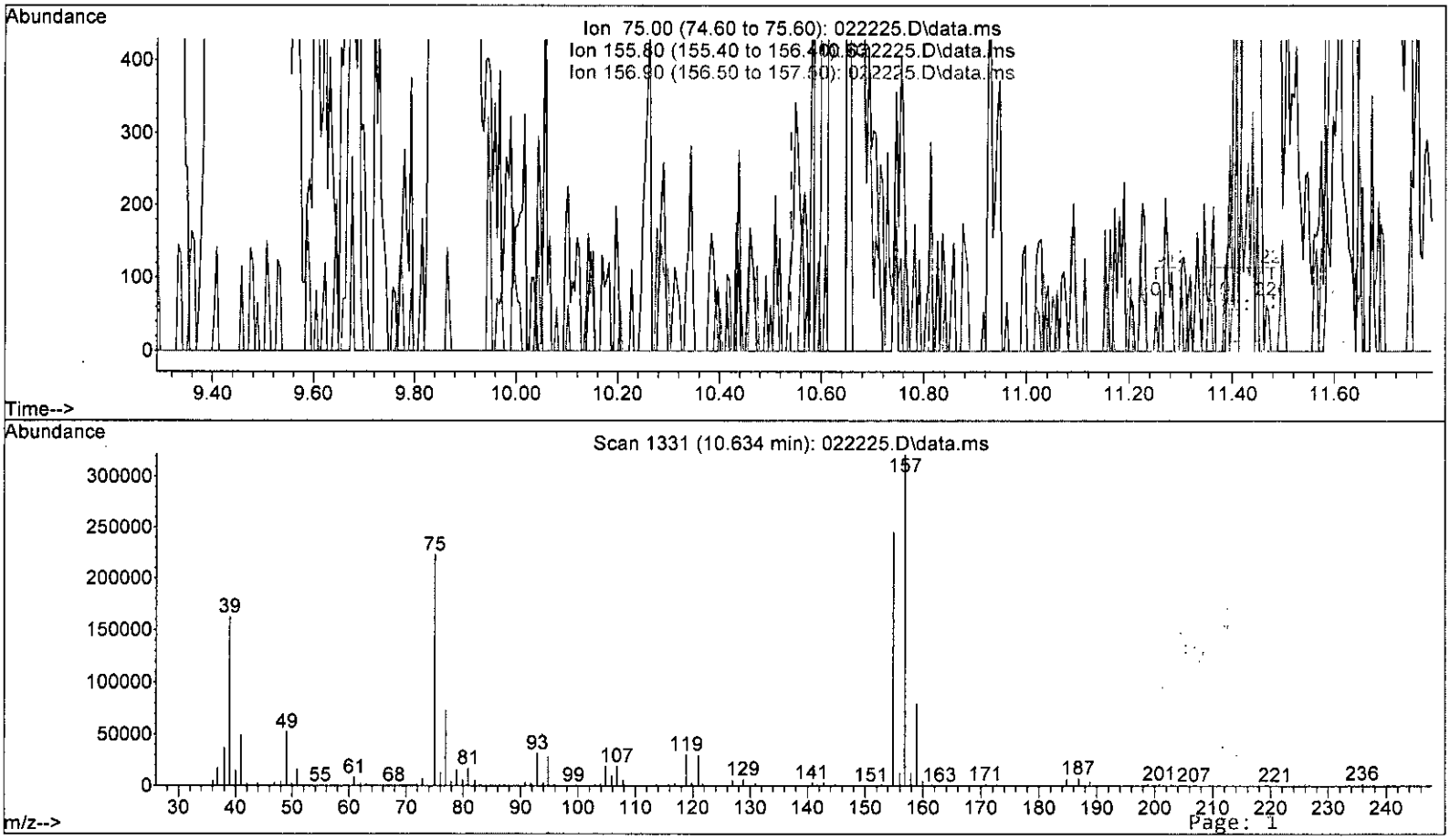
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	79.04
0.00	0.00	0.00

2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Page: 1

TIC: 022225.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.634min (+ 0.094) 154.239 ppb m

response 308615

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.41
156.90	93.30	144.48#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	307800	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	242236	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	138126	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	83231	9.717	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.20%			
30) 1,2-Dichloroethane-d4	4.36	102	18744	9.848	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 98.50%			
35) Toluene-d8	5.98	98	281664	9.722	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 97.20%			
57) 4-Bromofluorobenzene	8.38	95	102442	10.237	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 102.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	1.09	85	2496118	147.677	ppb	95
5) Chloromethane	1.23	50	3012453	136.994	ppb	99
6] Vinyl chloride	1.30	62	2554241	137.588	ppb	95
7) Bromomethane	1.54	94	1580777	143.404	ppb	91
8] Chloroethane	1.61	64	1261456	147.296	ppb	98
9) Trichlorofluoromethane	1.80	101	3313104	140.370	ppb	96
10) 2-Propanol	2.41	45	4015	No Calib		
11) Acetone	2.26	58	1688085	764.399	ppb	99
12] 1,1-Dichloroethene	2.20	96	1286068	140.837	ppb	86
13) Hexane	3.05	57	1831726	141.592	ppb	98
14) Methylene chloride	2.61	84	1149562	134.000	ppb	87
15) t-Butyl alcohol (TBA)	2.73	59	894464	726.261	ppb	98
16] Methyl t-butyl ether (...	2.84	73	3086626	144.962	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	1172117	148.582	ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	4642890	154.097	ppb	98
19] 1,1-Dichloroethane	3.18	63	2306968	142.960	ppb	100
20) Ethyl t-butyl ether (E...	3.55	87	1297085	144.590	ppb	88
21) 2,2-Dichloropropane	3.67	77	1369401	152.635	ppb	93
22] cis-1,2-Dichloroethene	3.67	96	1329432	149.814	ppb	91
23) Chloroform	3.95	83	2125809	146.024	ppb	99
24) 2-Butanone (MEK)	3.70	43	5844779	771.731	ppb	98
25) t-Amyl methyl ether (T...	4.49	73	2894121	144.825	ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	1798610	149.217	ppb	97
27] 1,1,1-Trichloroethane	4.08	97	2005331	148.840	ppb	94
28) 1,1-Dichloropropene	4.22	75	1591659	151.432	ppb	93
29) Carbon tetrachloride	4.21	117	1815130	143.824	ppb	96
31] Benzene	4.39	78	4475207	138.673	ppb	96
32] Trichloroethene	4.93	95	1382563	149.725	ppb	92
33) 1,2-Dichloropropane	5.13	63	1259729	138.698	ppb	98
34) Bromodichloromethane	5.37	83	1602675	148.429	ppb	95
36) Dibromomethane	5.23	93	767338	142.027	ppb	92

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

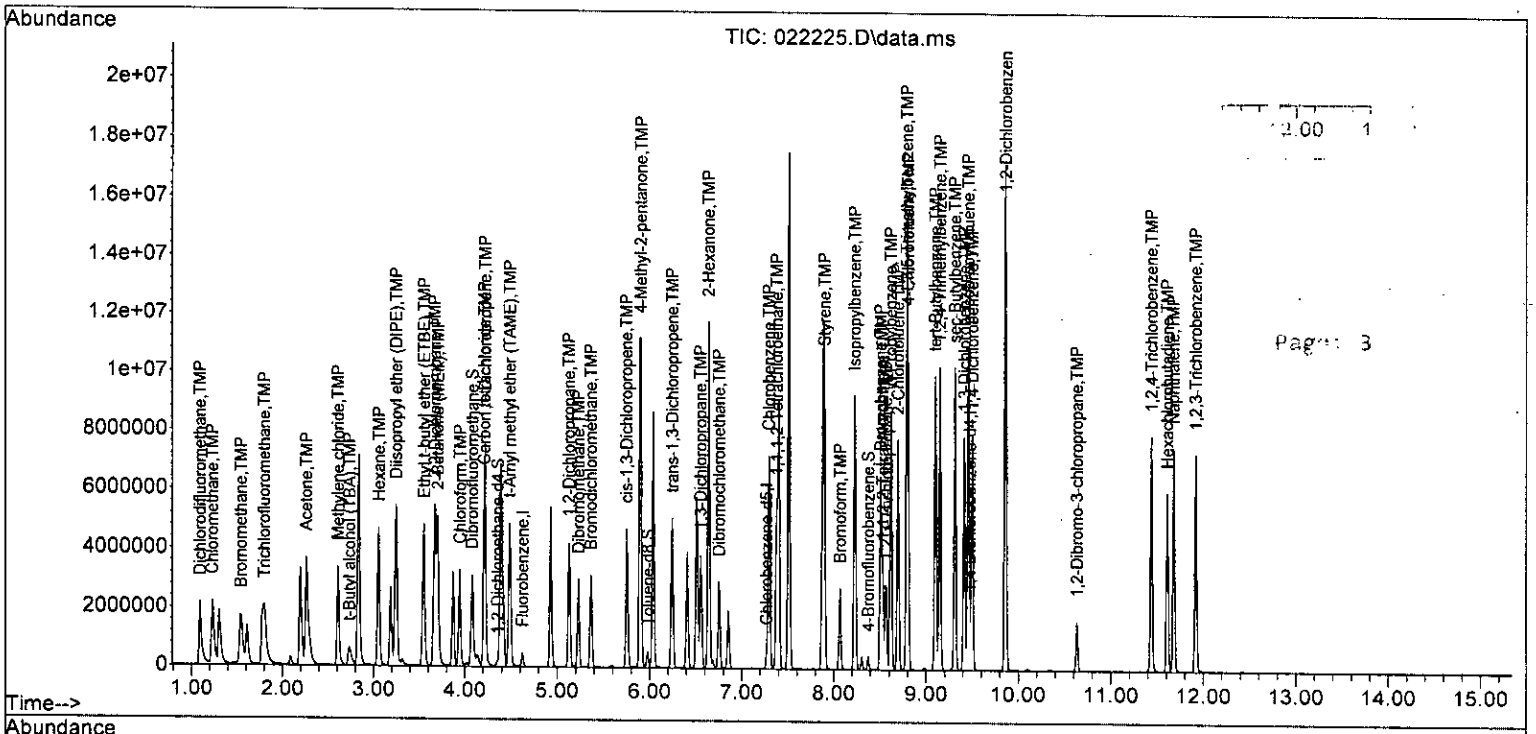
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1058468	701.474	ppb	#	84
38) cis-1,3-Dichloropropene	5.75	75	1869901	149.335	ppb		97
40] Toluene	6.03	92	2932741	140.982	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	1714927	147.589	ppb		95
42] 1,1,2-Trichloroethane	6.40	83	892669	140.553	ppb		100
43) 2-Hexanone	6.64	43	6525224	706.958	ppb		96
44) 1,3-Dichloropropane	6.55	76	1592890	151.941	ppb		100
45] Tetrachloroethene	6.51	164	1360062	139.434	ppb		99
46) Dibromochloromethane	6.75	129	1386451	148.296	ppb		94
47] 1,2-Dibromoethane (EDB)	6.85	107	1195579	145.242	ppb		99
48) Chlorobenzene	7.29	112	3421140	150.025	ppb		95
49] Ethylbenzene	7.40	91	5426200	137.227	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	1321681	151.889	ppb		95
51] m,p-Xylene	7.52	106	4454645	306.247	ppb	#	74
52] o-Xylene	7.88	106	2237924	143.645	ppb	#	71
53) Styrene	7.90	104	3509489	150.236	ppb		100
54) Isopropylbenzene	8.23	105	5348731	149.611	ppb		100
55) Bromoform	8.07	173	1153127	151.244	ppb		90
58) n-Propylbenzene	8.62	91	6066983	151.475	ppb		99
59) Bromobenzene	8.51	156	1733818	150.421	ppb		94
60) 1,3,5-Trimethylbenzene	8.79	105	4604342	156.002	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.53	83	1312362	151.115	ppb		98
62) 1,2,3-Trichloropropane	8.57	75	1020482	145.273	ppb		96
63) 2-Chlorotoluene	8.70	91	3586497	148.859	ppb		96
64) 4-Chlorotoluene	8.81	91	4168013	150.482	ppb		89
65) tert-Butylbenzene	9.10	119	4318169	156.899	ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	4795228	156.410	ppb		96
67) sec-Butylbenzene	9.31	105	6090230	157.343	ppb		98
68) p-Isopropyltoluene	9.46	119	5374315	155.952	ppb		99
69) 1,3-Dichlorobenzene	9.42	146	3039248	148.218	ppb		100
70) 1,4-Dichlorobenzene	9.50	146	2942529	145.123	ppb		97
71) 1,2-Dichlorobenzene	9.86	146	2919528	148.316	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	308615m	154.239	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	2436338	152.437	ppb		98
74) Hexachlorobutadiene	11.61	225	1261967	165.109	ppb		94
75) Naphthalene	11.68	128	5358301	150.015	ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	2287548	156.643	ppb		96

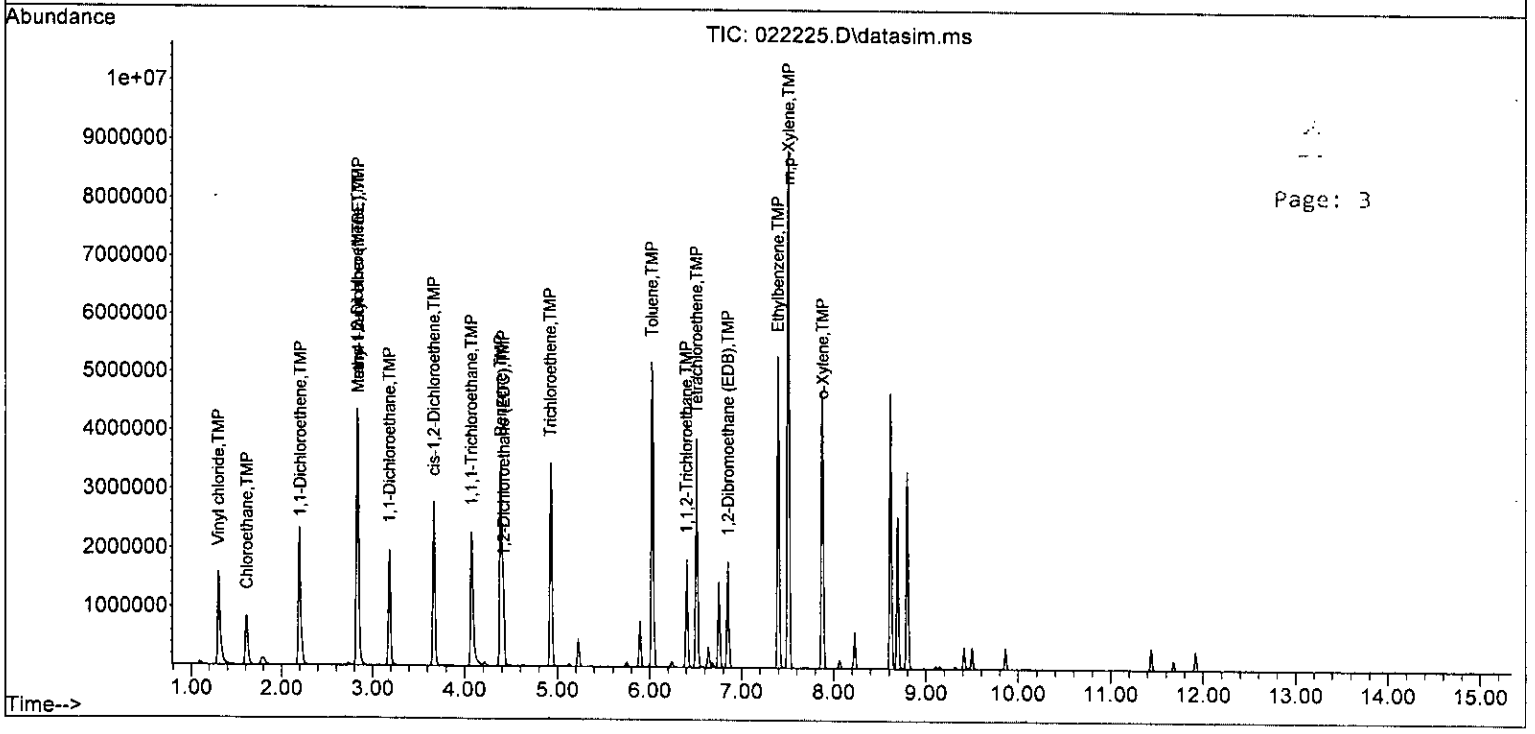
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-1.87#
3	S	Dibromofluoromethane	10.000	9.717	2.8	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	147.677	1.5	100	0.02
5	TMP	Chloromethane	150.000	136.994	8.7	100	0.00
6	TMP	Vinyl chloride	150.000	137.588	8.3	100	0.00
7	TMP	Bromomethane	150.000	143.404	4.4	100	0.00
8	TMP	Chloroethane	150.000	147.296	1.8	100	0.02
9	TMP	Trichlorofluoromethane	150.000	140.370	6.4	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	750.000	764.399	-1.9	100	0.00
12	TMP	1,1-Dichloroethene	150.000	140.837	6.1	100	0.02
13	TMP	Hexane	150.000	141.592	5.6	100	0.00
14	TMP	Methylene chloride	150.000	134.000	10.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	750.000	726.261	3.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	144.962	3.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	148.582	0.9	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	154.097	-2.7	100	0.00
19	TMP	1,1-Dichloroethane	150.000	142.960	4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	144.590	3.6	100	0.00
21	TMP	2,2-Dichloropropane	150.000	152.635	-1.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	149.814	0.1	100	0.00
23	TMP	Chloroform	150.000	146.024	2.7	100	0.00
24	TMP	2-Butanone (MEK)	750.000	771.731	-2.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	144.825	3.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	149.217	0.5	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	148.840	0.8	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.432	-1.0	100	0.00
29	TMP	Carbon tetrachloride	150.000	143.824	4.1	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.848	1.5	100	0.00
31	TMP	Benzene	150.000	138.673	7.6	100	0.00
32	TMP	Trichloroethene	150.000	149.725	0.2	100	0.00
33	TMP	1,2-Dichloropropane	150.000	138.698	7.5	100	0.00
34	TMP	Bromodichloromethane	150.000	148.429	1.0	100	0.00
35	S	Toluene-d8	10.000	9.722	2.8	100	0.01
36	TMP	Dibromomethane	150.000	142.027	5.3	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	701.474	6.5	100	0.01
38	TMP	cis-1,3-Dichloropropene	150.000	149.335	0.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	140.982	6.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	147.589	1.6	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	140.553	6.3	100	0.00
43	TMP	2-Hexanone	750.000	706.958	5.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	151.941	-1.3	100	0.00
45	TMP	Tetrachloroethene	150.000	139.434	7.0	100	0.00
46	TMP	Dibromochloromethane	150.000	148.296	1.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	145.242	3.2	100	0.00
48	TMP	Chlorobenzene	150.000	150.025	-0.0	100	0.00
49	TMP	Ethylbenzene	150.000	137.227	8.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	151.889	-1.3	100	0.00
51	TMP	m,p-Xylene	300.000	306.247	-2.1	100	0.00
52	TMP	o-Xylene	150.000	143.645	4.2	100	0.00
53	TMP	Styrene	150.000	150.236	-0.2	100	0.00
54	TMP	Isopropylbenzene	150.000	149.611	0.3	100	0.00
55	TMP	Bromoform	150.000	151.244	-0.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.237	-2.4	100	0.00
58	TMP	n-Propylbenzene	150.000	151.475	-1.0	100	0.00
59	TMP	Bromobenzene	150.000	150.421	-0.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	156.002	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	151.115	-0.7	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	145.273	3.2	100	0.00
63	TMP	2-Chlorotoluene	150.000	148.859	0.8	100	0.00
64	TMP	4-Chlorotoluene	150.000	150.482	-0.3	100	0.00
65	TMP	tert-Butylbenzene	150.000	156.899	-4.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	156.410	-4.3	100	0.00
67	TMP	sec-Butylbenzene	150.000	157.343	-4.9	100	0.00
68	TMP	p-Isopropyltoluene	150.000	155.952	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	148.218	1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	145.123	3.3	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	148.316	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	154.239	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	150.000	152.437	-1.6	100	0.00
74	TMP	Hexachlorobutadiene	150.000	165.109	-10.1	100	0.00
75	TMP	Naphthalene	150.000	150.015	-0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	156.643	-4.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-1.87#
3	S	Dibromofluoromethane	0.278	0.270	2.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.541	1.5	100	0.02
5	TMP	Chloromethane	0.714	0.652	8.7	100	0.00
6	TMP	Vinyl chloride	0.603	0.553	8.3	100	0.00
7	TMP	Bromomethane	0.358	0.342	4.5	100	0.00
8	TMP	Chloroethane	0.278	0.273	1.8	100	0.02
9	TMP	Trichlorofluoromethane	0.767	0.718	6.4	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.073	-1.4	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.279	6.1	100	0.02
13	TMP	Hexane	0.420	0.397	5.5	100	0.00
14	TMP	Methylene chloride	0.279	0.249	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.039	2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.669	3.3	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.254	11.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	1.006	-2.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.500	4.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.281	3.4	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.297	10.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.288	8.0	100	0.00
23	TMP	Chloroform	0.473	0.460	2.7	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.253	-2.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.627	3.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.390	11.8	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.434	0.9	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.345	-1.2	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.393	4.1	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	100	0.00
31	TMP	Benzene	1.048	0.969	7.5	100	0.00
32	TMP	Trichloroethene	0.329	0.299	9.1	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.273	7.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.347	1.1	100	0.00
35	S	Toluene-d8	0.941	0.915	2.8	100	0.01
36	TMP	Dibromomethane	0.176	0.166	5.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.405	0.5	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.807	6.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.472	1.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.246	6.1	100	0.00
43	TMP	2-Hexanone	0.381	0.359	5.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022225.D
Acq On : 22 Feb 2023 09:25 pm
Operator : LM
Sample : 150 ppb 8260 CCV 68-136T
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 10:59:59 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

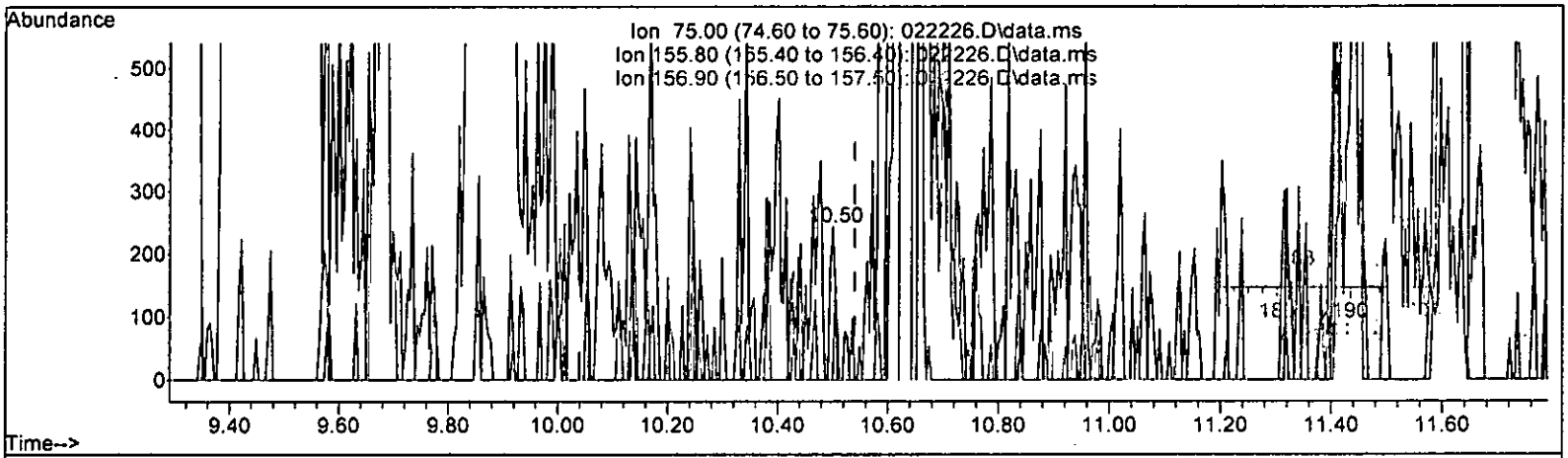
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.438	-1.2	100	0.00
45	TMP	Tetrachloroethene	0.403	0.374	7.2	100	0.00
46	TMP	Dibromochloromethane	0.386	0.382	1.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.329	3.2	100	0.00
48	TMP	Chlorobenzene	0.941	0.942	-0.1	100	0.00
49	TMP	Ethylbenzene	1.632	1.493	8.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.364	4.2	100	0.00
51	TMP	m,p-Xylene	0.656	0.613	6.6	100	0.00
52	TMP	o-Xylene	0.643	0.616	4.2	100	0.00
53	TMP	Styrene	0.964	0.966	-0.2	100	0.00
54	TMP	Isopropylbenzene	1.476	1.472	0.3	100	0.00
55	TMP	Bromoform	0.315	0.317	-0.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.742	-2.5	100	0.00
58	TMP	n-Propylbenzene	2.900	2.928	-1.0	100	0.00
59	TMP	Bromobenzene	0.834	0.837	-0.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.222	-4.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.633	5.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.493#	3.1	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.731	0.7	100	0.00
64	TMP	4-Chlorotoluene	2.005	2.012	-0.3	100	0.00
65	TMP	tert-Butylbenzene	1.993	2.084	-4.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.314	-4.2	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.939	-4.9	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.594	-4.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.467	1.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.420	3.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.409	1.1	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.149	-2.8	100	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.176	-1.6	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.609	-10.1	100	0.00
75	TMP	Naphthalene	2.586	2.586	0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.104	-4.4	100	0.00

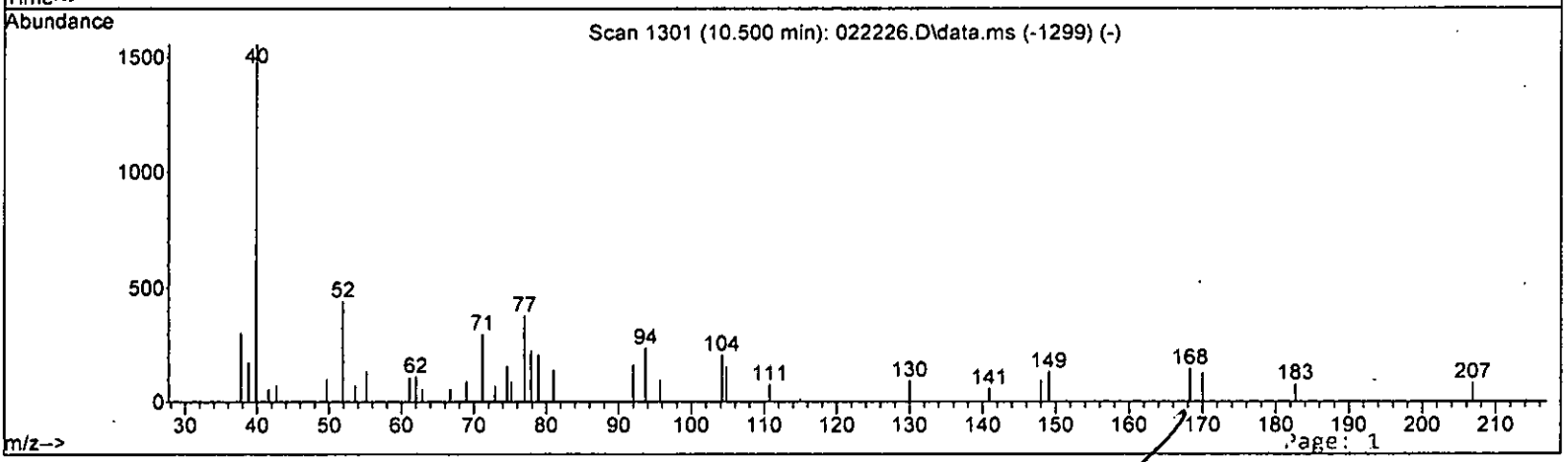
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022226.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.500min (-0.040) 0.075 ppb

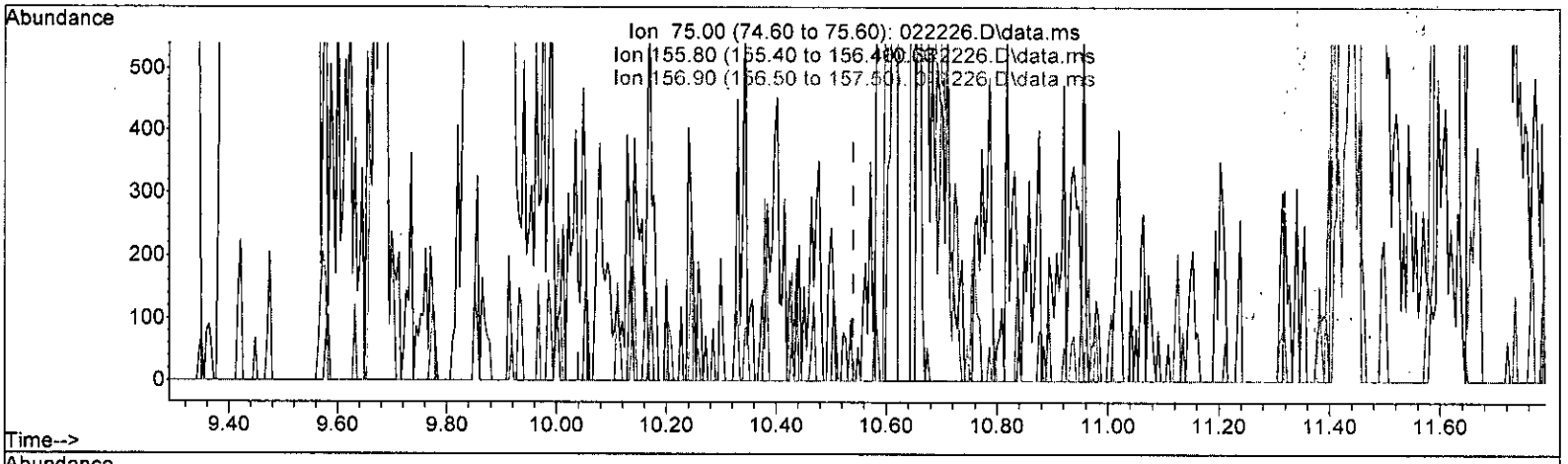
response 155

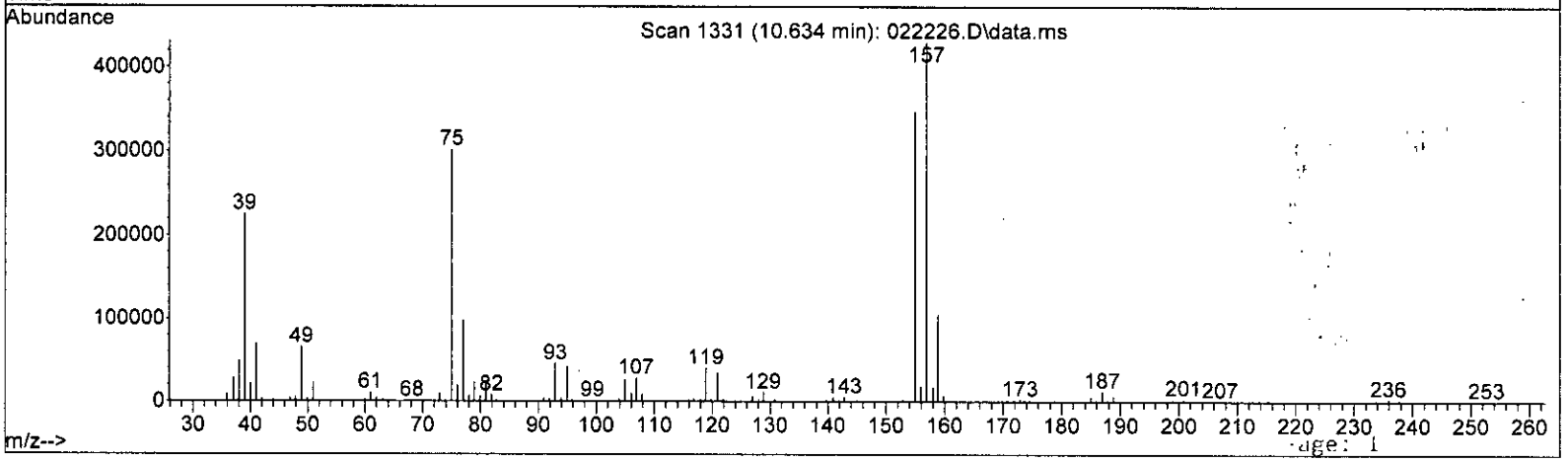
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022226.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)

10.634min (+ 0.094) 199.288 ppb m

response 411653

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	5.86
156.90	93.30	142.78#
0.00	0.00	0.00

2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.63	96	308112	10.000 ppb	0.00
39) Chlorobenzene-d5	7.27	117	242097	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	142594	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.08	113	82781	9.655 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%		
30) 1,2-Dichloroethane-d4	4.36	102	17784	9.335 ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 93.30%		
35) Toluene-d8	5.98	98	288831	9.959 ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 99.60%		
57) 4-Bromofluorobenzene	8.38	95	104648	10.130 ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.30%		
Target Compounds					Qvalue
2) Ethanol	1.90	45	132	No Calib #	
4) Dichlorodifluoromethane	1.09	85	3141738	185.685 ppb	96
5) Chloromethane	1.23	50	3900360	177.193 ppb	96
6] Vinyl chloride	1.30	62	3304910	177.843 ppb	95
7) Bromomethane	1.54	94	2056185	186.343 ppb	94
8] Chloroethane	1.60	64	1650307	192.506 ppb	98
9) Trichlorofluoromethane	1.79	101	4309674	182.408 ppb	92
10) 2-Propanol	2.41	45	4081	No Calib	
11) Acetone	2.26	58	2302176	1041.416 ppb	95
12] 1,1-Dichloroethene	2.20	96	1690139	184.900 ppb	86
13) Hexane	3.05	57	2416182	186.581 ppb	98
14) Methylene chloride	2.61	84	1531789	178.374 ppb	86
15) t-Butyl alcohol (TBA)	2.73	59	1221268	990.605 ppb	99
16] Methyl t-butyl ether (...	2.84	73	4091907	191.980 ppb	99
17] trans-1,2-Dichloroethene	2.83	96	1547743	196.004 ppb	99
18) Diisopropyl ether (DIPE)	3.24	45	5805408	192.486 ppb	96
19] 1,1-Dichloroethane	3.18	63	3035415	187.911 ppb	100
20) Ethyl t-butyl ether (E...	3.55	87	1721457	191.701 ppb	89
21) 2,2-Dichloropropane	3.67	77	1760075	196.027 ppb	93
22] cis-1,2-Dichloroethene	3.67	96	1743701	196.303 ppb	93
23) Chloroform	3.95	83	2805121	192.492 ppb	96
24) 2-Butanone (MEK)	3.70	43	7804607	1029.458 ppb	98
25) t-Amyl methyl ether (T...	4.49	73	3800674	189.998 ppb	99
26] 1,2-Dichloroethane (EDC)	4.42	62	2368675	199.976 ppb	97
27] 1,1,1-Trichloroethane	4.08	97	2604185	193.093 ppb	94
28) 1,1-Dichloropropene	4.22	75	2097497	199.356 ppb	93
29) Carbon tetrachloride	4.22	117	2401095	190.061 ppb	98
31] Benzene	4.39	78	5879211	181.995 ppb	97
32] Trichloroethene	4.93	95	1819777	196.878 ppb	90
33) 1,2-Dichloropropane	5.13	63	1679259	184.702 ppb	99
34) Bromodichloromethane	5.37	83	2147636	198.698 ppb	97
36) Dibromomethane	5.23	93	1016567	187.966 ppb	93

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

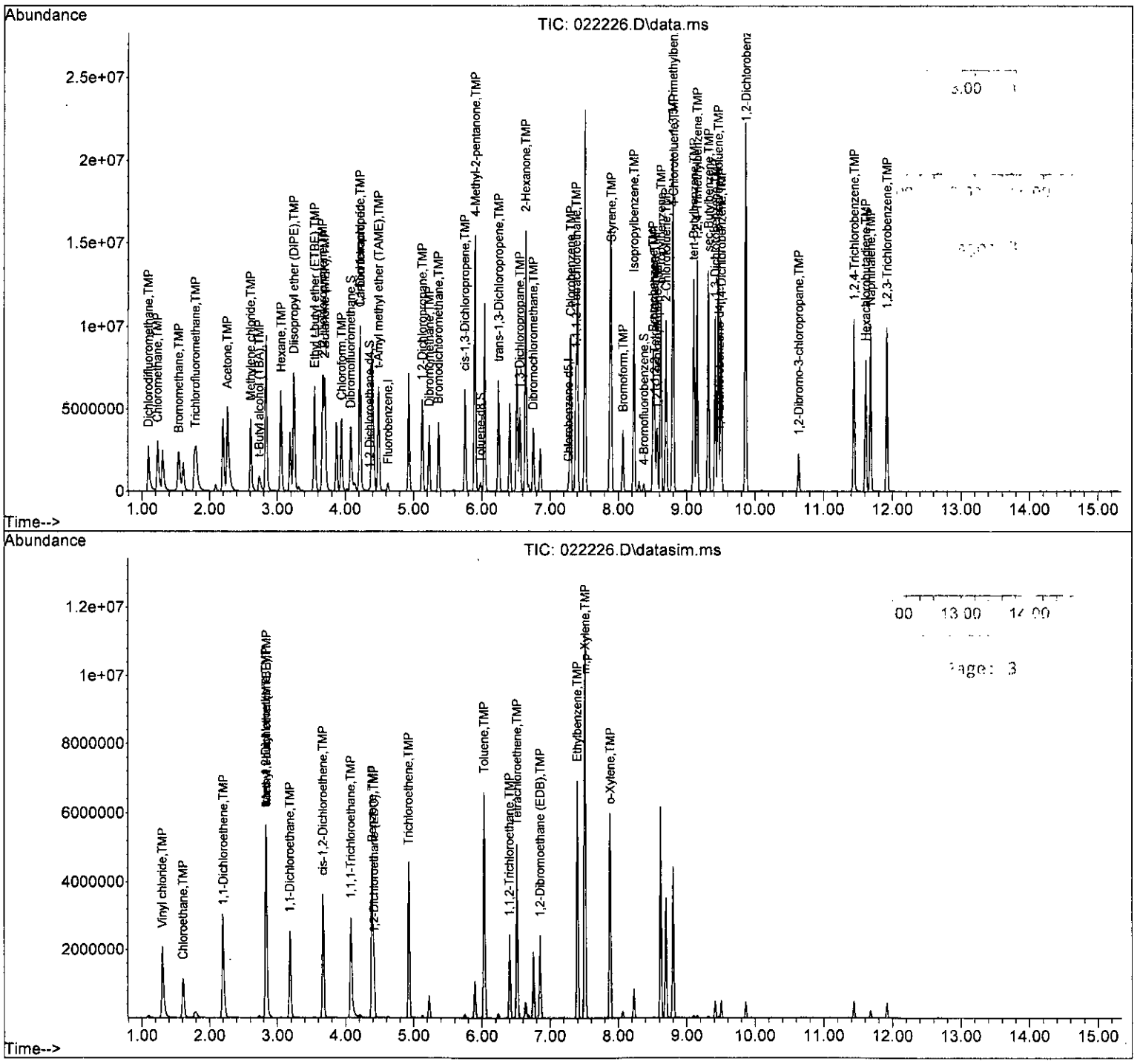
Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.91	85	1418373	939.040 ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	2525599	201.497 ppb		96
40] Toluene	6.03	92	3879049	186.579 ppb		99
41) trans-1,3-Dichloropropene	6.25	75	2314353	199.291 ppb		97
42] 1,1,2-Trichloroethane	6.40	83	1194333	188.158 ppb		99
43) 2-Hexanone	6.64	43	8711060	944.318 ppb		95
44) 1,3-Dichloropropane	6.55	76	2139139	204.163 ppb		98
45] Tetrachloroethene	6.51	164	1795850	184.217 ppb		99
46) Dibromochloromethane	6.75	129	1847157	197.687 ppb		95
47] 1,2-Dibromoethane (EDB)	6.85	107	1595189	193.899 ppb		98
48) Chlorobenzene	7.30	112	4519617	198.310 ppb		95
49] Ethylbenzene	7.40	91	7175710	181.575 ppb		100
50) 1,1,1,2-Tetrachloroethane	7.38	131	1731776	199.154 ppb		97
51] m,p-Xylene	7.52	106	5911055	406.615 ppb	#	75
52] o-Xylene	7.88	106	2958828	190.027 ppb	#	73
53) Styrene	7.90	104	4723559	202.325 ppb		99
54) Isopropylbenzene	8.23	105	6976206	195.246 ppb		99
55) Bromoform	8.07	173	1528008	200.529 ppb		91
58) n-Propylbenzene	8.63	91	7968504	192.717 ppb		97
59) Bromobenzene	8.51	156	2312462	194.336 ppb		94
60) 1,3,5-Trimethylbenzene	8.80	105	6028636	197.858 ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	1769527	197.398 ppb		98
62) 1,2,3-Trichloropropane	8.57	75	1357353	187.174 ppb		96
63) 2-Chlorotoluene	8.70	91	4747509	190.873 ppb		94
64) 4-Chlorotoluene	8.81	91	5562427	194.533 ppb		88
65) tert-Butylbenzene	9.10	119	5671829	199.627 ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	6326287	199.885 ppb		97
67) sec-Butylbenzene	9.32	105	7999897	200.204 ppb		95
68) p-Isopropyltoluene	9.46	119	7009195	197.021 ppb		98
69) 1,3-Dichlorobenzene	9.42	146	4008657	189.368 ppb		99
70) 1,4-Dichlorobenzene	9.51	146	3907771	186.689 ppb		96
71) 1,2-Dichlorobenzene	9.86	146	3891403	191.494 ppb		98
72) 1,2-Dibromo-3-chloropr...	10.63	75	411653m	199.288 ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	3216221	194.928 ppb		99
74) Hexachlorobutadiene	11.61	225	1641545	208.041 ppb		96
75) Naphthalene	11.68	128	7084059	192.116 ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	3002206	199.138 ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.03
3	S	Dibromofluoromethane	10.000	9.655	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	185.685	7.2	100	0.02
5	TMP	Chloromethane	200.000	177.193	11.4	100	0.00
6	TMP	Vinyl chloride	200.000	177.843	11.1	100	0.00
7	TMP	Bromomethane	200.000	186.343	6.8	100	0.00
8	TMP	Chloroethane	200.000	192.506	3.7	100	0.00
9	TMP	Trichlorofluoromethane	200.000	182.408	8.8	100	0.02
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.02
11	TMP	Acetone	1000.000	1041.416	-4.1	100	0.00
12	TMP	1,1-Dichloroethene	200.000	184.900	7.5	100	0.02
13	TMP	Hexane	200.000	186.581	6.7	100	0.00
14	TMP	Methylene chloride	200.000	178.374	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	1000.000	990.605	0.9	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	200.000	191.980	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	196.004	2.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	192.486	3.8	100	0.00
19	TMP	1,1-Dichloroethane	200.000	187.911	6.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	191.701	4.1	100	0.00
21	TMP	2,2-Dichloropropane	200.000	196.027	2.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	196.303	1.8	100	0.00
23	TMP	Chloroform	200.000	192.492	3.8	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	1029.458	-2.9	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	200.000	189.998	5.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	200.000	199.976	0.0	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	193.093	3.5	100	0.00
28	TMP	1,1-Dichloropropene	200.000	199.356	0.3	100	0.00
29	TMP	Carbon tetrachloride	200.000	190.061	5.0	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.335	6.6	100	0.00
31	TMP	Benzene	200.000	181.995	9.0	100	0.00
32	TMP	Trichloroethene	200.000	196.878	1.6	100	0.00
33	TMP	1,2-Dichloropropane	200.000	184.702	7.6	100	0.00
34	TMP	Bromodichloromethane	200.000	198.698	0.7	100	0.00
35	S	Toluene-d8	10.000	9.959	0.4	100	0.01
36	TMP	Dibromomethane	200.000	187.966	6.0	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	939.040	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	200.000	201.497	-0.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	186.579	6.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	199.291	0.4	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	188.158	5.9	100	0.00
43	TMP	2-Hexanone	1000.000	944.318	5.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	204.163	-2.1	100	0.00
45	TMP	Tetrachloroethene	200.000	184.217	7.9	100	0.00
46	TMP	Dibromochloromethane	200.000	197.687	1.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	193.899	3.1	100	0.00
48	TMP	Chlorobenzene	200.000	198.310	0.8	100	0.00
49	TMP	Ethylbenzene	200.000	181.575	9.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	199.154	0.4	100	0.00
51	TMP	m,p-Xylene	400.000	406.615	-1.7	100	0.00
52	TMP	o-Xylene	200.000	190.027	5.0	100	0.00
53	TMP	Styrene	200.000	202.325	-1.2	100	0.00
54	TMP	Isopropylbenzene	200.000	195.246	2.4	100	0.00
55	TMP	Bromoform	200.000	200.529	-0.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.130	-1.3	100	0.00
58	TMP	n-Propylbenzene	200.000	192.717	3.6	100	0.00
59	TMP	Bromobenzene	200.000	194.336	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	197.858	1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	197.398	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	187.174	6.4	100	0.00
63	TMP	2-Chlorotoluene	200.000	190.873	4.6	100	0.00
64	TMP	4-Chlorotoluene	200.000	194.533	2.7	100	0.00
65	TMP	tert-Butylbenzene	200.000	199.627	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	199.885	0.1	100	0.00
67	TMP	sec-Butylbenzene	200.000	200.204	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	200.000	197.021	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	189.368	5.3	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	186.689	6.7	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	191.494	4.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	199.288	0.4	101	0.09
73	TMP	1,2,4-Trichlorobenzene	200.000	194.928	2.5	100	0.00
74	TMP	Hexachlorobutadiene	200.000	208.041	-4.0	100	0.00
75	TMP	Naphthalene	200.000	192.116	3.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	199.138	0.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.03
3	S	Dibromofluoromethane	0.278	0.269	3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.510	7.1	100	0.02
5	TMP	Chloromethane	0.714	0.633	11.3	100	0.00
6	TMP	Vinyl chloride	0.603	0.536	11.1	100	0.00
7	TMP	Bromomethane	0.358	0.334	6.7	100	0.00
8	TMP	Chloroethane	0.278	0.268	3.6	100	0.00
9	TMP	Trichlorofluoromethane	0.767	0.699	8.9	100	0.02
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.02
11	TMP	Acetone	0.072	0.075	-4.2	100	0.00
12	TMP	1,1-Dichloroethene	0.297	0.274	7.7	100	0.02
13	TMP	Hexane	0.420	0.392	6.7	100	0.00
14	TMP	Methylene chloride	0.279	0.249	10.8	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.040	0.0	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.664	4.0	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.251	12.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.942	3.8	100	0.00
19	TMP	1,1-Dichloroethane	0.524	0.493	5.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.279	4.1	100	0.00
21	TMP	2,2-Dichloropropane	0.330	0.286	13.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.283	9.6	100	0.00
23	TMP	Chloroform	0.473	0.455	3.8	100	0.00
24	TMP	2-Butanone (MEK)	0.246	0.253	-2.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.617	4.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.384	13.1	100	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.423	3.4	100	0.00
28	TMP	1,1-Dichloropropene	0.341	0.340	0.3	100	0.00
29	TMP	Carbon tetrachloride	0.410	0.390	4.9	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	1.048	0.954	9.0	100	0.00
32	TMP	Trichloroethene	0.329	0.295	10.3	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.273	7.5	100	0.00
34	TMP	Bromodichloromethane	0.351	0.349	0.6	100	0.00
35	S	Toluene-d8	0.941	0.937	0.4	100	0.01
36	TMP	Dibromomethane	0.176	0.165	6.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.046	6.1	100	0.01
38	TMP	cis-1,3-Dichloropropene	0.407	0.410	-0.7	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.859	0.801	6.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.478	0.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.247	5.7	100	0.00
43	TMP	2-Hexanone	0.381	0.360	5.5	100	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022226.D
Acq On : 22 Feb 2023 09:48 pm
Operator : LM
Sample : 200 ppb 8260 CCV 68-136U
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:00:03 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.442	-2.1	100	0.00
45	TMP	Tetrachloroethene	0.403	0.371	7.9	100	0.00
46	TMP	Dibromochloromethane	0.386	0.381	1.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.329	3.2	100	0.00
48	TMP	Chlorobenzene	0.941	0.933	0.9	100	0.00
49	TMP	Ethylbenzene	1.632	1.482	9.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.358	5.8	100	0.00
51	TMP	m,p-Xylene	0.656	0.610	7.0	100	0.00
52	TMP	o-Xylene	0.643	0.611	5.0	100	0.00
53	TMP	Styrene	0.964	0.976	-1.2	100	0.00
54	TMP	Isopropylbenzene	1.476	1.441	2.4	100	0.00
55	TMP	Bromoform	0.315	0.316	-0.3	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.724	0.734	-1.4	100	0.00
58	TMP	n-Propylbenzene	2.900	2.794	3.7	100	0.00
59	TMP	Bromobenzene	0.834	0.811	2.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.114	1.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.620	7.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.476#	6.5	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.665	4.5	100	0.00
64	TMP	4-Chlorotoluene	2.005	1.950	2.7	100	0.00
65	TMP	tert-Butylbenzene	1.993	1.989	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.218	0.1	100	0.00
67	TMP	sec-Butylbenzene	2.802	2.805	-0.1	100	0.00
68	TMP	p-Isopropyltoluene	2.495	2.458	1.5	100	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.406	5.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.370	6.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.365	4.2	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.144	0.7	101	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.128	2.5	100	0.00
74	TMP	Hexachlorobutadiene	0.553	0.576	-4.2	100	0.00
75	TMP	Naphthalene	2.586	2.484	3.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.053	0.4	100	0.00

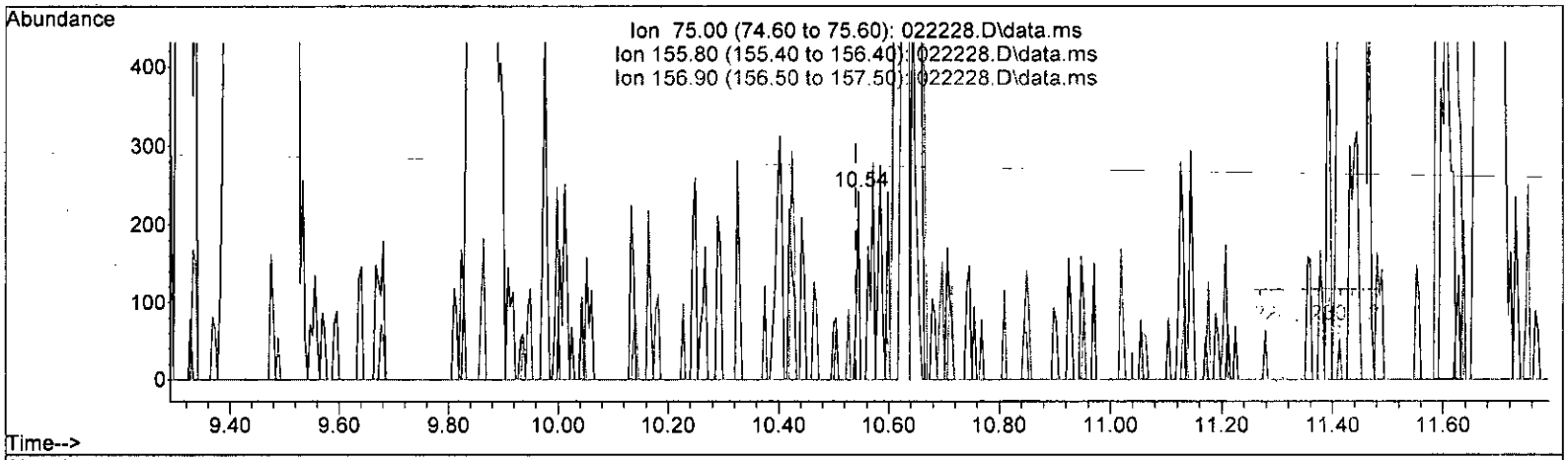
(#) = Out of Range SPCC's out = 2 CCC's out = 0

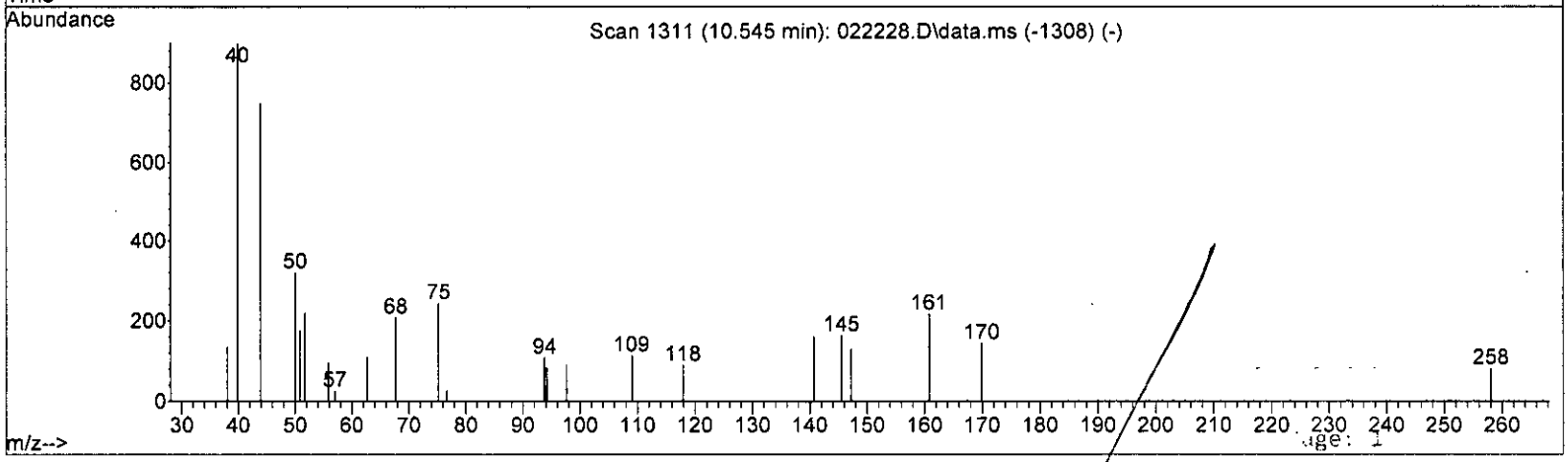
Page: 2

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022228.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.545min (+ 0.005) 0.042 ppb
response 82

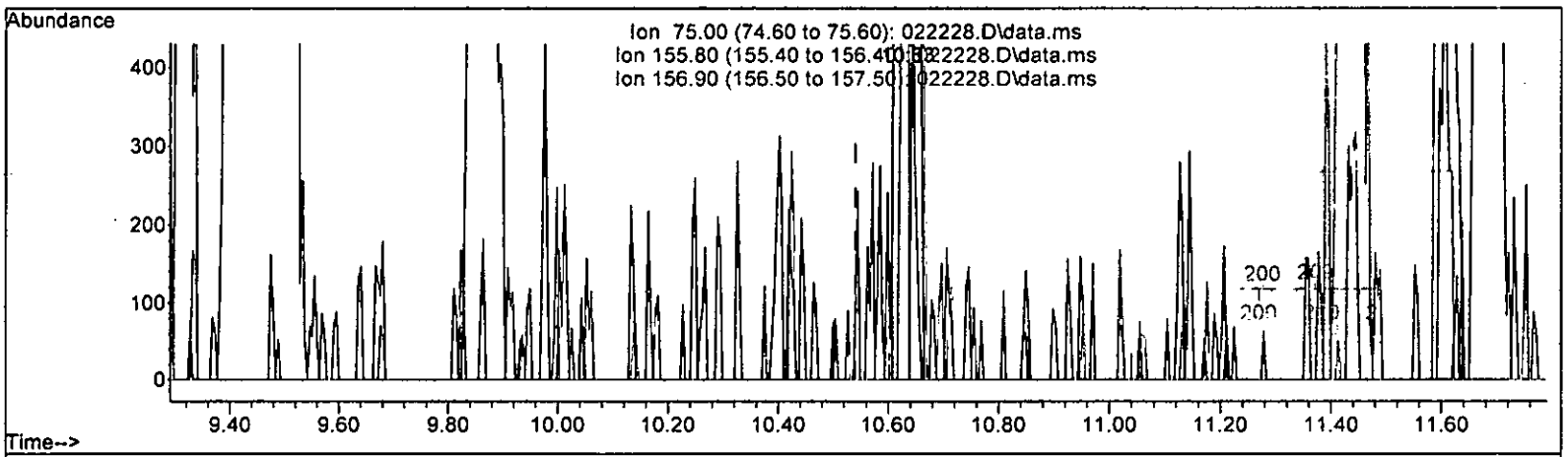
Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	0.00
156.90	93.30	0.00#
0.00	0.00	0.00

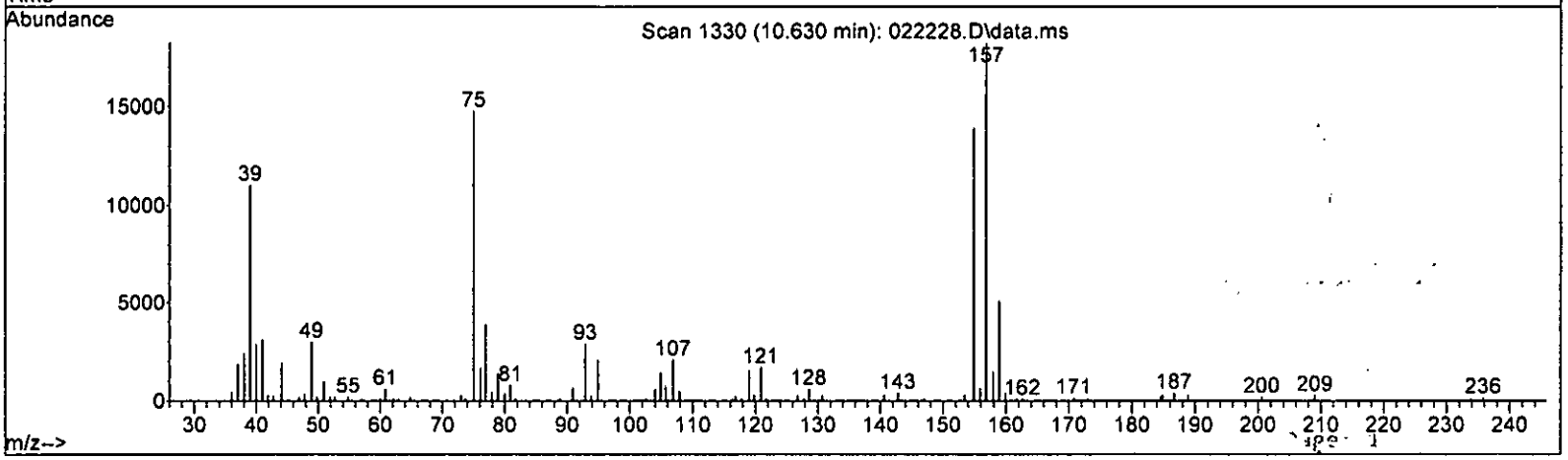
2/23

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022228.D\data.ms

(72) 1,2-Dibromo-3-chloropropane (TMP)
10.630min (+ 0.090) 10.396 ppb m
response 20058

Ion	Exp%	Act%
75.00	100.00	100.00
155.80	5.60	4.15
156.90	93.30	123.37#
0.00	0.00	0.00

m2/23

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	302202	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	237061	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	133194	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.08	113	84921	10.098	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.00%			
30) 1,2-Dichloroethane-d4	4.35	102	16639	8.904	ppb	0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 89.00%			
35) Toluene-d8	5.98	98	273108	9.601	ppb	0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 96.00%			
57) 4-Bromofluorobenzene	8.38	95	97712	10.126	ppb	0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 101.30%			
Target Compounds						Qvalue
2) Ethanol	1.86	45	550	No Calib		
4) Dichlorodifluoromethane	1.09	85	197453	11.898	ppb	92
5) Chloromethane	1.23	50	224090	10.379	ppb	97
6] Vinyl chloride	1.30	62	187627	10.294	ppb	94
7) Bromomethane	1.53	94	122734	11.340	ppb	95
8] Chloroethane	1.60	64	88323	10.504	ppb	98
9) Trichlorofluoromethane	1.78	101	227616	9.822	ppb	86
10) 2-Propanol	2.42	45	3319	No Calib		
11) Acetone	2.27	58	113645	52.414	ppb	95
12] 1,1-Dichloroethene	2.19	96	86822	9.684	ppb	94
13) Hexane	3.05	57	116678	9.186	ppb	95
14) Methylene chloride	2.61	84	84426	10.024	ppb	88
15) t-Butyl alcohol (TBA)	2.74	59	59625	49.309	ppb	97
16] Methyl t-butyl ether (...	2.84	73	210293	10.059	ppb	98
17] trans-1,2-Dichloroethene	2.83	96	81388	10.491	ppb	98
18) Diisopropyl ether (DIPE)	3.24	45	286485	9.685	ppb	96
19] 1,1-Dichloroethane	3.18	63	156639	9.887	ppb	99
20) Ethyl t-butyl ether (E...	3.55	87	87026	9.881	ppb	89
21) 2,2-Dichloropropane	3.67	77	88154	9.854	ppb	100
22] cis-1,2-Dichloroethene	3.67	96	90062	10.325	ppb	90
23) Chloroform	3.94	83	139424	9.755	ppb	93
24) 2-Butanone (MEK)	3.70	43	380211	51.132	ppb	99
25) t-Amyl methyl ether (T...	4.49	73	191080	9.739	ppb	96
26] 1,2-Dichloroethane (EDC)	4.41	62	122800	9.857	ppb	98
27] 1,1,1-Trichloroethane	4.08	97	131371	9.931	ppb	93
28) 1,1-Dichloropropene	4.22	75	106524	10.323	ppb	94
29) Carbon tetrachloride	4.21	117	118196	9.539	ppb	92
31] Benzene	4.38	78	307943	9.719	ppb	97
32] Trichloroethene	4.93	95	94357	10.394	ppb	95
33) 1,2-Dichloropropane	5.13	63	81414	9.130	ppb	98
34) Bromodichloromethane	5.37	83	107289	10.120	ppb	91
36) Dibromomethane	5.23	93	50570	9.533	ppb	90

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

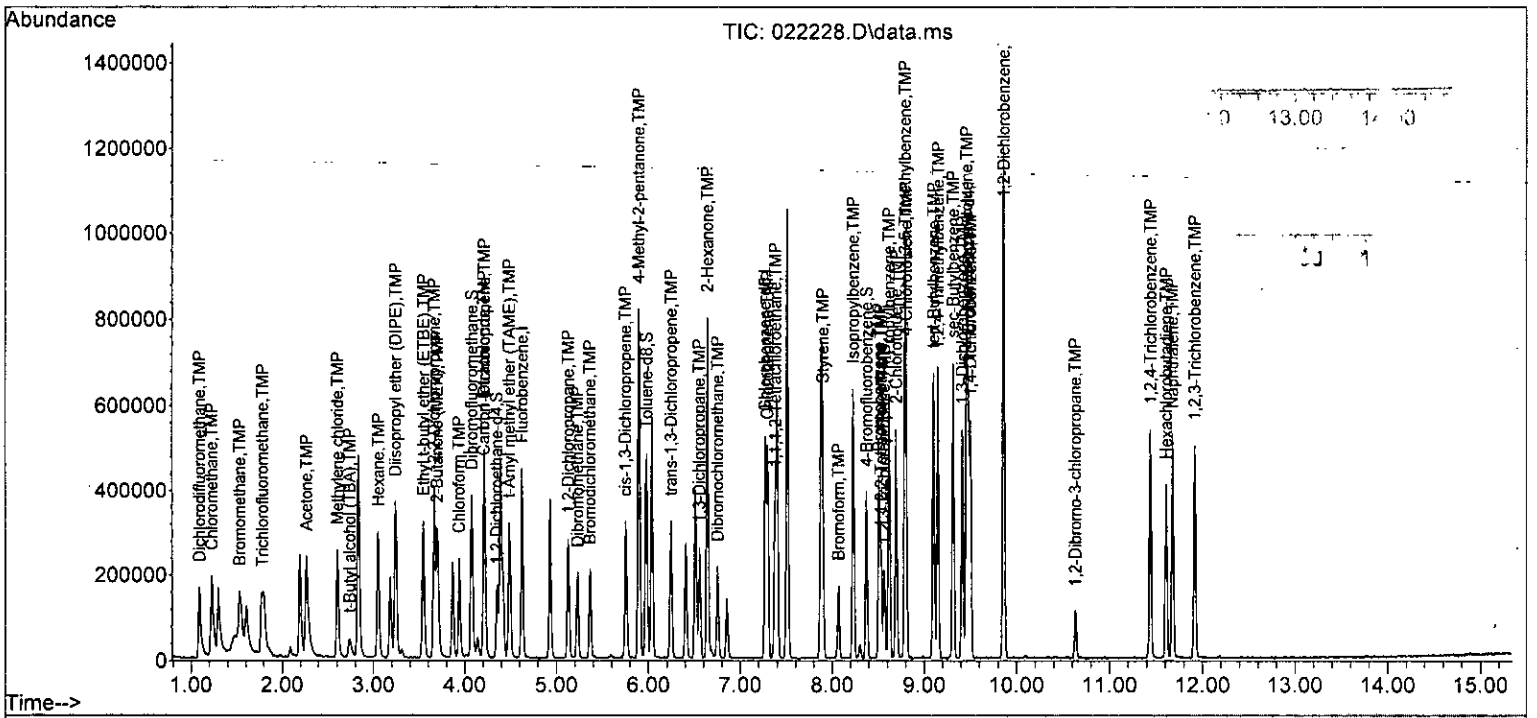
Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

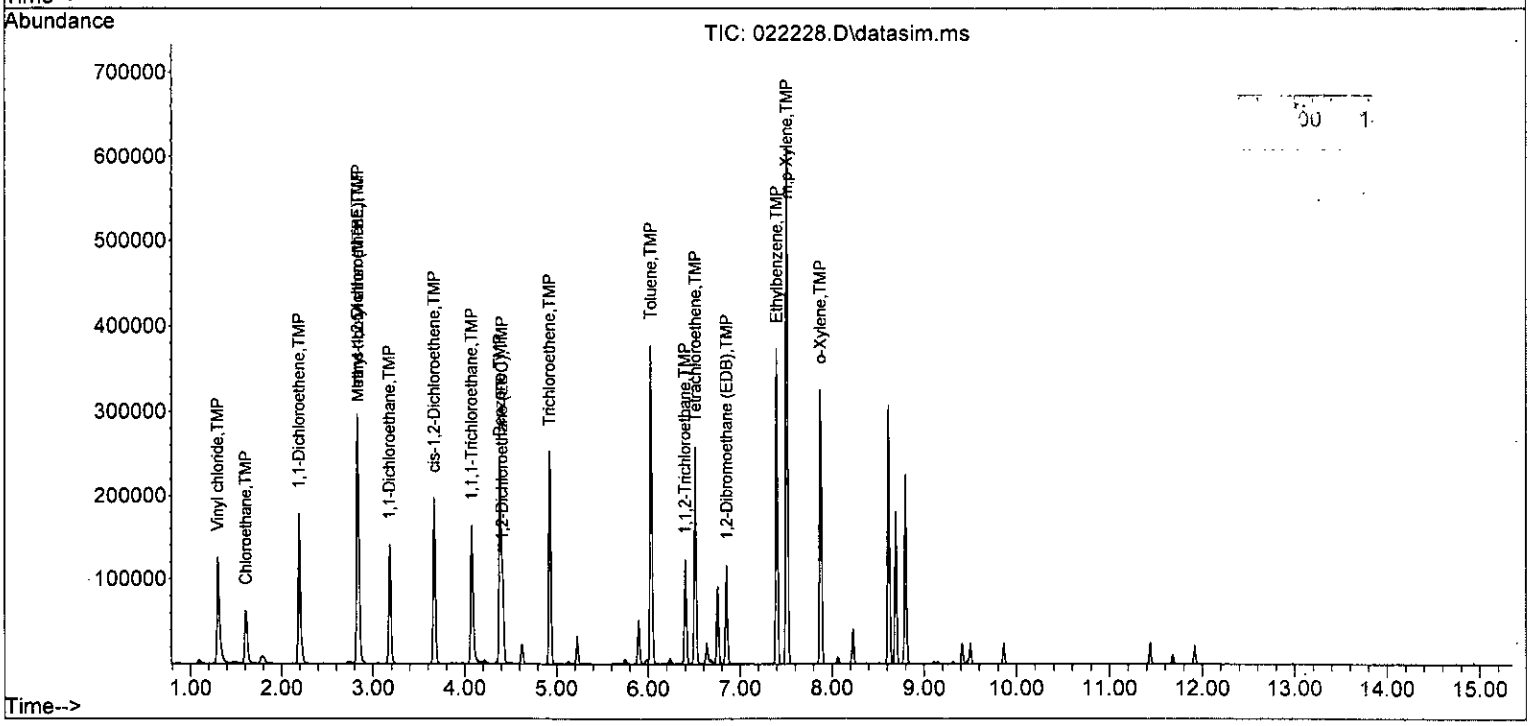
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	72893	49.203	ppb	#	83
38) cis-1,3-Dichloropropene	5.75	75	121434	9.878	ppb		96
40] Toluene	6.03	92	196083	9.632	ppb		99
41) trans-1,3-Dichloropropene	6.25	75	107954	9.493	ppb		96
42] 1,1,2-Trichloroethane	6.40	83	58710	9.446	ppb		99
43) 2-Hexanone	6.64	43	457138	50.609	ppb		99
44) 1,3-Dichloropropane	6.55	76	105406	10.274	ppb		99
45] Tetrachloroethene	6.51	164	90181	9.447	ppb		99
46) Dibromochloromethane	6.75	129	94367	10.314	ppb		100
47] 1,2-Dibromoethane (EDB)	6.85	107	79959	9.926	ppb		98
48) Chlorobenzene	7.29	112	219739	9.846	ppb		99
49] Ethylbenzene	7.40	91	366876	9.481	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.38	131	83345	9.719	ppb		95
51] m,p-Xylene	7.51	106	288726	20.257	ppb		98
52] o-Xylene	7.88	106	147299	9.661	ppb		97
53) Styrene	7.90	104	219037	9.581	ppb		92
54) Isopropylbenzene	8.23	105	353228	10.096	ppb		99
55) Bromoform	8.07	173	68404	9.168	ppb		97
58) n-Propylbenzene	8.62	91	405262	10.493	ppb		99
59) Bromobenzene	8.51	156	111085	9.994	ppb		91
60) 1,3,5-Trimethylbenzene	8.79	105	301209	10.583	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.53	83	89573	10.616	ppb		96
62) 1,2,3-Trichloropropane	8.56	75	68915	10.174	ppb		94
63) 2-Chlorotoluene	8.70	91	239224	10.297	ppb		93
64) 4-Chlorotoluene	8.81	91	268823	10.065	ppb		86
65) tert-Butylbenzene	9.10	119	283592	10.686	ppb		99
66) 1,2,4-Trimethylbenzene	9.15	105	312820	10.581	ppb		96
67) sec-Butylbenzene	9.31	105	401966	10.769	ppb		100
68) p-Isopropyltoluene	9.46	119	360118	10.837	ppb		99
69) 1,3-Dichlorobenzene	9.41	146	205107	10.373	ppb		99
70) 1,4-Dichlorobenzene	9.50	146	198999	10.178	ppb		99
71) 1,2-Dichlorobenzene	9.86	146	202644	10.676	ppb		95
72) 1,2-Dibromo-3-chloropr...	10.63	75	20058m	10.396	ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	165566	10.743	ppb		97
74) Hexachlorobutadiene	11.61	225	85428	11.591	ppb		93
75) Naphthalene	11.68	128	363351	10.549	ppb		98
76) 1,2,3-Trichlorobenzene	11.92	180	153864	10.926	ppb		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	103	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	10.098	-1.0	99	0.00
4	TMP	Dichlorodifluoromethane	10.000	11.898	-19.0	115	0.02
5	TMP	Chloromethane	10.000	10.379	-3.8	103	0.00
6	TMP	Vinyl chloride	10.000	10.294	-2.9	105	0.00
7	TMP	Bromomethane	10.000	11.340	-13.4	117	0.00
8	TMP	Chloroethane	10.000	10.504	-5.0	102	0.00
9	TMP	Trichlorofluoromethane	10.000	9.822	1.8	104	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.03
11	TMP	Acetone	50.000	52.414	-4.8	110	0.00
12	TMP	1,1-Dichloroethene	10.000	9.684	3.2	101	0.00
13	TMP	Hexane	10.000	9.186	8.1	95	0.00
14	TMP	Methylene chloride	10.000	10.024	-0.2	112	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	49.309	1.4	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.059	-0.6	99	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.491	-4.9	102	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.685	3.1	99	0.00
19	TMP	1,1-Dichloroethane	10.000	9.887	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.881	1.2	103	0.00
21	TMP	2,2-Dichloropropane	10.000	9.854	1.5	92	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.325	-3.2	98	0.00
23	TMP	Chloroform	10.000	9.755	2.4	98	0.00
24	TMP	2-Butanone (MEK)	50.000	51.132	-2.3	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.739	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.857	1.4	98	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.931	0.7	98	0.00
28	TMP	1,1-Dichloropropene	10.000	10.323	-3.2	106	0.00
29	TMP	Carbon tetrachloride	10.000	9.539	4.6	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	8.904	11.0	96	0.00
31	TMP	Benzene	10.000	9.719	2.8	100	0.00
32	TMP	Trichloroethene	10.000	10.394	-3.9	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.130	8.7	99	0.00
34	TMP	Bromodichloromethane	10.000	10.120	-1.2	105	0.00
35	S	Toluene-d8	10.000	9.601	4.0	94	0.01
36	TMP	Dibromomethane	10.000	9.533	4.7	98	0.00
37	TMP	4-Methyl-2-pentanone	50.000	49.203	1.6	98	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.878	1.2	101	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	97	0.00
40	TMP	Toluene	10.000	9.632	3.7	99	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.493	5.1	94	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.446	5.5	98	0.00
43	TMP	2-Hexanone	50.000	50.609	-1.2	98	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.274	-2.7	103	0.00
45	TMP	Tetrachloroethene	10.000	9.447	5.5	97	0.00
46	TMP	Dibromochloromethane	10.000	10.314	-3.1	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.926	0.7	99	0.00
48	TMP	Chlorobenzene	10.000	9.846	1.5	96	0.00
49	TMP	Ethylbenzene	10.000	9.481	5.2	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.719	2.8	95	0.00
51	TMP	m,p-Xylene	20.000	20.257	-1.3	100	0.00
52	TMP	o-Xylene	10.000	9.661	3.4	100	0.00
53	TMP	Styrene	10.000	9.581	4.2	97	0.00
54	TMP	Isopropylbenzene	10.000	10.096	-1.0	98	0.00
55	TMP	Bromoform	10.000	9.168	8.3	95	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	94	0.00
57	S	4-Bromofluorobenzene	10.000	10.126	-1.3	98	0.00
58	TMP	n-Propylbenzene	10.000	10.493	-4.9	99	0.00
59	TMP	Bromobenzene	10.000	9.994	0.1	98	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.583	-5.8	99	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.616	-6.2	108	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.174	-1.7	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.297	-3.0	99	0.00
64	TMP	4-Chlorotoluene	10.000	10.065	-0.6	98	0.00
65	TMP	tert-Butylbenzene	10.000	10.686	-6.9	101	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.581	-5.8	101	0.00
67	TMP	sec-Butylbenzene	10.000	10.769	-7.7	101	0.00
68	TMP	p-Isopropyltoluene	10.000	10.837	-8.4	103	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.373	-3.7	98	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.178	-1.8	97	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.676	-6.8	104	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.396	-4.0	101	0.09
73	TMP	1,2,4-Trichlorobenzene	10.000	10.743	-7.4	105	0.00
74	TMP	Hexachlorobutadiene	10.000	11.591	-15.9	103	0.00
75	TMP	Naphthalene	10.000	10.549	-5.5	102	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.926	-9.3	101	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	103	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.281	-1.1	99	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.653	-18.9	115	0.02
5	TMP	Chloromethane	0.714	0.742	-3.9	103	0.00
6	TMP	Vinyl chloride	0.603	0.621	-3.0	105	0.00
7	TMP	Bromomethane	0.358	0.406	-13.4	117	0.00
8	TMP	Chloroethane	0.278	0.292	-5.0	102	0.00
9	TMP	Trichlorofluoromethane	0.767	0.753	1.8	104	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.03
11	TMP	Acetone	0.072	0.075	-4.2	110	0.00
12	TMP	1,1-Dichloroethene	0.297	0.287	3.4	101	0.00
13	TMP	Hexane	0.420	0.386	8.1	95	0.00
14	TMP	Methylene chloride	0.279	0.279	0.0	112	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.039	2.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.696	-0.6	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.269	6.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.948	3.2	99	0.00
19	TMP	1,1-Dichloroethane	0.524	0.518	1.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.288	1.0	103	0.00
21	TMP	2,2-Dichloropropane	0.330	0.292	11.5	92	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.298	4.8	98	0.00
23	TMP	Chloroform	0.473	0.461	2.5	98	0.00
24	TMP	2-Butanone (MEK)	0.246	0.252	-2.4	107	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.632	2.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.406	8.1	98	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.435	0.7	98	0.00
28	TMP	1,1-Dichloropropene	0.341	0.352	-3.2	106	0.00
29	TMP	Carbon tetrachloride	0.410	0.391	4.6	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.055	11.3	96	0.00
31	TMP	Benzene	1.048	1.019	2.8	100	0.00
32	TMP	Trichloroethene	0.329	0.312	5.2	100	0.00
33	TMP	1,2-Dichloropropane	0.295	0.269	8.8	99	0.00
34	TMP	Bromodichloromethane	0.351	0.355	-1.1	105	0.00
35	S	Toluene-d8	0.941	0.904	3.9	94	0.01
36	TMP	Dibromomethane	0.176	0.167	5.1	98	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.048	2.0	98	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.402	1.2	101	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
40	TMP	Toluene	0.859	0.827	3.7	99	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.455	5.2	94	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.248	5.3	98	0.00
43	TMP	2-Hexanone	0.381	0.386	-1.3	98	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS11\02-22-23\
Data File : 022228.D
Acq On : 22 Feb 2023 10:32 pm
Operator : LM
Sample : 10 ppb 8260 SCV 68-134C
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:15:21 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.445	-2.8	103	0.00
45	TMP	Tetrachloroethene	0.403	0.380	5.7	97	0.00
46	TMP	Dibromochloromethane	0.386	0.398	-3.1	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.337	0.9	99	0.00
48	TMP	Chlorobenzene	0.941	0.927	1.5	96	0.00
49	TMP	Ethylbenzene	1.632	1.548	5.1	99	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.352	7.4	95	0.00
51	TMP	m,p-Xylene	0.656	0.609	7.2	100	0.00
52	TMP	o-Xylene	0.643	0.621	3.4	100	0.00
53	TMP	Styrene	0.964	0.924	4.1	97	0.00
54	TMP	Isopropylbenzene	1.476	1.490	-0.9	98	0.00
55	TMP	Bromoform	0.315	0.289	8.3	95	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	0.00
57	S	4-Bromofluorobenzene	0.724	0.734	-1.4	98	0.00
58	TMP	n-Propylbenzene	2.900	3.043	-4.9	99	0.00
59	TMP	Bromobenzene	0.834	0.834	0.0	98	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.261	-5.8	99	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.673	-0.1	108	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.517	-1.6	100	0.00
63	TMP	2-Chlorotoluene	1.744	1.796	-3.0	99	0.00
64	TMP	4-Chlorotoluene	2.005	2.018	-0.6	98	0.00
65	TMP	tert-Butylbenzene	1.993	2.129	-6.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.349	-5.8	101	0.00
67	TMP	sec-Butylbenzene	2.802	3.018	-7.7	101	0.00
68	TMP	p-Isopropyltoluene	2.495	2.704	-8.4	103	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.540	-3.7	98	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.494	-1.8	97	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.521	-6.7	104	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.151	-4.1	101	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.243	-7.4	105	0.00
74	TMP	Hexachlorobutadiene	0.553	0.641	-15.9	103	0.00
75	TMP	Naphthalene	2.586	2.728	-5.5	102	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.155	-9.3	101	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	324265	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234400	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	138736	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	82805	9.177	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.80%				
30) 1,2-Dichloroethane-d4	4.36	102	17138	8.547	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 85.50%				
35) Toluene-d8	5.98	98	277343	9.087	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 90.90%				
57) 4-Bromofluorobenzene	8.38	95	104041	10.351	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 103.50%				
Target Compounds							Qvalue
2) Ethanol	1.86	45	490	No Calib			
4) Dichlorodifluoromethane	1.09	85	198849	11.167	ppb		100
5) Chloromethane	1.23	50	207442	8.955	ppb		96
6] Vinyl chloride	1.30	62	182824	9.348	ppb		94
7) Bromomethane	1.54	94	104879	9.031	ppb		98
8] Chloroethane	1.60	64	86022	9.534	ppb		98
9) Trichlorofluoromethane	1.77	101	224163	9.015	ppb		89
10) 2-Propanol	2.38	45	402	No Calib			
11) Acetone	2.26	58	101184	43.492	ppb	#	84
12] 1,1-Dichloroethene	2.19	96	83813	8.712	ppb		95
13) Hexane	3.05	57	135810	9.965	ppb		99
14) Methylene chloride	2.61	84	75778	8.385	ppb		91
15) t-Butyl alcohol (TBA)	2.73	59	58401	45.011	ppb		90
16] Methyl t-butyl ether (...	2.84	73	200343	8.931	ppb		98
17] trans-1,2-Dichloroethene	2.83	96	78655	9.447	ppb		95
18) Diisopropyl ether (DIPE)	3.24	45	284566	8.965	ppb		97
19] 1,1-Dichloroethane	3.18	63	151906	8.935	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	81433	8.617	ppb	#	83
21) 2,2-Dichloropropane	3.67	77	104670	10.922	ppb		99
22] cis-1,2-Dichloroethene	3.67	96	86499	9.241	ppb		89
23) Chloroform	3.94	83	136605	8.907	ppb		96
24) 2-Butanone (MEK)	3.70	43	400736	50.226	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	182656	8.676	ppb		99
26] 1,2-Dichloroethane (EDC)	4.41	62	120225	8.989	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	128466	9.051	ppb		92
28) 1,1-Dichloropropene	4.22	75	104591	9.446	ppb		94
29) Carbon tetrachloride	4.21	117	114316	8.598	ppb		98
31] Benzene	4.38	78	298198	8.771	ppb		96
32] Trichloroethene	4.93	95	87115	8.942	ppb		97
33) 1,2-Dichloropropane	5.13	63	80747	8.439	ppb		97
34) Bromodichloromethane	5.37	83	104824	9.215	ppb		92
36) Dibromomethane	5.23	93	52328	9.194	ppb		95

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

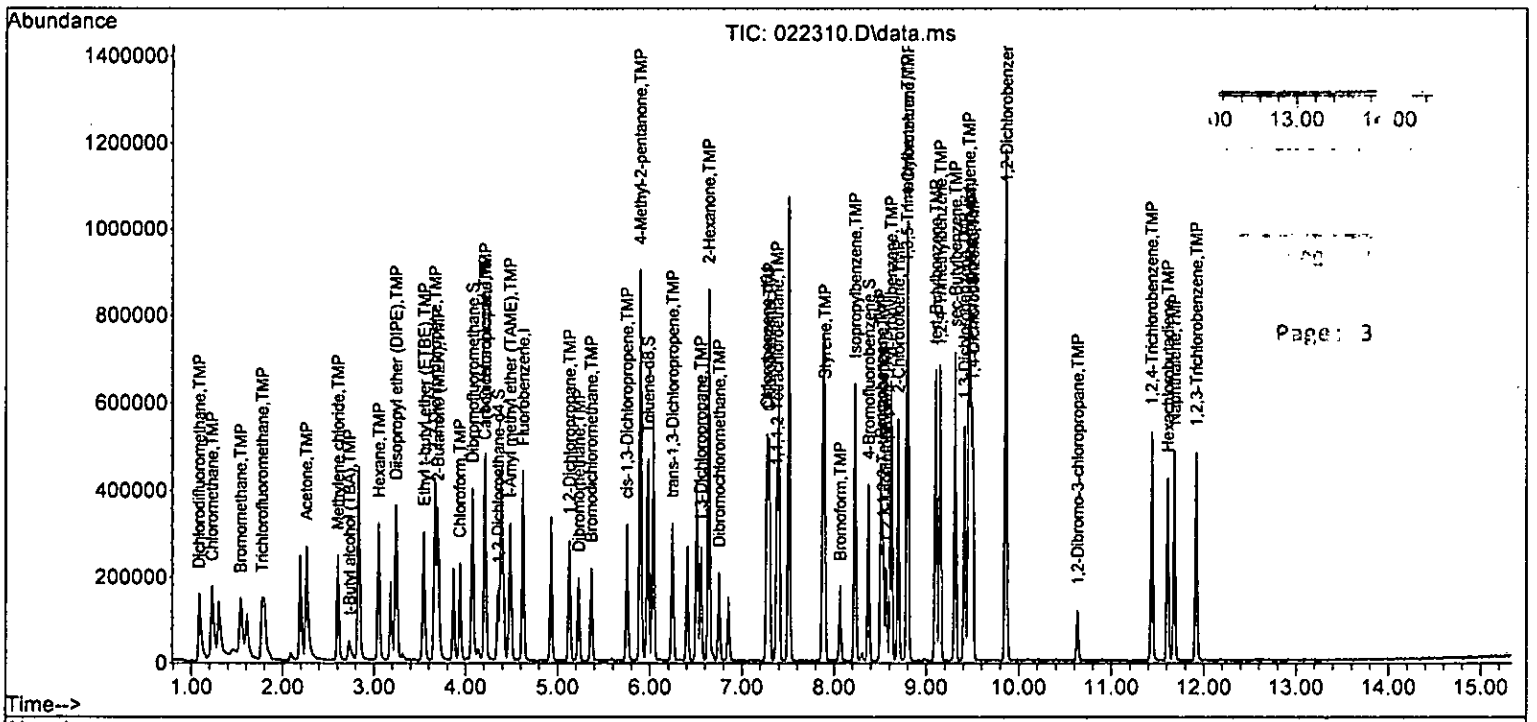
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	73040	45.948 ppb	#	79
38) cis-1,3-Dichloropropene	5.75	75	123404	9.355 ppb		97
40] Toluene	6.03	92	197769	9.825 ppb		100
41) trans-1,3-Dichloropropene	6.25	75	110171	9.798 ppb		98
42] 1,1,2-Trichloroethane	6.40	83	60878	9.906 ppb		98
43) 2-Hexanone	6.64	43	503146	56.334 ppb		98
44) 1,3-Dichloropropane	6.55	76	109082	10.753 ppb		96
45] Tetrachloroethene	6.51	164	93685	9.926 ppb		98
46) Dibromochloromethane	6.75	129	88372	9.768 ppb		99
47] 1,2-Dibromoethane (EDB)	6.85	107	81785	10.268 ppb		98
48) Chlorobenzene	7.29	112	225386	10.214 ppb		96
49] Ethylbenzene	7.40	91	374807	9.796 ppb		98
50) 1,1,1,2-Tetrachloroethane	7.38	131	87225	10.291 ppb		97
51] m,p-Xylene	7.51	106	295441	20.964 ppb		98
52] o-Xylene	7.88	106	148226	9.832 ppb		95
53) Styrene	7.90	104	229075	10.134 ppb		94
54) Isopropylbenzene	8.23	105	359709	10.398 ppb		99
55) Bromoform	8.07	173	72320	9.803 ppb		93
58) n-Propylbenzene	8.62	91	409083	10.169 ppb		99
59) Bromobenzene	8.51	156	114952	9.929 ppb		92
60) 1,3,5-Trimethylbenzene	8.79	105	302638	10.209 ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	100718	11.467 ppb		95
62) 1,2,3-Trichloropropane	8.56	75	71604	10.149 ppb		96
63) 2-Chlorotoluene	8.70	91	243999	10.083 ppb		95
64) 4-Chlorotoluene	8.80	91	276786	9.949 ppb		94
65) tert-Butylbenzene	9.10	119	284204	10.281 ppb		97
66) 1,2,4-Trimethylbenzene	9.15	105	317664	10.316 ppb		99
67) sec-Butylbenzene	9.31	105	404903	10.415 ppb		98
68) p-Isopropyltoluene	9.46	119	359536	10.387 ppb		98
69) 1,3-Dichlorobenzene	9.41	146	211448	10.267 ppb		97
70) 1,4-Dichlorobenzene	9.50	146	211046	10.363 ppb		96
71) 1,2-Dichlorobenzene	9.86	146	203567	10.296 ppb		99
72) 1,2-Dibromo-3-chloropr...	10.63	75	20995m	10.447 ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	160985	10.028 ppb		97
74) Hexachlorobutadiene	11.61	225	87170	11.355 ppb		94
75) Naphthalene	11.68	128	345950	9.643 ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	146594	9.994 ppb		97

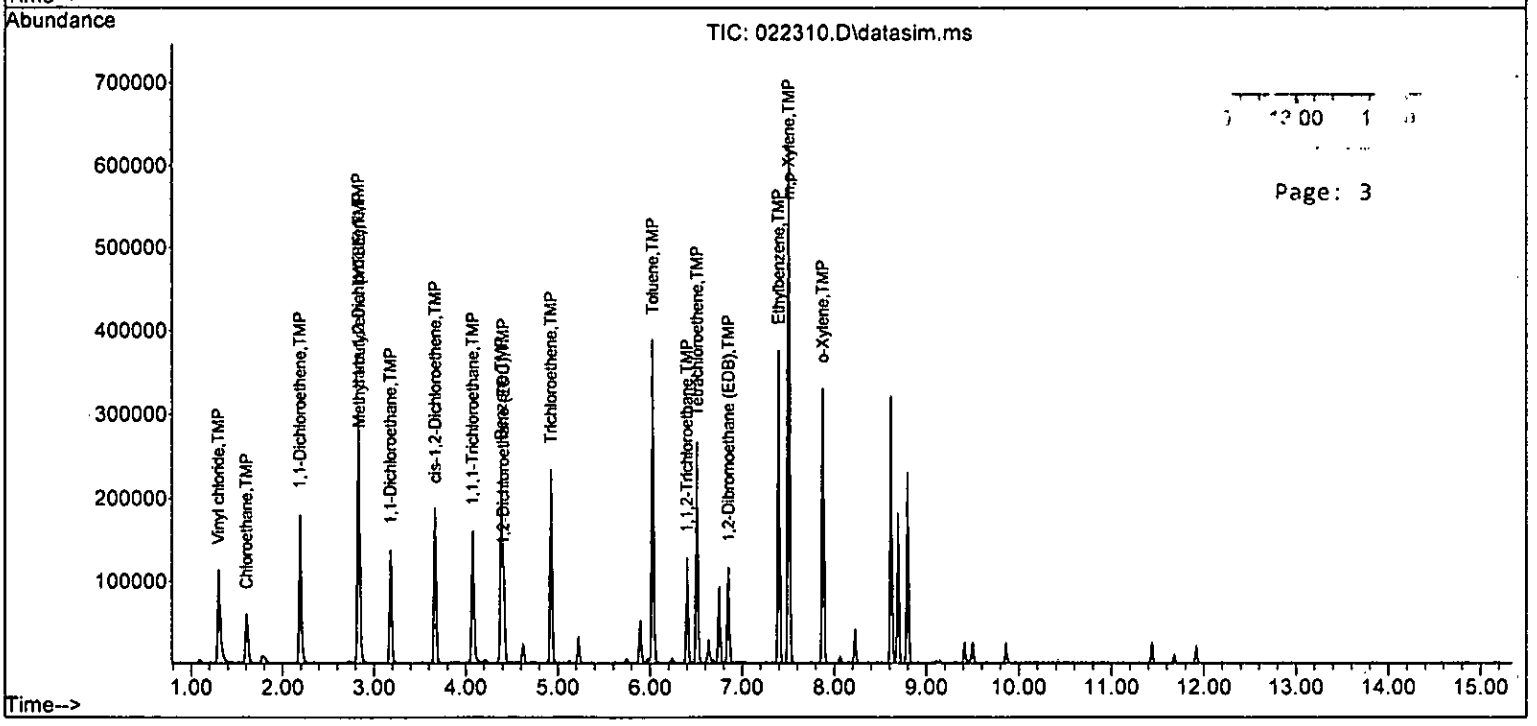
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	111	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.177	8.2	96	0.00
4	TMP	Dichlorodifluoromethane	10.000	11.167	-11.7	116	0.00
5	TMP	Chloromethane	10.000	8.955	10.4	96	0.00
6	TMP	Vinyl chloride	10.000	9.348	6.5	102	0.00
7	TMP	Bromomethane	10.000	9.031	9.7	100	0.00
8	TMP	Chloroethane	10.000	9.534	4.7	99	0.00
9	TMP	Trichlorofluoromethane	10.000	9.015	9.8	103	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	43.492	13.0	98	0.00
12	TMP	1,1-Dichloroethene	10.000	8.712	12.9	97	0.00
13	TMP	Hexane	10.000	9.965	0.4	111	0.00
14	TMP	Methylene chloride	10.000	8.385	16.2	101	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	45.011	10.0	98	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	8.931	10.7	94	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.447	5.5	98	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	8.965	10.4	99	0.00
19	TMP	1,1-Dichloroethane	10.000	8.935	10.6	97	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	8.617	13.8	96	0.00
21	TMP	2,2-Dichloropropane	10.000	10.922	-9.2	109	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.241	7.6	95	0.00
23	TMP	Chloroform	10.000	8.907	10.9	96	0.00
24	TMP	2-Butanone (MEK)	50.000	50.226	-0.5	113	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	8.676	13.2	95	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	8.989	10.1	96	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.051	9.5	96	0.00
28	TMP	1,1-Dichloropropene	10.000	9.446	5.5	104	0.00
29	TMP	Carbon tetrachloride	10.000	8.598	14.0	97	0.00
30	S	1,2-Dichloroethane-d4	10.000	8.547	14.5	99	0.00
31	TMP	Benzene	10.000	8.771	12.3	96	0.00
32	TMP	Trichloroethene	10.000	8.942	10.6	92	0.00
33	TMP	1,2-Dichloropropane	10.000	8.439	15.6	98	0.00
34	TMP	Bromodichloromethane	10.000	9.215	7.9	103	0.00
35	S	Toluene-d8	10.000	9.087	9.1	95	0.01
36	TMP	Dibromomethane	10.000	9.194	8.1	102	0.00
37	TMP	4-Methyl-2-pentanone	50.000	45.948	8.1	98	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.355	6.4	103	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40	TMP	Toluene	10.000	9.825	1.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.798	2.0	96	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.906	0.9	102	0.00
43	TMP	2-Hexanone	50.000	56.334	-12.7	108	0.00

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.753	-7.5	107	0.00
45	TMP	Tetrachloroethene	10.000	9.926	0.7	101	0.00
46	TMP	Dibromochloromethane	10.000	9.768	2.3	98	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.268	-2.7	101	0.00
48	TMP	Chlorobenzene	10.000	10.214	-2.1	99	0.00
49	TMP	Ethylbenzene	10.000	9.796	2.0	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.291	-2.9	99	0.00
51	TMP	m,p-Xylene	20.000	20.964	-4.8	102	0.00
52	TMP	o-Xylene	10.000	9.832	1.7	101	0.00
53	TMP	Styrene	10.000	10.134	-1.3	101	0.00
54	TMP	Isopropylbenzene	10.000	10.398	-4.0	99	0.00
55	TMP	Bromoform	10.000	9.803	2.0	101	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57	S	4-Bromofluorobenzene	10.000	10.351	-3.5	105	0.00
58	TMP	n-Propylbenzene	10.000	10.169	-1.7	100	0.00
59	TMP	Bromobenzene	10.000	9.929	0.7	102	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.209	-2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	11.467	-14.7	121	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.149	-1.5	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.083	-0.8	101	0.00
64	TMP	4-Chlorotoluene	10.000	9.949	0.5	101	0.00
65	TMP	tert-Butylbenzene	10.000	10.281	-2.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.316	-3.2	103	0.00
67	TMP	sec-Butylbenzene	10.000	10.415	-4.1	101	0.00
68	TMP	p-Isopropyltoluene	10.000	10.387	-3.9	103	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.267	-2.7	101	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.363	-3.6	103	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.296	-3.0	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.447	-4.5	106	0.09
73	TMP	1,2,4-Trichlorobenzene	10.000	10.028	-0.3	102	0.00
74	TMP	Hexachlorobutadiene	10.000	11.355	-13.6	105	0.00
75	TMP	Naphthalene	10.000	9.643	3.6	98	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.994	0.1	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	111	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.255	8.3	96	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.613	-11.7	116	0.00
5	TMP	Chloromethane	0.714	0.640	10.4	96	0.00
6	TMP	Vinyl chloride	0.603	0.564	6.5	102	0.00
7	TMP	Bromomethane	0.358	0.323	9.8	100	0.00
8	TMP	Chloroethane	0.278	0.265	4.7	99	0.00
9	TMP	Trichlorofluoromethane	0.767	0.691	9.9	103	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.062	13.9	98	0.00
12	TMP	1,1-Dichloroethene	0.297	0.258	13.1	97	0.00
13	TMP	Hexane	0.420	0.419	0.2	111	0.00
14	TMP	Methylene chloride	0.279	0.234	16.1	101	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.036	10.0	98	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.618	10.7	94	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.243	15.3	98	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.878	10.3	99	0.00
19	TMP	1,1-Dichloroethane	0.524	0.468	10.7	97	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.251	13.7	96	0.00
21	TMP	2,2-Dichloropropane	0.330	0.323	2.1	109	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.267	14.7	95	0.00
23	TMP	Chloroform	0.473	0.421	11.0	96	0.00
24	TMP	2-Butanone (MEK)	0.246	0.247	-0.4	113	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.563	13.3	95	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.371	16.1	96	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.396	9.6	96	0.00
28	TMP	1,1-Dichloropropene	0.341	0.323	5.3	104	0.00
29	TMP	Carbon tetrachloride	0.410	0.353	13.9	97	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.053	14.5	99	0.00
31	TMP	Benzene	1.048	0.920	12.2	96	0.00
32	TMP	Trichloroethene	0.329	0.269	18.2	92	0.00
33	TMP	1,2-Dichloropropane	0.295	0.249	15.6	98	0.00
34	TMP	Bromodichloromethane	0.351	0.323	8.0	103	0.00
35	S	Toluene-d8	0.941	0.855	9.1	95	0.01
36	TMP	Dibromomethane	0.176	0.161	8.5	102	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.045	8.2	98	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.381	6.4	103	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40	TMP	Toluene	0.859	0.844	1.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.470	2.1	96	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.260	0.8	102	0.00
43	TMP	2-Hexanone	0.381	0.429	-12.6	108	0.00

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.465	-7.4	107	0.00
45	TMP	Tetrachloroethene	0.403	0.400	0.7	101	0.00
46	TMP	Dibromochloromethane	0.386	0.377	2.3	98	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.349	-2.6	101	0.00
48	TMP	Chlorobenzene	0.941	0.962	-2.2	99	0.00
49	TMP	Ethylbenzene	1.632	1.599	2.0	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.372	2.1	99	0.00
51	TMP	m,p-Xylene	0.656	0.630	4.0	102	0.00
52	TMP	o-Xylene	0.643	0.632	1.7	101	0.00
53	TMP	Styrene	0.964	0.977	-1.3	101	0.00
54	TMP	Isopropylbenzene	1.476	1.535	-4.0	99	0.00
55	TMP	Bromoform	0.315	0.309	1.9	101	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57	S	4-Bromofluorobenzene	0.724	0.750	-3.6	105	0.00
58	TMP	n-Propylbenzene	2.900	2.949	-1.7	100	0.00
59	TMP	Bromobenzene	0.834	0.829	0.6	102	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.181	-2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.726	-8.0	121	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.516	-1.4	104	0.00
63	TMP	2-Chlorotoluene	1.744	1.759	-0.9	101	0.00
64	TMP	4-Chlorotoluene	2.005	1.995	0.5	101	0.00
65	TMP	tert-Butylbenzene	1.993	2.049	-2.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.290	-3.2	103	0.00
67	TMP	sec-Butylbenzene	2.802	2.919	-4.2	101	0.00
68	TMP	p-Isopropyltoluene	2.495	2.592	-3.9	103	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.524	-2.6	101	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.521	-3.6	103	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.467	-2.9	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.151	-4.1	106	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.160	-0.3	102	0.00
74	TMP	Hexachlorobutadiene	0.553	0.628	-13.6	105	0.00
75	TMP	Naphthalene	2.586	2.494	3.6	98	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.057	0.0	97	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (Not Reviewed)

Data Path : S:\Proc_GCMS11\02-23-23\
Data File : 022311.D
Acq On : 23 Feb 2023 12:11 pm
Operator : LM
Sample : rinse
Misc : water
ALS Vial : 100 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 13:51:54 2023
Quant Method : S:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.62	96	287444	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	218658	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	134567	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	83972	10.498	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.00%				
30) 1,2-Dichloroethane-d4	4.35	102	15783	8.880	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 88.80%				
35) Toluene-d8	5.97	98	262721	9.711	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 97.10%				
57) 4-Bromofluorobenzene	8.37	95	95026	9.747	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 97.50%				
Target Compounds							Qvalue
2) Ethanol	1.86	45	239	No Calib			
4) Dichlorodifluoromethane	1.09	85	399	N.D.			
5) Chloromethane	1.21	50	2765	N.D.			
6] Vinyl chloride	1.28	62	426	0.025	ppb		80
7) Bromomethane	1.56	94	1538	0.149	ppb	#	1
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.77	101	130	N.D.			
10) 2-Propanol	2.36	45	367	No Calib			
11) Acetone	2.27	58	615	N.D.			
12] 1,1-Dichloroethene	2.18	96	164	0.019	ppb	#	73
13) Hexane	3.03	57	515	N.D.			
14) Methylene chloride	2.60	84	56718	7.080	ppb	#	79
15) t-Butyl alcohol (TBA)	2.72	59	617	0.536	ppb		95
16) Methyl t-butyl ether (...	2.82	73	57	N.D.			
17) trans-1,2-Dichloroethene	2.82	96	203	N.D.			
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	3.17	63	121	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.65	77	148	Below Cal			53
22] cis-1,2-Dichloroethene	3.66	96	209	0.012	ppb	#	83
23) Chloroform	3.94	83	2439	0.179	ppb		75
24) 2-Butanone (MEK)	3.71	43	1111	0.157	ppb		95
25) t-Amyl methyl ether (T...	4.49	73	370	N.D.			
26] 1,2-Dichloroethane (EDC)	4.41	62	471	0.015	ppb		93
27) 1,1,1-Trichloroethane	4.07	97	80	N.D.			
28) 1,1-Dichloropropene	4.18	75	568	N.D.			
29) Carbon tetrachloride	4.19	117	117	N.D.			
31] Benzene	4.38	78	329	0.011	ppb		100
32] Trichloroethene	4.92	95	227	0.012	ppb		86
33) 1,2-Dichloropropane	5.04	63	427	N.D.			
34) Bromodichloromethane	5.37	83	243	N.D.			
36) Dibromomethane	5.22	93	179	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	53630	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	48801	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28627	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	17442	10.416	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.20%			
30) 1,2-Dichloroethane-d4	4.45	102	3440	10.347	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.50%			
35) Toluene-d8	6.10	98	51522	10.318	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	17546	9.941	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.40%			
Target Compounds						Qvalue
2) Ethanol	2.33	45	94	No Calib		
4) Dichlorodifluoromethane	1.11	85	50618	12.935	ppb	94
5) Chloromethane	1.25	50	28206	10.522	ppb	89
6] Vinyl chloride	1.33	62	30621	10.295	ppb	100
7) Bromomethane	1.57	94	28868	11.036	ppb	97
8] Chloroethane	1.66	64	15678	10.782	ppb	96
9) Trichlorofluoromethane	1.84	101	78550	11.100	ppb	99
10) 2-Propanol	2.33	45	94	No Calib	#	
11) Acetone	2.33	58	7711	63.960	ppb	99
12] 1,1-Dichloroethene	2.27	96	25252	10.696	ppb	94
13) Hexane	3.16	57	13924	11.262	ppb	99
14) Methylene chloride	2.69	84	12969	10.257	ppb	99
15) t-Butyl alcohol (TBA)	2.81	59	6069	54.575	ppb	99
16] Methyl t-butyl ether (...	2.93	73	31026	10.478	ppb	99
17] trans-1,2-Dichloroethene	2.92	96	15702	10.298	ppb	99
18) Diisopropyl ether (DIPE)	3.35	45	27109	10.504	ppb	99
19] 1,1-Dichloroethane	3.27	63	18437	10.517	ppb	100
20) Ethyl t-butyl ether (E...	3.66	87	15486	10.309	ppb	94
21) 2,2-Dichloropropane	3.76	77	17468	13.019	ppb	99
22] cis-1,2-Dichloroethene	3.77	96	17517	10.821	ppb	100
23) Chloroform	4.04	83	23463	10.183	ppb	95
24) 2-Butanone (MEK)	3.79	43	28803	60.290	ppb	99
25) t-Amyl methyl ether (T...	4.61	73	29380	10.612	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	15787	10.405	ppb	98
27] 1,1,1-Trichloroethane	4.19	97	25064	10.706	ppb	99
28) 1,1-Dichloropropene	4.33	75	16130	10.254	ppb	98
29) Carbon tetrachloride	4.33	117	27792	10.083	ppb	98
31] Benzene	4.50	78	48225	10.619	ppb	100
32] Trichloroethene	5.05	95	17358	10.310	ppb	99
33) 1,2-Dichloropropane	5.24	63	9761	10.527	ppb	100
34) Bromodichloromethane	5.48	83	16959	9.505	ppb	99
36) Dibromomethane	5.34	93	9953	10.825	ppb	98

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

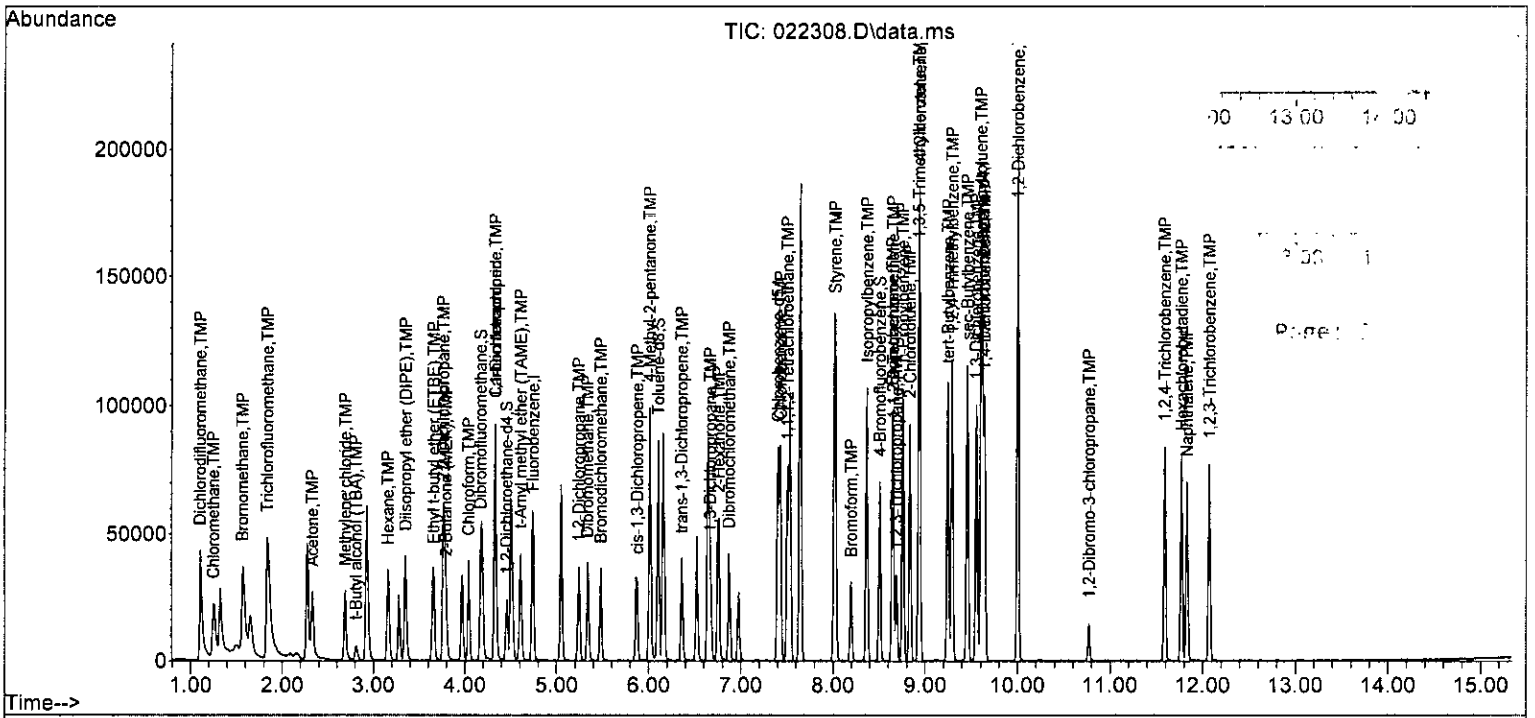
Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

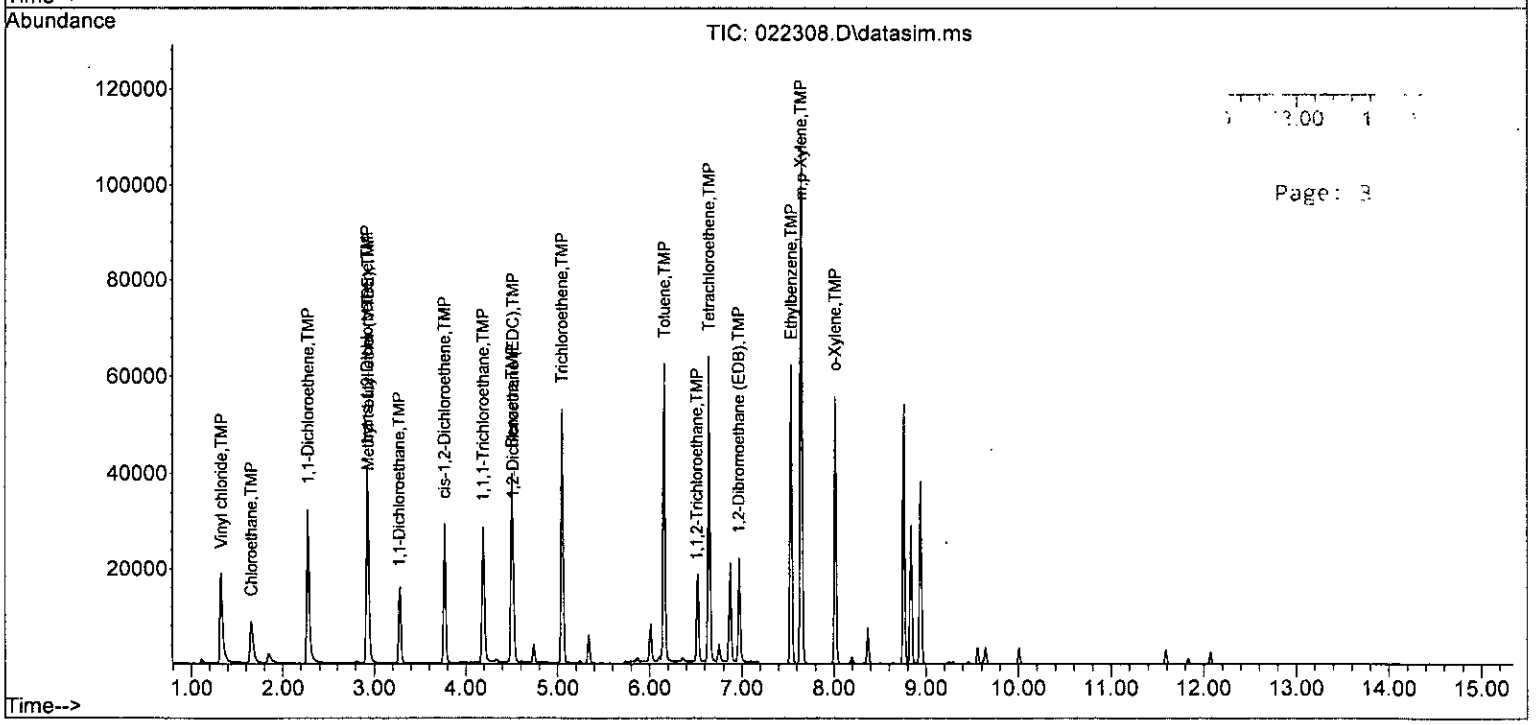
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	12701	55.115	ppb		92
38) cis-1,3-Dichloropropene	5.88	75	17848	10.873	ppb		94
40] Toluene	6.16	92	35800	10.375	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	16689	10.811	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	10264	10.368	ppb	#	69
43) 2-Hexanone	6.76	43	37827	53.693	ppb		98
44) 1,3-Dichloropropane	6.67	76	17328	10.448	ppb		95
45] Tetrachloroethene	6.65	164	21752	10.367	ppb		99
46) Dibromochloromethane	6.87	129	21739	10.191	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	16606	10.283	ppb		99
48) Chlorobenzene	7.43	112	49790	10.551	ppb		98
49] Ethylbenzene	7.54	91	66059	10.606	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	21337	11.185	ppb		97
51] m,p-Xylene	7.64	106	59274	21.592	ppb		80
52] o-Xylene	8.01	106	28707	10.780	ppb	#	77
53) Styrene	8.03	104	43090	10.331	ppb		100
54) Isopropylbenzene	8.37	105	69711	10.257	ppb		98
55) Bromoform	8.20	173	14357	9.989	ppb		93
58) n-Propylbenzene	8.76	91	70403	10.373	ppb		98
59) Bromobenzene	8.65	156	24676	10.058	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	57908	10.394	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	14983	10.799	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	10584	10.134	ppb		97
63) 2-Chlorotoluene	8.84	91	41705	10.856	ppb		98
64) 4-Chlorotoluene	8.94	91	48337	10.517	ppb		97
65) tert-Butylbenzene	9.25	119	60483	10.286	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	59532	10.447	ppb		98
67) sec-Butylbenzene	9.46	105	75631	10.437	ppb		98
68) p-Isopropyltoluene	9.60	119	74820	10.480	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	44478	10.125	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	44044	10.437	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	41482	9.977	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	2459	10.169	ppb		95
73) 1,2,4-Trichlorobenzene	11.59	180	27618	10.002	ppb		98
74) Hexachlorobutadiene	11.77	225	17020	9.910	ppb		97
75) Naphthalene	11.83	128	56853	11.032	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	24616	10.527	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	80	0.01
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.416	-4.2	89	0.00
4	TMP	Dichlorodifluoromethane	10.000	12.935	-29.4#	109	0.00
5	TMP	Chloromethane	10.000	10.522	-5.2	96	0.00
6	TMP	Vinyl chloride	10.000	10.295	-2.9	94	0.00
7	TMP	Bromomethane	10.000	11.036	-10.4	96	0.00
8	TMP	Chloroethane	10.000	10.782	-7.8	97	0.00
9	TMP	Trichlorofluoromethane	10.000	11.100	-11.0	95	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	127	-0.01
11	TMP	Acetone	50.000	63.960	-27.9#	109	0.00
12	TMP	1,1-Dichloroethene	10.000	10.696	-7.0	91	0.00
13	TMP	Hexane	10.000	11.262	-12.6	98	0.00
14	TMP	Methylene chloride	10.000	10.257	-2.6	87	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	54.575	-9.2	97	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.478	-4.8	92	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	10.298	-3.0	90	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	10.504	-5.0	90	0.00
19	TMP	1,1-Dichloroethane	10.000	10.517	-5.2	91	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.309	-3.1	95	0.00
21	TMP	2,2-Dichloropropane	10.000	13.019	-30.2#	125	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.821	-8.2	94	0.00
23	TMP	Chloroform	10.000	10.183	-1.8	88	0.00
24	TMP	2-Butanone (MEK)	50.000	60.290	-20.6#	101	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.612	-6.1	93	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.405	-4.0	90	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.706	-7.1	93	0.00
28	TMP	1,1-Dichloropropene	10.000	10.254	-2.5	91	0.00
29	TMP	Carbon tetrachloride	10.000	10.083	-0.8	96	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.347	-3.5	82	0.00
31	TMP	Benzene	10.000	10.619	-6.2	92	0.00
32	TMP	Trichloroethene	10.000	10.310	-3.1	87	0.00
33	TMP	1,2-Dichloropropane	10.000	10.527	-5.3	90	0.00
34	TMP	Bromodichloromethane	10.000	9.505	4.9	90	0.00
35	S	Toluene-d8	10.000	10.318	-3.2	90	0.00
36	TMP	Dibromomethane	10.000	10.825	-8.2	93	0.00
37	TMP	4-Methyl-2-pentanone	50.000	55.115	-10.2	95	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.873	-8.7	96	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	87	0.00
40	TMP	Toluene	10.000	10.375	-3.8	92	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.811	-8.1	99	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.368	-3.7	92	-0.01
43	TMP	2-Hexanone	50.000	53.693	-7.4	97	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.448	-4.5	97	0.00
45	TMP	Tetrachloroethene	10.000	10.367	-3.7	92	0.00
46	TMP	Dibromochloromethane	10.000	10.191	-1.9	94	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.283	-2.8	93	0.00
48	TMP	Chlorobenzene	10.000	10.551	-5.5	93	0.00
49	TMP	Ethylbenzene	10.000	10.606	-6.1	93	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	11.185	-11.9	99	0.00
51	TMP	m,p-Xylene	20.000	21.592	-8.0	94	0.00
52	TMP	o-Xylene	10.000	10.780	-7.8	94	0.00
53	TMP	Styrene	10.000	10.331	-3.3	92	0.00
54	TMP	Isopropylbenzene	10.000	10.257	-2.6	92	0.00
55	TMP	Bromoform	10.000	9.989	0.1	93	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	10.000	9.941	0.6	89	0.00
58	TMP	n-Propylbenzene	10.000	10.373	-3.7	93	0.00
59	TMP	Bromobenzene	10.000	10.058	-0.6	92	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.394	-3.9	93	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.799	-8.0	103	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.134	-1.3	93	0.00
63	TMP	2-Chlorotoluene	10.000	10.856	-8.6	93	0.00
64	TMP	4-Chlorotoluene	10.000	10.517	-5.2	95	0.00
65	TMP	tert-Butylbenzene	10.000	10.286	-2.9	93	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.447	-4.5	93	0.00
67	TMP	sec-Butylbenzene	10.000	10.437	-4.4	93	0.00
68	TMP	p-Isopropyltoluene	10.000	10.480	-4.8	93	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.125	-1.3	92	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.437	-4.4	95	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.977	0.2	91	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.169	-1.7	103	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.002	-0.0	96	0.00
74	TMP	Hexachlorobutadiene	10.000	9.910	0.9	92	0.00
75	TMP	Naphthalene	10.000	11.032	-10.3	102	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.527	-5.3	93	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	80	0.01
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.312	0.325	-4.2	89	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.944	-29.3#	109	0.00
5	TMP	Chloromethane	0.500	0.526	-5.2	96	0.00
6	TMP	Vinyl chloride	0.532	0.571	-7.3	94	0.00
7	TMP	Bromomethane	0.491	0.538	-9.6	96	0.00
8	TMP	Chloroethane	0.247	0.292	-18.2	97	0.00
9	TMP	Trichlorofluoromethane	1.319	1.465	-11.1	95	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	127	-0.01
11	TMP	Acetone	0.025	0.029	-16.0	109	0.00
12	TMP	1,1-Dichloroethene	0.440	0.471	-7.0	91	0.00
13	TMP	Hexane	0.231	0.260	-12.6	98	0.00
14	TMP	Methylene chloride	0.235	0.242	-3.0	87	0.00
15	TMP	t-Butyl alcohol (TBA)	0.021	0.023#	-9.5	97	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.579	-4.9	92	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.293	-3.2	90	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.505	-5.0	90	0.00
19	TMP	1,1-Dichloroethane	0.327	0.344	-5.2	91	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.289	-12.0	95	0.00
21	TMP	2,2-Dichloropropane	0.235	0.326	-38.7#	125	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.327	-8.3	94	0.00
23	TMP	Chloroform	0.430	0.437	-1.6	88	0.00
24	TMP	2-Butanone (MEK)	0.089	0.107	-20.2#	101	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.548	-6.2	93	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.294	2.3	90	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.467	-6.9	93	0.00
28	TMP	1,1-Dichloropropene	0.293	0.301	-2.7	91	0.00
29	TMP	Carbon tetrachloride	0.463	0.518	-11.9	96	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	82	0.00
31	TMP	Benzene	0.876	0.899	-2.6	92	0.00
32	TMP	Trichloroethene	0.338	0.324	4.1	87	0.00
33	TMP	1,2-Dichloropropane	0.173	0.182	-5.2	90	0.00
34	TMP	Bromodichloromethane	0.300	0.316	-5.3	90	0.00
35	S	Toluene-d8	0.931	0.961	-3.2	90	0.00
36	TMP	Dibromomethane	0.171	0.186	-8.8	93	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.047	-9.3	95	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.333	-7.8	96	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
40	TMP	Toluene	0.764	0.734	3.9	92	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.342	-8.2	99	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.210	-3.4	92	-0.01
43	TMP	2-Hexanone	0.144	0.155	-7.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022308.D
Acq On : 23 Feb 2023 08:12 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 08:25:51 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.355	-4.4	97	0.00
45	TMP	Tetrachloroethene	0.452	0.446	1.3	92	0.00
46	TMP	Dibromochloromethane	0.437	0.445	-1.8	94	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.340	-2.7	93	0.00
48	TMP	Chlorobenzene	0.967	1.020	-5.5	93	0.00
49	TMP	Ethylbenzene	1.331	1.354	-1.7	93	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.437	-11.8	99	0.00
51	TMP	m,p-Xylene	0.590	0.607	-2.9	94	0.00
52	TMP	o-Xylene	0.566	0.588	-3.9	94	0.00
53	TMP	Styrene	0.855	0.883	-3.3	92	0.00
54	TMP	Isopropylbenzene	1.393	1.428	-2.5	92	0.00
55	TMP	Bromoform	0.295	0.294	0.3	93	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
57	S	4-Bromofluorobenzene	0.617	0.613	0.6	89	0.00
58	TMP	n-Propylbenzene	2.371	2.459	-3.7	93	0.00
59	TMP	Bromobenzene	0.857	0.862	-0.6	92	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.023	-4.0	93	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.523	-10.6	103	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.370#	-1.4	93	0.00
63	TMP	2-Chlorotoluene	1.399	1.457	-4.1	93	0.00
64	TMP	4-Chlorotoluene	1.606	1.689	-5.2	95	0.00
65	TMP	tert-Butylbenzene	2.054	2.113	-2.9	93	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.080	-4.5	93	0.00
67	TMP	sec-Butylbenzene	2.531	2.642	-4.4	93	0.00
68	TMP	p-Isopropyltoluene	2.494	2.614	-4.8	93	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.554	-1.3	92	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.539	-4.4	95	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.449	0.2	91	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.086	-2.4	103	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.965	0.0	96	0.00
74	TMP	Hexachlorobutadiene	0.600	0.595	0.8	92	0.00
75	TMP	Naphthalene	1.920	1.986	-3.4	102	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.860	0.0	93	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	324265	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	234400	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	138736	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.08	113	82805	9.177	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.80%				
30) 1,2-Dichloroethane-d4	4.36	102	17138	8.547	ppb		0.00
Spiked Amount 10.000	Range 79 - 128		Recovery = 85.50%				
35) Toluene-d8	5.98	98	277343	9.087	ppb		0.01
Spiked Amount 10.000	Range 84 - 121		Recovery = 90.90%				
57) 4-Bromofluorobenzene	8.38	95	104041	10.351	ppb		0.00
Spiked Amount 10.000	Range 84 - 116		Recovery = 103.50%				
Target Compounds							Qvalue
2) Ethanol	1.86	45	490	No Calib			
4) Dichlorodifluoromethane	1.09	85	198849	11.167	ppb		100
5) Chloromethane	1.23	50	207442	8.955	ppb		96
6] Vinyl chloride	1.30	62	182824	9.348	ppb		94
7) Bromomethane	1.54	94	104879	9.031	ppb		98
8] Chloroethane	1.60	64	86022	9.534	ppb		98
9) Trichlorofluoromethane	1.77	101	224163	9.015	ppb		89
10) 2-Propanol	2.38	45	402	No Calib			
11) Acetone	2.26	58	101184	43.492	ppb	#	84
12] 1,1-Dichloroethene	2.19	96	83813	8.712	ppb		95
13) Hexane	3.05	57	135810	9.965	ppb		99
14) Methylene chloride	2.61	84	75778	8.385	ppb		91
15) t-Butyl alcohol (TBA)	2.73	59	58401	45.011	ppb		90
16] Methyl t-butyl ether (...	2.84	73	200343	8.931	ppb		98
17] trans-1,2-Dichloroethene	2.83	96	78655	9.447	ppb		95
18) Diisopropyl ether (DIPE)	3.24	45	284566	8.965	ppb		97
19] 1,1-Dichloroethane	3.18	63	151906	8.935	ppb		99
20) Ethyl t-butyl ether (E...	3.55	87	81433	8.617	ppb	#	83
21) 2,2-Dichloropropane	3.67	77	104670	10.922	ppb		99
22] cis-1,2-Dichloroethene	3.67	96	86499	9.241	ppb		89
23) Chloroform	3.94	83	136605	8.907	ppb		96
24) 2-Butanone (MEK)	3.70	43	400736	50.226	ppb		96
25) t-Amyl methyl ether (T...	4.49	73	182656	8.676	ppb		99
26] 1,2-Dichloroethane (EDC)	4.41	62	120225	8.989	ppb		99
27] 1,1,1-Trichloroethane	4.08	97	128466	9.051	ppb		92
28) 1,1-Dichloropropene	4.22	75	104591	9.446	ppb		94
29) Carbon tetrachloride	4.21	117	114316	8.598	ppb		98
31] Benzene	4.38	78	298198	8.771	ppb		96
32] Trichloroethene	4.93	95	87115	8.942	ppb		97
33) 1,2-Dichloropropane	5.13	63	80747	8.439	ppb		97
34) Bromodichloromethane	5.37	83	104824	9.215	ppb		92
36) Dibromomethane	5.23	93	52328	9.194	ppb		95

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

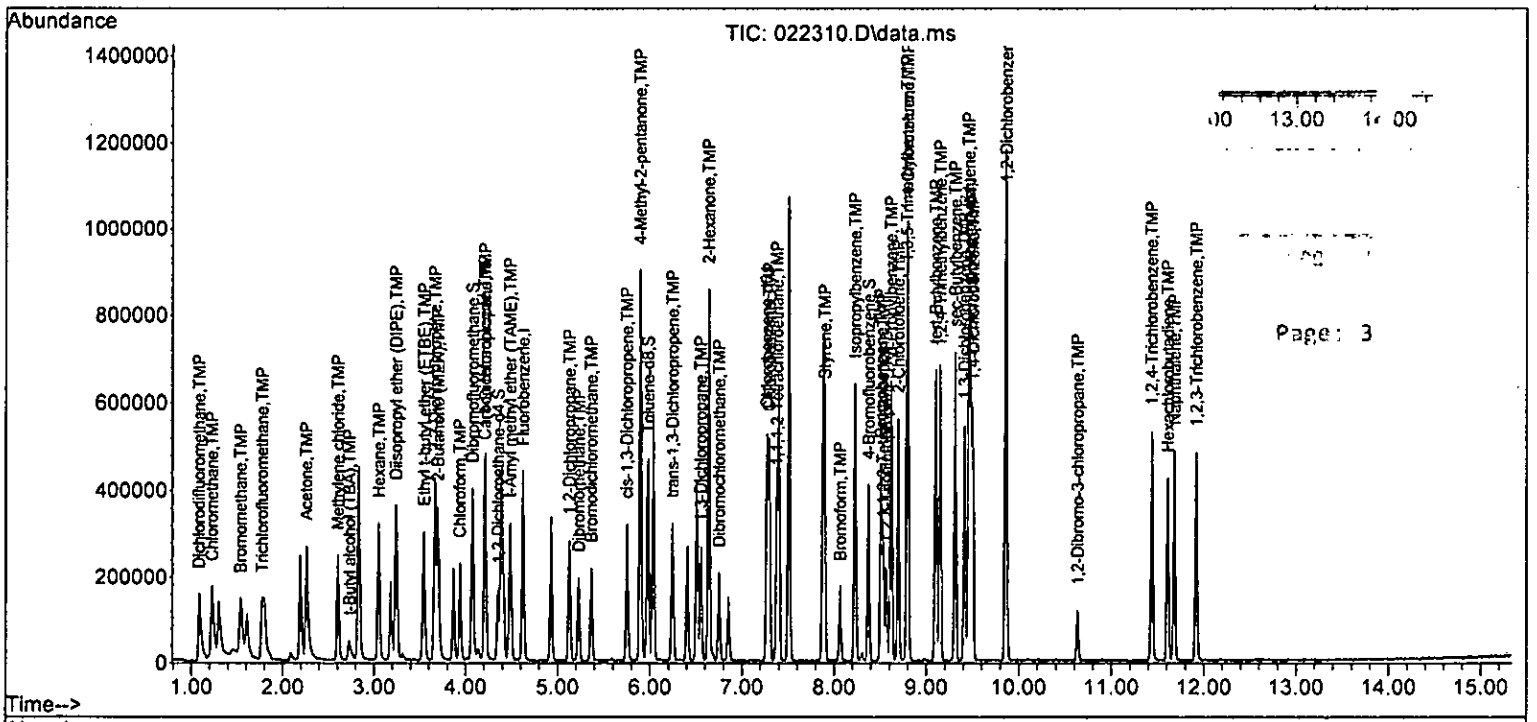
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	5.89	85	73040	45.948 ppb	#	79
38) cis-1,3-Dichloropropene	5.75	75	123404	9.355 ppb		97
40] Toluene	6.03	92	197769	9.825 ppb		100
41) trans-1,3-Dichloropropene	6.25	75	110171	9.798 ppb		98
42] 1,1,2-Trichloroethane	6.40	83	60878	9.906 ppb		98
43) 2-Hexanone	6.64	43	503146	56.334 ppb		98
44) 1,3-Dichloropropane	6.55	76	109082	10.753 ppb		96
45] Tetrachloroethene	6.51	164	93685	9.926 ppb		98
46) Dibromochloromethane	6.75	129	88372	9.768 ppb		99
47] 1,2-Dibromoethane (EDB)	6.85	107	81785	10.268 ppb		98
48) Chlorobenzene	7.29	112	225386	10.214 ppb		96
49] Ethylbenzene	7.40	91	374807	9.796 ppb		98
50) 1,1,1,2-Tetrachloroethane	7.38	131	87225	10.291 ppb		97
51] m,p-Xylene	7.51	106	295441	20.964 ppb		98
52] o-Xylene	7.88	106	148226	9.832 ppb		95
53) Styrene	7.90	104	229075	10.134 ppb		94
54) Isopropylbenzene	8.23	105	359709	10.398 ppb		99
55) Bromoform	8.07	173	72320	9.803 ppb		93
58) n-Propylbenzene	8.62	91	409083	10.169 ppb		99
59) Bromobenzene	8.51	156	114952	9.929 ppb		92
60) 1,3,5-Trimethylbenzene	8.79	105	302638	10.209 ppb		94
61) 1,1,2,2-Tetrachloroethane	8.53	83	100718	11.467 ppb		95
62) 1,2,3-Trichloropropane	8.56	75	71604	10.149 ppb		96
63) 2-Chlorotoluene	8.70	91	243999	10.083 ppb		95
64) 4-Chlorotoluene	8.80	91	276786	9.949 ppb		94
65) tert-Butylbenzene	9.10	119	284204	10.281 ppb		97
66) 1,2,4-Trimethylbenzene	9.15	105	317664	10.316 ppb		99
67) sec-Butylbenzene	9.31	105	404903	10.415 ppb		98
68) p-Isopropyltoluene	9.46	119	359536	10.387 ppb		98
69) 1,3-Dichlorobenzene	9.41	146	211448	10.267 ppb		97
70) 1,4-Dichlorobenzene	9.50	146	211046	10.363 ppb		96
71) 1,2-Dichlorobenzene	9.86	146	203567	10.296 ppb		99
72) 1,2-Dibromo-3-chloropr...	10.63	75	20995m	10.447 ppb		
73) 1,2,4-Trichlorobenzene	11.44	180	160985	10.028 ppb		97
74) Hexachlorobutadiene	11.61	225	87170	11.355 ppb		94
75) Naphthalene	11.68	128	345950	9.643 ppb		99
76) 1,2,3-Trichlorobenzene	11.92	180	146594	9.994 ppb		97

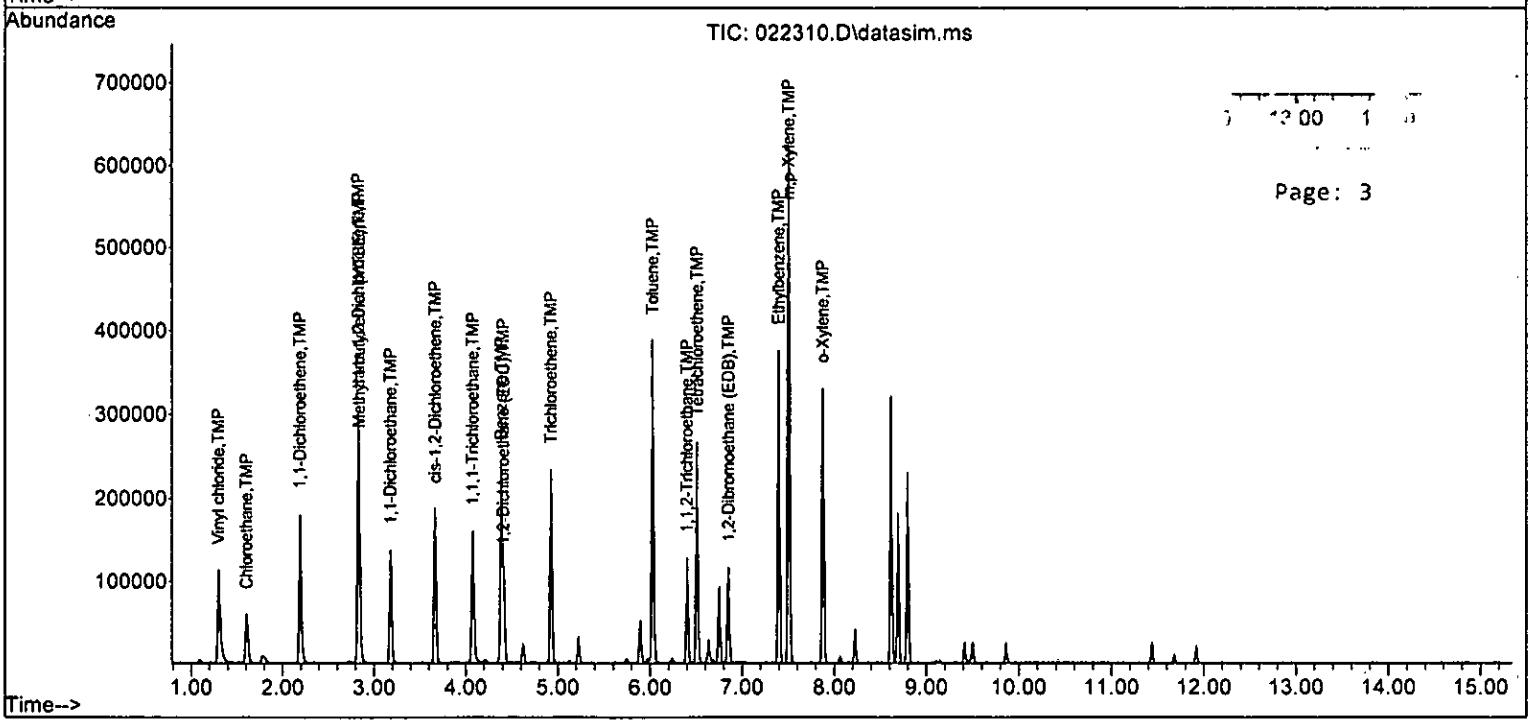
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	111	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.177	8.2	96	0.00
4	TMP	Dichlorodifluoromethane	10.000	11.167	-11.7	116	0.00
5	TMP	Chloromethane	10.000	8.955	10.4	96	0.00
6	TMP	Vinyl chloride	10.000	9.348	6.5	102	0.00
7	TMP	Bromomethane	10.000	9.031	9.7	100	0.00
8	TMP	Chloroethane	10.000	9.534	4.7	99	0.00
9	TMP	Trichlorofluoromethane	10.000	9.015	9.8	103	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	0.00
11	TMP	Acetone	50.000	43.492	13.0	98	0.00
12	TMP	1,1-Dichloroethene	10.000	8.712	12.9	97	0.00
13	TMP	Hexane	10.000	9.965	0.4	111	0.00
14	TMP	Methylene chloride	10.000	8.385	16.2	101	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	45.011	10.0	98	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	8.931	10.7	94	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.447	5.5	98	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	8.965	10.4	99	0.00
19	TMP	1,1-Dichloroethane	10.000	8.935	10.6	97	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	8.617	13.8	96	0.00
21	TMP	2,2-Dichloropropane	10.000	10.922	-9.2	109	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.241	7.6	95	0.00
23	TMP	Chloroform	10.000	8.907	10.9	96	0.00
24	TMP	2-Butanone (MEK)	50.000	50.226	-0.5	113	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	8.676	13.2	95	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	8.989	10.1	96	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.051	9.5	96	0.00
28	TMP	1,1-Dichloropropene	10.000	9.446	5.5	104	0.00
29	TMP	Carbon tetrachloride	10.000	8.598	14.0	97	0.00
30	S	1,2-Dichloroethane-d4	10.000	8.547	14.5	99	0.00
31	TMP	Benzene	10.000	8.771	12.3	96	0.00
32	TMP	Trichloroethene	10.000	8.942	10.6	92	0.00
33	TMP	1,2-Dichloropropane	10.000	8.439	15.6	98	0.00
34	TMP	Bromodichloromethane	10.000	9.215	7.9	103	0.00
35	S	Toluene-d8	10.000	9.087	9.1	95	0.01
36	TMP	Dibromomethane	10.000	9.194	8.1	102	0.00
37	TMP	4-Methyl-2-pentanone	50.000	45.948	8.1	98	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.355	6.4	103	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	96	0.00
40	TMP	Toluene	10.000	9.825	1.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.798	2.0	96	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.906	0.9	102	0.00
43	TMP	2-Hexanone	50.000	56.334	-12.7	108	0.00

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.753	-7.5	107	0.00
45	TMP	Tetrachloroethene	10.000	9.926	0.7	101	0.00
46	TMP	Dibromochloromethane	10.000	9.768	2.3	98	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.268	-2.7	101	0.00
48	TMP	Chlorobenzene	10.000	10.214	-2.1	99	0.00
49	TMP	Ethylbenzene	10.000	9.796	2.0	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.291	-2.9	99	0.00
51	TMP	m,p-Xylene	20.000	20.964	-4.8	102	0.00
52	TMP	o-Xylene	10.000	9.832	1.7	101	0.00
53	TMP	Styrene	10.000	10.134	-1.3	101	0.00
54	TMP	Isopropylbenzene	10.000	10.398	-4.0	99	0.00
55	TMP	Bromoform	10.000	9.803	2.0	101	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	98	0.00
57	S	4-Bromofluorobenzene	10.000	10.351	-3.5	105	0.00
58	TMP	n-Propylbenzene	10.000	10.169	-1.7	100	0.00
59	TMP	Bromobenzene	10.000	9.929	0.7	102	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.209	-2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	11.467	-14.7	121	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.149	-1.5	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.083	-0.8	101	0.00
64	TMP	4-Chlorotoluene	10.000	9.949	0.5	101	0.00
65	TMP	tert-Butylbenzene	10.000	10.281	-2.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.316	-3.2	103	0.00
67	TMP	sec-Butylbenzene	10.000	10.415	-4.1	101	0.00
68	TMP	p-Isopropyltoluene	10.000	10.387	-3.9	103	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.267	-2.7	101	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.363	-3.6	103	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.296	-3.0	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.447	-4.5	106	0.09
73	TMP	1,2,4-Trichlorobenzene	10.000	10.028	-0.3	102	0.00
74	TMP	Hexachlorobutadiene	10.000	11.355	-13.6	105	0.00
75	TMP	Naphthalene	10.000	9.643	3.6	98	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	9.994	0.1	97	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	111	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.278	0.255	8.3	96	0.00
4	TMP	Dichlorodifluoromethane	0.549	0.613	-11.7	116	0.00
5	TMP	Chloromethane	0.714	0.640	10.4	96	0.00
6	TMP	Vinyl chloride	0.603	0.564	6.5	102	0.00
7	TMP	Bromomethane	0.358	0.323	9.8	100	0.00
8	TMP	Chloroethane	0.278	0.265	4.7	99	0.00
9	TMP	Trichlorofluoromethane	0.767	0.691	9.9	103	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	0.00
11	TMP	Acetone	0.072	0.062	13.9	98	0.00
12	TMP	1,1-Dichloroethene	0.297	0.258	13.1	97	0.00
13	TMP	Hexane	0.420	0.419	0.2	111	0.00
14	TMP	Methylene chloride	0.279	0.234	16.1	101	0.00
15	TMP	t-Butyl alcohol (TBA)	0.040	0.036	10.0	98	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.692	0.618	10.7	94	0.00
17	TMP	trans-1,2-Dichloroethene	0.287	0.243	15.3	98	0.00
18	TMP	Diisopropyl ether (DIPE)	0.979	0.878	10.3	99	0.00
19	TMP	1,1-Dichloroethane	0.524	0.468	10.7	97	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.291	0.251	13.7	96	0.00
21	TMP	2,2-Dichloropropane	0.330	0.323	2.1	109	0.00
22	TMP	cis-1,2-Dichloroethene	0.313	0.267	14.7	95	0.00
23	TMP	Chloroform	0.473	0.421	11.0	96	0.00
24	TMP	2-Butanone (MEK)	0.246	0.247	-0.4	113	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.649	0.563	13.3	95	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.442	0.371	16.1	96	0.00
27	TMP	1,1,1-Trichloroethane	0.438	0.396	9.6	96	0.00
28	TMP	1,1-Dichloropropene	0.341	0.323	5.3	104	0.00
29	TMP	Carbon tetrachloride	0.410	0.353	13.9	97	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.053	14.5	99	0.00
31	TMP	Benzene	1.048	0.920	12.2	96	0.00
32	TMP	Trichloroethene	0.329	0.269	18.2	92	0.00
33	TMP	1,2-Dichloropropane	0.295	0.249	15.6	98	0.00
34	TMP	Bromodichloromethane	0.351	0.323	8.0	103	0.00
35	S	Toluene-d8	0.941	0.855	9.1	95	0.01
36	TMP	Dibromomethane	0.176	0.161	8.5	102	0.00
37	TMP	4-Methyl-2-pentanone	0.049	0.045	8.2	98	0.00
38	TMP	cis-1,3-Dichloropropene	0.407	0.381	6.4	103	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
40	TMP	Toluene	0.859	0.844	1.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.480	0.470	2.1	96	0.00
42	TMP	1,1,2-Trichloroethane	0.262	0.260	0.8	102	0.00
43	TMP	2-Hexanone	0.381	0.429	-12.6	108	0.00

Evaluate Continuing Calibration Report

Data Path : T:\GCMS11\GCMS11_Data\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 11:44 am
Operator : LM
Sample : 10 ppb 8260 CCV 67-136N
Misc : water/soil
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 23 11:53:09 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 10:59:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.15min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.433	0.465	-7.4	107	0.00
45	TMP	Tetrachloroethene	0.403	0.400	0.7	101	0.00
46	TMP	Dibromochloromethane	0.386	0.377	2.3	98	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.340	0.349	-2.6	101	0.00
48	TMP	Chlorobenzene	0.941	0.962	-2.2	99	0.00
49	TMP	Ethylbenzene	1.632	1.599	2.0	102	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.380	0.372	2.1	99	0.00
51	TMP	m,p-Xylene	0.656	0.630	4.0	102	0.00
52	TMP	o-Xylene	0.643	0.632	1.7	101	0.00
53	TMP	Styrene	0.964	0.977	-1.3	101	0.00
54	TMP	Isopropylbenzene	1.476	1.535	-4.0	99	0.00
55	TMP	Bromoform	0.315	0.309	1.9	101	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
57	S	4-Bromofluorobenzene	0.724	0.750	-3.6	105	0.00
58	TMP	n-Propylbenzene	2.900	2.949	-1.7	100	0.00
59	TMP	Bromobenzene	0.834	0.829	0.6	102	0.00
60	TMP	1,3,5-Trimethylbenzene	2.137	2.181	-2.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.672	0.726	-8.0	121	0.00
62	TMP	1,2,3-Trichloropropane	0.509	0.516	-1.4	104	0.00
63	TMP	2-Chlorotoluene	1.744	1.759	-0.9	101	0.00
64	TMP	4-Chlorotoluene	2.005	1.995	0.5	101	0.00
65	TMP	tert-Butylbenzene	1.993	2.049	-2.8	101	0.00
66	TMP	1,2,4-Trimethylbenzene	2.220	2.290	-3.2	103	0.00
67	TMP	sec-Butylbenzene	2.802	2.919	-4.2	101	0.00
68	TMP	p-Isopropyltoluene	2.495	2.592	-3.9	103	0.00
69	TMP	1,3-Dichlorobenzene	1.485	1.524	-2.6	101	0.00
70	TMP	1,4-Dichlorobenzene	1.468	1.521	-3.6	103	0.00
71	TMP	1,2-Dichlorobenzene	1.425	1.467	-2.9	105	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.145	0.151	-4.1	106	0.09
73	TMP	1,2,4-Trichlorobenzene	1.157	1.160	-0.3	102	0.00
74	TMP	Hexachlorobutadiene	0.553	0.628	-13.6	105	0.00
75	TMP	Naphthalene	2.586	2.494	3.6	98	0.00
76	TMP	1,2,3-Trichlorobenzene	1.057	1.057	0.0	97	0.00

(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	42788	10.000 ppb		0.00
39) Chlorobenzene-d5	7.40	117	39841	10.000 ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22398	10.000 ppb		0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	13877	10.387 ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2661	10.032 ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.30%			
35) Toluene-d8	6.11	98	42461	10.658 ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.60%			
57) 4-Bromofluorobenzene	8.51	95	14409	10.434 ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 104.30%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	38	No Calib		
4) Dichlorodifluoromethane	1.10	85	38754	12.412 ppb		99
5) Chloromethane	1.24	50	21384	9.998 ppb		84
6] Vinyl chloride	1.31	62	23331	9.832 ppb		91
7) Bromomethane	1.55	94	20114	9.594 ppb		98
8] Chloroethane	1.64	64	11559	9.973 ppb		96
9) Trichlorofluoromethane	1.83	101	61499	10.893 ppb		95
10) 2-Propanol	2.32	45	38	No Calib		
11) Acetone	2.32	58	5299	55.030 ppb		95
12] 1,1-Dichloroethene	2.26	96	19795	10.509 ppb		99
13) Hexane	3.15	57	10881	11.030 ppb		98
14) Methylene chloride	2.68	84	9752	9.683 ppb		95
15) t-Butyl alcohol (TBA)	2.81	59	4756	53.605 ppb		88
16] Methyl t-butyl ether (...	2.92	73	26024	11.016 ppb		99
17] trans-1,2-Dichloroethene	2.91	96	12748	10.479 ppb		98
18) Diisopropyl ether (DIPE)	3.34	45	21613	10.496 ppb		99
19] 1,1-Dichloroethane	3.27	63	14729	10.531 ppb		93
20) Ethyl t-butyl ether (E...	3.65	87	12100	10.098 ppb		97
21) 2,2-Dichloropropane	3.76	77	11324	10.594 ppb		95
22] cis-1,2-Dichloroethene	3.77	96	13882	10.749 ppb		89
23) Chloroform	4.04	83	18749	10.199 ppb		99
24) 2-Butanone (MEK)	3.78	43	21097	55.349 ppb		96
25) t-Amyl methyl ether (T...	4.60	73	23663	10.712 ppb		98
26] 1,2-Dichloroethane (EDC)	4.52	62	12066	9.966 ppb		94
27] 1,1,1-Trichloroethane	4.19	97	20254	10.844 ppb		92
28) 1,1-Dichloropropene	4.32	75	13008	10.365 ppb		95
29) Carbon tetrachloride	4.32	117	20884	9.505 ppb		95
31] Benzene	4.50	78	38701	10.681 ppb		96
32] Trichloroethene	5.04	95	13895	10.345 ppb	#	77
33) 1,2-Dichloropropane	5.24	63	8081	10.923 ppb		98
34) Bromodichloromethane	5.48	83	13538	9.510 ppb		97
36) Dibromomethane	5.34	93	7579	10.331 ppb		94

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

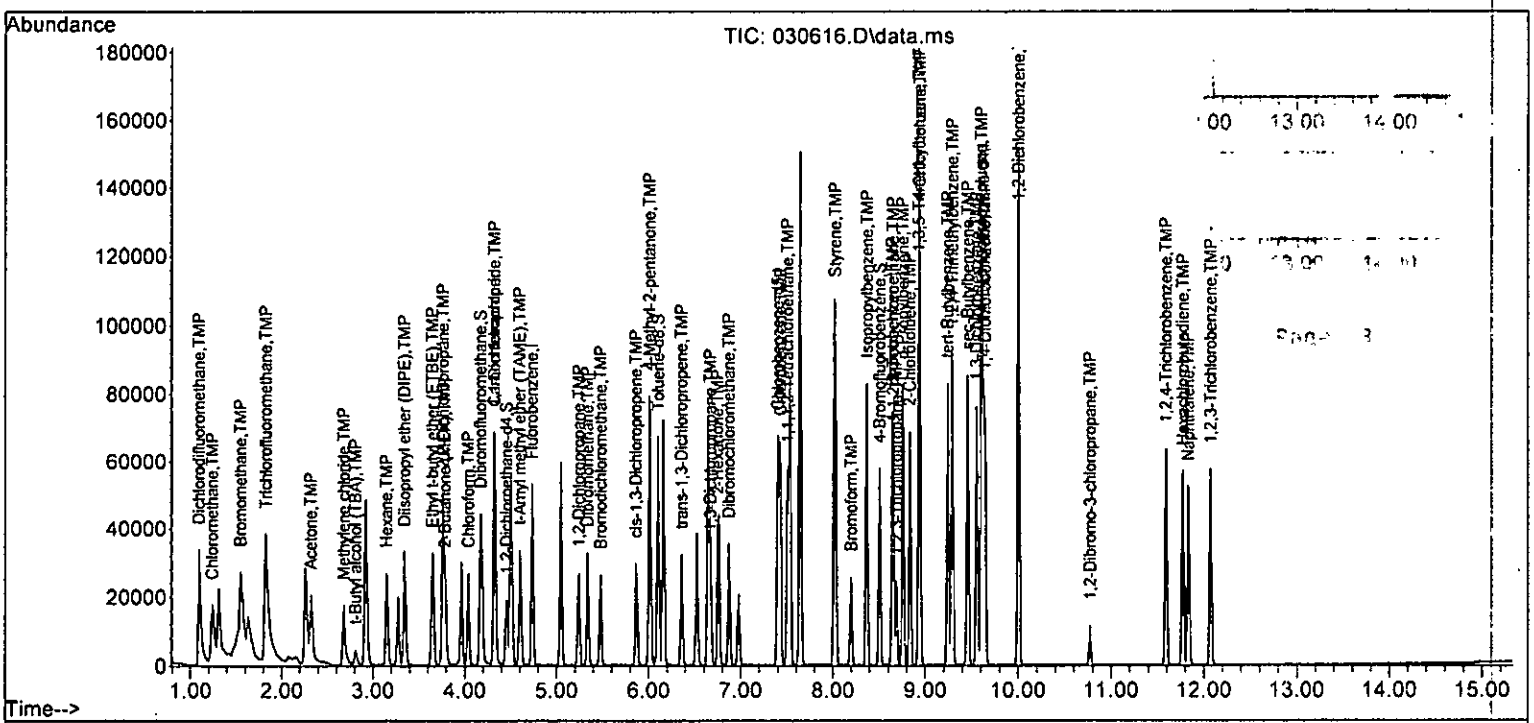
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	9835	53.493	ppb		96
38) cis-1,3-Dichloropropene	5.86	75	14339	10.948	ppb		96
40] Toluene	6.16	92	28876	10.250	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	12785	10.145	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	8077	9.994	ppb	#	69
43) 2-Hexanone	6.75	43	28673	49.852	ppb		98
44) 1,3-Dichloropropane	6.67	76	13846	10.226	ppb		93
45] Tetrachloroethene	6.65	164	17285	10.091	ppb		99
46) Dibromochloromethane	6.87	129	18180	10.440	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	13637	10.344	ppb		98
48) Chlorobenzene	7.43	112	38762	10.061	ppb		100
49] Ethylbenzene	7.54	91	52617	10.347	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	16478	10.581	ppb		98
51] m,p-Xylene	7.65	106	46710	20.842	ppb		99
52] o-Xylene	8.01	106	22519	10.358	ppb	#	77
53) Styrene	8.03	104	35039	10.290	ppb		99
54) Isopropylbenzene	8.37	105	55277	9.962	ppb		99
55) Bromoform	8.20	173	11611	9.896	ppb		95
58) n-Propylbenzene	8.76	91	55099	10.376	ppb		99
59) Bromobenzene	8.65	156	19010	9.904	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	44698	10.255	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	11101	10.228	ppb		93
62) 1,2,3-Trichloropropane	8.69	75	7815	9.563	ppb		96
63) 2-Chlorotoluene	8.84	91	31482	10.472	ppb		98
64) 4-Chlorotoluene	8.94	91	36839	10.244	ppb		99
65) tert-Butylbenzene	9.24	119	45640	9.921	ppb		97
66) 1,2,4-Trimethylbenzene	9.29	105	45365	10.174	ppb		98
67) sec-Butylbenzene	9.46	105	56720	10.004	ppb		100
68) p-Isopropyltoluene	9.60	119	56307	10.080	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	32926	9.580	ppb		97
70) 1,4-Dichlorobenzene	9.64	146	32748	9.918	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	30802	9.469	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	1831	9.678	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	20523	9.500	ppb		96
74) Hexachlorobutadiene	11.77	225	12662	9.422	ppb		96
75) Naphthalene	11.83	128	43694	10.841	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	18443	10.089	ppb		99

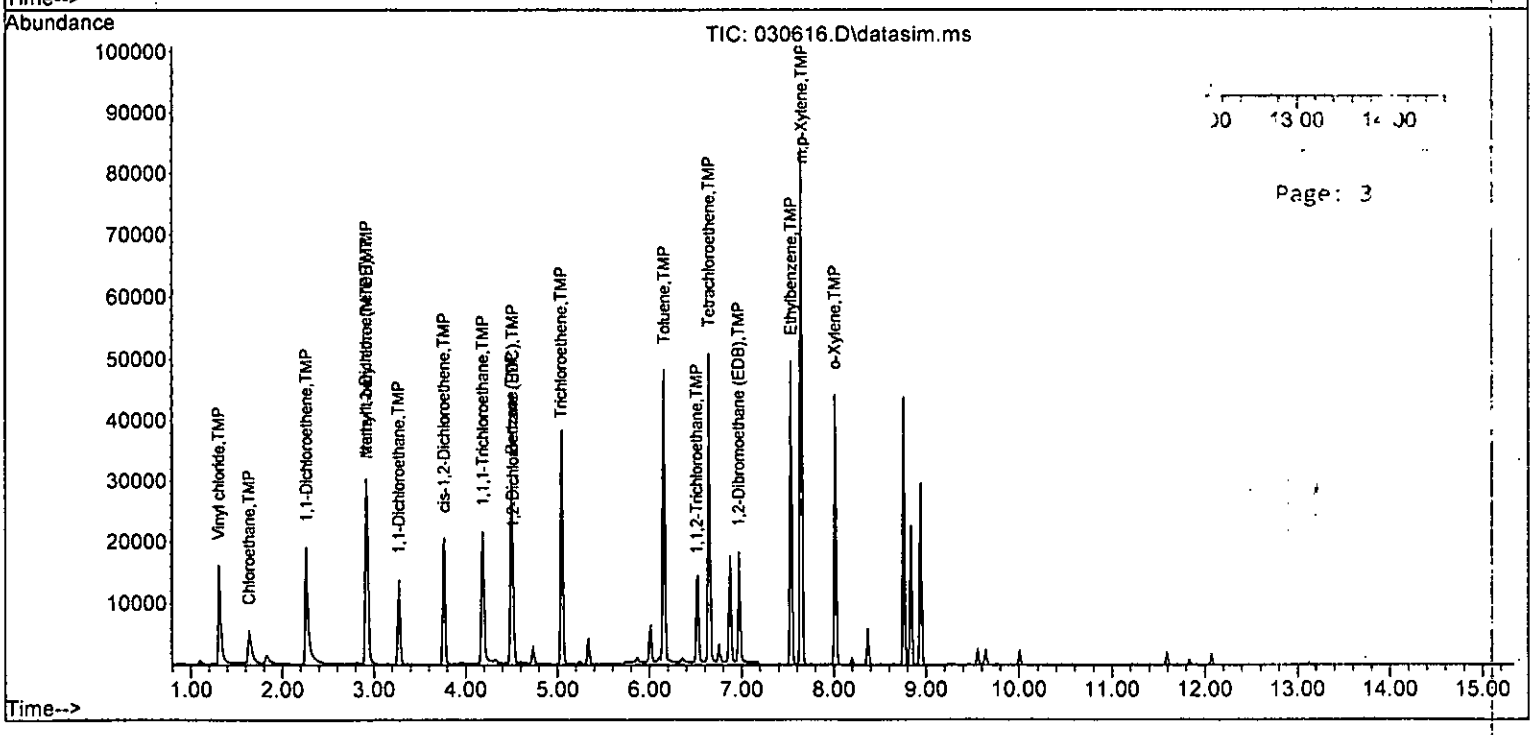
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	64	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.387	-3.9	70	0.00
4	TMP	Dichlorodifluoromethane	10.000	12.412	-24.1#	83	-0.01
5	TMP	Chloromethane	10.000	9.998	0.0	72	-0.01
6	TMP	Vinyl chloride	10.000	9.832	1.7	72	-0.02
7	TMP	Bromomethane	10.000	9.594	4.1	67	-0.02
8	TMP	Chloroethane	10.000	9.973	0.3	72	-0.02
9	TMP	Trichlorofluoromethane	10.000	10.893	-8.9	74	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	51	-0.02
11	TMP	Acetone	50.000	55.030	-10.1	75	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.509	-5.1	72	-0.01
13	TMP	Hexane	10.000	11.030	-10.3	77	-0.01
14	TMP	Methylene chloride	10.000	9.683	3.2	65	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	53.605	-7.2	76	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	11.016	-10.2	77	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.479	-4.8	73	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	10.496	-5.0	72	-0.01
19	TMP	1,1-Dichloroethane	10.000	10.531	-5.3	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	10.098	-1.0	74	-0.01
21	TMP	2,2-Dichloropropane	10.000	10.594	-5.9	81	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.749	-7.5	74	0.00
23	TMP	Chloroform	10.000	10.199	-2.0	70	0.00
24	TMP	2-Butanone (MEK)	50.000	55.349	-10.7	74	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.712	-7.1	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.966	0.3	69	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.844	-8.4	75	0.00
28	TMP	1,1-Dichloropropene	10.000	10.365	-3.7	74	-0.01
29	TMP	Carbon tetrachloride	10.000	9.505	4.9	72	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.032	-0.3	64	0.00
31	TMP	Benzene	10.000	10.681	-6.8	73	0.00
32	TMP	Trichloroethene	10.000	10.345	-3.5	69	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.923	-9.2	74	0.00
34	TMP	Bromodichloromethane	10.000	9.510	4.9	72	0.00
35	S	Toluene-d8	10.000	10.658	-6.6	74	0.00
36	TMP	Dibromomethane	10.000	10.331	-3.3	71	0.00
37	TMP	4-Methyl-2-pentanone	50.000	53.493	-7.0	74	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.948	-9.5	78	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	71	0.00
40	TMP	Toluene	10.000	10.250	-2.5	74	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.145	-1.4	76	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.994	0.1	73	-0.01
43	TMP	2-Hexanone	50.000	49.852	0.3	73	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	10.226	-2.3	77	0.00
45	TMP	Tetrachloroethene	10.000	10.091	-0.9	73	0.00
46	TMP	Dibromochloromethane	10.000	10.440	-4.4	78	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.344	-3.4	77	0.00
48	TMP	Chlorobenzene	10.000	10.061	-0.6	72	0.00
49	TMP	Ethylbenzene	10.000	10.347	-3.5	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.581	-5.8	77	0.00
51	TMP	m,p-Xylene	20.000	20.842	-4.2	74	0.00
52	TMP	o-Xylene	10.000	10.358	-3.6	74	0.00
53	TMP	Styrene	10.000	10.290	-2.9	75	0.00
54	TMP	Isopropylbenzene	10.000	9.962	0.4	73	0.00
55	TMP	Bromoform	10.000	9.896	1.0	75	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	70	0.00
57	S	4-Bromofluorobenzene	10.000	10.434	-4.3	73	0.00
58	TMP	n-Propylbenzene	10.000	10.376	-3.8	73	0.00
59	TMP	Bromobenzene	10.000	9.904	1.0	71	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.255	-2.6	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.228	-2.3	76	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.563	4.4	69	0.00
63	TMP	2-Chlorotoluene	10.000	10.472	-4.7	70	0.00
64	TMP	4-Chlorotoluene	10.000	10.244	-2.4	73	0.00
65	TMP	tert-Butylbenzene	10.000	9.921	0.8	70	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.174	-1.7	71	0.00
67	TMP	sec-Butylbenzene	10.000	10.004	-0.0	70	0.00
68	TMP	p-Isopropyltoluene	10.000	10.080	-0.8	70	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.580	4.2	68	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.918	0.8	71	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.469	5.3	68	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.678	3.2	77	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.500	5.0	71	0.00
74	TMP	Hexachlorobutadiene	10.000	9.422	5.8	68	0.00
75	TMP	Naphthalene	10.000	10.841	-8.4	78	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.089	-0.9	69	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	64	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.324	-3.8	70	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.906	-24.1#	83	-0.01
5	TMP	Chloromethane	0.500	0.500	0.0	72	-0.01
6	TMP	Vinyl chloride	0.532	0.545	-2.4	72	-0.02
7	TMP	Bromomethane	0.491	0.470	4.3	67	-0.02
8	TMP	Chloroethane	0.247	0.270	-9.3	72	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.437	-8.9	74	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	51	-0.02
11	TMP	Acetone	0.025	0.025	0.0	75	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.463	-5.2	72	-0.01
13	TMP	Hexane	0.231	0.254	-10.0	77	-0.01
14	TMP	Methylene chloride	0.235	0.228	3.0	65	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	76	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.608	-10.1	77	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.298	-4.9	73	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.505	-5.0	72	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.344	-5.2	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.283	-9.7	74	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.265	-12.8	81	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.324	-7.3	74	0.00
23	TMP	Chloroform	0.430	0.438	-1.9	70	0.00
24	TMP	2-Butanone (MEK)	0.089	0.099	-11.2	74	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.553	-7.2	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.282	6.3	69	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.473	-8.2	75	0.00
28	TMP	1,1-Dichloropropene	0.293	0.304	-3.8	74	-0.01
29	TMP	Carbon tetrachloride	0.463	0.488	-5.4	72	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	64	0.00
31	TMP	Benzene	0.876	0.904	-3.2	73	0.00
32	TMP	Trichloroethene	0.338	0.325	3.8	69	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.189	-9.2	74	0.00
34	TMP	Bromodichloromethane	0.300	0.316	-5.3	72	0.00
35	S	Toluene-d8	0.931	0.992	-6.6	74	0.00
36	TMP	Dibromomethane	0.171	0.177	-3.5	71	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	74	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.335	-8.4	78	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
40	TMP	Toluene	0.764	0.725	5.1	74	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.321	-1.6	76	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	73	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	73	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030616.D
Acq On : 06 Mar 2023 01:45 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 16:53:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	77	0.00
45	TMP	Tetrachloroethene	0.452	0.434	4.0	73	0.00
46	TMP	Dibromochloromethane	0.437	0.456	-4.3	78	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.342	-3.3	77	0.00
48	TMP	Chlorobenzene	0.967	0.973	-0.6	72	0.00
49	TMP	Ethylbenzene	1.331	1.321	0.8	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.414	-5.9	77	0.00
51	TMP	m,p-Xylene	0.590	0.586	0.7	74	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	74	0.00
53	TMP	Styrene	0.855	0.879	-2.8	75	0.00
54	TMP	Isopropylbenzene	1.393	1.387	0.4	73	0.00
55	TMP	Bromoform	0.295	0.291	1.4	75	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
57	S	4-Bromofluorobenzene	0.617	0.643	-4.2	73	0.00
58	TMP	n-Propylbenzene	2.371	2.460	-3.8	73	0.00
59	TMP	Bromobenzene	0.857	0.849	0.9	71	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.996	-2.6	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.496#	-4.9	76	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.349#	4.4	69	0.00
63	TMP	2-Chlorotoluene	1.399	1.406	-0.5	70	0.00
64	TMP	4-Chlorotoluene	1.606	1.645	-2.4	73	0.00
65	TMP	tert-Butylbenzene	2.054	2.038	0.8	70	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.025	-1.7	71	0.00
67	TMP	sec-Butylbenzene	2.531	2.532	-0.0	70	0.00
68	TMP	p-Isopropyltoluene	2.494	2.514	-0.8	70	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.470	4.2	68	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.462	0.8	71	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.375	5.3	68	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.082	2.4	77	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.916	5.1	71	0.00
74	TMP	Hexachlorobutadiene	0.600	0.565	5.8	68	0.00
75	TMP	Naphthalene	1.920	1.951	-1.6	78	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.823	4.3	69	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

EPA 8260D
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst13\VB021423ms13.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration

Non-Spiked Sample: 022312.D

	Spike Sample	Spike Duplicate Sample
File ID :	022309.D	022310.D
Sample :	03-0348 lcs rr	03-0348 lcsd rr
Acq Time:	23 Feb 2023 08:35 am	23 Feb 2023 08:59 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	11	11	115	114	1	20	70-130
Chloromethane	0.1	10	11	11	104	105	1	20	70-130
Vinyl chloride	0.0	10	10	10	101	100	1	20	70-130
Bromomethane	0.0	10	12	11	117	114	3	20	28-182
Chloroethane	0.0	10	11	11	111	108	3	20	70-130
Trichlorofluorometha	0.0	10	11	11	115	110	4	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.0	50	51	53	102	106	4	20	42-155
1,1-Dichloroethene	0.0	10	11	11	110	107	3	20	42-155
Hexane	0.0	10	11	11	112	109	3	20	50-161
Methylene chloride	1.6	10	12	12	104	103	1	20	29-192
t-Butyl alcohol (TBA	0.0	50	54	55	107	110	2	20	49-206
Methyl t-butyl ether	0.0	10	11	11	106	106	0	20	70-130
trans-1,2-Dichloroet	0.0	10	11	10	107	104	3	20	70-130
Diisopropyl ether (D	0.0	10	11	11	107	106	1	20	70-130
1,1-Dichloroethane	0.0	10	11	10	108	105	3	20	70-130
Ethyl t-butyl ether	0.0	10	10	10	101	103	1	20	70-130
2,2-Dichloropropane	0.0	10	13	12	129	115	11	20	70-130
cis-1,2-Dichloroethe	0.0	10	11	11	108	105	2	20	70-130
Chloroform	0.0	10	10	10	103	102	1	20	70-130
2-Butanone (MEK)	0.0	50	55	54	110	109	1	20	50-157
t-Amyl methyl ether	0.0	10	11	11	106	107	1	20	70-130
1,2-Dichloroethane (D	0.0	10	11	10	105	102	3	20	70-130
1,1,1-Trichloroethan	0.0	10	11	11	110	108	2	20	70-130
1,1-Dichloropropene	0.0	10	11	11	107	105	2	20	70-130
Carbon tetrachloride	0.0	10	10	10	102	100	2	20	70-130
Benzene	0.0	10	11	10	108	105	2	20	70-130
Trichloroethene	0.0	10	11	10	105	103	2	20	70-130
1,2-Dichloropropane	0.0	10	11	11	108	110	2	20	70-130
Bromodichloromethane	0.0	10	10	10	97	98	2	20	70-130
Dibromomethane	0.0	10	10	11	104	107	3	20	70-130
4-Methyl-2-pentanone	0.0	50	54	53	109	105	3	20	70-130
cis-1,3-Dichloroprop	0.0	10	11	10	108	105	3	20	70-130
Toluene	0.0	10	10	10	101	101	0	20	70-130
trans-1,3-Dichloropr	0.0	10	10	11	103	105	2	20	70-130
1,1,2-Trichloroethan	0.0	10	10	10	99	101	2	20	70-130

2-Hexanone	0.0	50	48	52	96	104	8	20	69-130
1,3-Dichloropropane	0.0	10	10	10	98	99	2	20	70-130
Tetrachloroethene	0.0	10	10	10	102	101	1	20	70-130
Dibromochloromethane	0.0	10	10	10	97	99	2	20	68-142
1,2-Dibromoethane (E	0.0	10	10	10	98	100	2	20	70-130
Chlorobenzene	0.0	10	10	10	101	101	1	20	70-130
Ethylbenzene	0.0	10	10	10	102	103	1	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	10	101	103	2	20	70-130
m,p-Xylene	0.0	20	21	21	104	104	0	20	70-130
o-Xylene	0.0	10	10	10	102	102	1	20	70-130
Styrene	0.0	10	10	10	100	100	1	20	70-130
Isopropylbenzene	0.0	10	10	10	99	101	2	20	70-130
Bromoform	0.0	10	9	10	95	97	2	20	50-157
n-Propylbenzene	0.0	10	10	10	103	102	2	20	70-130
Bromobenzene	0.0	10	10	10	97	98	1	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	10	102	102	0	20	52-150
1,1,2,2-Tetrachloroe	0.0	10	10	10	103	103	0	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	95	100	5	20	70-130
2-Chlorotoluene	0.0	10	11	10	106	104	1	20	70-130
4-Chlorotoluene	0.0	10	10	10	102	102	0	20	70-130
tert-Butylbenzene	0.0	10	10	10	102	98	4	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	10	103	100	3	20	70-130
sec-Butylbenzene	0.0	10	10	10	102	101	1	20	70-130
p-Isopropyltoluene	0.0	10	10	10	104	101	3	20	70-130
1,3-Dichlorobenzene	0.0	10	10	10	99	99	1	20	70-130
1,4-Dichlorobenzene	0.0	10	10	10	100	98	2	20	70-130
1,2-Dichlorobenzene	0.0	10	10	10	98	97	1	20	70-130
1,2-Dibromo-3-chloro	0.0	10	9	10	93	96	3	20	70-130
1,2,4-Trichlorobenze	0.0	10	10	10	97	97	1	20	70-130
Hexachlorobutadiene	0.0	10	10	10	99	96	3	20	70-130
Naphthalene	0.1	10	11	11	107	107	0	20	70-130
1,2,3-Trichlorobenze	0.0	10	10	10	105	104	1	20	69-143

- Fails Limit Check

VB021423ms13.M Thu Feb 23 10:16:10 2023

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022309.D
Acq On : 23 Feb 2023 08:35 am
Operator : lm
Sample : 03-0348 lcs rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:55:25 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	52019	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	49385	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28342	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	17289	10.645	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.40%				
30) 1,2-Dichloroethane-d4	4.45	102	3300	10.233	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 102.30%				
35) Toluene-d8	6.11	98	51392	10.610	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 106.10%				
57) 4-Bromofluorobenzene	8.51	95	17347	9.927	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 99.30%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	43651	11.500	ppb		100
5) Chloromethane	1.25	50	27318	10.506	ppb		96
6] Vinyl chloride	1.32	62	29193	10.119	ppb		94
7) Bromomethane	1.57	94	29631	11.699	ppb		96
8] Chloroethane	1.66	64	15671	11.107	ppb		98
9) Trichlorofluoromethane	1.84	101	78875	11.491	ppb		94
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	5995	51.172	ppb		88
12] 1,1-Dichloroethene	2.27	96	25271	11.036	ppb		95
13) Hexane	3.16	57	13479	11.239	ppb		98
14) Methylene chloride	2.68	84	14813	12.031	ppb		94
15) t-Butyl alcohol (TBA)	2.81	59	5795	53.725	ppb		96
16] Methyl t-butyl ether (...	2.93	73	30563	10.642	ppb		97
17] trans-1,2-Dichloroethene	2.92	96	15846	10.714	ppb		95
18) Diisopropyl ether (DIPE)	3.34	45	26687	10.660	ppb		95
19] 1,1-Dichloroethane	3.27	63	18284	10.753	ppb		98
20) Ethyl t-butyl ether (E...	3.65	87	14764	10.134	ppb		96
21) 2,2-Dichloropropane	3.76	77	16740	12.864	ppb		94
22] cis-1,2-Dichloroethene	3.77	96	16956	10.799	ppb		96
23) Chloroform	4.04	83	23068	10.322	ppb		100
24) 2-Butanone (MEK)	3.78	43	25404	54.822	ppb		96
25) t-Amyl methyl ether (T...	4.60	73	28342	10.554	ppb		98
26] 1,2-Dichloroethane (EDC)	4.52	62	15492	10.527	ppb		97
27] 1,1,1-Trichloroethane	4.19	97	25090	11.049	ppb		96
28) 1,1-Dichloropropene	4.33	75	16392	10.744	ppb		98
29) Carbon tetrachloride	4.33	117	27368	10.235	ppb		96
31] Benzene	4.50	78	47372	10.754	ppb		98
32] Trichloroethene	5.04	95	17207	10.537	ppb	#	72
33) 1,2-Dichloropropane	5.24	63	9713	10.800	ppb		98
34) Bromodichloromethane	5.48	83	16733	9.668	ppb		98
36) Dibromomethane	5.34	93	9306	10.434	ppb		95

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022309.D
Acq On : 23 Feb 2023 08:35 am
Operator : lm
Sample : 03-0348 lcs rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

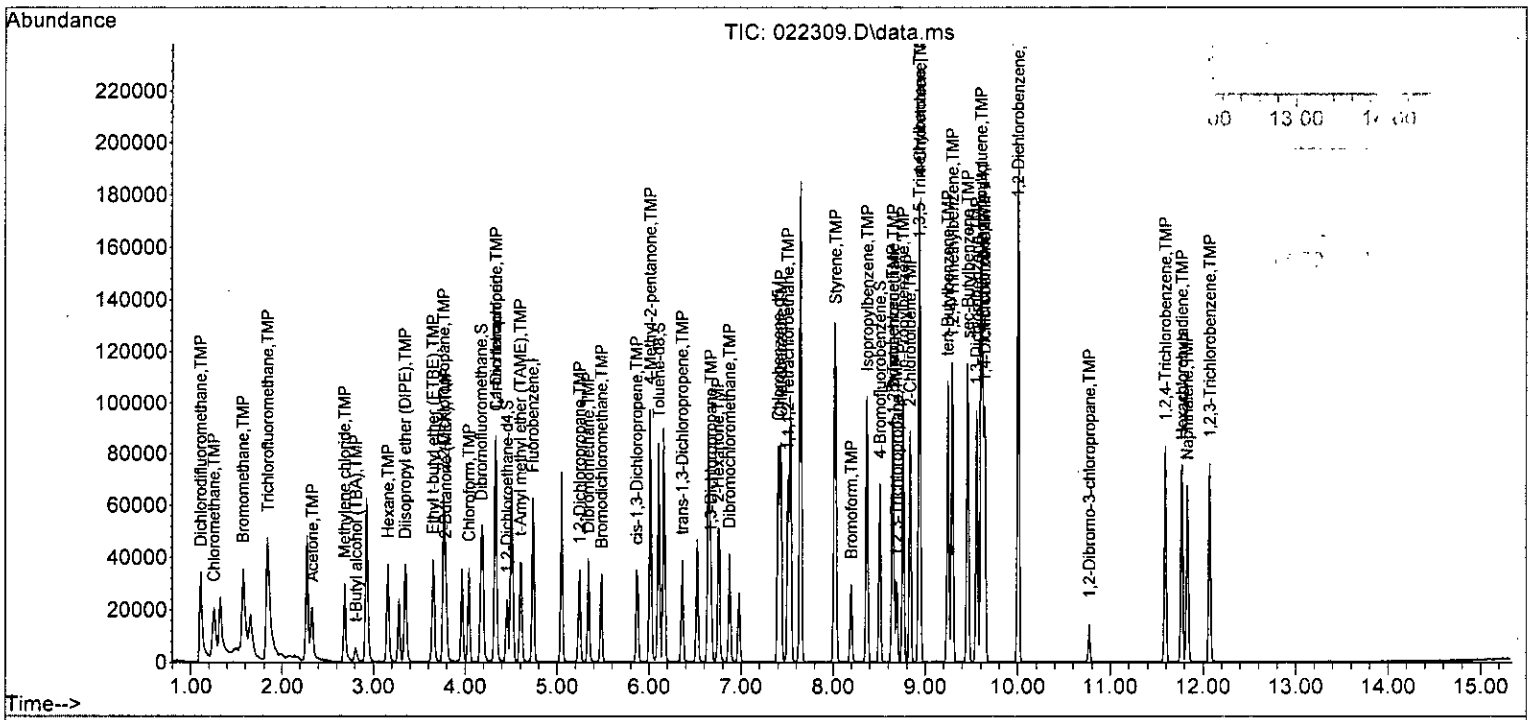
Quant Time: Feb 23 09:55:25 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

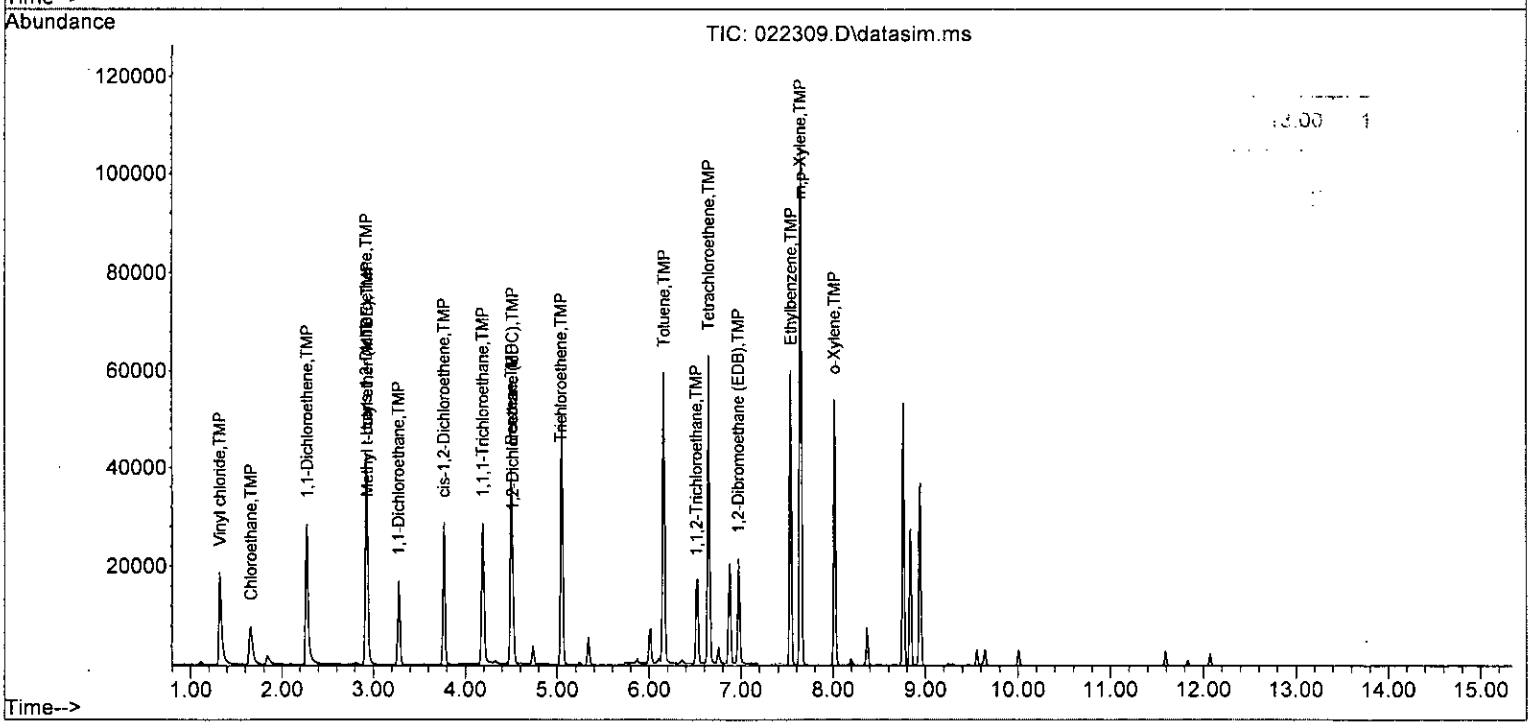
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	12171	54.451	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	17229	10.822	ppb		92
40] Toluene	6.16	92	35399	10.137	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	16092	10.301	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	9944	9.926	ppb	#	70
43) 2-Hexanone	6.75	43	34172	47.931	ppb		98
44) 1,3-Dichloropropane	6.67	76	16391	9.766	ppb		96
45] Tetrachloroethene	6.65	164	21691	10.216	ppb		99
46) Dibromochloromethane	6.87	129	21002	9.729	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	16035	9.812	ppb		99
48) Chlorobenzene	7.43	112	48333	10.121	ppb		99
49] Ethylbenzene	7.54	91	64506	10.234	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	19492	10.097	ppb		98
51] m,p-Xylene	7.64	106	57617	20.740	ppb		81
52] o-Xylene	8.01	106	27420	10.174	ppb		79
53) Styrene	8.03	104	42405	10.046	ppb		99
54) Isopropylbenzene	8.37	105	68261	9.925	ppb		100
55) Bromoform	8.20	173	13785	9.478	ppb		92
58) n-Propylbenzene	8.76	91	69387	10.326	ppb		99
59) Bromobenzene	8.65	156	23585	9.710	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	56465	10.237	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	14167	10.315	ppb		98
62) 1,2,3-Trichloropropane	8.69	75	9845	9.521	ppb		96
63) 2-Chlorotoluene	8.84	91	40191	10.566	ppb		99
64) 4-Chlorotoluene	8.94	91	46496	10.218	ppb		99
65) tert-Butylbenzene	9.24	119	59282	10.183	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	58267	10.327	ppb		98
67) sec-Butylbenzene	9.46	105	72988	10.173	ppb		100
68) p-Isopropyltoluene	9.60	119	73827	10.445	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	43243	9.943	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	41988	10.050	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	40234	9.774	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	2232	9.324	ppb	#	82
73) 1,2,4-Trichlorobenzene	11.59	180	26674	9.758	ppb		95
74) Hexachlorobutadiene	11.77	225	16824	9.894	ppb		95
75) Naphthalene	11.83	128	55050	10.796	ppb		99
76) 1,2,3-Trichlorobenzene	12.07	180	24207	10.457	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022309.D
Acq On : 23 Feb 2023 08:35 am
Operator : lm
Sample : 03-0348 lcs rr
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:55:25 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 08:59 am
Operator : lm
Sample : 03-0348 lcsd rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:55:29 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	52271	10.000	ppb		0.00
39) Chlorobenzene-d5	7.41	117	49040	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28455	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	16791	10.288	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.90%				
30) 1,2-Dichloroethane-d4	4.45	102	3409	10.520	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.20%				
35) Toluene-d8	6.11	98	51438	10.569	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 105.70%				
57) 4-Bromofluorobenzene	8.51	95	17313	9.868	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 98.70%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	84	No Calib			
4) Dichlorodifluoromethane	1.10	85	43432	11.387	ppb		97
5) Chloromethane	1.24	50	27640	10.579	ppb		86
6] Vinyl chloride	1.31	62	29044	10.019	ppb		87
7) Bromomethane	1.56	94	28917	11.352	ppb		97
8] Chloroethane	1.65	64	15303	10.797	ppb		99
9) Trichlorofluoromethane	1.84	101	76153	11.041	ppb		97
10) 2-Propanol	2.32	45	84	No Calib	#		
11) Acetone	2.32	58	6239	53.018	ppb		97
12] 1,1-Dichloroethene	2.26	96	24685	10.728	ppb		88
13) Hexane	3.16	57	13179	10.936	ppb		97
14) Methylene chloride	2.68	84	14715	11.897	ppb		96
15) t-Butyl alcohol (TBA)	2.81	59	5942	54.822	ppb		90
16] Methyl t-butyl ether (...	2.92	73	30710	10.641	ppb		98
17] trans-1,2-Dichloroethene	2.91	96	15419	10.375	ppb		93
18) Diisopropyl ether (DIPE)	3.34	45	26635	10.588	ppb		96
19] 1,1-Dichloroethane	3.27	63	17893	10.473	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	15029	10.265	ppb		94
21) 2,2-Dichloropropane	3.76	77	15066	11.530	ppb		97
22] cis-1,2-Dichloroethene	3.77	96	16636	10.544	ppb		92
23) Chloroform	4.04	83	22993	10.239	ppb		100
24) 2-Butanone (MEK)	3.78	43	25307	54.349	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	28835	10.686	ppb		99
26] 1,2-Dichloroethane (EDC)	4.52	62	15084	10.199	ppb		95
27] 1,1,1-Trichloroethane	4.19	97	24750	10.847	ppb		94
28) 1,1-Dichloropropene	4.32	75	16128	10.520	ppb		97
29) Carbon tetrachloride	4.32	117	26986	10.046	ppb		98
31] Benzene	4.50	78	46465	10.497	ppb		97
32] Trichloroethene	5.04	95	16864	10.277	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	9984	11.047	ppb		99
34) Bromodichloromethane	5.48	83	17084	9.822	ppb		96
36) Dibromomethane	5.34	93	9606	10.719	ppb		98

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 08:59 am
Operator : lm
Sample : 03-0348 lcsd rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

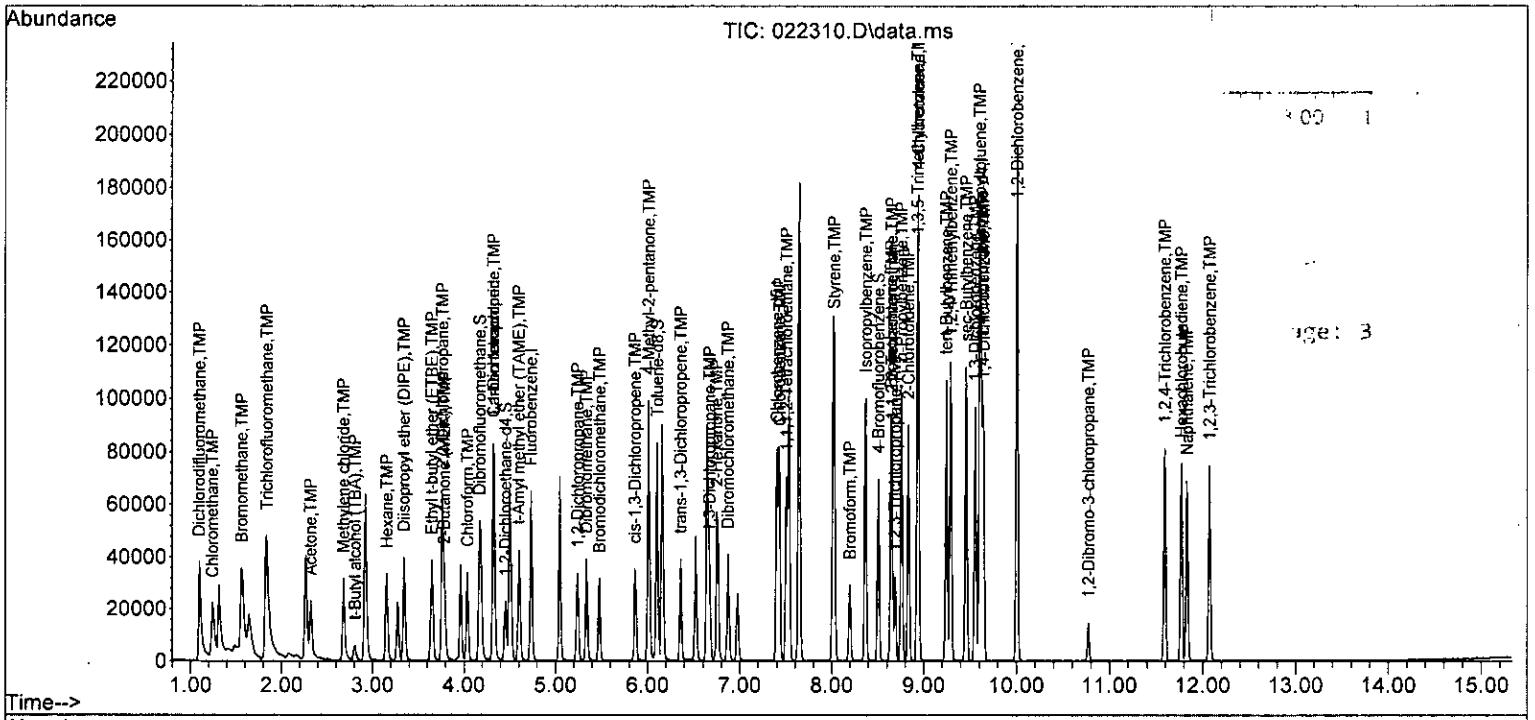
Quant Time: Feb 23 09:55:29 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

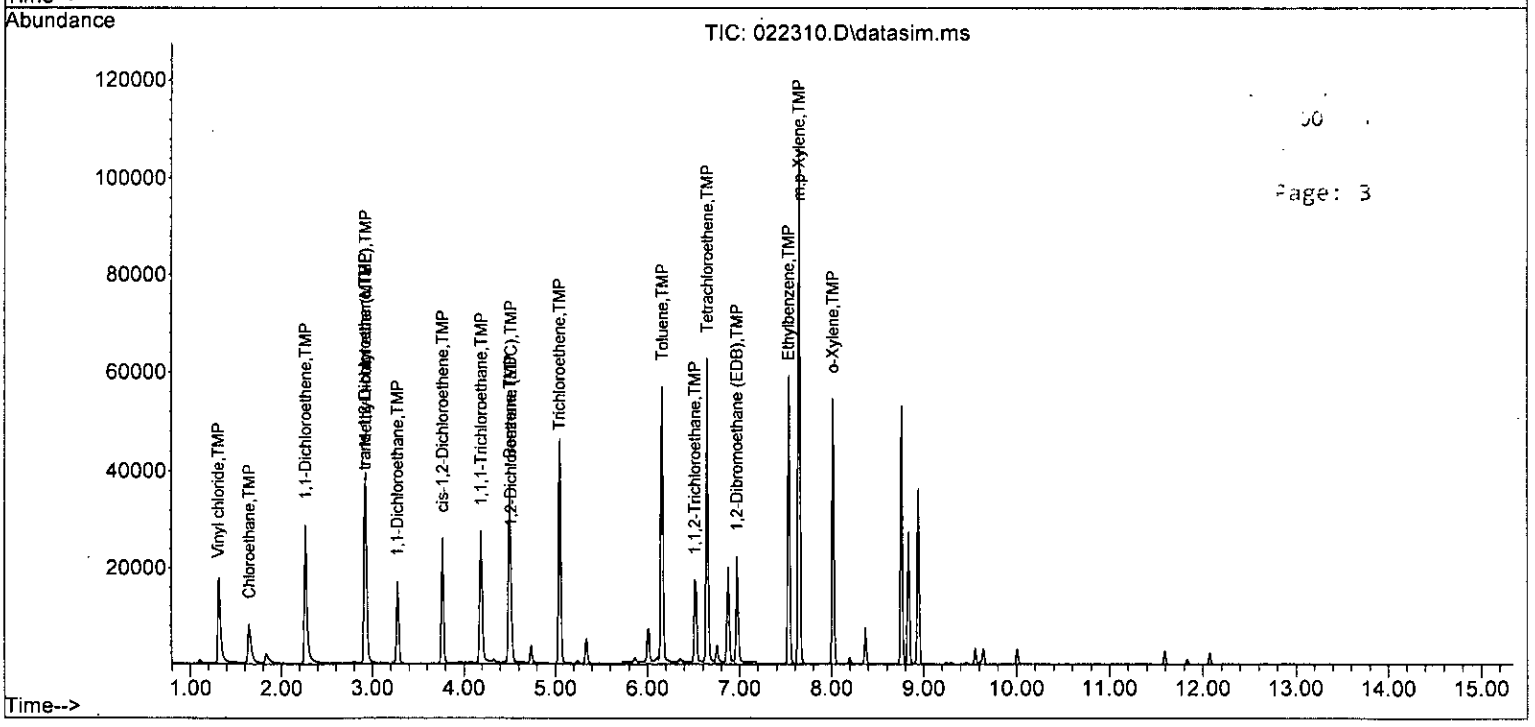
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	11836	52.697	ppb		98
38) cis-1,3-Dichloropropene	5.86	75	16754	10.478	ppb		95
40] Toluene	6.16	92	35117	10.127	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	16304	10.510	ppb		100
42] 1,1,2-Trichloroethane	6.51	83	10034	10.086	ppb	#	72
43) 2-Hexanone	6.75	43	36670	51.797	ppb		98
44) 1,3-Dichloropropane	6.67	76	16582	9.949	ppb		95
45] Tetrachloroethene	6.65	164	21322	10.112	ppb		98
46) Dibromochloromethane	6.87	129	21301	9.937	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	16174	9.967	ppb		98
48) Chlorobenzene	7.43	112	47684	10.055	ppb		97
49] Ethylbenzene	7.53	91	64413	10.291	ppb		90
50) 1,1,1,2-Tetrachloroethane	7.51	131	19713	10.283	ppb		99
51] m,p-Xylene	7.64	106	57489	20.840	ppb		80
52] o-Xylene	8.01	106	27373	10.228	ppb		80
53) Styrene	8.03	104	41802	9.973	ppb		98
54) Isopropylbenzene	8.37	105	68839	10.079	ppb		99
55) Bromoform	8.20	173	14002	9.695	ppb		96
58) n-Propylbenzene	8.76	91	68621	10.172	ppb		100
59) Bromobenzene	8.65	156	23927	9.812	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	56498	10.203	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	14189	10.290	ppb		97
62) 1,2,3-Trichloropropane	8.69	75	10395	10.013	ppb		96
63) 2-Chlorotoluene	8.84	91	39760	10.410	ppb		99
64) 4-Chlorotoluene	8.94	91	46455	10.168	ppb		98
65) tert-Butylbenzene	9.24	119	57205	9.788	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	56765	10.021	ppb		98
67) sec-Butylbenzene	9.46	105	72603	10.079	ppb		99
68) p-Isopropyltoluene	9.60	119	71742	10.110	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	43182	9.890	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	41356	9.859	ppb		96
71) 1,2-Dichlorobenzene	10.01	146	40166	9.719	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	2302	9.578	ppb		97
73) 1,2,4-Trichlorobenzene	11.59	180	26599	9.691	ppb		98
74) Hexachlorobutadiene	11.77	225	16365	9.586	ppb		96
75) Naphthalene	11.83	128	55401	10.821	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	24177	10.404	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022310.D
Acq On : 23 Feb 2023 08:59 am
Operator : lm
Sample : 03-0348 lcsd rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:55:29 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

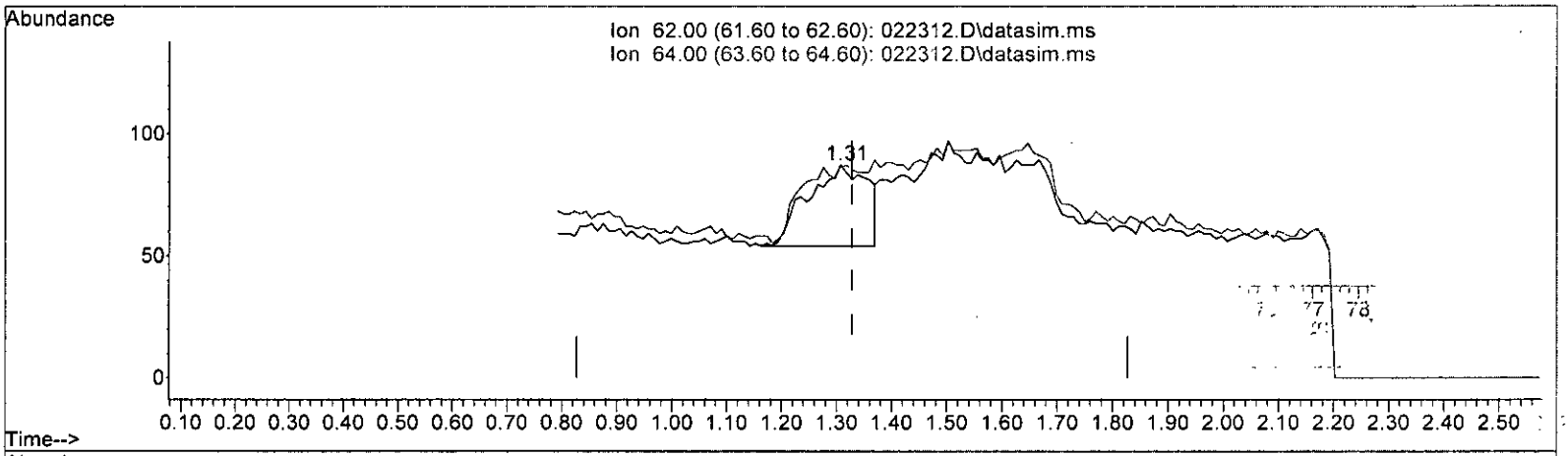


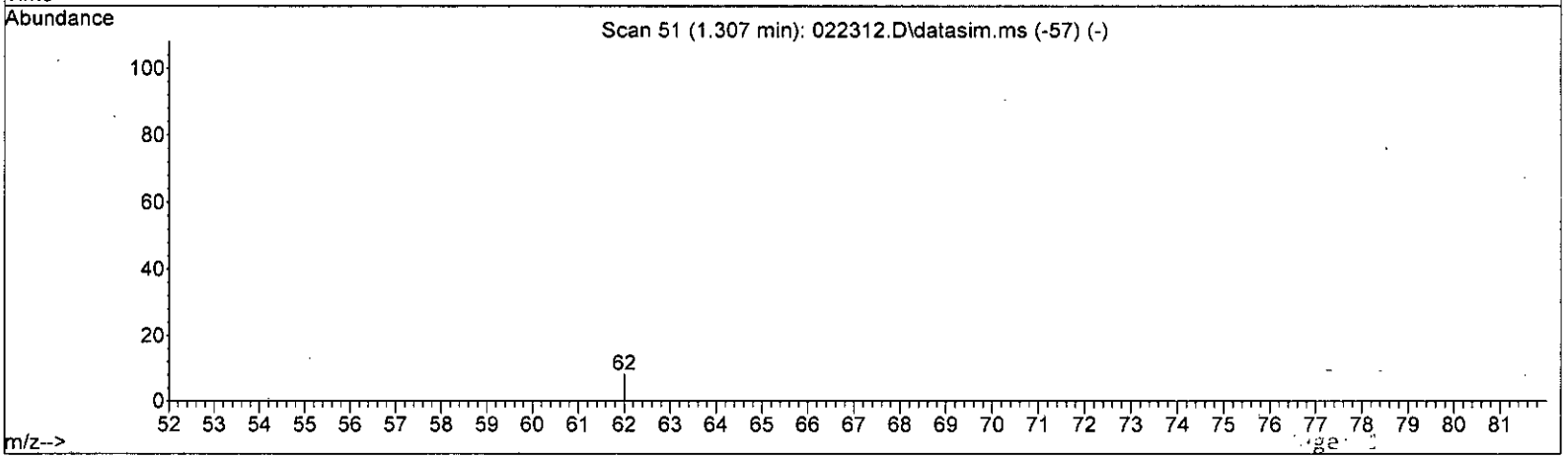


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 022312.D\data.ms

(6) Vinyl chloride (TMP)

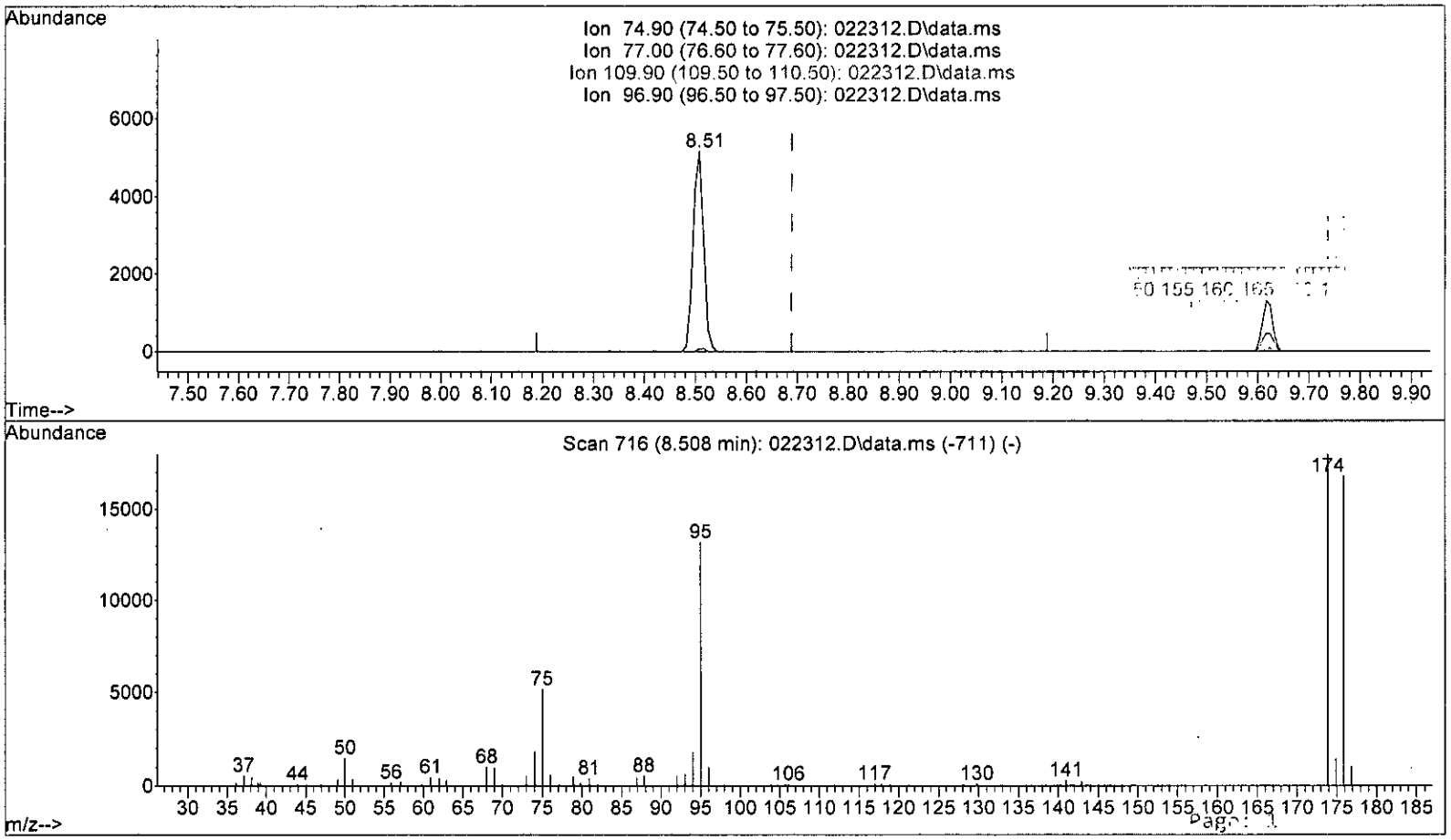
1.307min (-0.021) 0.079 ppb

response 248

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	84.85#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 022312.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 6.805 ppb
response 7326

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	1.30#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

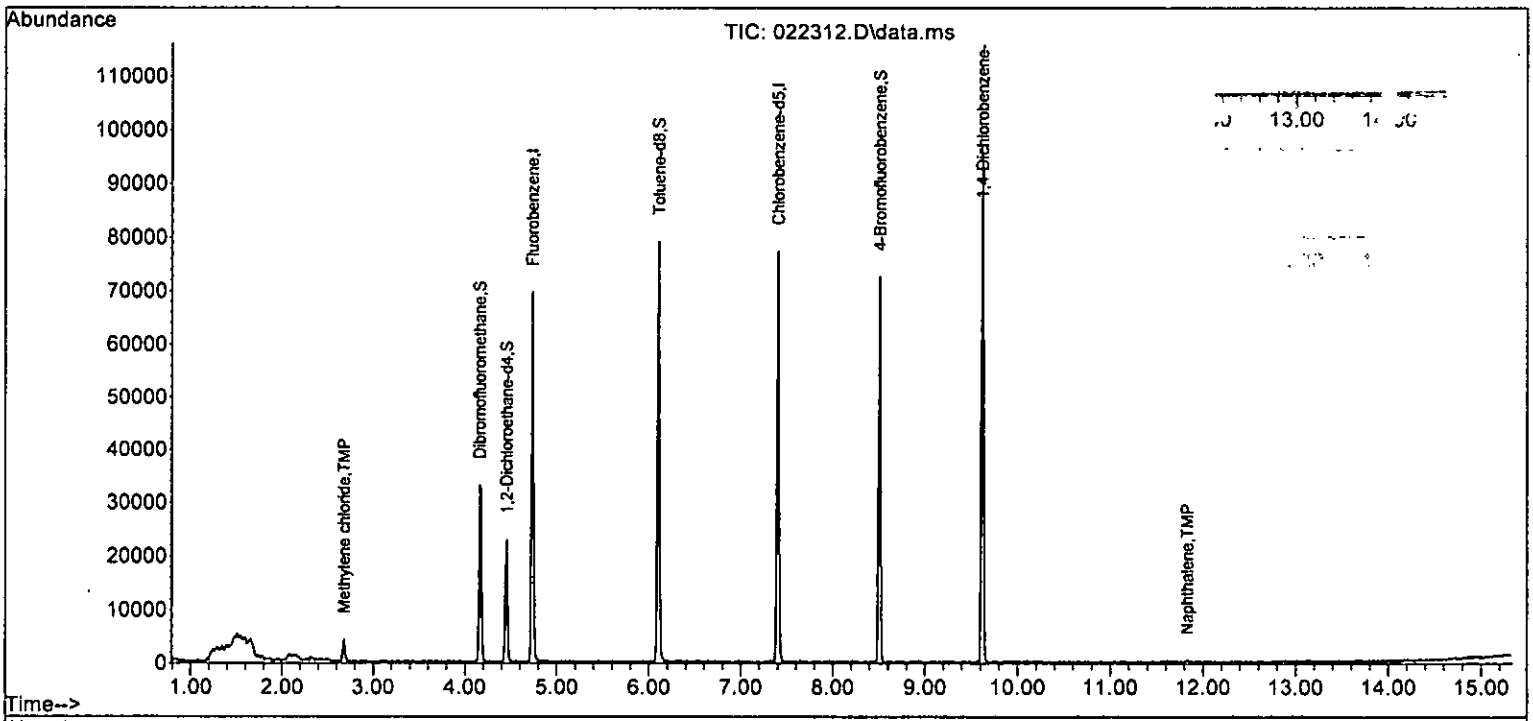
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	61110	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49983	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29508	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.16	113	18020	9.444	ppb	-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3535	9.331	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 93.30%			
35) Toluene-d8	6.11	98	52450	9.218	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 92.20%			
57) 4-Bromofluorobenzene	8.51	95	18344	10.083	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 100.80%			
Target Compounds						Qvalue
14) Methylene chloride	2.68	84	2009	1.626	ppb	95
40] Toluene	6.16	92	40	Below Cal		93
51] m,p-Xylene	7.64	106	78	0.013	ppb	83
63) 2-Chlorotoluene	8.76	91	126	Below Cal	#	27
75) Naphthalene	11.83	128	337	0.075	ppb	70

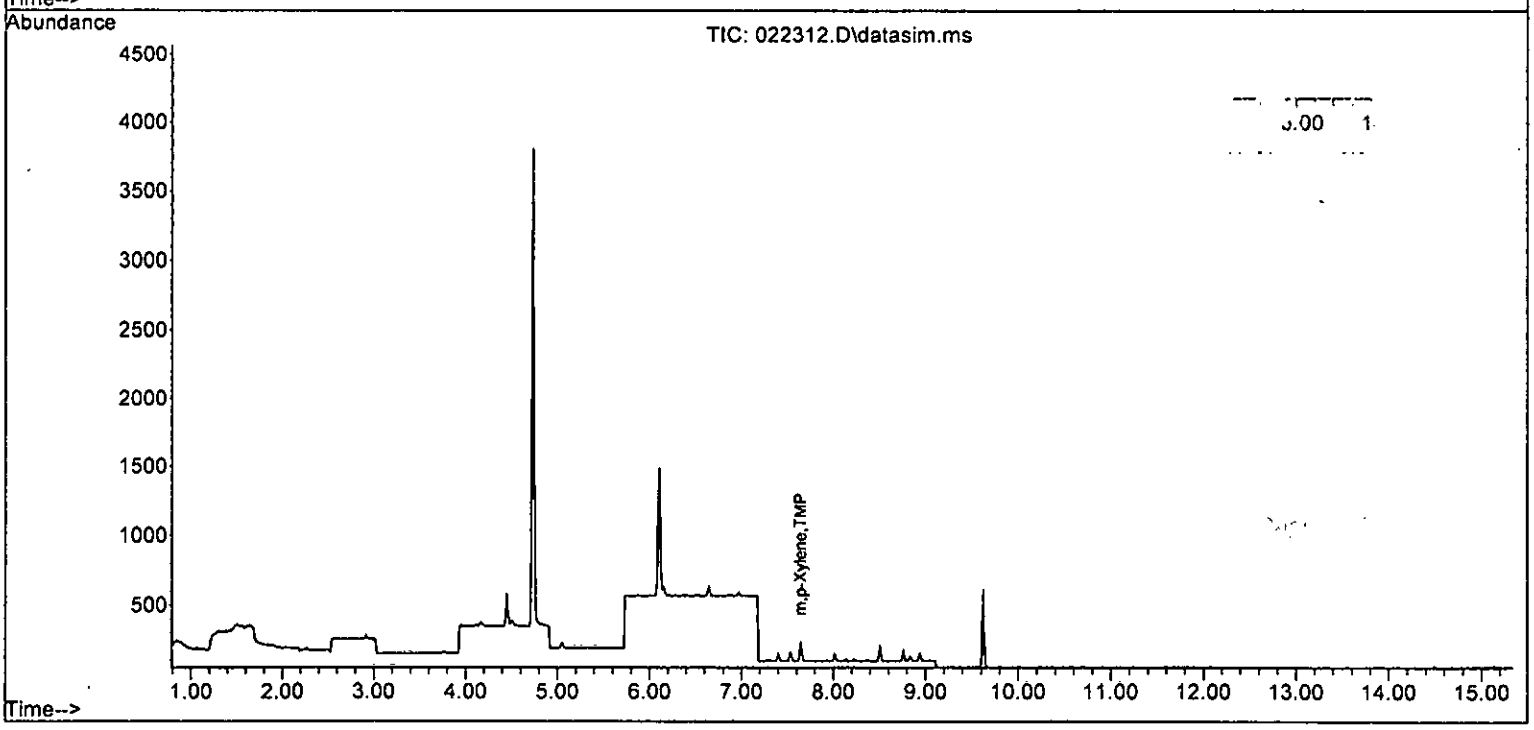
(#) = qualifier out of range (m) = manual integration (+) = signals summed

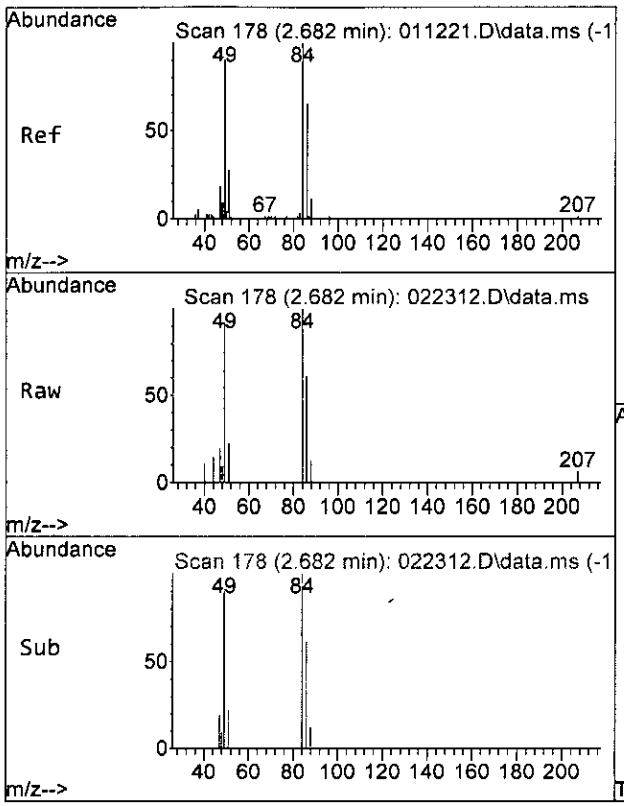
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



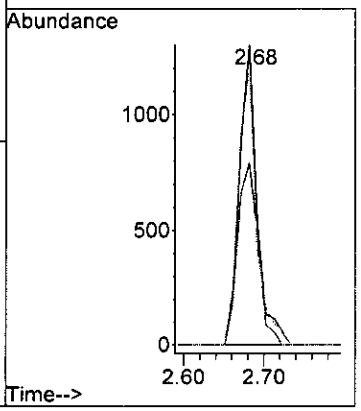


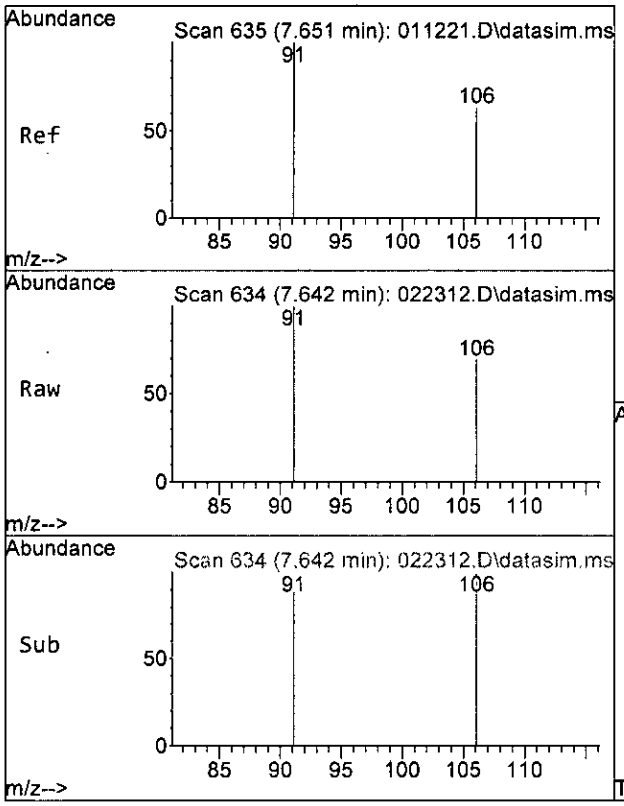


#14
Methylene chloride
Concen: 1.626 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.011 min
Lab File: 022312.D
Acq: 23 Feb 2023 09:44 am

Tgt Ion: 84 Resp: 2009

Ion	Ratio	Lower	Upper
84	100		
86	60.8	35.3	95.3
49	91.5	57.8	117.8

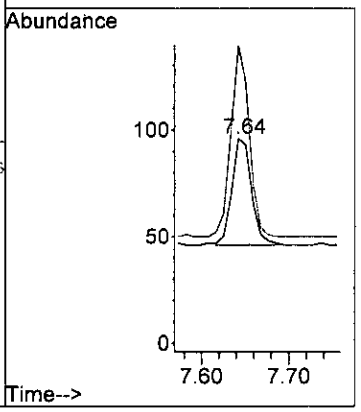


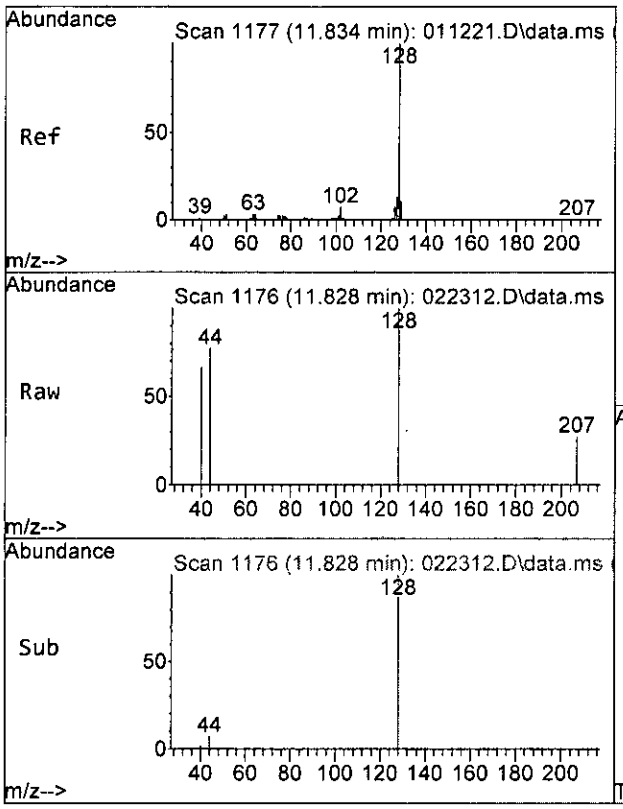


#51
m,p-Xylene
Concen: 0.013 ppb
RT: 7.64 min Scan# 634
Delta R.T. -0.009 min
Lab File: 022312.D
Acq: 23 Feb 2023 09:44 am

Tgt Ion:106 Resp: 78

Ion	Ratio	Lower	Upper
106	100		
91	178.0	126.4	186.4

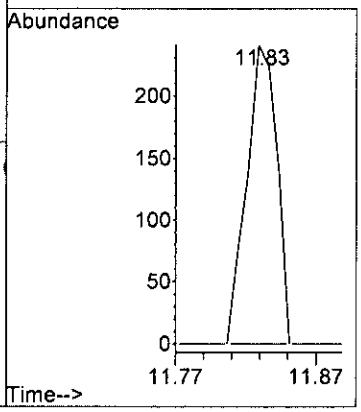




#75
Naphthalene
Concen: 0.075 ppb
RT: 11.83 min Scan# 1176
Delta R.T. -0.000 min
Lab File: 022312.D
Acq: 23 Feb 2023 09:44 am

Tgt Ion:128 Resp: 337

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.2
127	0.0	0.0	42.3



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	61110	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49983	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29508	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.16	113	18020	9.444	ppb	-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3535	9.331	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 93.30%			
35) Toluene-d8	6.11	98	52450	9.218	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 92.20%			
57) 4-Bromofluorobenzene	8.51	95	18344	10.083	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 100.80%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	302	N.D.		
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	2009	1.626	ppb	95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	40	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

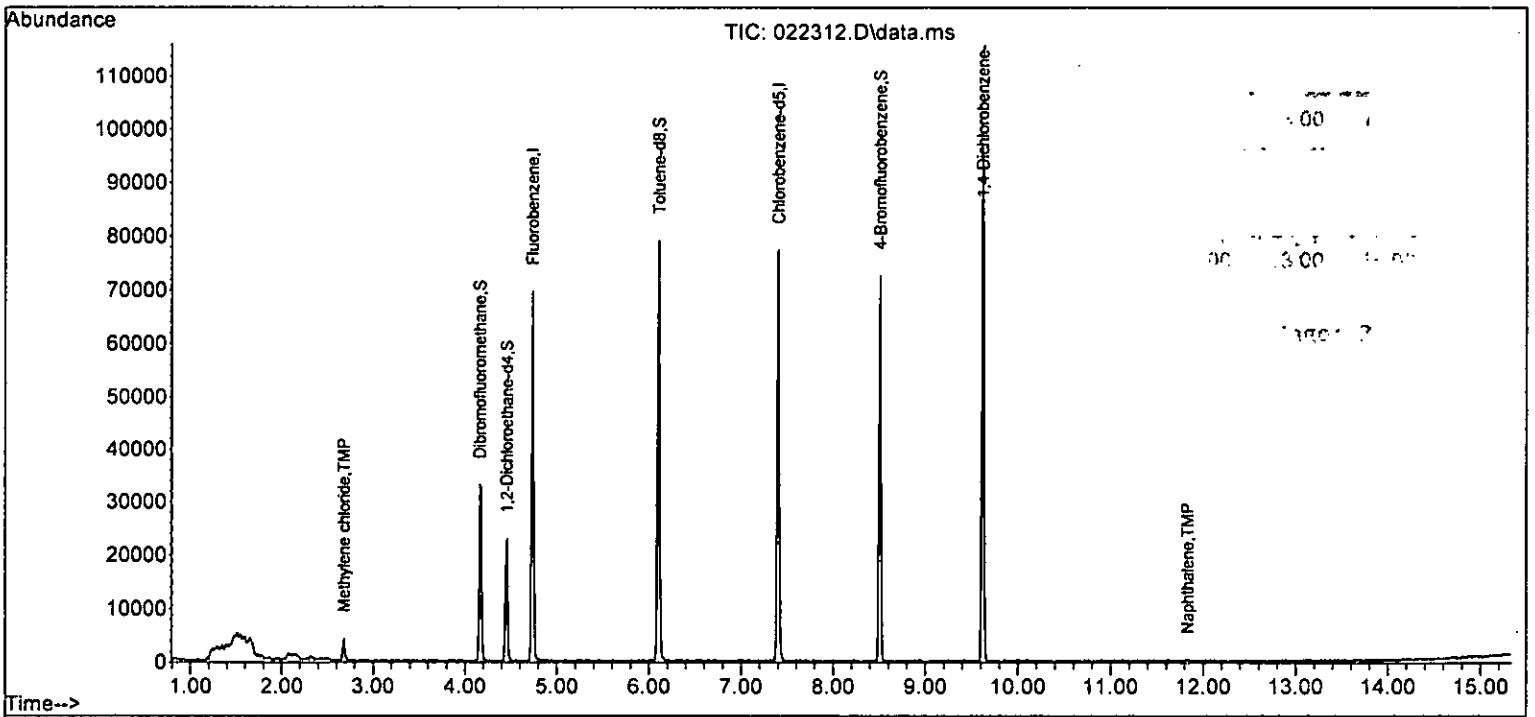
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	40	Below Cal	93
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45) Tetrachloroethene	6.65	164	32	N.D.	
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.53	91	74	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	78	0.013 ppb	83
52) o-Xylene	8.01	106	28	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.76	91	126	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	32	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.76	91	126	Below Cal #	27
64) 4-Chlorotoluene	8.94	91	71	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	91	N.D.	
67) sec-Butylbenzene	9.46	105	26	N.D.	
68) p-Isopropyltoluene	9.60	119	127	N.D.	
69) 1,3-Dichlorobenzene	9.55	146	47	N.D.	
70) 1,4-Dichlorobenzene	9.64	146	93	N.D.	
71) 1,2-Dichlorobenzene	10.00	146	56	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	89	N.D.	
74) Hexachlorobutadiene	11.77	225	23	N.D.	
75) Naphthalene	11.83	128	337	0.075 ppb	70
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

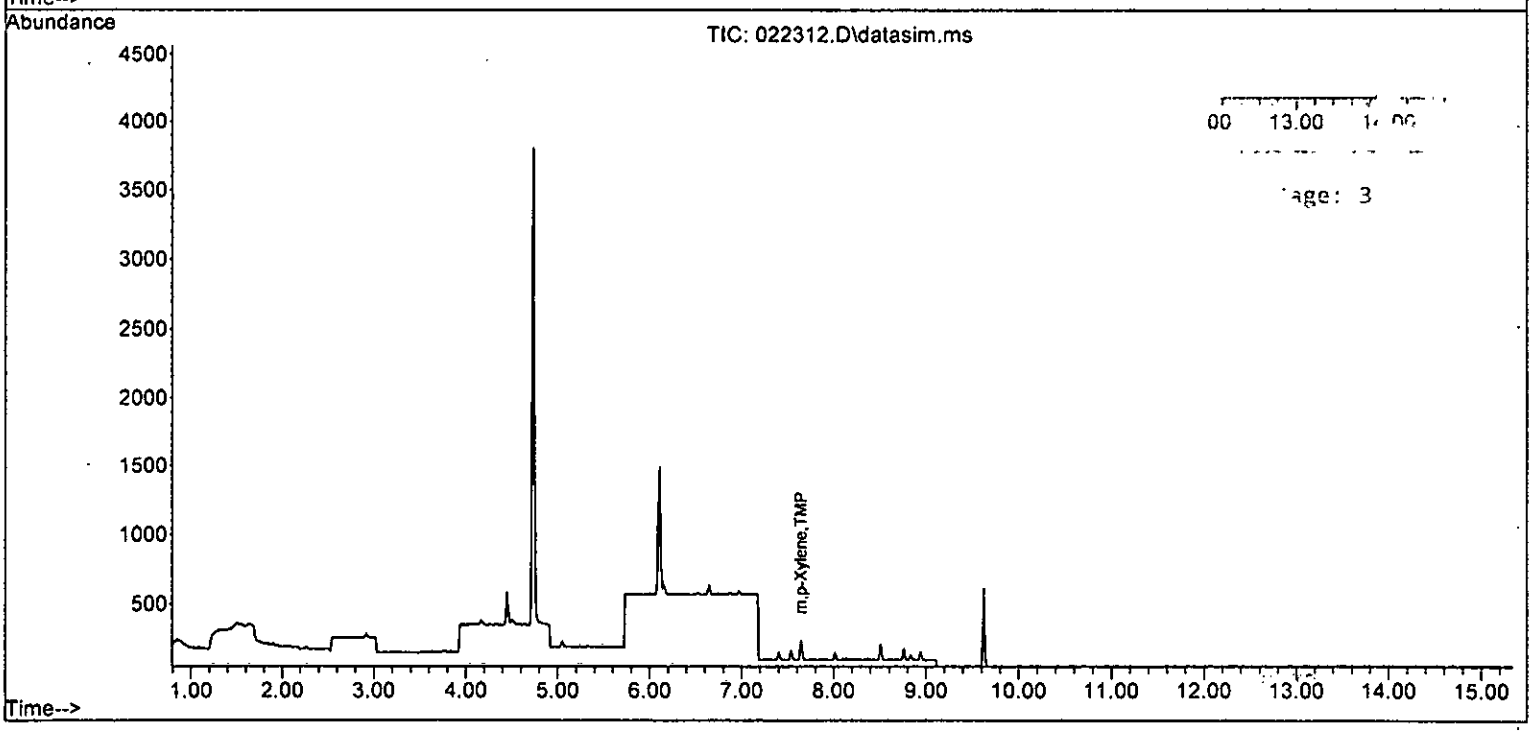
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\02-23-23\
Data File : 022312.D
Acq On : 23 Feb 2023 09:44 am
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 23 09:56:06 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

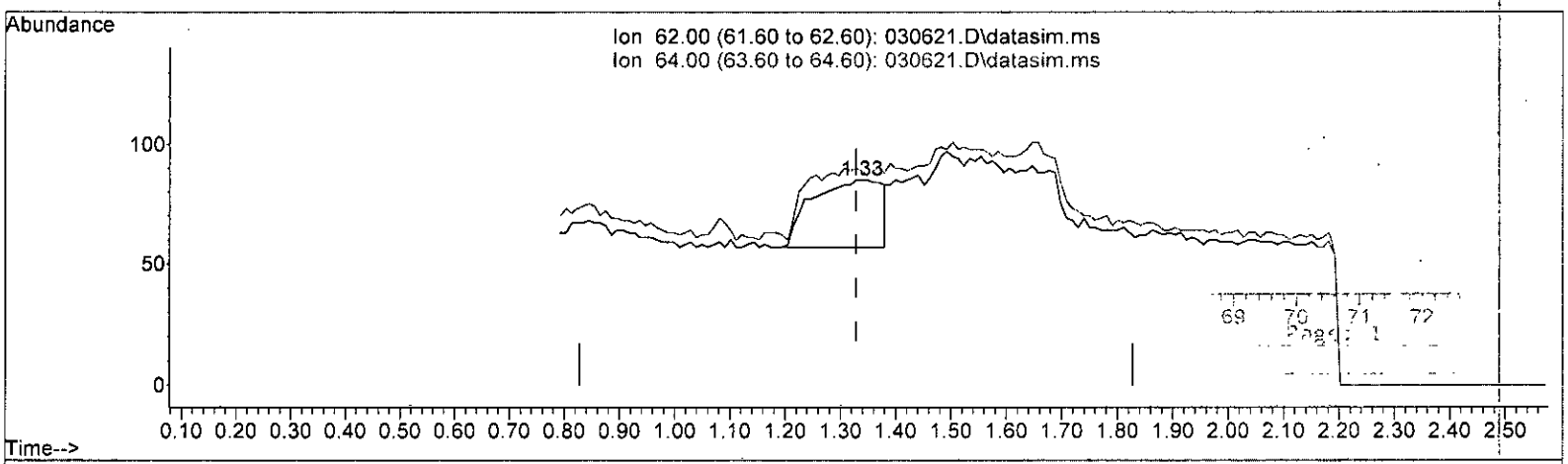


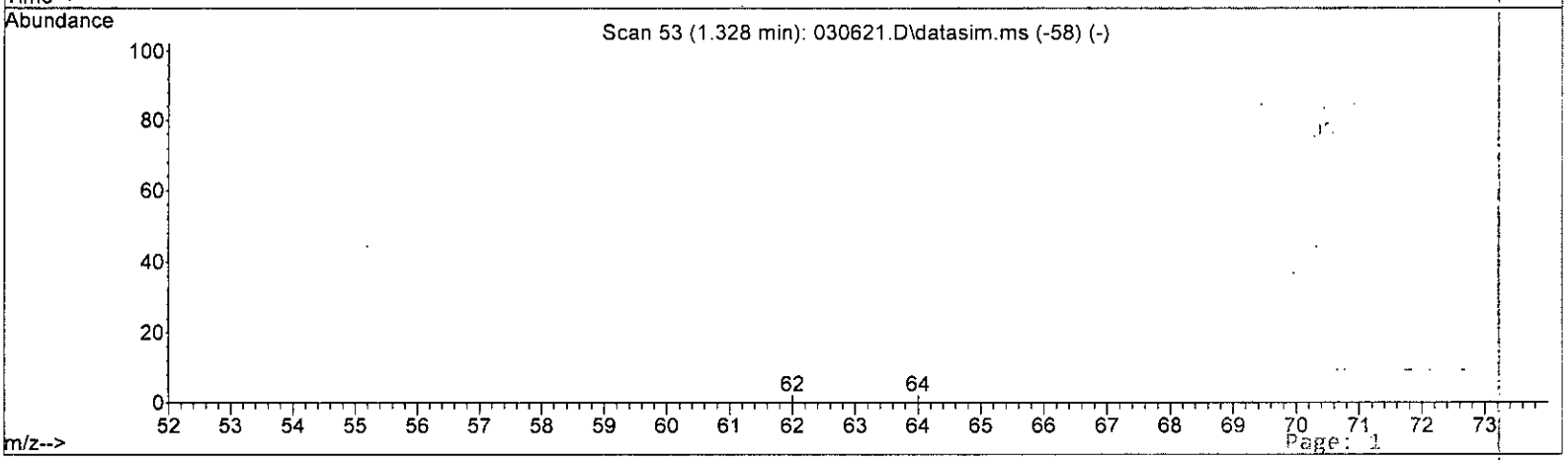


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030621.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.000) 0.110 ppb

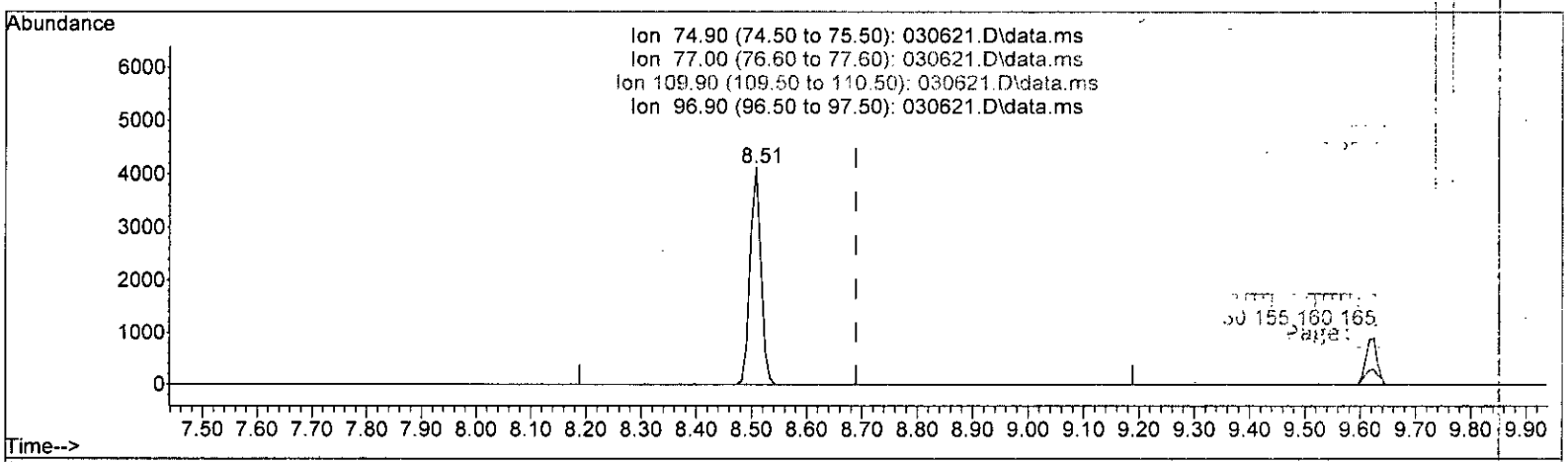
response 244

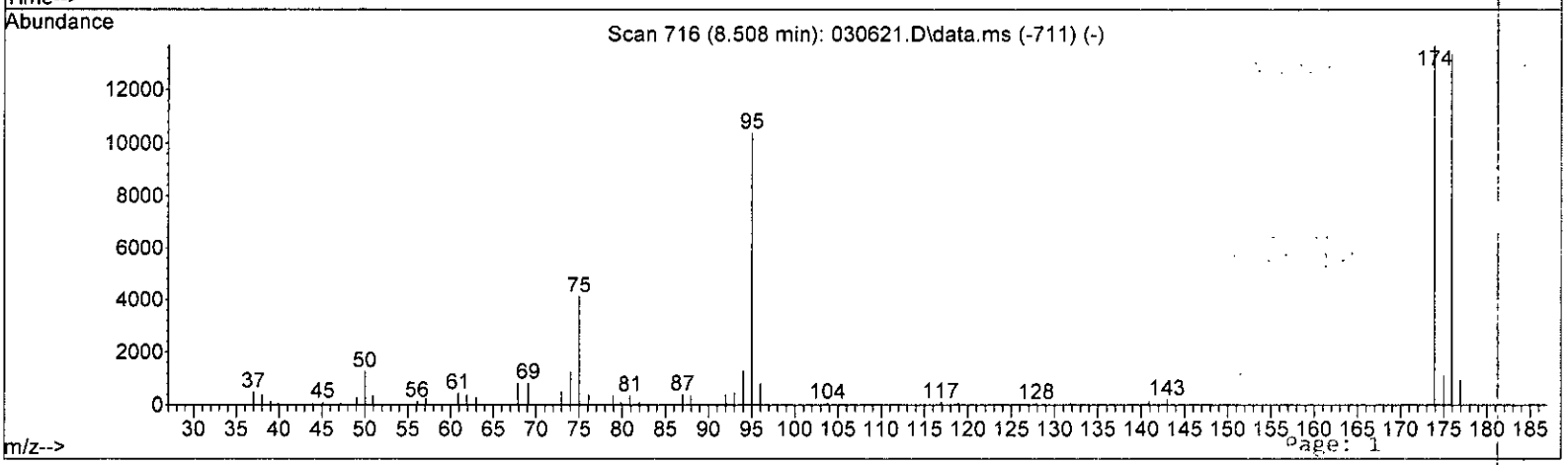
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	100.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030621.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.017 ppb
response 5676

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

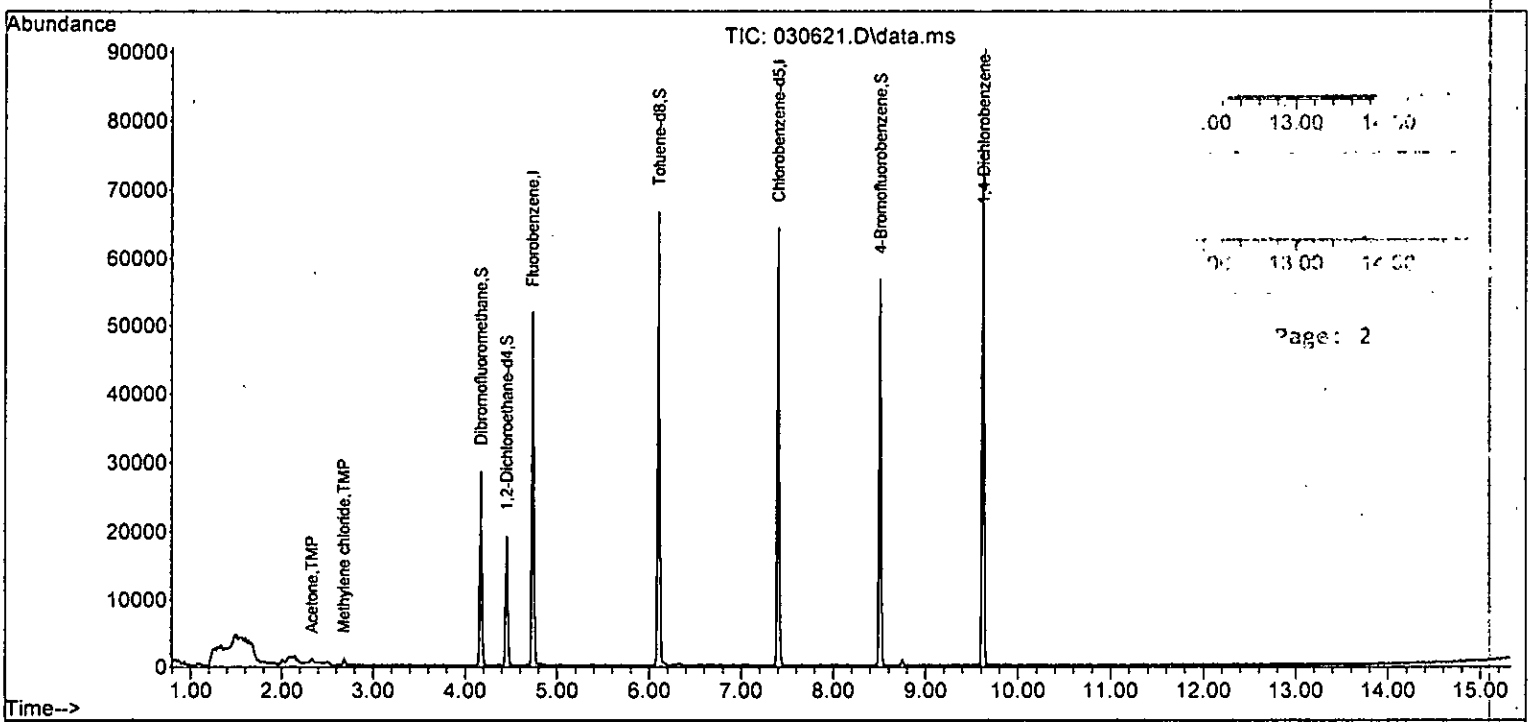
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	42489	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	40109	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22172	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	13781	10.388	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2544	9.658	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.60%			
35) Toluene-d8	6.11	98	41835	10.574	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 105.70%			
57) 4-Bromofluorobenzene	8.51	95	14074	10.296	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.00%			
Target Compounds						Qvalue
7) Bromomethane	1.57	94	501	Below Cal	#	3
11) Acetone	2.33	58	226	1.345	ppb #	49
14) Methylene chloride	2.68	84	506	0.760	ppb #	58
45] Tetrachloroethene	6.65	164	90	0.044	ppb	97
49] Ethylbenzene	7.54	91	24	Below Cal		93
51] m,p-Xylene	7.64	106	29	Below Cal		87

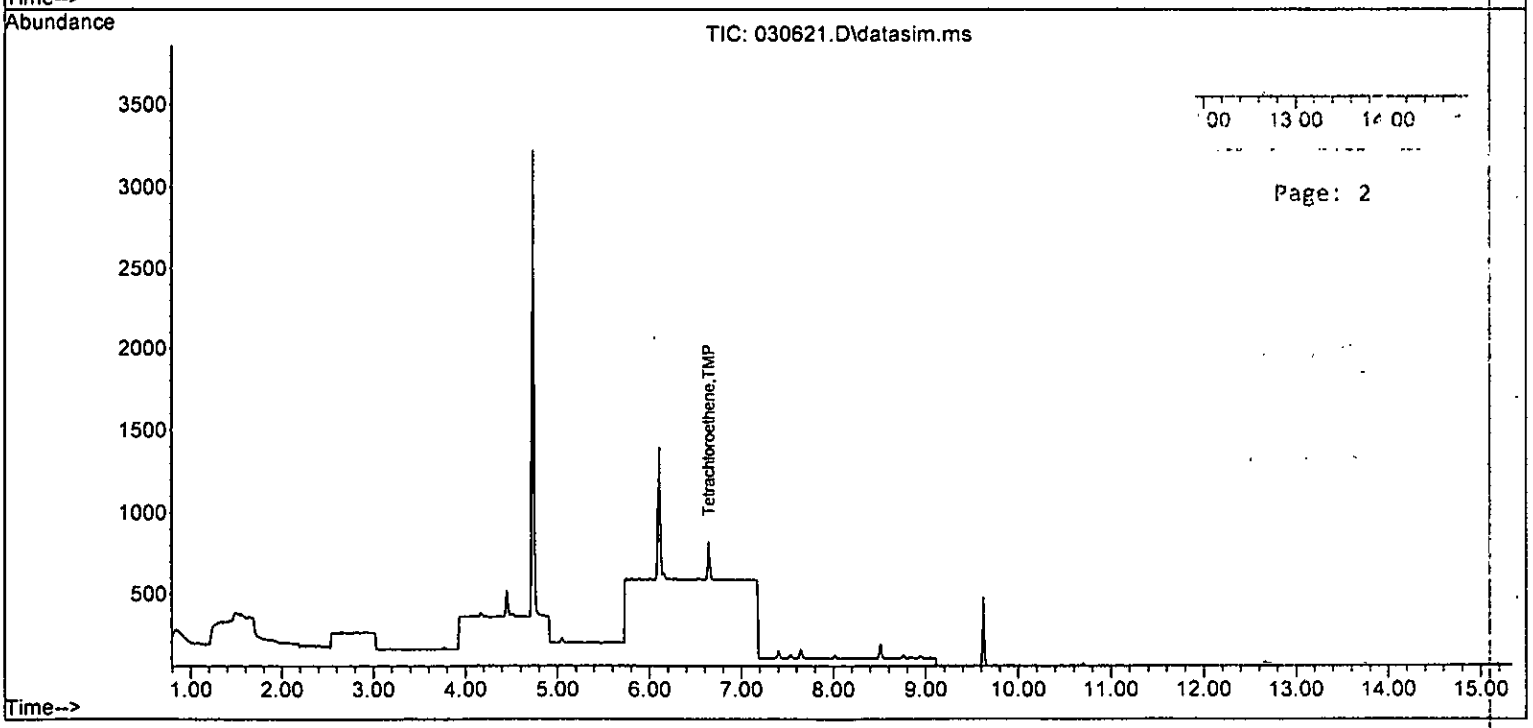
(#) = qualifier out of range (m) = manual integration (+) = signals summed

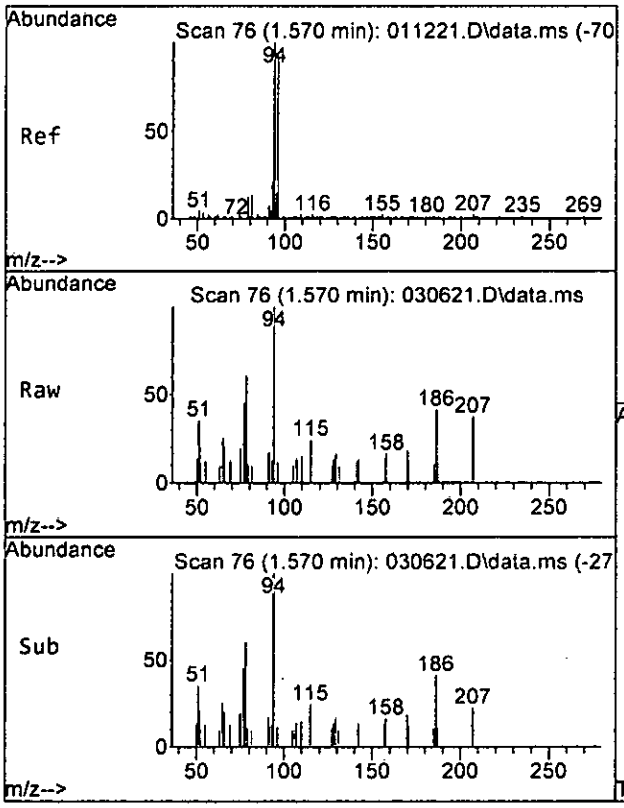
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



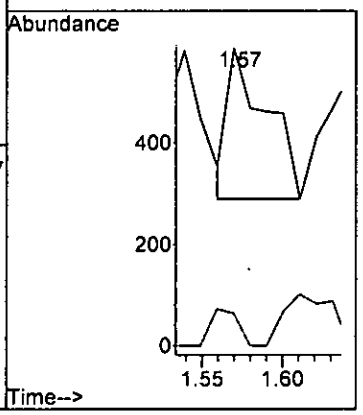


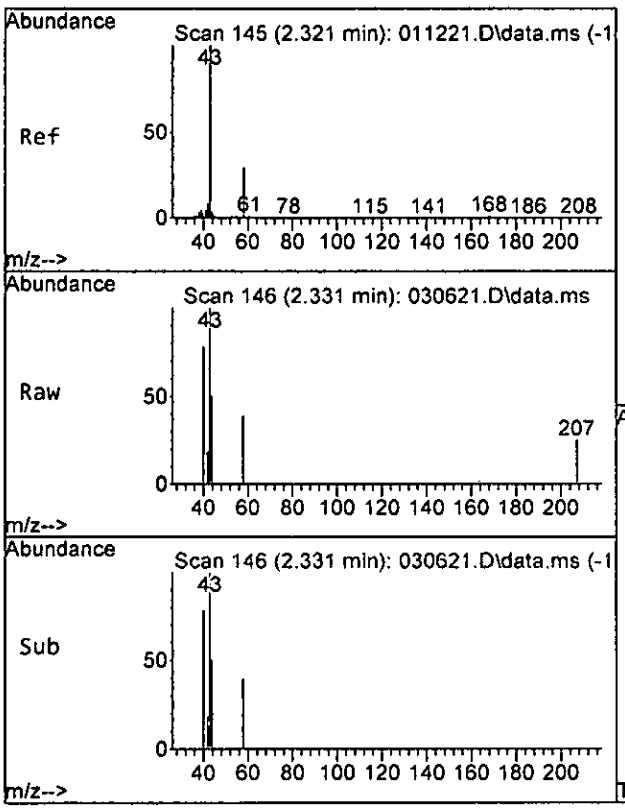


#7
Bromomethane
Concen: Below Cal
RT: 1.57 min Scan# 76
Delta R.T. -0.000 min
Lab File: 030621.D
Acq: 06 Mar 2023 03:39 pm

Tgt Ion: 94 Resp: 501

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

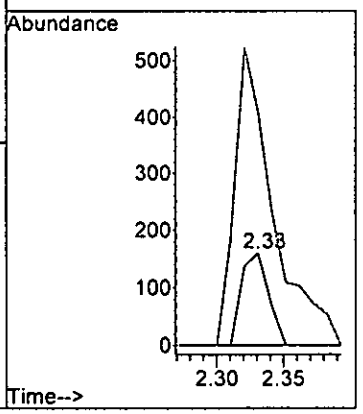


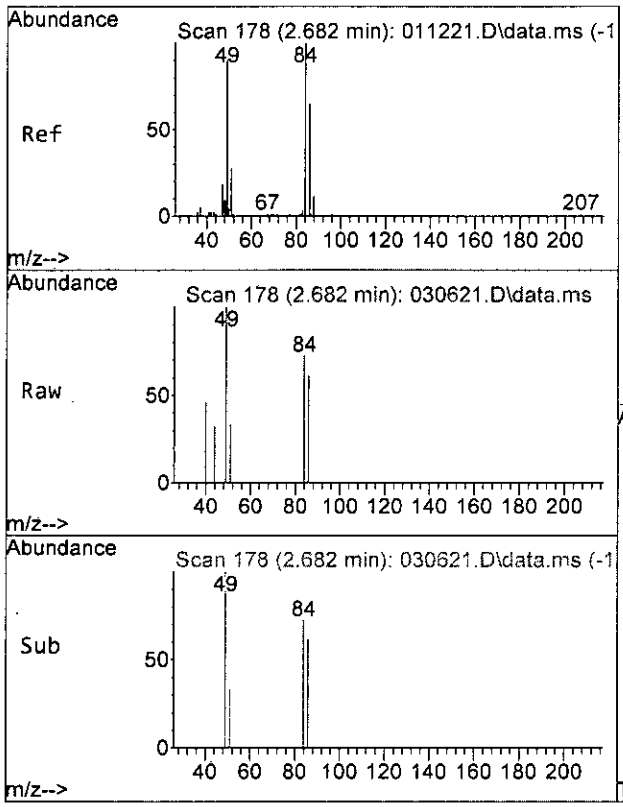


#11
Acetone
Concen: 1.345 ppb
RT: 2.33 min Scan# 146
Delta R.T. 0.000 min
Lab File: 030621.D
Acq: 06 Mar 2023 03:39 pm

Tgt Ion: 58 Resp: 226

Ion	Ratio	Lower	Upper
58	100		
43	461.5	320.8	380.8#

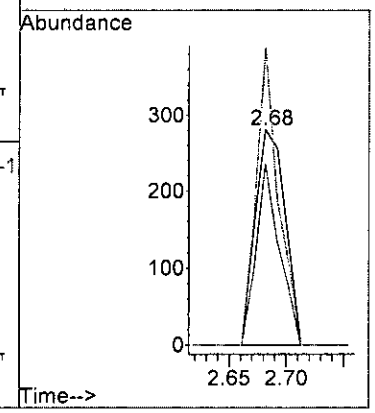


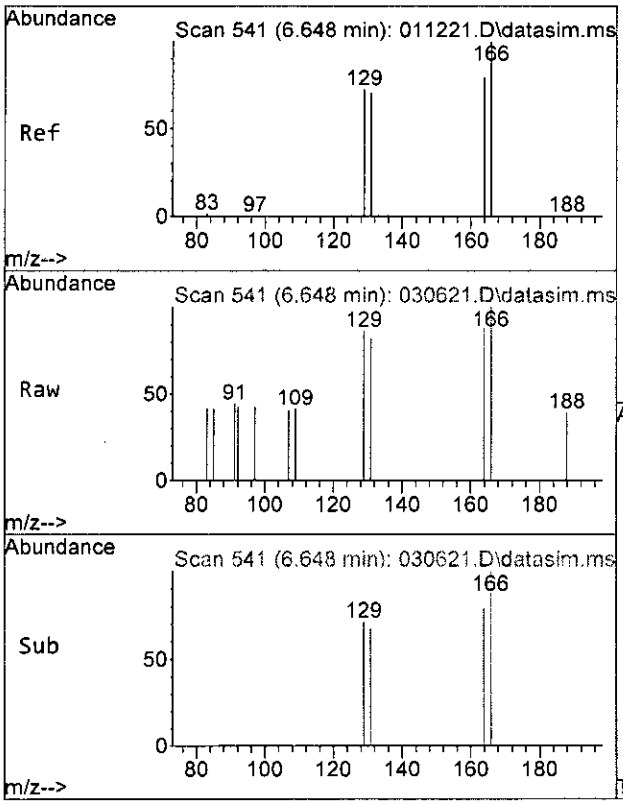


#14
Methylene chloride
Concen: 0.760 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.011 min
Lab File: 030621.D
Acq: 06 Mar 2023 03:39 pm

Tgt Ion: 84 Resp: 506

Ion	Ratio	Lower	Upper
84	100		
86	84.0	35.3	95.3
49	138.8	57.8	117.8#

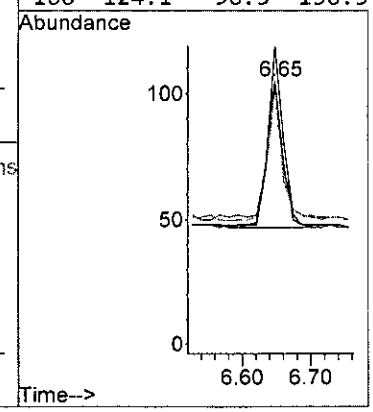




#45
Tetrachloroethene
Concen: 0.044 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030621.D
Acq: 06 Mar 2023 03:39 pm

Tgt Ion:164 Resp: 90

Ion	Ratio	Lower	Upper
164	100		
129	87.9	59.5	119.5
131	82.8	58.6	118.6
166	124.1	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	42489	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	40109	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22172	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	13781	10.388	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2544	9.658	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.60%			
35) Toluene-d8	6.11	98	41835	10.574	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 105.70%			
57) 4-Bromofluorobenzene	8.51	95	14074	10.296	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.25	50	398	N.D.		
6) Vinyl chloride	0.00		0	N.D. d		
7) Bromomethane	1.57	94	501	Below Cal	#	3
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.33	58	226	1.345	ppb #	49
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	506	0.760	ppb #	58
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	27	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

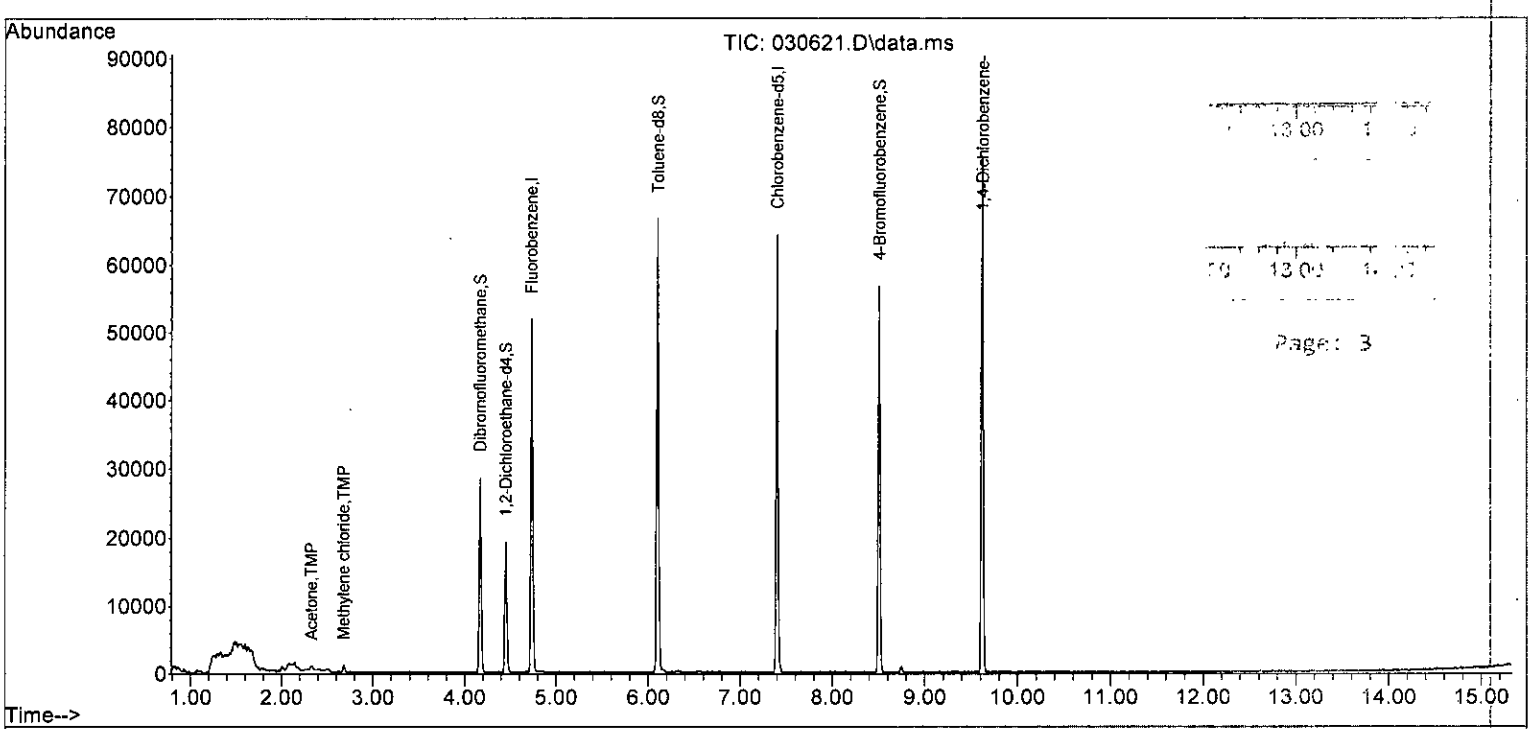
Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

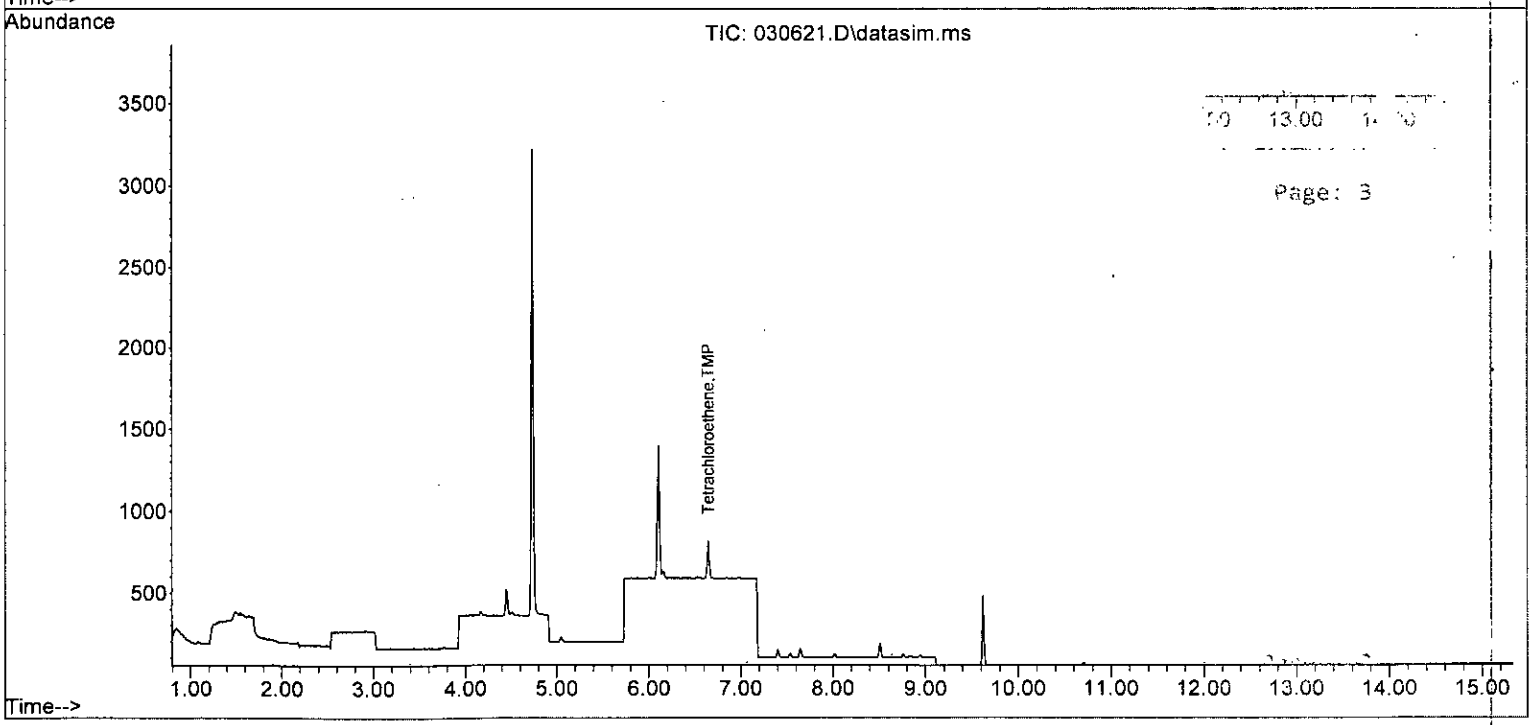
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	0.00		0	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	90	0.044	ppb	97
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.54	91	24	Below Cal		93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.64	106	29	Below Cal		87
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.		
67) sec-Butylbenzene	0.00		0	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030621.D
Acq On : 06 Mar 2023 03:39 pm
Operator : lm
Sample : 03-0348 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



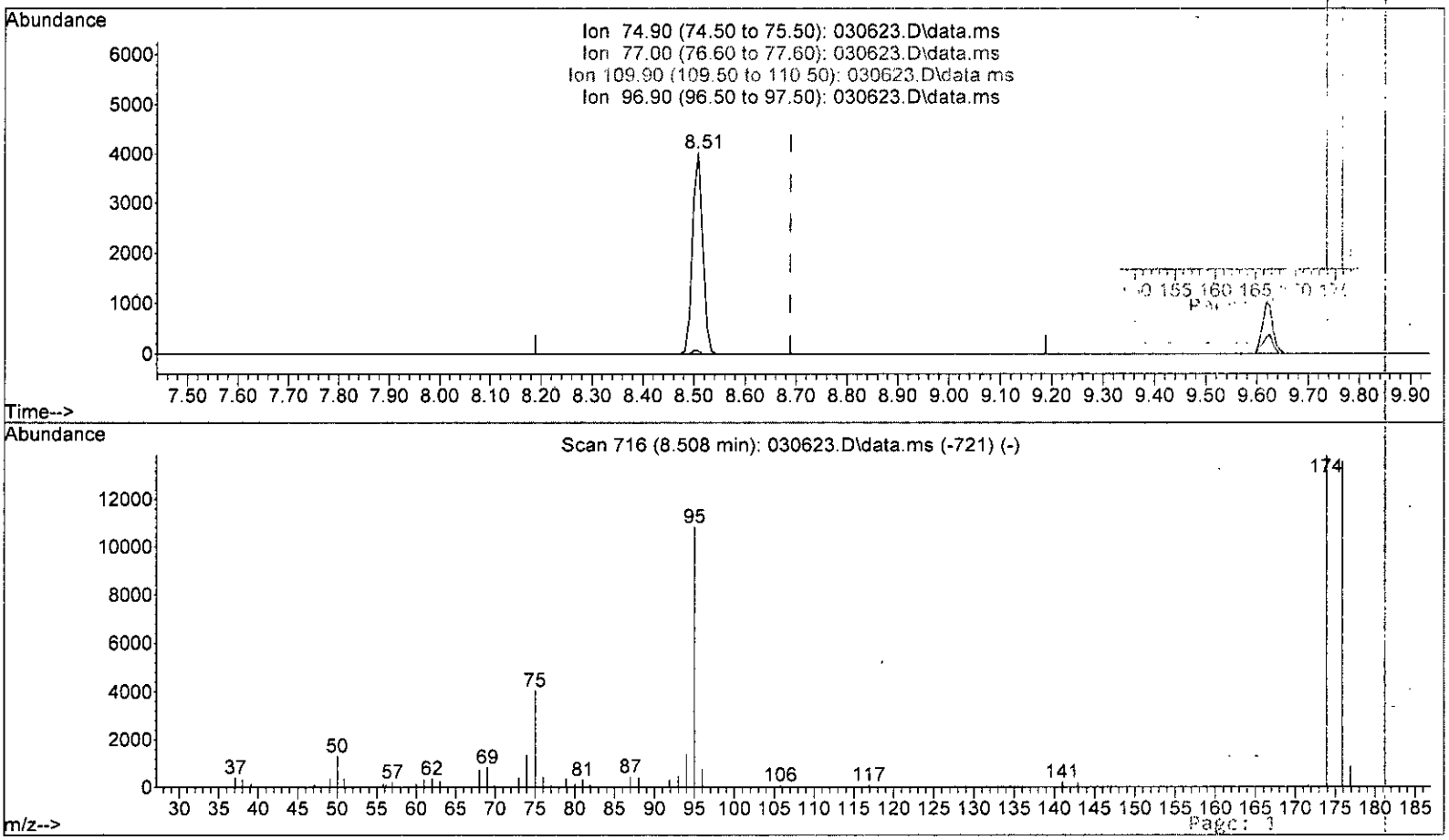


EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030623.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 6.828 ppb

response 5510

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	1.64#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	42662	10.000	ppb	0.01
39) Chlorobenzene-d5	7.41	117	40593	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22118	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14119	10.600	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.00%			
30) 1,2-Dichloroethane-d4	4.46	102	2904	10.980	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 109.80%			
35) Toluene-d8	6.11	98	42688	10.746	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 107.50%			
57) 4-Bromofluorobenzene	8.51	95	14502	10.634	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 106.30%			
Target Compounds						Qvalue
7) Bromomethane	1.56	94	391	Below Cal	#	17
14) Methylene chloride	2.69	84	1857	2.066	ppb	94
45] Tetrachloroethene	6.65	164	90	0.044	ppb	94
49] Ethylbenzene	7.53	91	28	Below Cal		87
51] m,p-Xylene	7.65	106	27	Below Cal		91

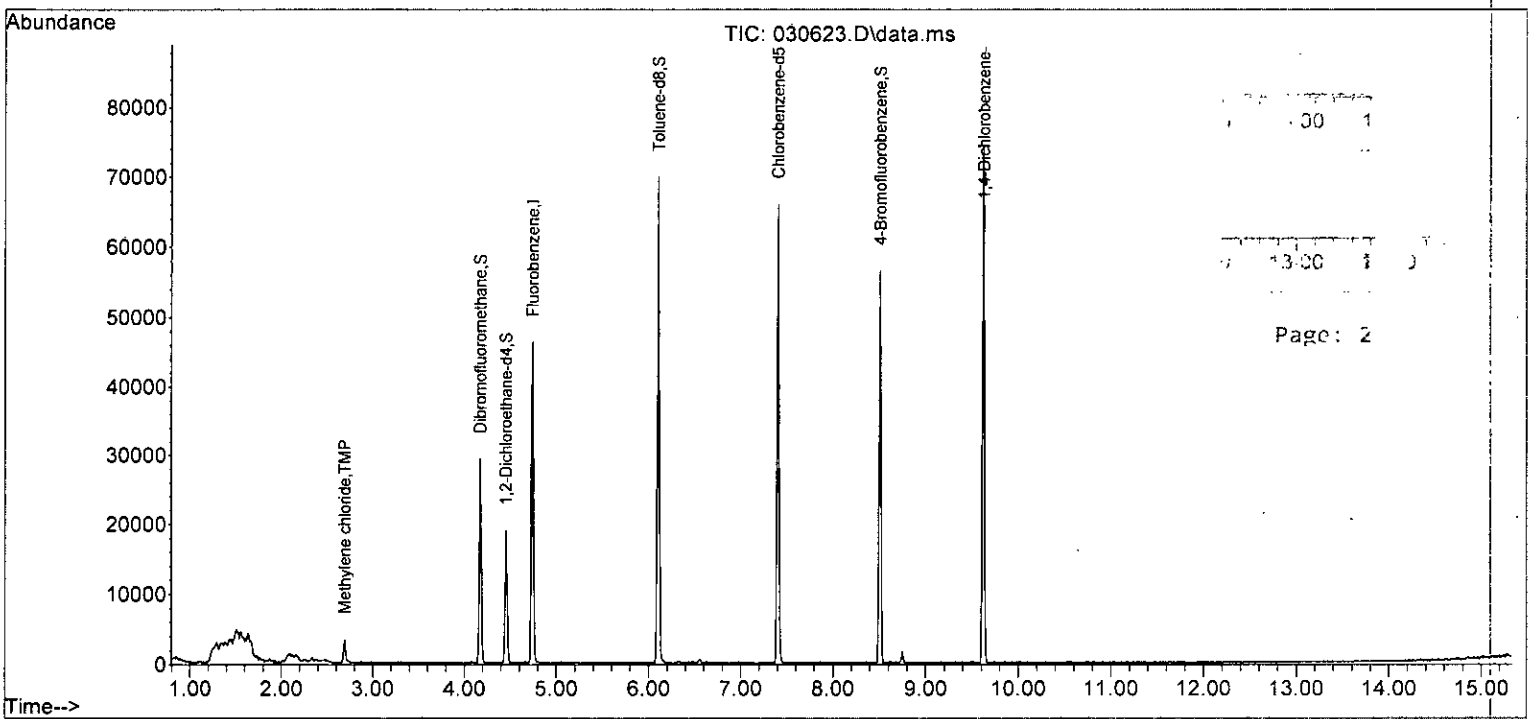
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

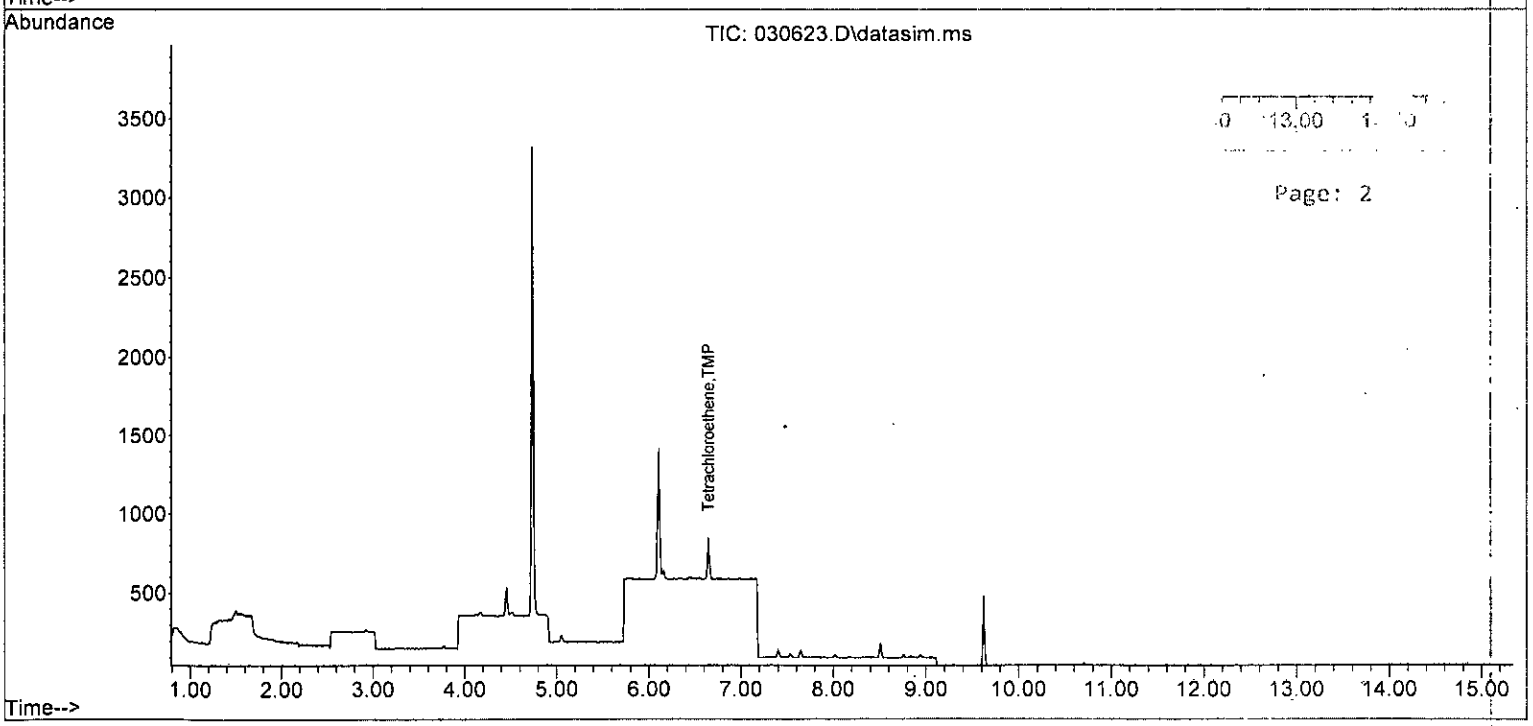
Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Page: 2

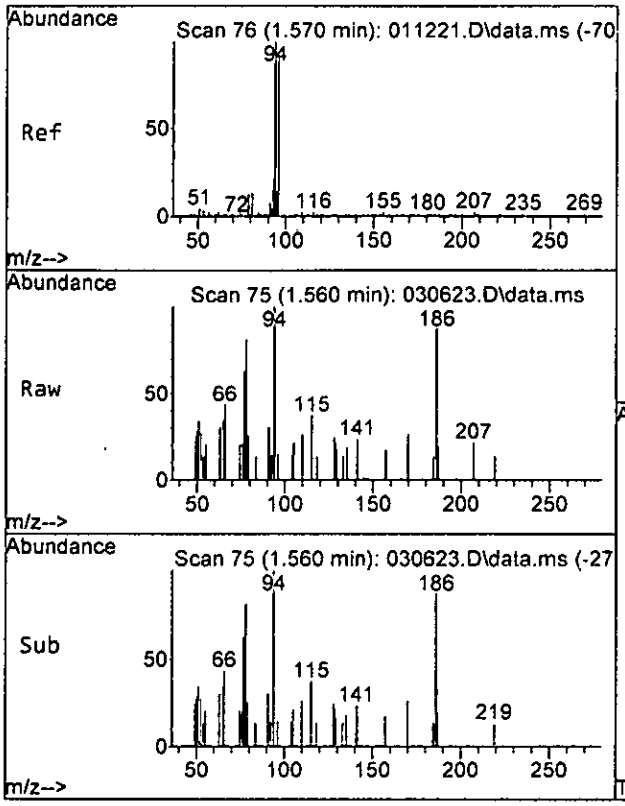
Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Page: 2



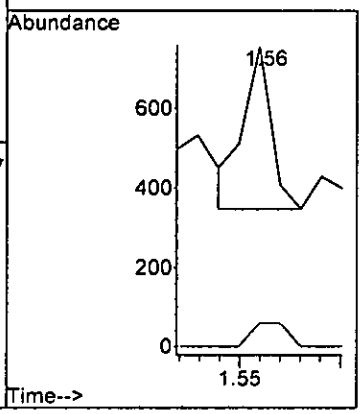
Page: 2

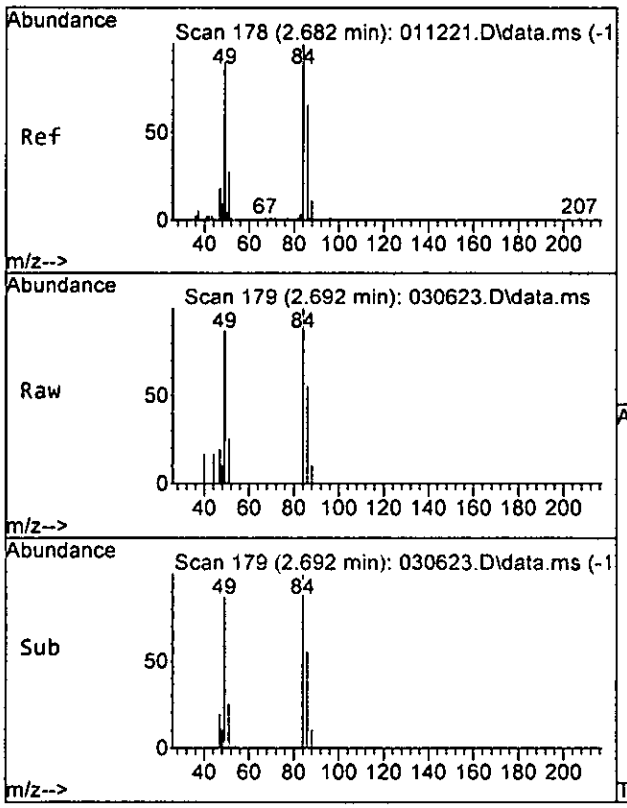


#7
Bromomethane
Concen: Below Cal
RT: 1.56 min Scan# 75
Delta R.T. -0.010 min
Lab File: 030623.D
Acq: 06 Mar 2023 04:25 pm

Tgt Ion: 94 Resp: 391

Ion	Ratio	Lower	Upper
94	100		
96	14.4	64.3	124.3#

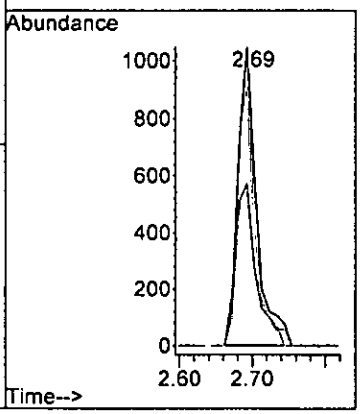


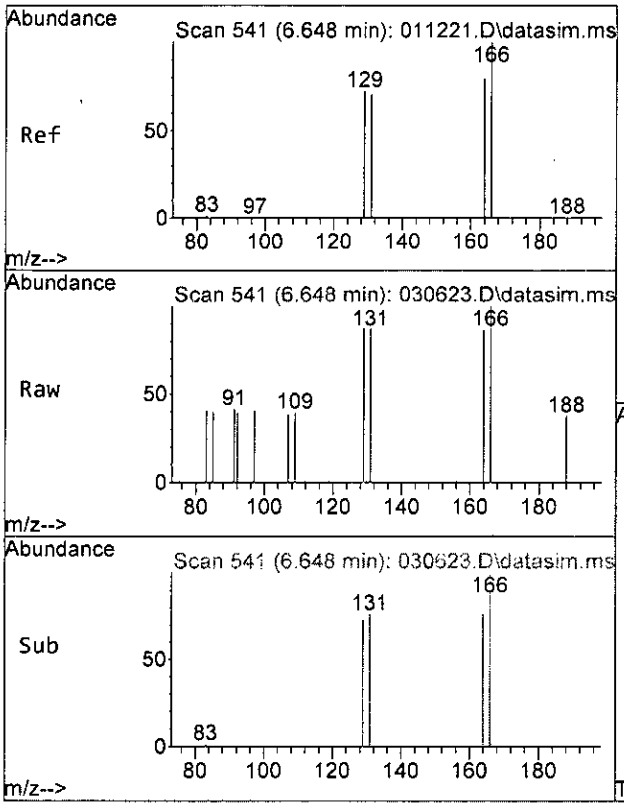


#14
Methylene chloride
Concen: 2.066 ppb
RT: 2.69 min Scan# 179
Delta R.T. 0.000 min
Lab File: 030623.D
Acq: 06 Mar 2023 04:25 pm

Tgt Ion: 84 Resp: 1857

Ion	Ratio	Lower	Upper
84	100		
86	54.6	35.3	95.3
49	86.8	57.8	117.8

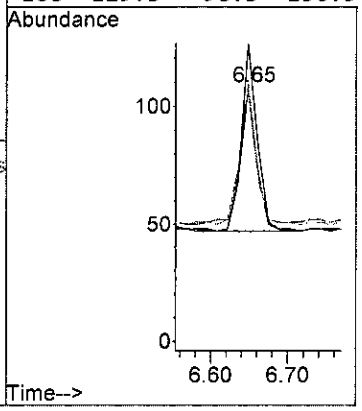




#45
Tetrachloroethene
Concen: 0.044 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.000 min
Lab File: 030623.D
Acq: 06 Mar 2023 04:25 pm

Tgt Ion:164 Resp: 90

Ion	Ratio	Lower	Upper
164	100		
129	95.1	59.5	119.5
131	98.4	58.6	118.6
166	129.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	42662	10.000	ppb	0.01
39) Chlorobenzene-d5	7.41	117	40593	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22118	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14119	10.600	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.00%			
30) 1,2-Dichloroethane-d4	4.46	102	2904	10.980	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 109.80%			
35) Toluene-d8	6.11	98	42688	10.746	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 107.50%			
57) 4-Bromofluorobenzene	8.51	95	14502	10.634	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 106.30%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.28	50	556	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.56	94	391	Below Cal #		17
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.34	58	112	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	1857	2.066	ppb	94
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D.		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

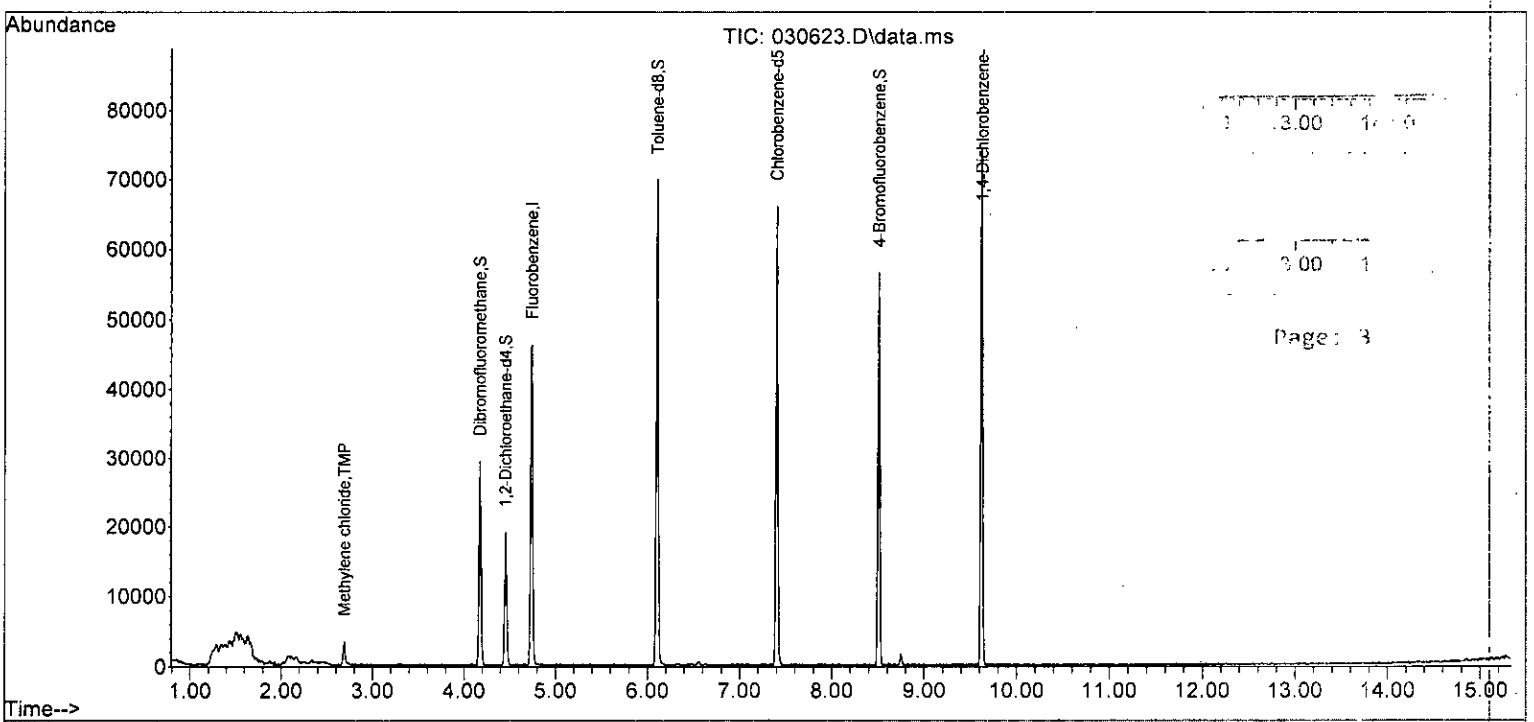
Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

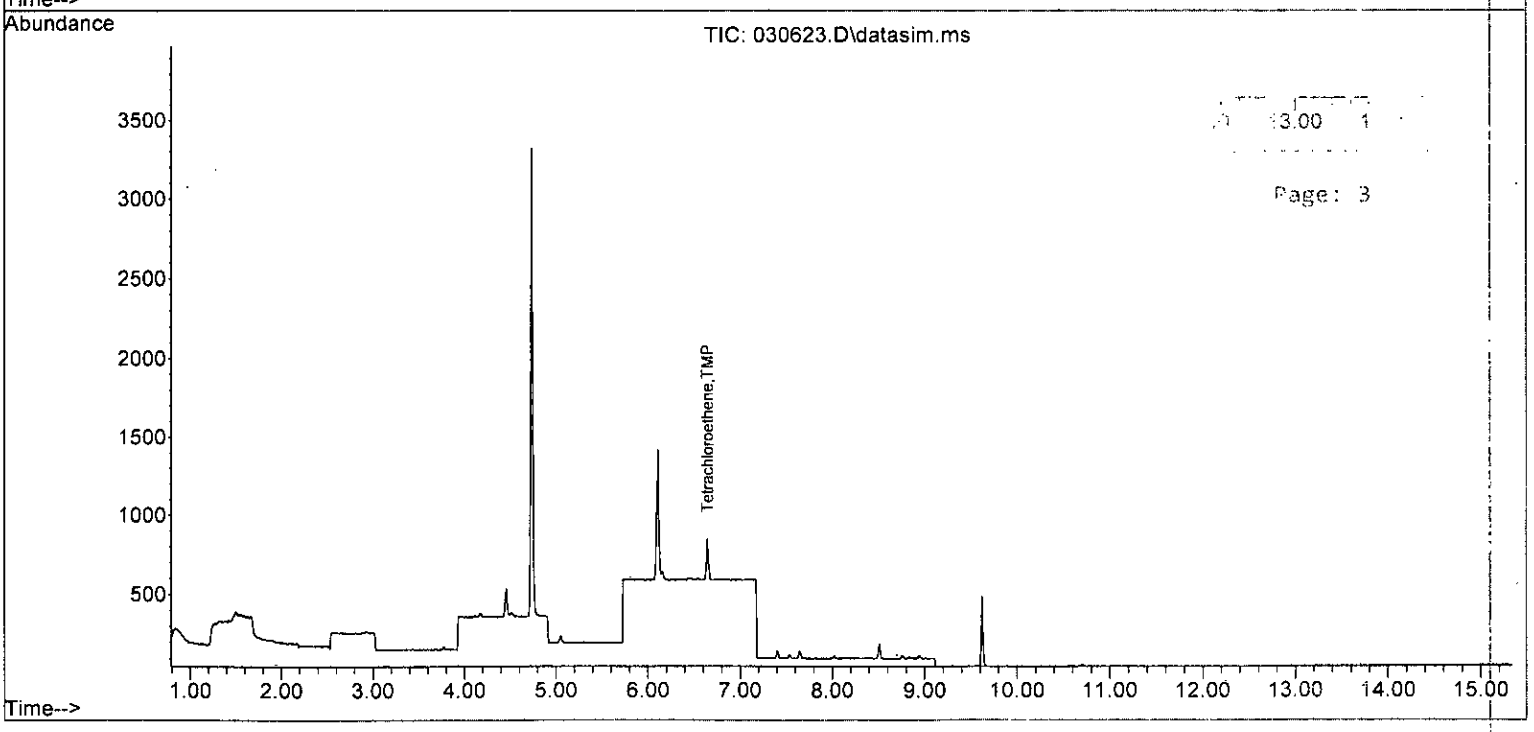
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	0.00		0	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	90	0.044	ppb	94
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49] Ethylbenzene	7.53	91	28	Below Cal		87
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	27	Below Cal		91
52) o-Xylene	0.00		0	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.		
67) sec-Butylbenzene	0.00		0	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D.		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-06-23\
Data File : 030623.D
Acq On : 06 Mar 2023 04:25 pm
Operator : lm
Sample : 302322-01 rr
Misc : water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 07 08:05:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

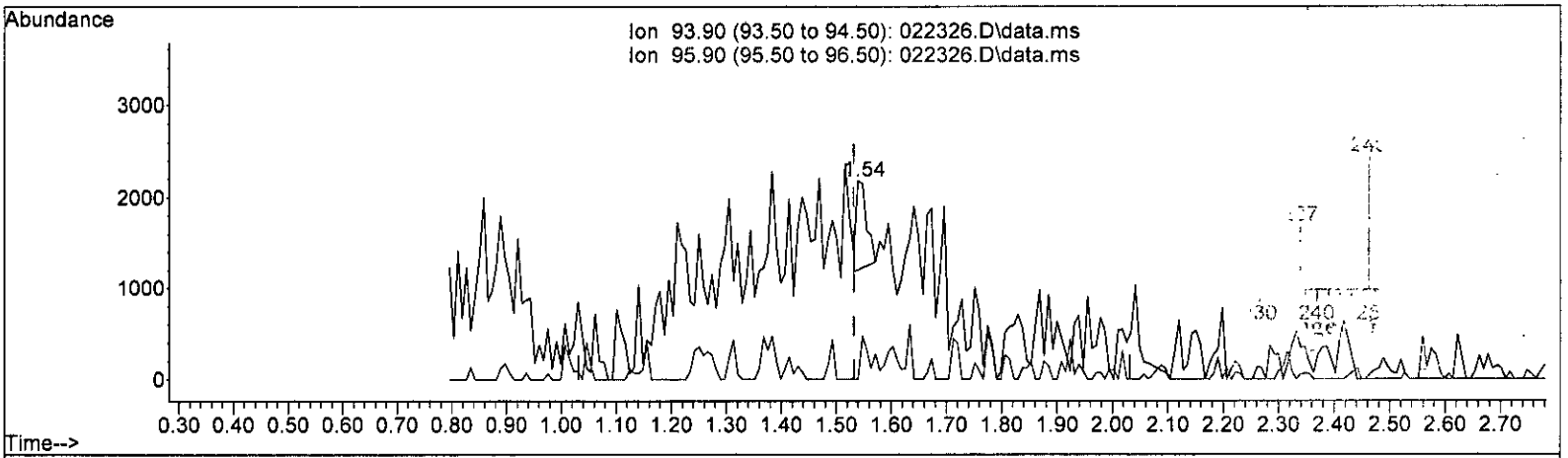


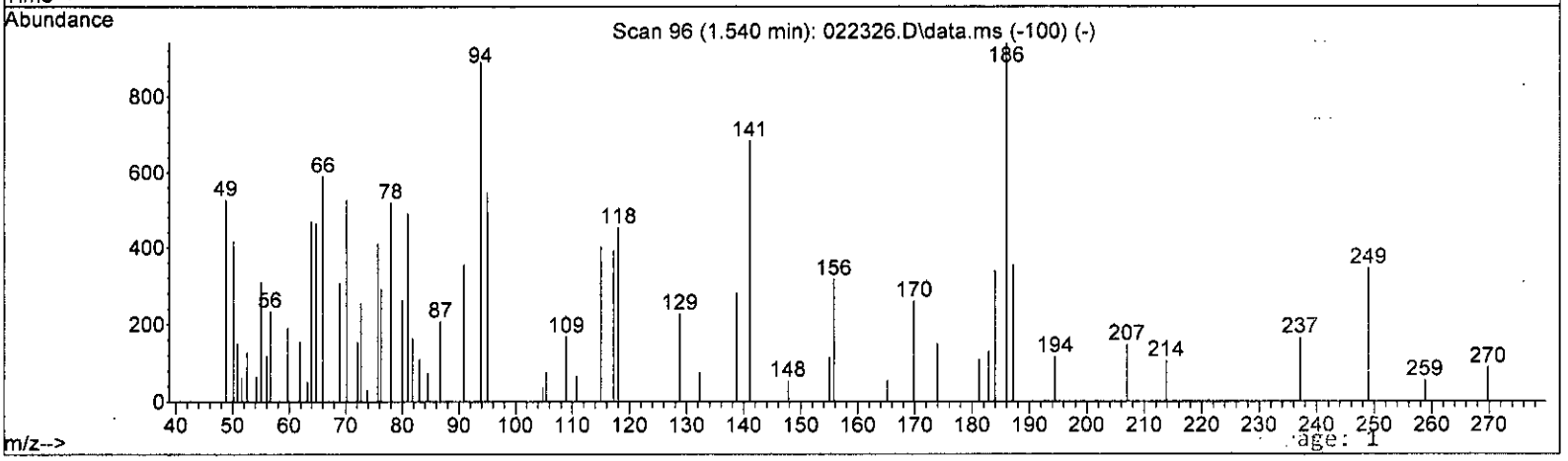


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022326.D\data.ms

(7) Bromomethane (TMP)

1.540min (+ 0.008) 0.121 ppb

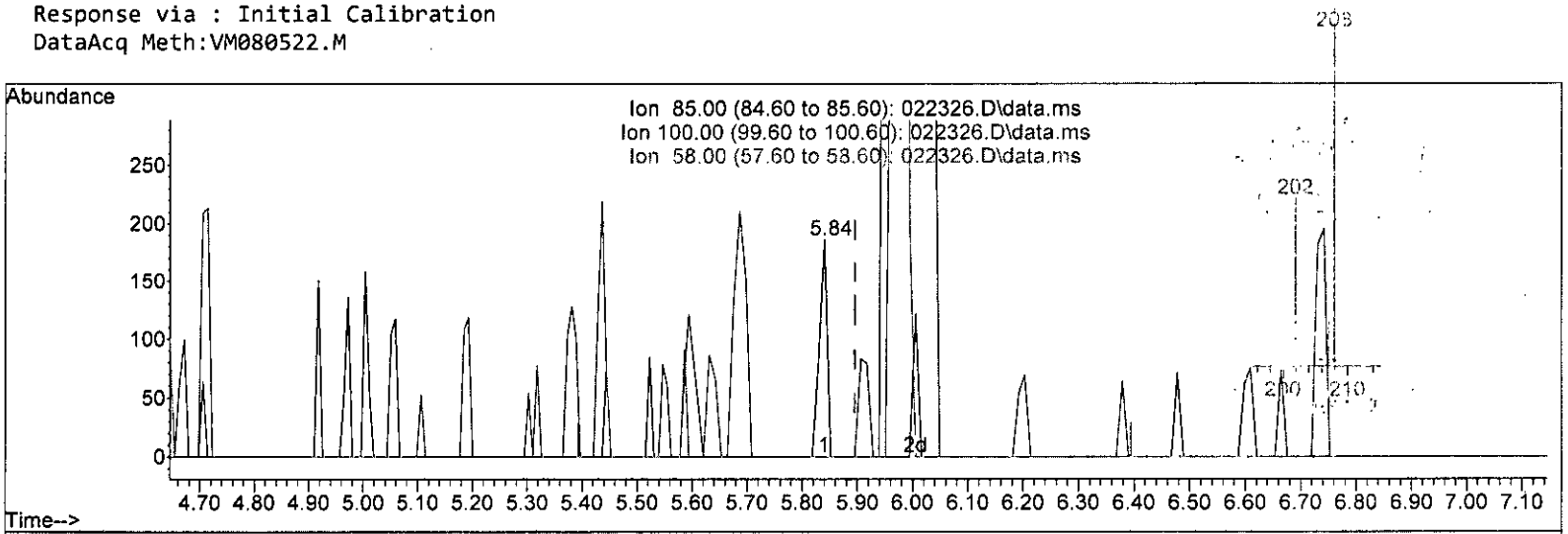
response 1253

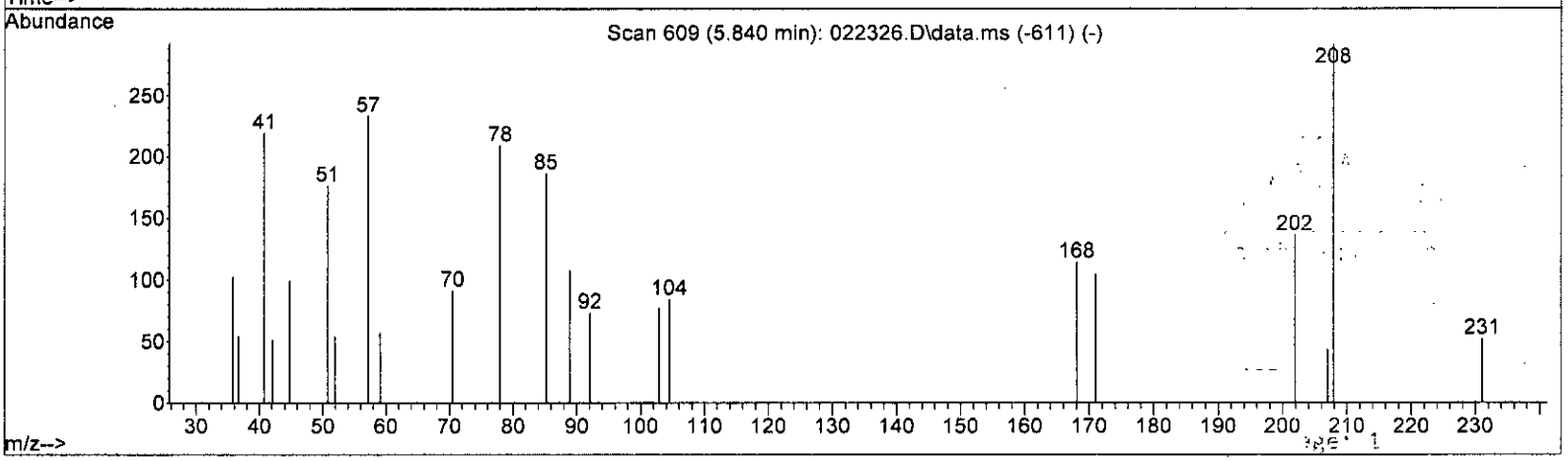
Ion	Exp%	Act%
93.90	100.00	100.00
95.90	102.10	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





TIC: 022326.D\data.ms

(37) 4-Methyl-2-pentanone (TMP)
5.840min (-0.055) 0.125 ppb
response 176

Ion	Exp%	Act%
85.00	100.00	100.00
100.00	81.50	0.00#
58.00	297.10	0.00#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

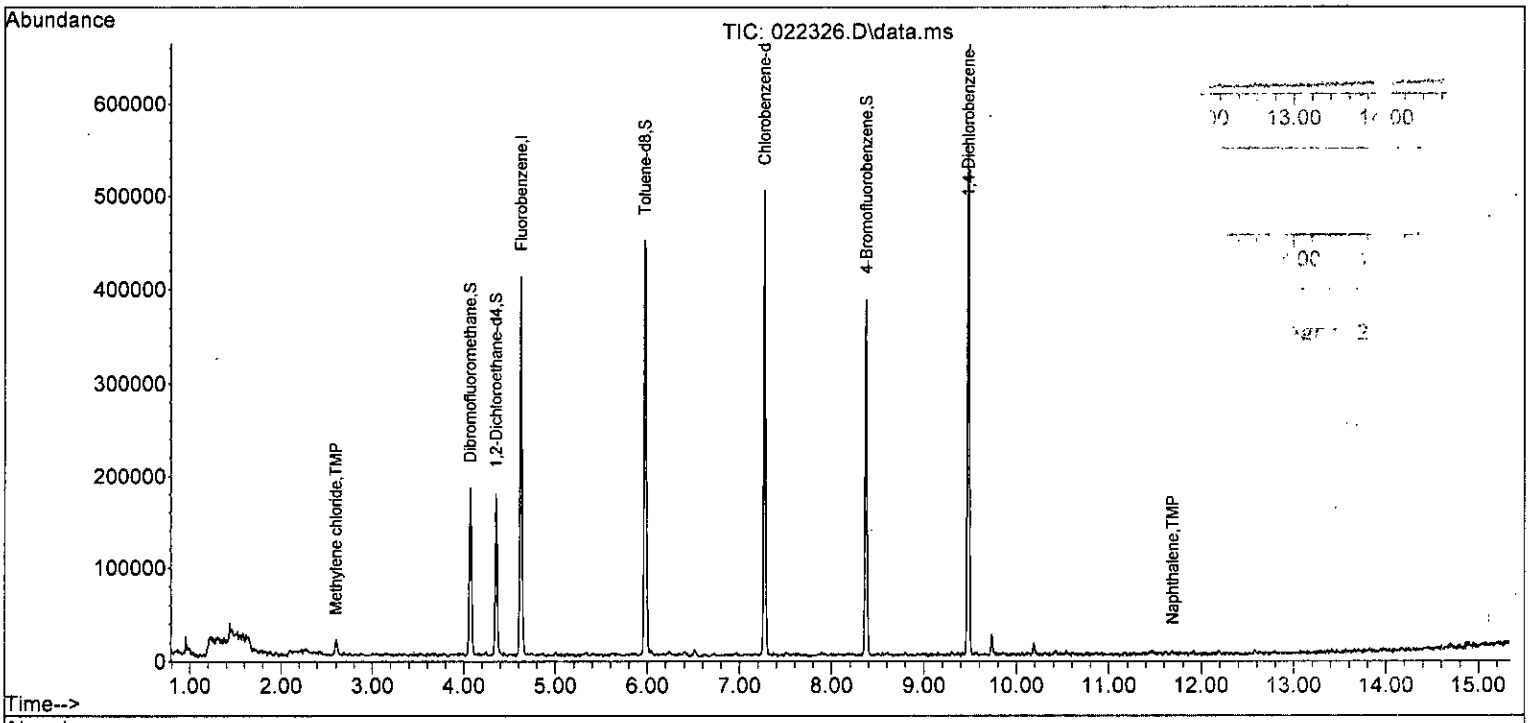
Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

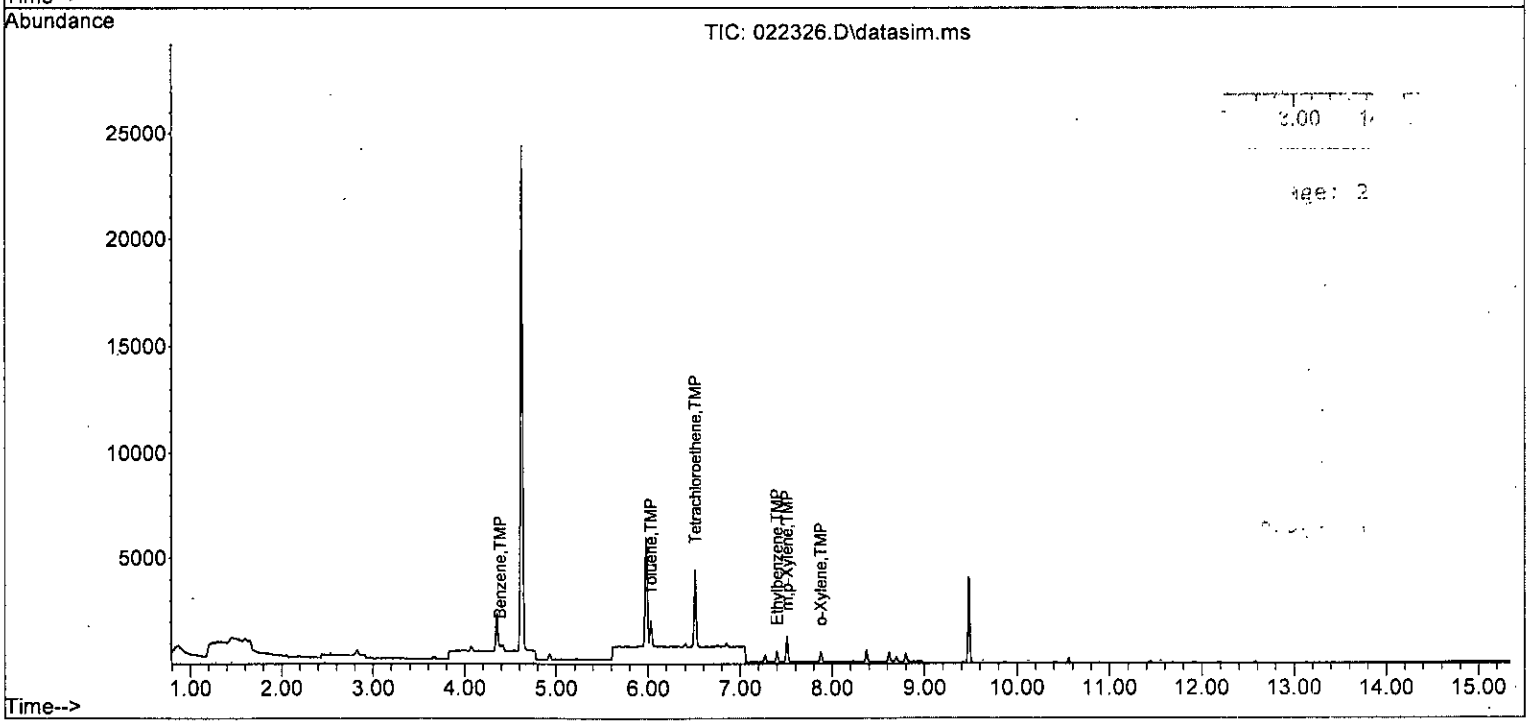
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	288234	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	228669	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	133187	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	82883	10.334	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%			
30) 1,2-Dichloroethane-d4	4.35	102	16958	9.515	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.10%			
35) Toluene-d8	5.97	98	271914	10.023	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	96331	9.984	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.80%			
Target Compounds						Qvalue
14) Methylene chloride	2.60	84	5313	0.661	ppb	# 68
17] trans-1,2-Dichloroethene	2.83	96	104	Below Cal		# 73
21) 2,2-Dichloropropane	3.65	77	552	Below Cal		53
22] cis-1,2-Dichloroethene	3.67	96	76	Below Cal		# 45
31] Benzene	4.39	78	342	0.011	ppb	95
32] Trichloroethene	4.93	95	111	Below Cal		85
40] Toluene	6.03	92	637	0.032	ppb	98
45] Tetrachloroethene	6.51	164	1289	0.140	ppb	97
49] Ethylbenzene	7.40	91	472	0.013	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.36	131	93	Below Cal		# 8
51] m,p-Xylene	7.51	106	547	0.012	ppb	92
52] o-Xylene	7.88	106	208	0.014	ppb	97
75) Naphthalene	11.69	128	1838	0.053	ppb	80

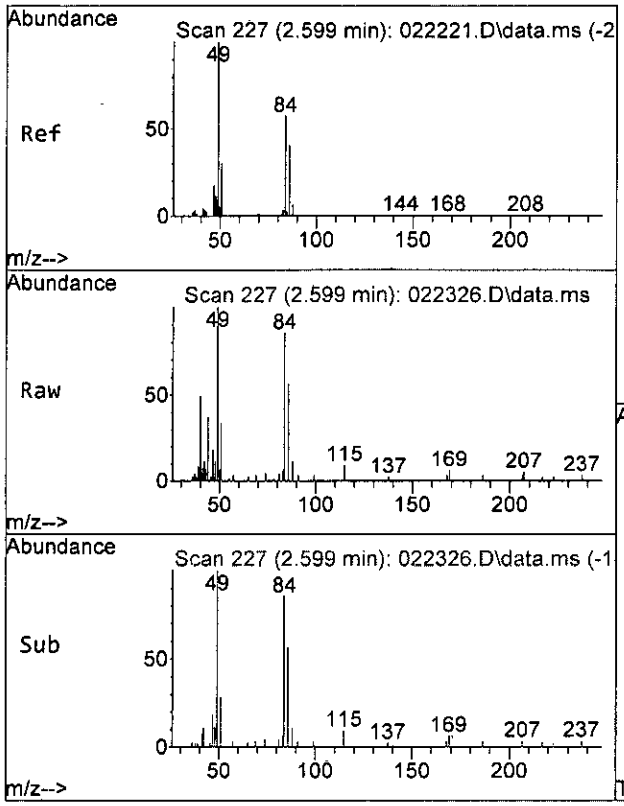
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



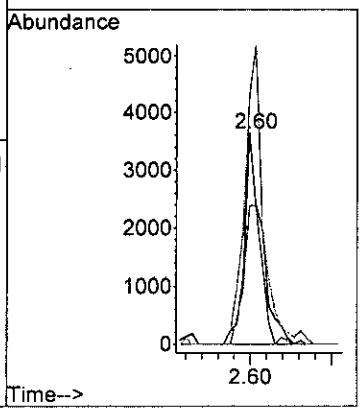


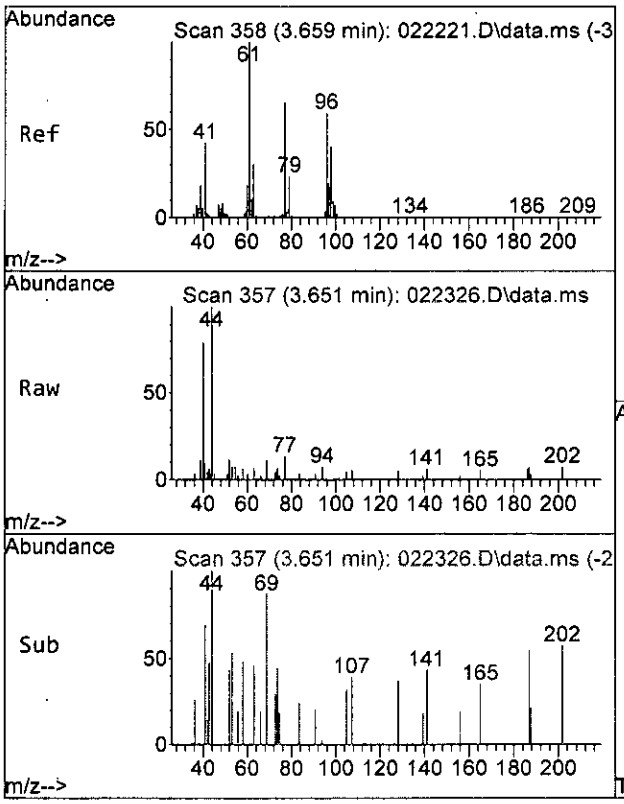


#14
Methylene chloride
Concen: 0.661 ppb
RT: 2.60 min Scan# 227
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion: 84 Resp: 5313

Ion	Ratio	Lower	Upper
84	100		
86	65.5	40.3	100.3
49	117.9	147.3	207.3#

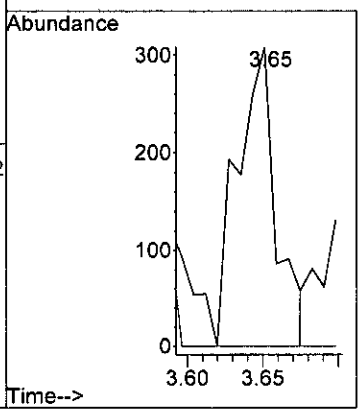


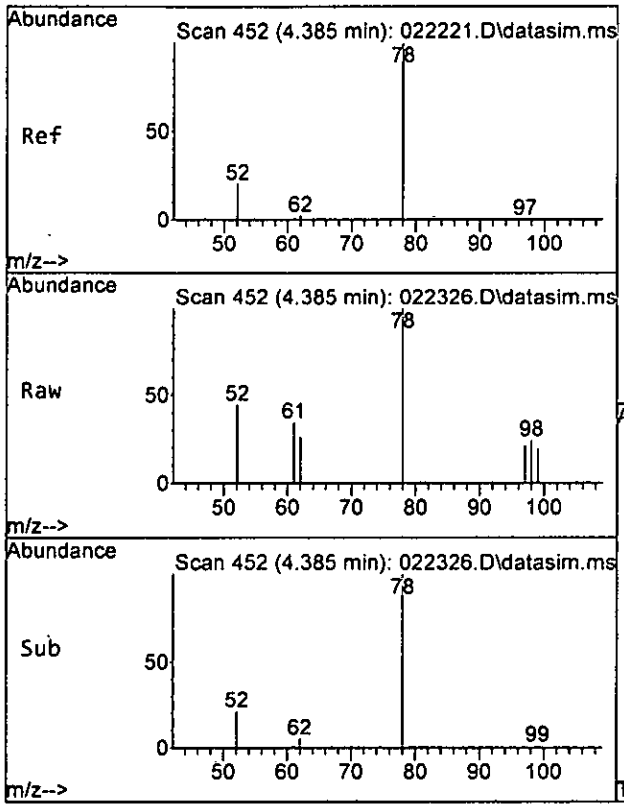


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.65 min Scan# 357
Delta R.T. -0.008 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion: 77 Resp: 552

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

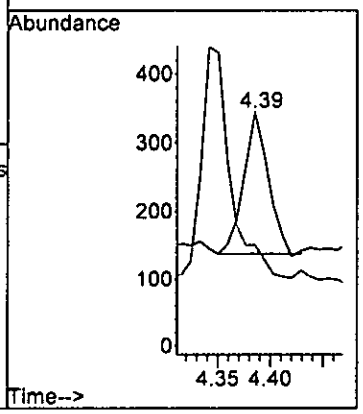


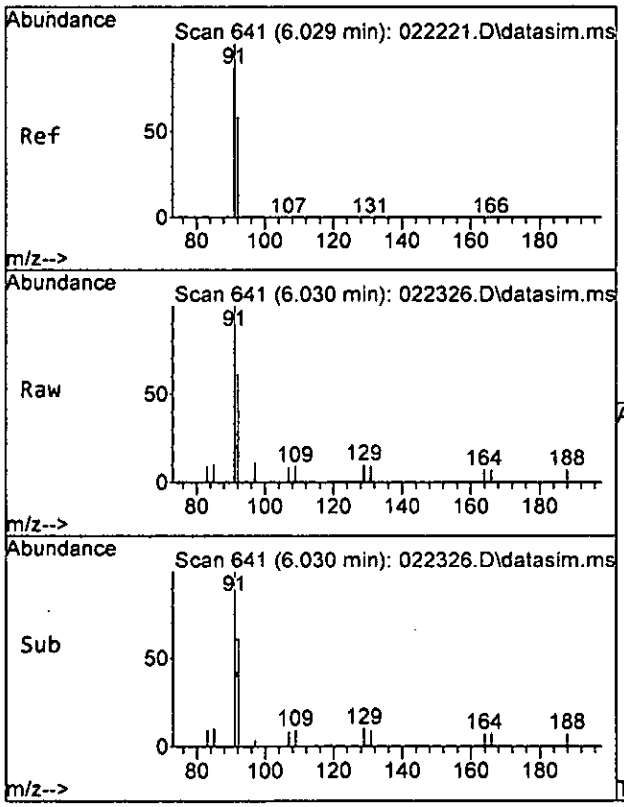


#31
Benzene
Concen: 0.011 ppb
RT: 4.39 min Scan# 452
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion: 78 Resp: 342

Ion	Ratio	Lower	Upper
78	100		
52	18.4	0.0	50.6

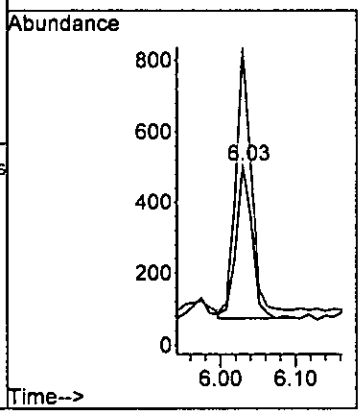


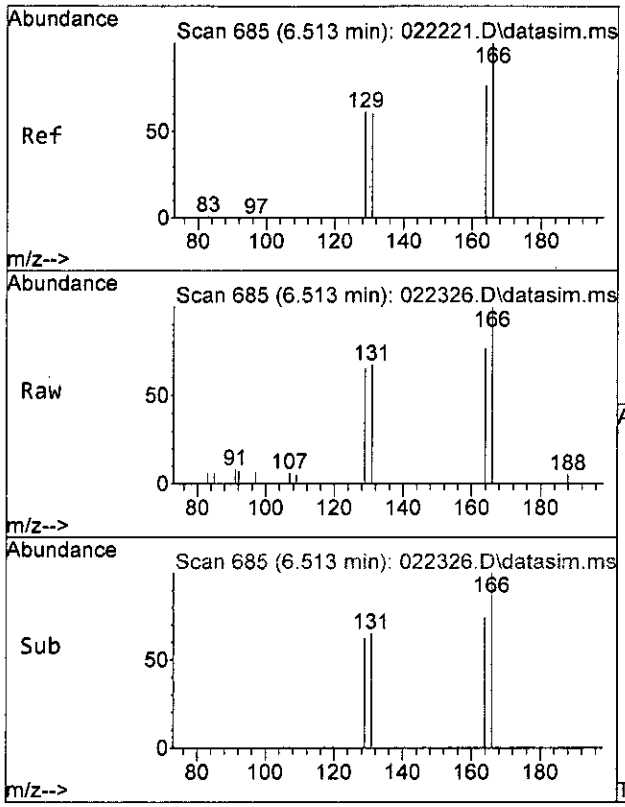


#40
Toluene
Concen: 0.032 ppb
RT: 6.03 min Scan# 641
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion: 92 Resp: 637

Ion	Ratio	Lower	Upper
92	100		
91	172.5	144.6	204.6

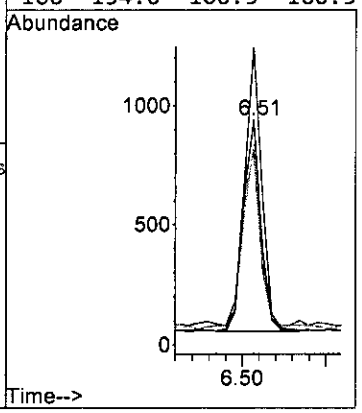


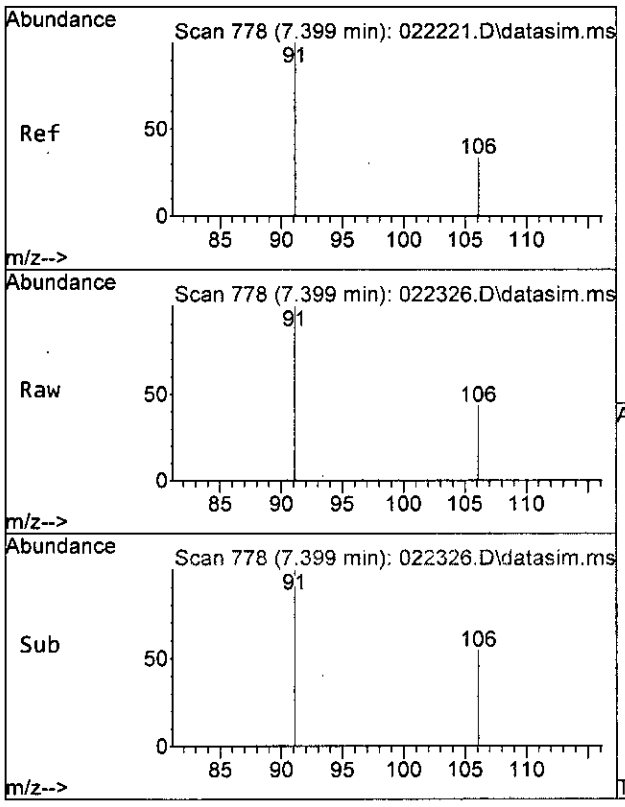


#45
Tetrachloroethene
Concen: 0.140 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion:164 Resp: 1289

Ion	Ratio	Lower	Upper
164	100		
129	82.5	52.8	112.8
131	85.9	52.4	112.4
166	134.0	100.5	160.5

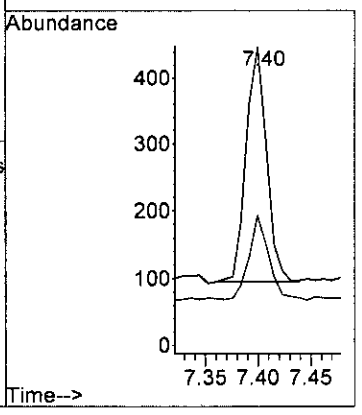


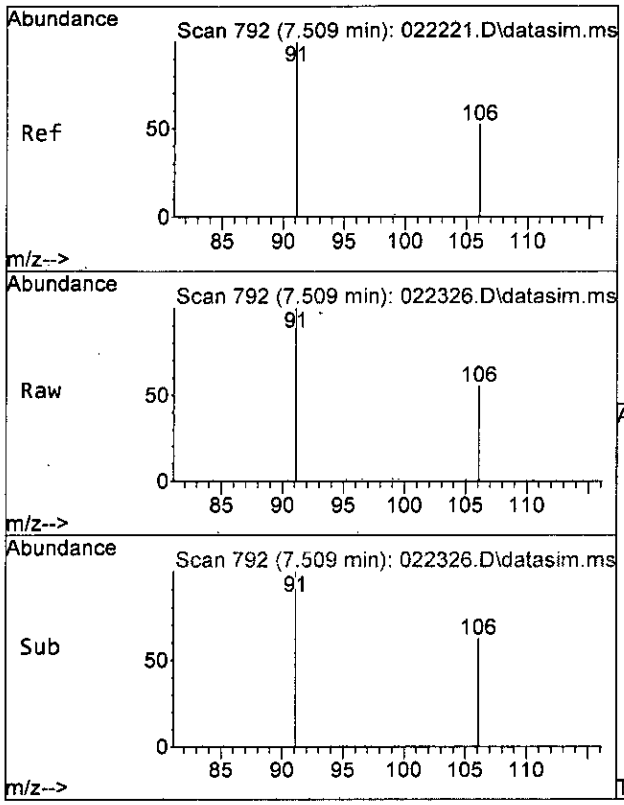


#49
Ethylbenzene
Concen: 0.013 ppb
RT: 7.40 min Scan# 778
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion: 91 Resp: 472

Ion	Ratio	Lower	Upper
91	100		
106	34.8	1.4	61.4

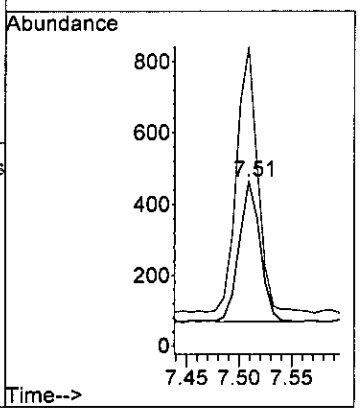


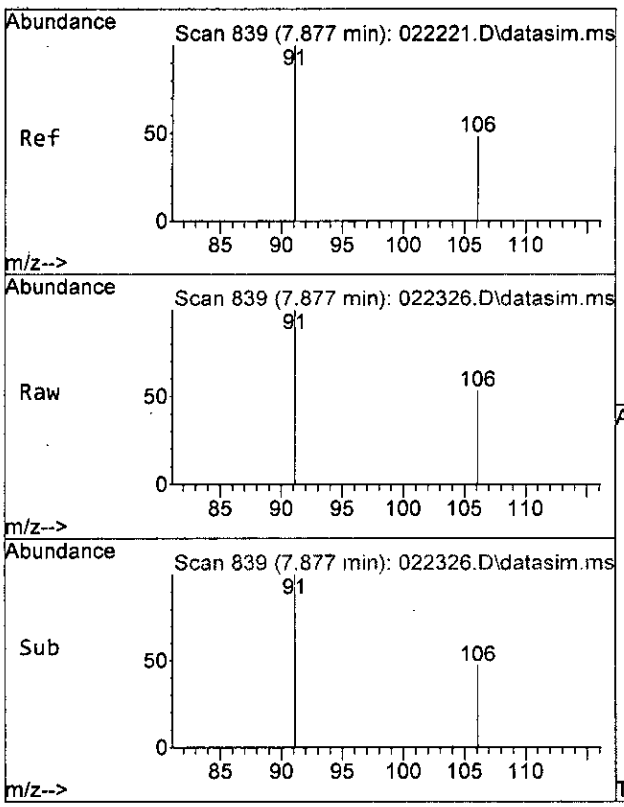


#51
m,p-Xylene
Concen: 0.012 ppb
RT: 7.51 min Scan# 792
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion:106 Resp: 547

Ion	Ratio	Lower	Upper
106	100		
91	187.6	169.6	229.6

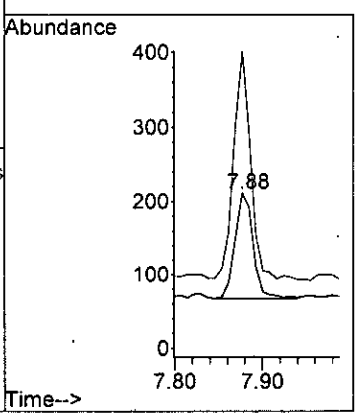


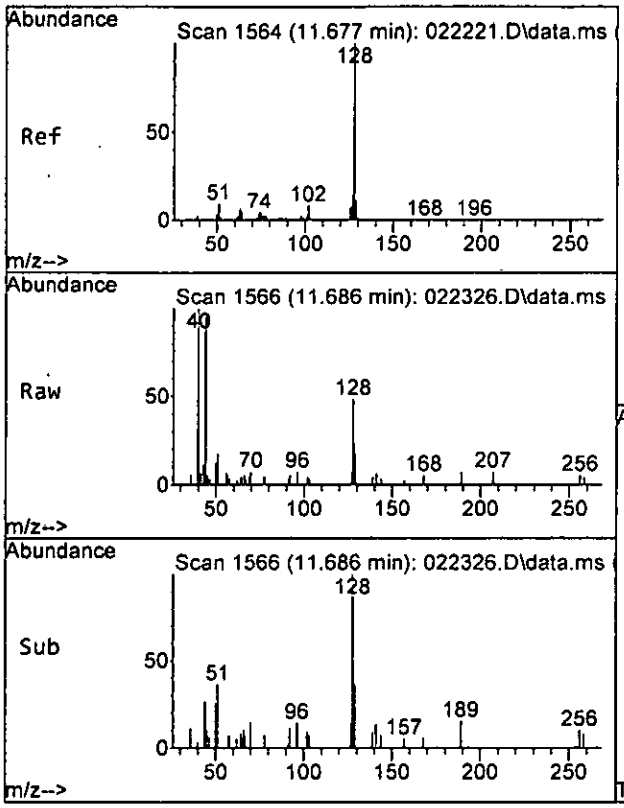


#52
o-Xylene
Concen: 0.014 ppb
RT: 7.88 min Scan# 839
Delta R.T. 0.000 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion:106 Resp: 208

Ion	Ratio	Lower	Upper
106	100		
91	213.9	188.4	248.4

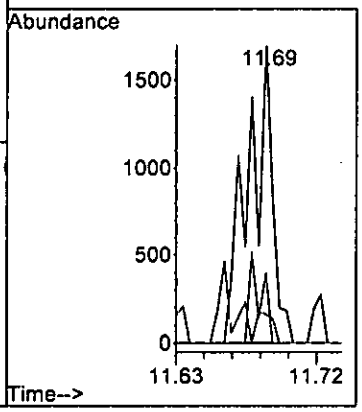




#75
Naphthalene
Concen: 0.053 ppb
RT: 11.69 min Scan# 1566
Delta R.T. 0.009 min
Lab File: 022326.D
Acq: 23 Feb 2023 05:49 pm

Tgt Ion:128 Resp: 1838

Ion	Ratio	Lower	Upper
128	100		
129	23.4	0.0	40.5
127	9.6	0.0	43.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.63	96	288234	10.000	ppb	0.00
39) Chlorobenzene-d5	7.27	117	228669	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	133187	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.07	113	82883	10.334	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%			
30) 1,2-Dichloroethane-d4	4.35	102	16958	9.515	ppb	0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 95.10%			
35) Toluene-d8	5.97	98	271914	10.023	ppb	0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 100.20%			
57) 4-Bromofluorobenzene	8.38	95	96331	9.984	ppb	0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 99.80%			
Target Compounds						Qvalue
2) Ethanol	1.85	45	377	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.23	50	9047	N.D.		
6) Vinyl chloride	1.29	62	107	N.D.		
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	2.39	45	423	No Calib		
11) Acetone	2.26	58	1467	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	3.04	57	664	N.D.		
14) Methylene chloride	2.60	84	5313	0.661	ppb #	68
15) t-Butyl alcohol (TBA)	2.69	59	97	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.83	96	104	Below Cal	#	73
18) Diisopropyl ether (DIPE)	3.24	45	135	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	3.65	77	552	Below Cal		53
22] cis-1,2-Dichloroethene	3.67	96	76	Below Cal	#	45
23) Chloroform	3.94	83	918	N.D.		
24) 2-Butanone (MEK)	3.71	43	553	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.41	62	336	N.D.		
27) 1,1,1-Trichloroethane	4.07	97	66	N.D.		
28) 1,1-Dichloropropene	4.22	75	111	N.D.		
29) Carbon tetrachloride	4.23	117	160	N.D.		
31] Benzene	4.39	78	342	0.011	ppb	95
32] Trichloroethene	4.93	95	111	Below Cal		85
33) 1,2-Dichloropropane	5.15	63	148	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	5.15	93	244	N.D.		

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

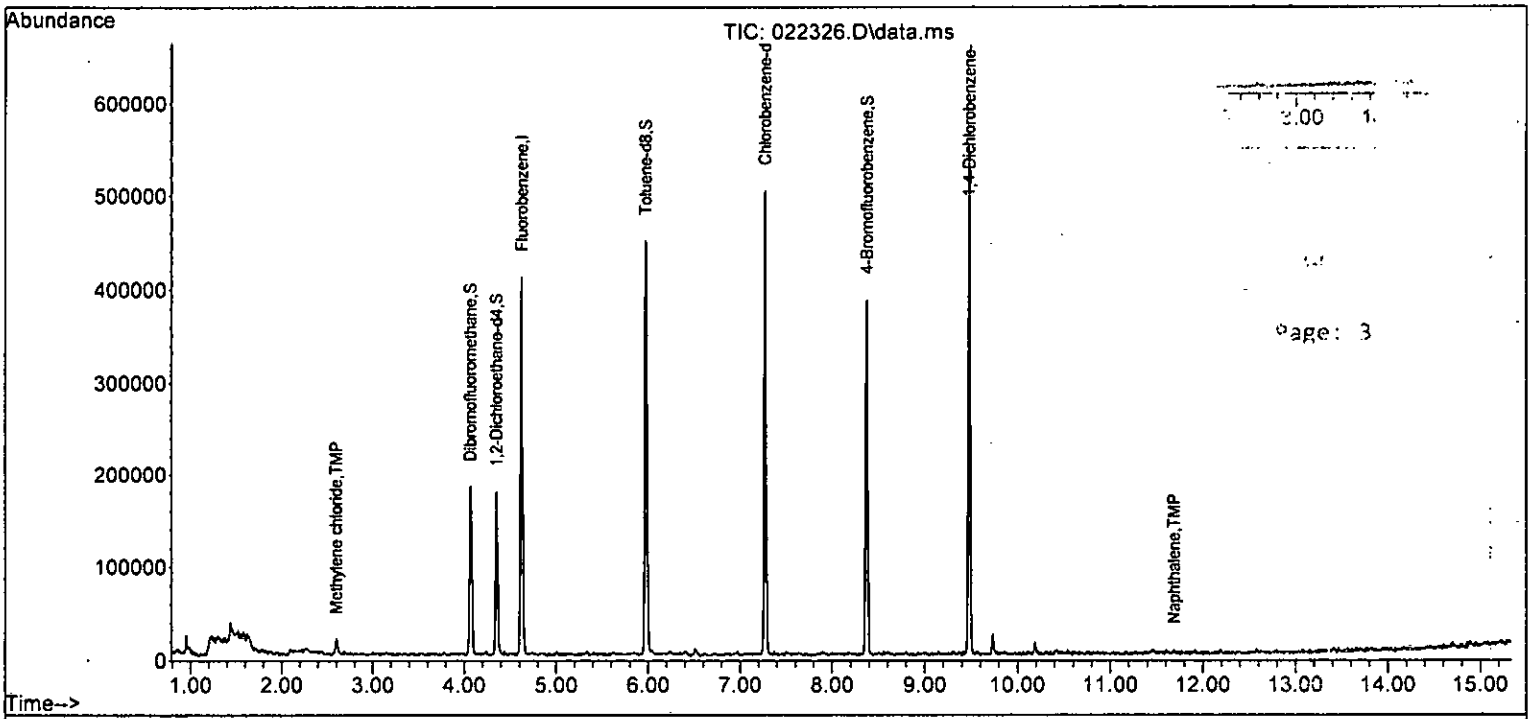
Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

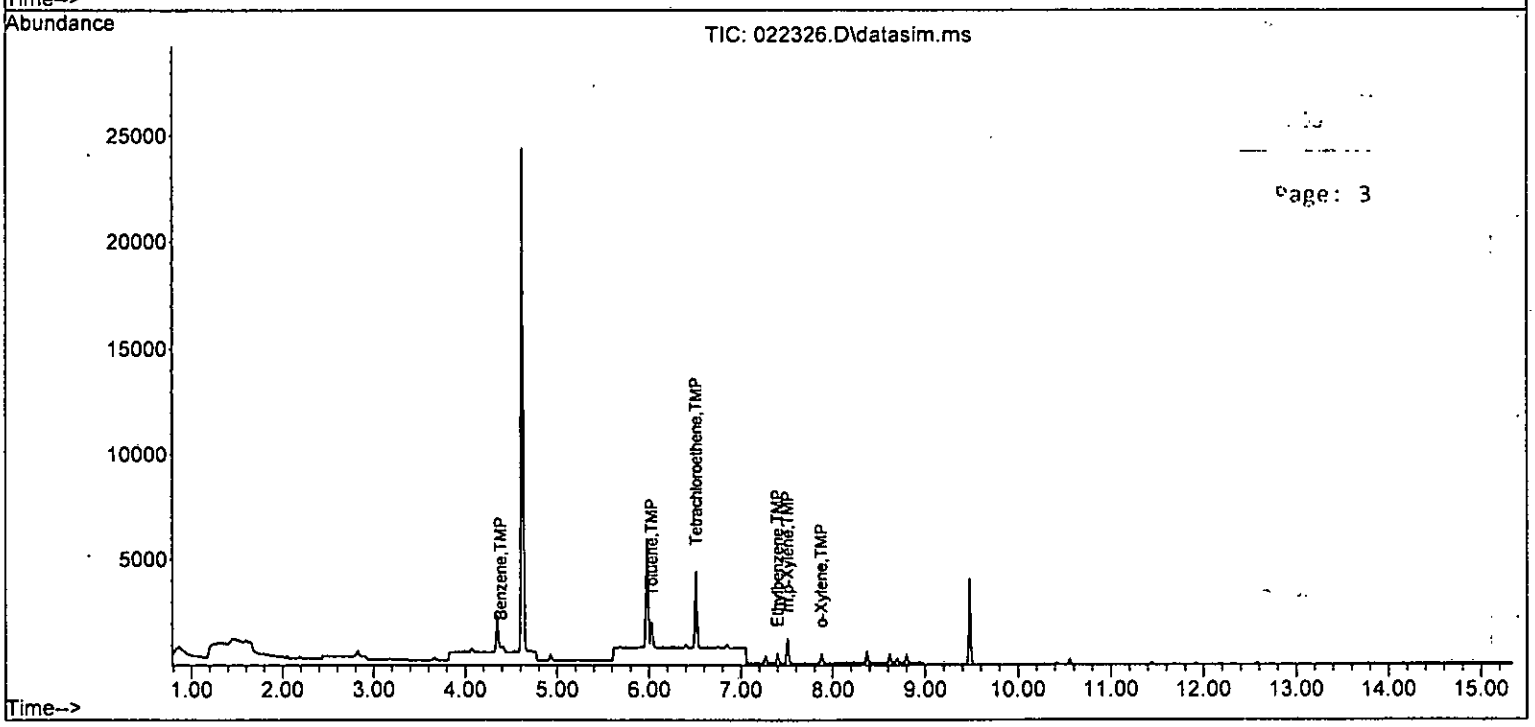
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	5.75	75	290	N.D.		
40] Toluene	6.03	92	637	0.032	ppb	98
41) trans-1,3-Dichloropropene	6.25	75	417	N.D.		
42) 1,1,2-Trichloroethane	6.40	83	174	N.D.		
43) 2-Hexanone	6.68	43	392	N.D.		
44) 1,3-Dichloropropane	6.42	76	84	N.D.		
45] Tetrachloroethene	6.51	164	1289	0.140	ppb	97
46) Dibromochloromethane	6.75	129	471	N.D.		
47) 1,2-Dibromoethane (EDB)	6.85	107	120	N.D.		
48) Chlorobenzene	7.30	112	427	N.D.		
49] Ethylbenzene	7.40	91	472	0.013	ppb	94
50) 1,1,1,2-Tetrachloroethane	7.36	131	93	Below Cal	#	8
51] m,p-Xylene	7.51	106	547	0.012	ppb	92
52] o-Xylene	7.88	106	208	0.014	ppb	97
53) Styrene	7.89	104	326	N.D.		
54) Isopropylbenzene	8.23	105	457	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	8.69	91	605	N.D.		
59) Bromobenzene	8.52	156	96	N.D.		
60) 1,3,5-Trimethylbenzene	8.79	105	483	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	8.61	75	101	N.D.		
63) 2-Chlorotoluene	8.69	91	605	N.D.		
64) 4-Chlorotoluene	8.80	91	782	N.D.		
65) tert-Butylbenzene	9.00	119	115	N.D.		
66) 1,2,4-Trimethylbenzene	9.15	105	1084	N.D.		
67) sec-Butylbenzene	9.31	105	446	N.D.		
68) p-Isopropyltoluene	9.46	119	488	N.D.		
69) 1,3-Dichlorobenzene	9.42	146	785	N.D.		
70) 1,4-Dichlorobenzene	9.42	146	785	N.D.		
71) 1,2-Dichlorobenzene	9.86	146	341	N.D.		
72) 1,2-Dibromo-3-chloropr...	10.55	75	108	N.D.		
73) 1,2,4-Trichlorobenzene	11.44	180	639	N.D.		
74) Hexachlorobutadiene	11.60	225	132	N.D.		
75) Naphthalene	11.69	128	1838	0.053	ppb	80
76) 1,2,3-Trichlorobenzene	11.92	180	500	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022326.D
Acq On : 23 Feb 2023 05:49 pm
Operator : LM
Sample : 302322-02
Misc : water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:16 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022327.D
Acq On : 23 Feb 2023 06:11 pm
Operator : LM
Sample : 302322-03
Misc : water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:20 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

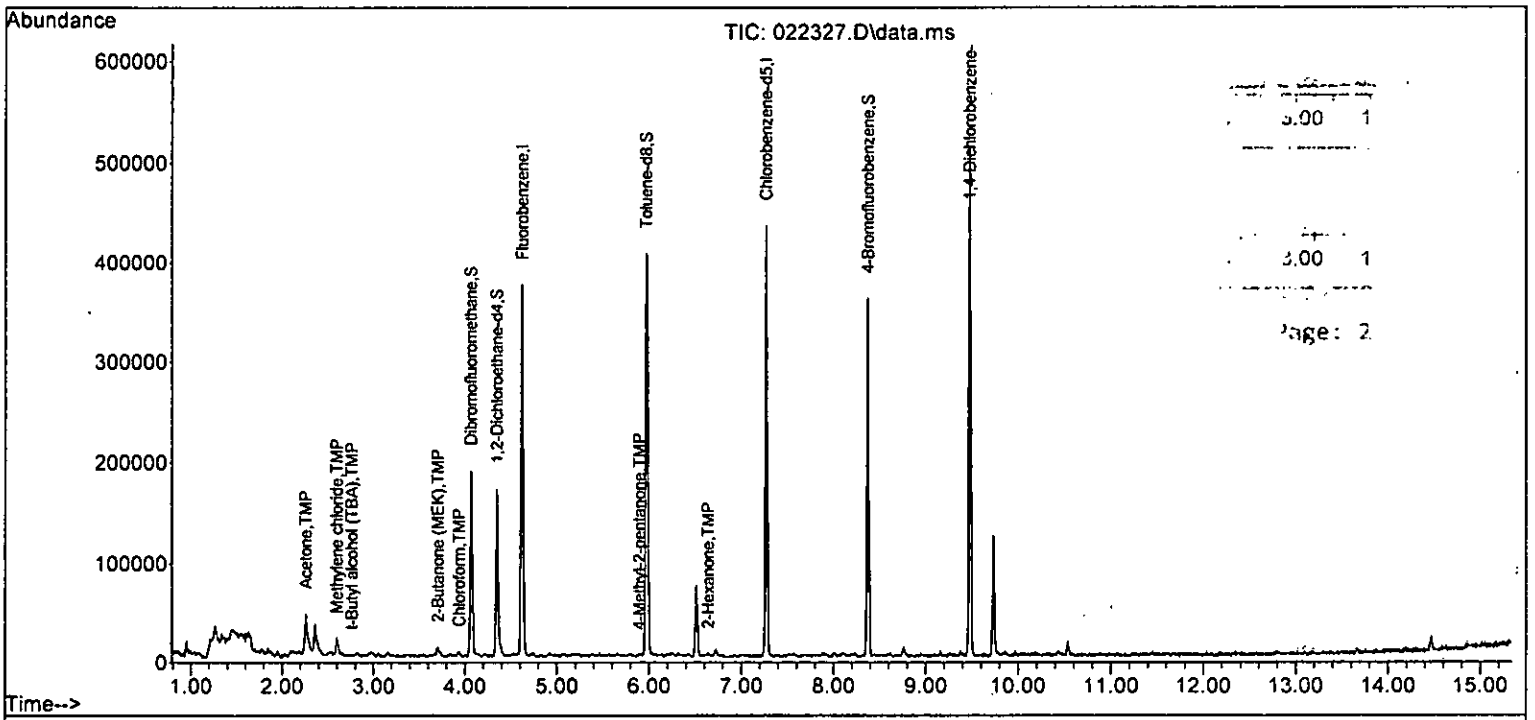
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	281357	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	199978	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	122740	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	81873	10.457	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.60%				
30) 1,2-Dichloroethane-d4	4.35	102	16080	9.243	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 92.40%				
35) Toluene-d8	5.97	98	249570	9.424	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.38	95	86575	9.736	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 97.40%				
Target Compounds							Qvalue
6] Vinyl chloride	1.29	62	241	0.014	ppb		63
11) Acetone	2.26	58	14656	7.260	ppb	#	77
14) Methylene chloride	2.60	84	6395	0.816	ppb	#	81
15) t-Butyl alcohol (TBA)	2.76	59	238	0.211	ppb		52
17] trans-1,2-Dichloroethene	2.83	96	93	Below Cal		#	75
21) 2,2-Dichloropropane	3.67	77	565	Below Cal			53
22] cis-1,2-Dichloroethene	3.67	96	86	Below Cal		#	67
23) Chloroform	3.94	83	1897	0.143	ppb		90
24) 2-Butanone (MEK)	3.71	43	12775	1.845	ppb		91
31] Benzene	4.39	78	5129	0.174	ppb		98
32] Trichloroethene	4.93	95	592	0.056	ppb		96
37) 4-Methyl-2-pentanone	5.90	85	192	0.139	ppb	#	37
40] Toluene	6.03	92	595	0.035	ppb		96
43) 2-Hexanone	6.64	43	1546	0.203	ppb		85
45] Tetrachloroethene	6.51	164	15222	1.890	ppb		97
49] Ethylbenzene	7.40	91	508	0.016	ppb		98
50) 1,1,1,2-Tetrachloroethane	7.45	131	116	Below Cal		#	29
51] m,p-Xylene	7.51	106	488	0.013	ppb		98
52] o-Xylene	7.88	106	277	0.022	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.49	83	107	Below Cal		#	24

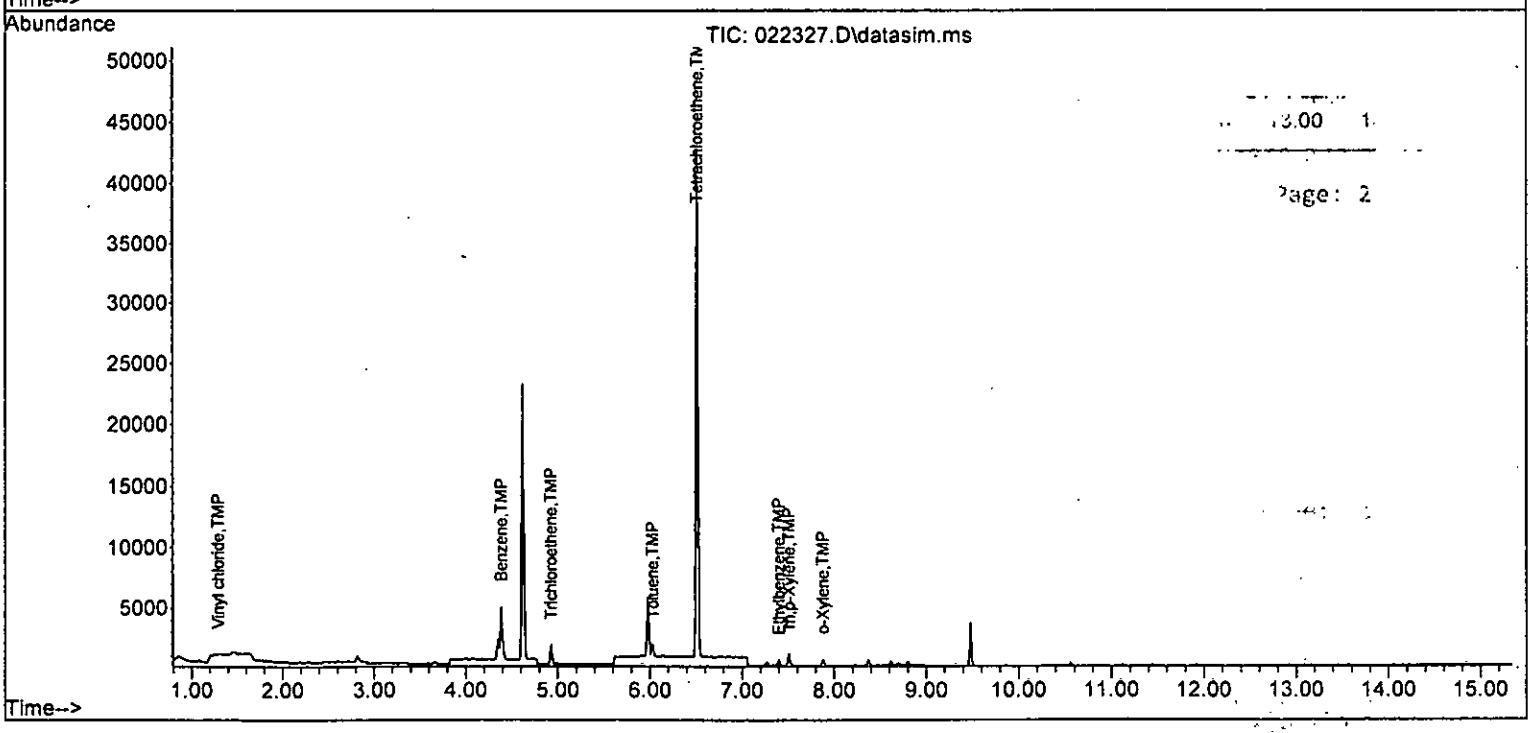
(#) = qualifier out of range (m) = manual integration (+) = signals summed

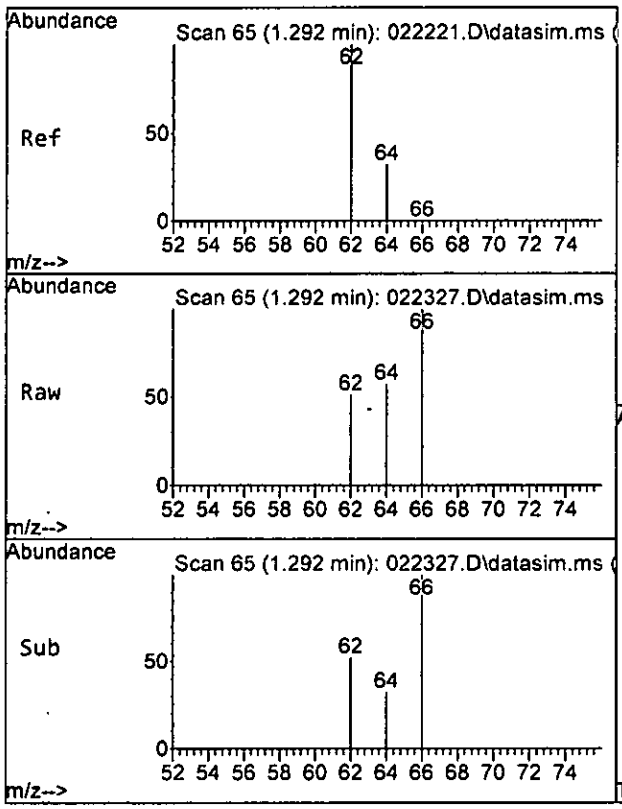
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022327.D
Acq On : 23 Feb 2023 06:11 pm
Operator : LM
Sample : 302322-03
Misc : water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:20 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M



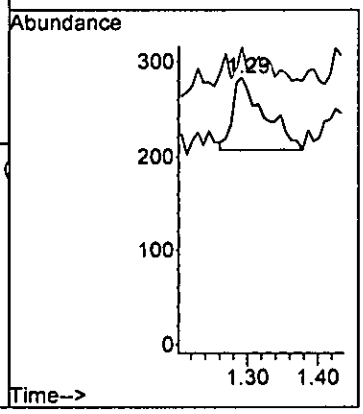


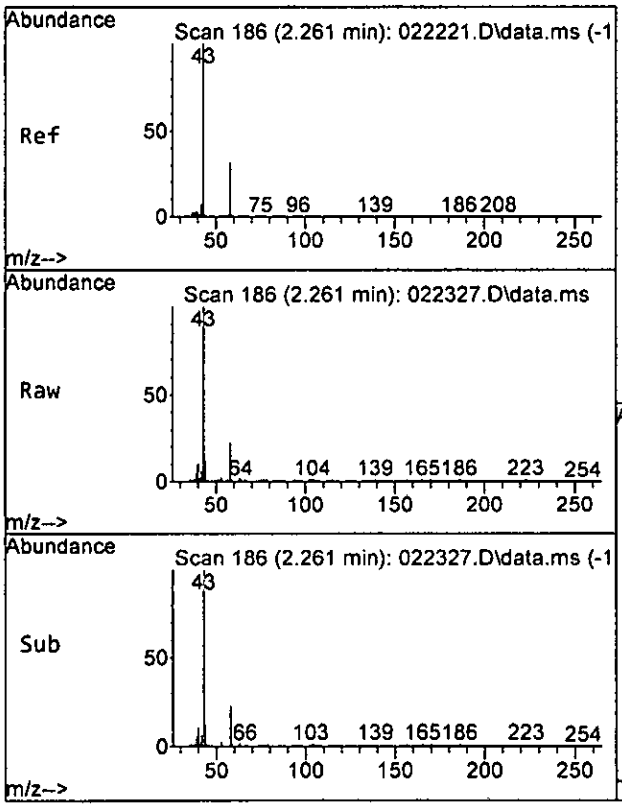


#6
Vinyl chloride
Concen: 0.014 ppb
RT: 1.29 min Scan# 65
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 62 Resp: 241

Ion	Ratio	Lower	Upper
62	100		
64	46.1	0.0	56.9

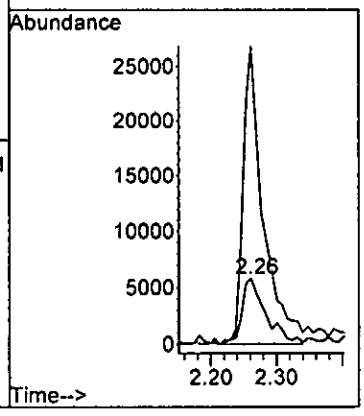


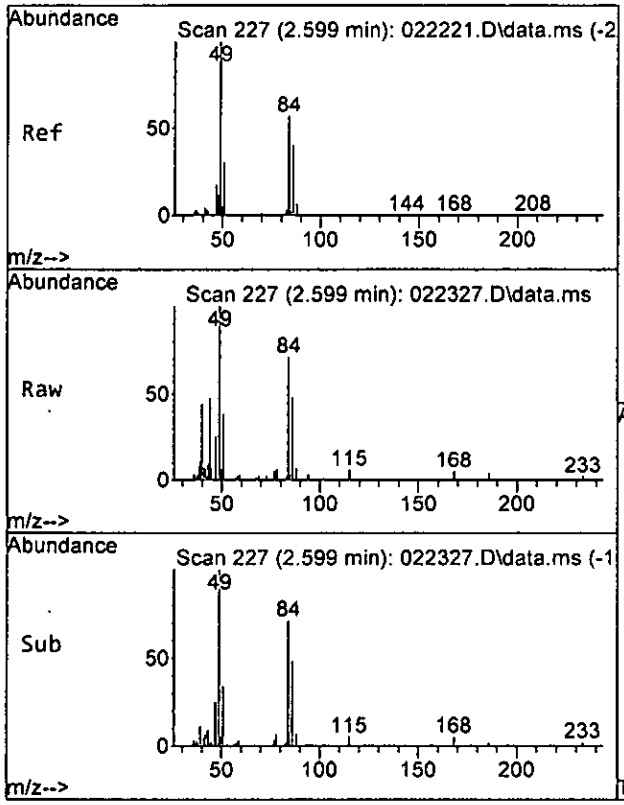


#11
Acetone
Concen: 7.260 ppb
RT: 2.26 min Scan# 186
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 58 Resp: 14656

Ion	Ratio	Lower	Upper
58	100		
43	403.6	322.8	382.8#

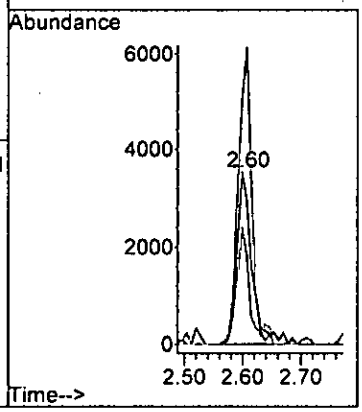


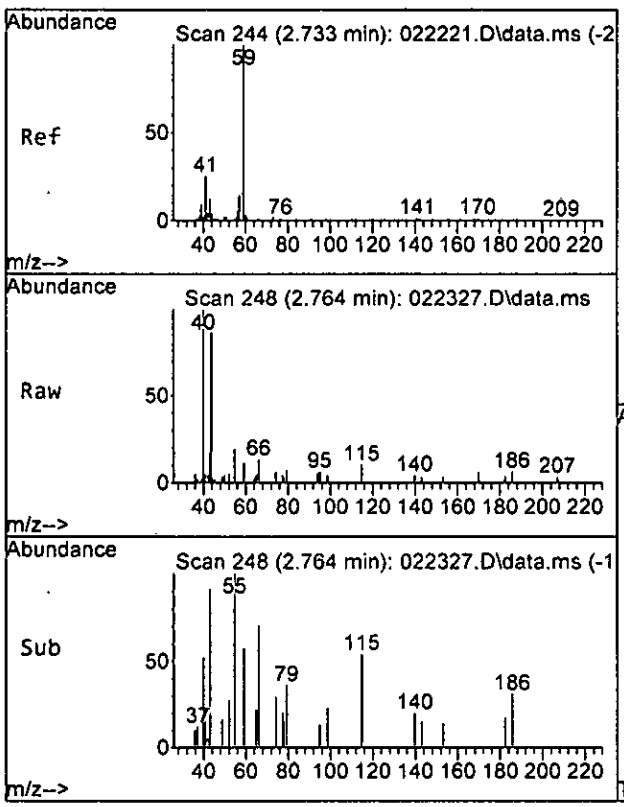


#14
Methylene chloride
Concen: 0.816 ppb
RT: 2.60 min Scan# 227
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 84 Resp: 6395

Ion	Ratio	Lower	Upper
84	100		
86	67.9	40.3	100.3
49	141.2	147.3	207.3#

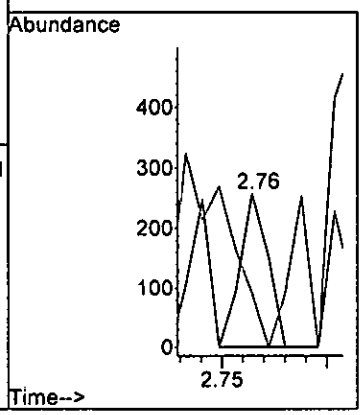


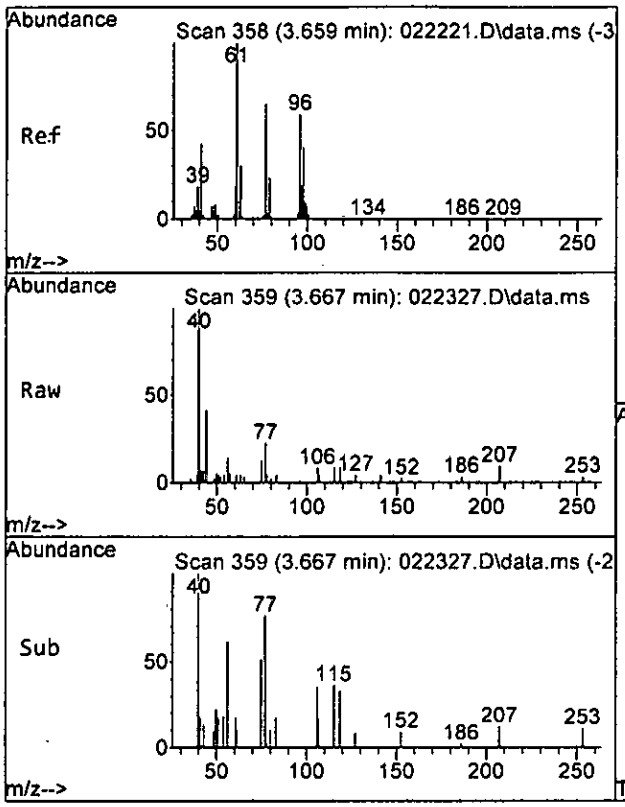


#15
t-Butyl alcohol (TBA)
Concen: 0.211 ppb
RT: 2.76 min Scan# 248
Delta R.T. 0.032 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 59 Resp: 238

Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	53.5

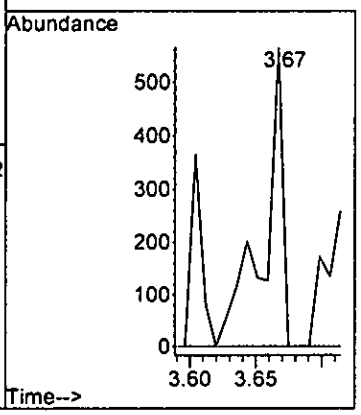


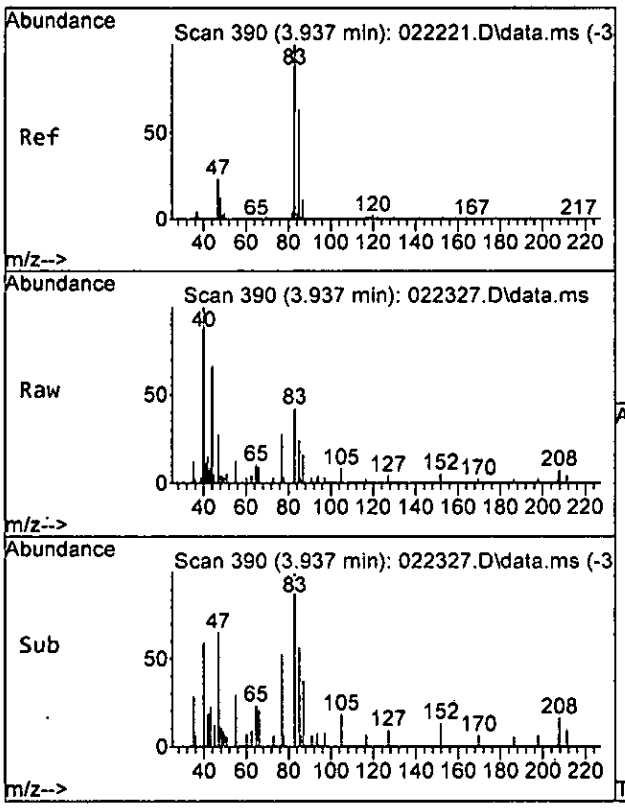


#21
2,2-Dichloropropane
Concen: Below Cal
RT: 3.67 min Scan# 359
Delta R.T. 0.008 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 77 Resp: 565

Ion	Ratio	Lower	Upper
77	100		
97	0.0	0.0	52.9

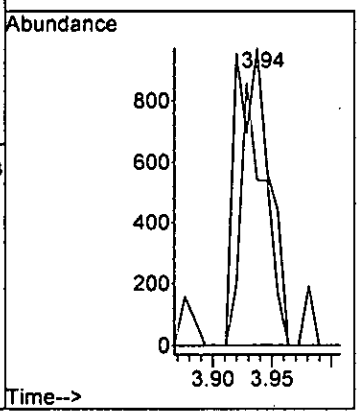


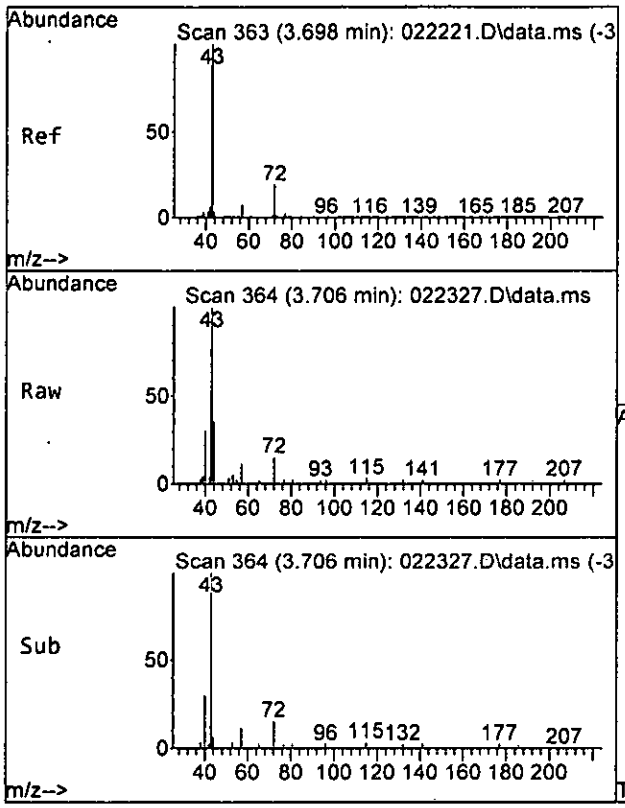


#23
Chloroform
Concen: 0.143 ppb
RT: 3.94 min Scan# 390
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 83 Resp: 1897

Ion	Ratio	Lower	Upper
83	100		
85	55.9	33.4	93.4

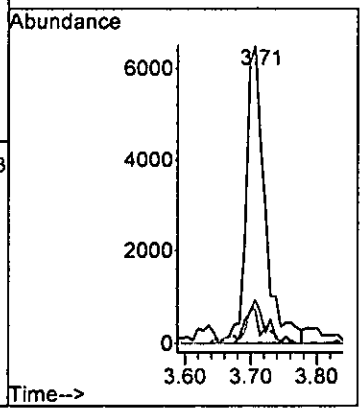


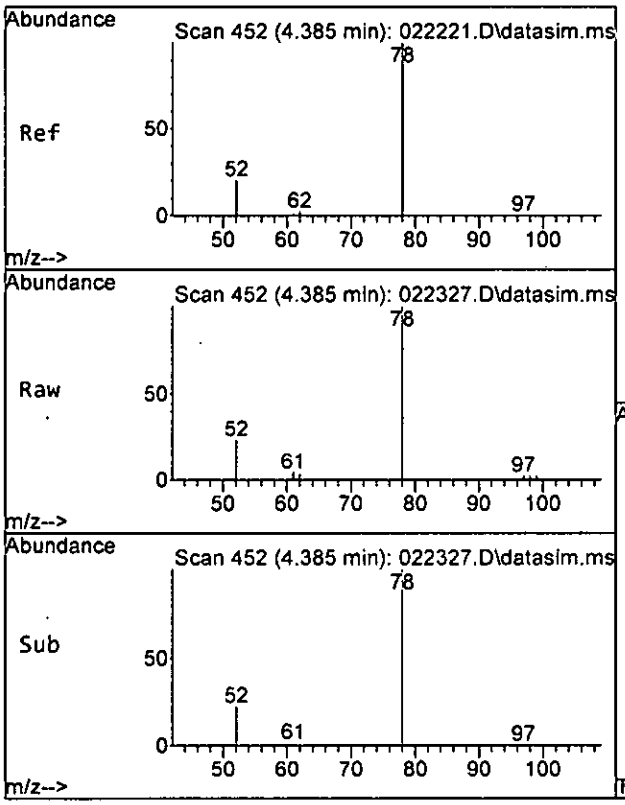


#24
2-Butanone (MEK)
Concen: 1.845 ppb
RT: 3.71 min Scan# 364
Delta R.T. 0.008 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 43 Resp: 12775

Ion	Ratio	Lower	Upper
43	100		
72	14.6	0.0	47.8
57	11.5	0.0	26.3

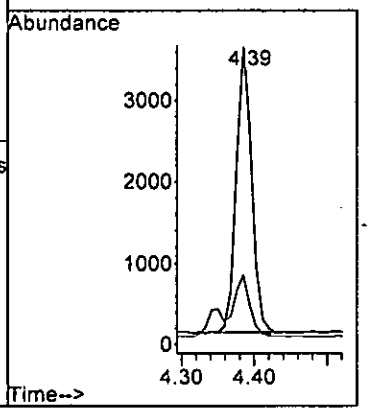


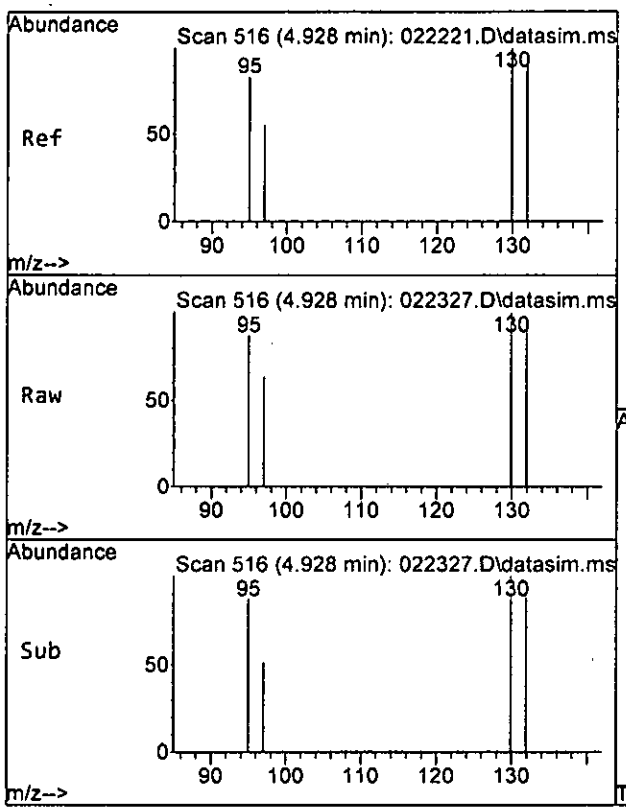


#31
Benzene
Concen: 0.174 ppb
RT: 4.39 min Scan# 452
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 78 Resp: 5129

Ion	Ratio	Lower	Upper
78	100		
52	21.4	0.0	50.6

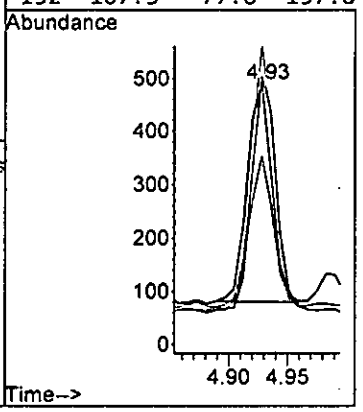


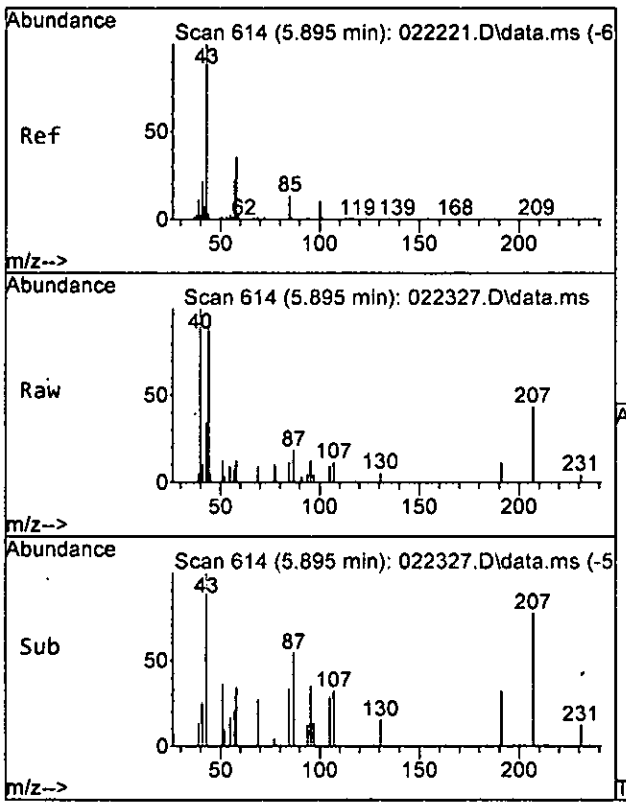


#32
Trichloroethene
Concen: 0.056 ppb
RT: 4.93 min Scan# 516
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 95 Resp: 592

Ion	Ratio	Lower	Upper
95	100		
97	68.9	36.5	96.5
130	120.5	83.1	143.1
132	107.3	77.8	137.8

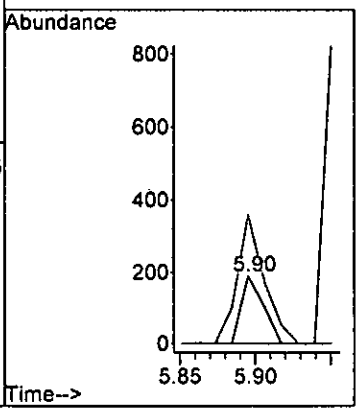


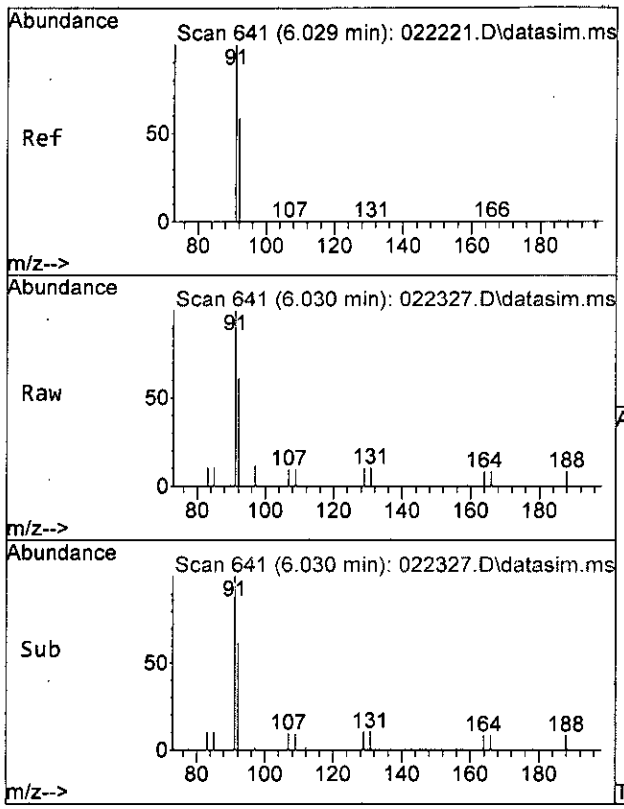


#37
4-Methyl-2-pentanone
Concen: 0.139 ppb
RT: 5.90 min Scan# 614
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 85 Resp: 192

Ion	Ratio	Lower	Upper
85	100		
100	0.0	51.5	111.5#
58	188.9	267.1	327.1#

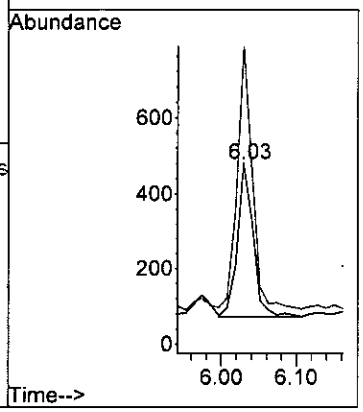


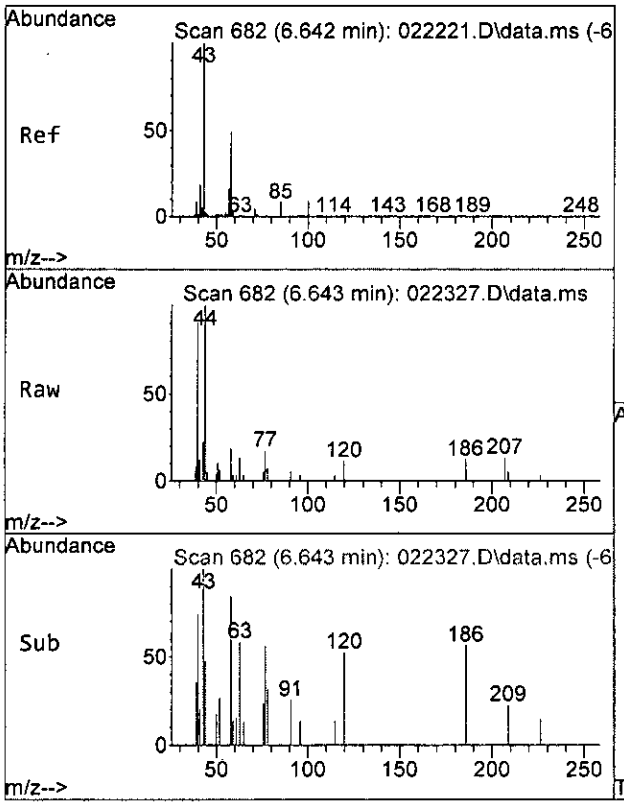


#40
Toluene
Concen: 0.035 ppb
RT: 6.03 min Scan# 641
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 92 Resp: 595

Ion	Ratio	Lower	Upper
92	100		
91	169.6	144.6	204.6

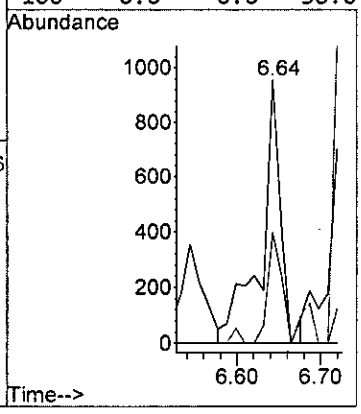


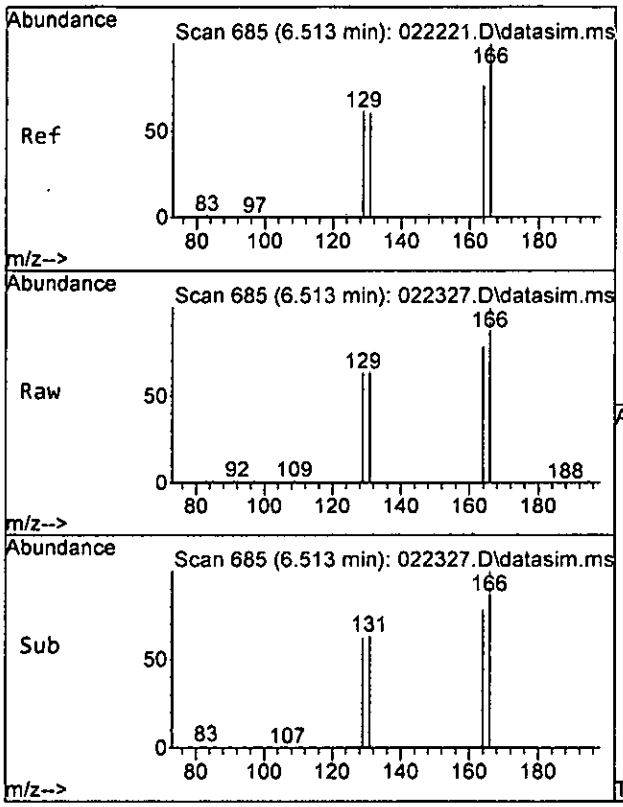


#43
2-Hexanone
Concen: 0.203 ppb
RT: 6.64 min Scan# 682
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 43 Resp: 1546

Ion	Ratio	Lower	Upper
43	100		
58	43.7	18.1	78.1
57	0.0	0.0	45.2
100	0.0	0.0	38.0

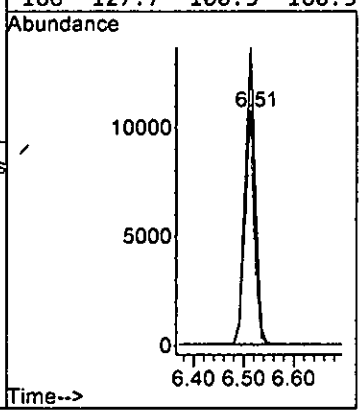


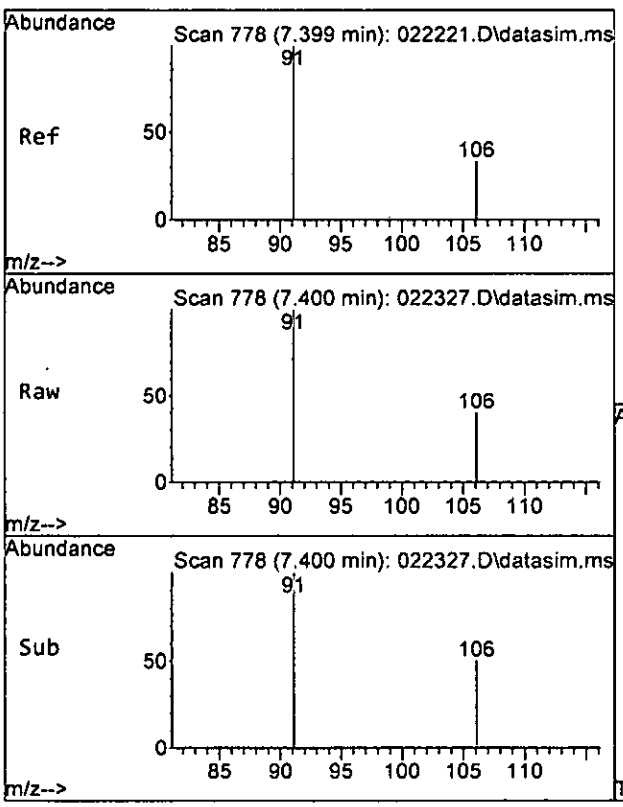


#45
Tetrachloroethene
Concen: 1.890 ppb
RT: 6.51 min Scan# 685
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion:164 Resp: 15222

Ion	Ratio	Lower	Upper
164	100		
129	79.3	52.8	112.8
131	80.1	52.4	112.4
166	127.7	100.5	160.5

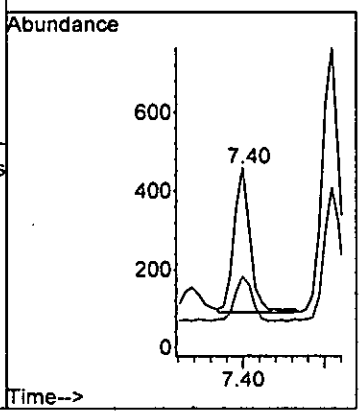


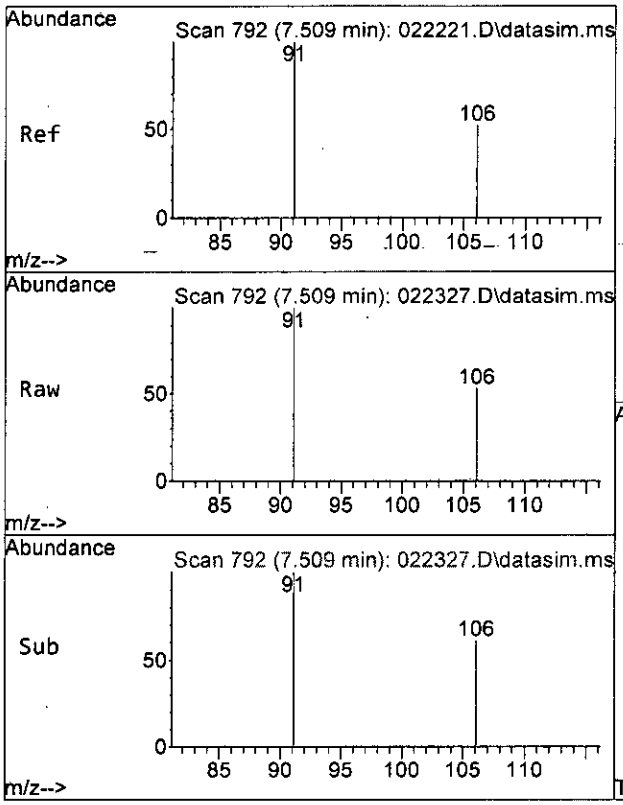


#49
Ethylbenzene
Concen: 0.016 ppb
RT: 7.40 min Scan# 778
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion: 91 Resp: 508

Ion	Ratio	Lower	Upper
91	100		
106	30.5	1.4	61.4

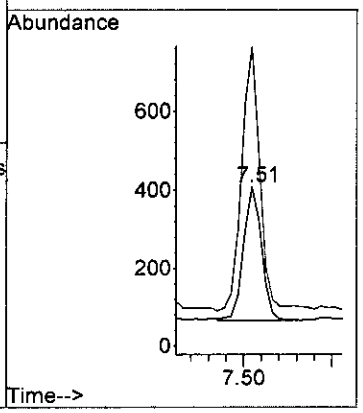


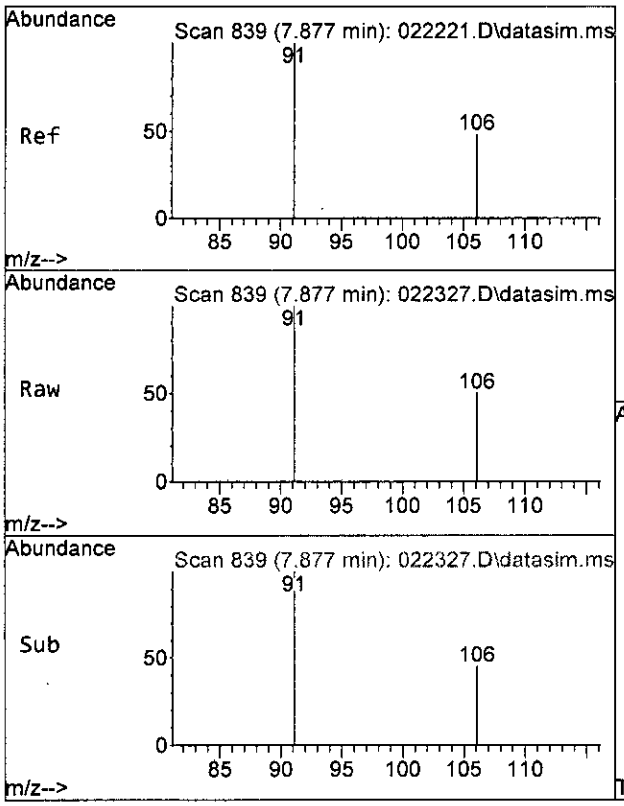


#51
m,p-Xylene
Concen: 0.013 ppb
RT: 7.51 min Scan# 792
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion:106 Resp: 488

Ion	Ratio	Lower	Upper
106	100		
91	197.1	169.6	229.6

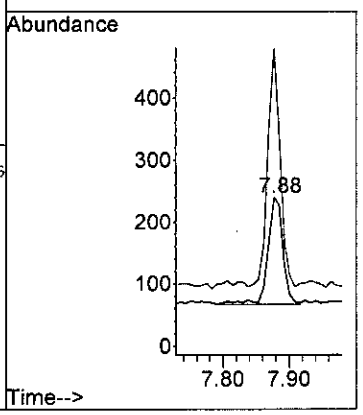




#52
o-Xylene
Concen: 0.022 ppb
RT: 7.88 min Scan# 839
Delta R.T. 0.000 min
Lab File: 022327.D
Acq: 23 Feb 2023 06:11 pm

Tgt Ion:106 Resp: 277

Ion	Ratio	Lower	Upper
106	100		
91	217.8	188.4	248.4



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022327.D
Acq On : 23 Feb 2023 06:11 pm
Operator : LM
Sample : 302322-03
Misc : water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:20 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.63	96	281357	10.000	ppb		0.00
39) Chlorobenzene-d5	7.27	117	199978	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.48	152	122740	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.07	113	81873	10.457	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.60%				
30) 1,2-Dichloroethane-d4	4.35	102	16080	9.243	ppb		0.00
Spiked Amount 10.000	Range 78 - 126		Recovery = 92.40%				
35) Toluene-d8	5.97	98	249570	9.424	ppb		0.00
Spiked Amount 10.000	Range 84 - 115		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.38	95	86575	9.736	ppb		0.00
Spiked Amount 10.000	Range 72 - 130		Recovery = 97.40%				
Target Compounds							Qvalue
2) Ethanol	1.89	45	419	No Calib			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.22	50	3651	N.D.			
6] Vinyl chloride	1.29	62	241	0.014	ppb		63
7) Bromomethane	0.00		0	N.D.	d		
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	1.74	101	150	N.D.			
10) 2-Propanol	2.39	45	6297	No Calib			
11) Acetone	2.26	58	14656	7.260	ppb	#	77
12) 1,1-Dichloroethene	0.00		0	N.D.			
13) Hexane	3.00	57	306	N.D.			
14) Methylene chloride	2.60	84	6395	0.816	ppb	#	81
15) t-Butyl alcohol (TBA)	2.76	59	238	0.211	ppb		52
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.83	96	93	Below Cal		#	75
18) Diisopropyl ether (DIPE)	3.23	45	158	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	3.67	77	565	Below Cal			53
22] cis-1,2-Dichloroethene	3.67	96	86	Below Cal		#	67
23) Chloroform	3.94	83	1897	0.143	ppb		90
24) 2-Butanone (MEK)	3.71	43	12775	1.845	ppb		91
25) t-Amyl methyl ether (T...	4.38	73	433	N.D.			
26) 1,2-Dichloroethane (EDC)	4.41	62	403	N.D.			
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	4.22	117	151	N.D.			
31] Benzene	4.39	78	5129	0.174	ppb		98
32] Trichloroethene	4.93	95	592	0.056	ppb		96
33) 1,2-Dichloropropane	5.15	63	179	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	5.24	93	142	N.D.			

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022327.D
Acq On : 23 Feb 2023 06:11 pm
Operator : LM
Sample : 302322-03
Misc : water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

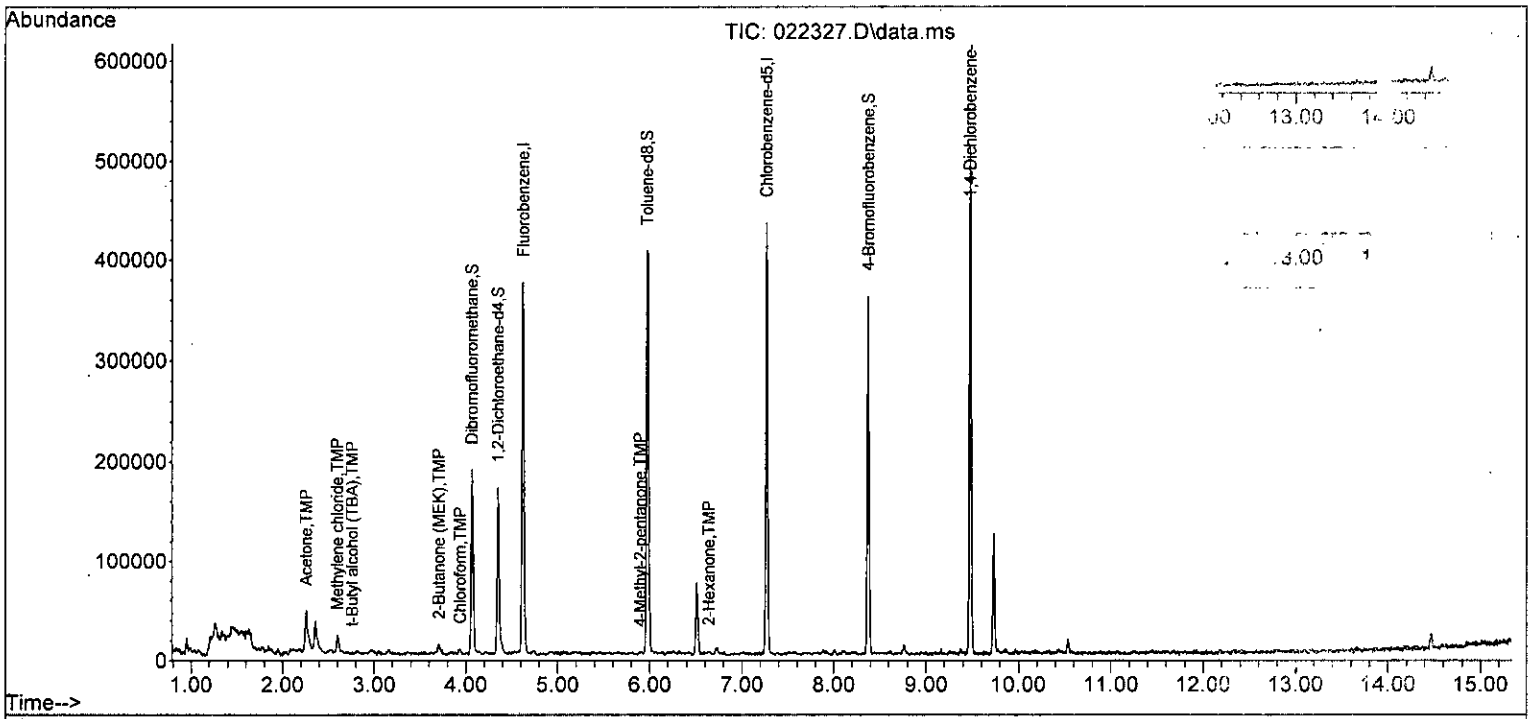
Quant Time: Feb 24 07:42:20 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M

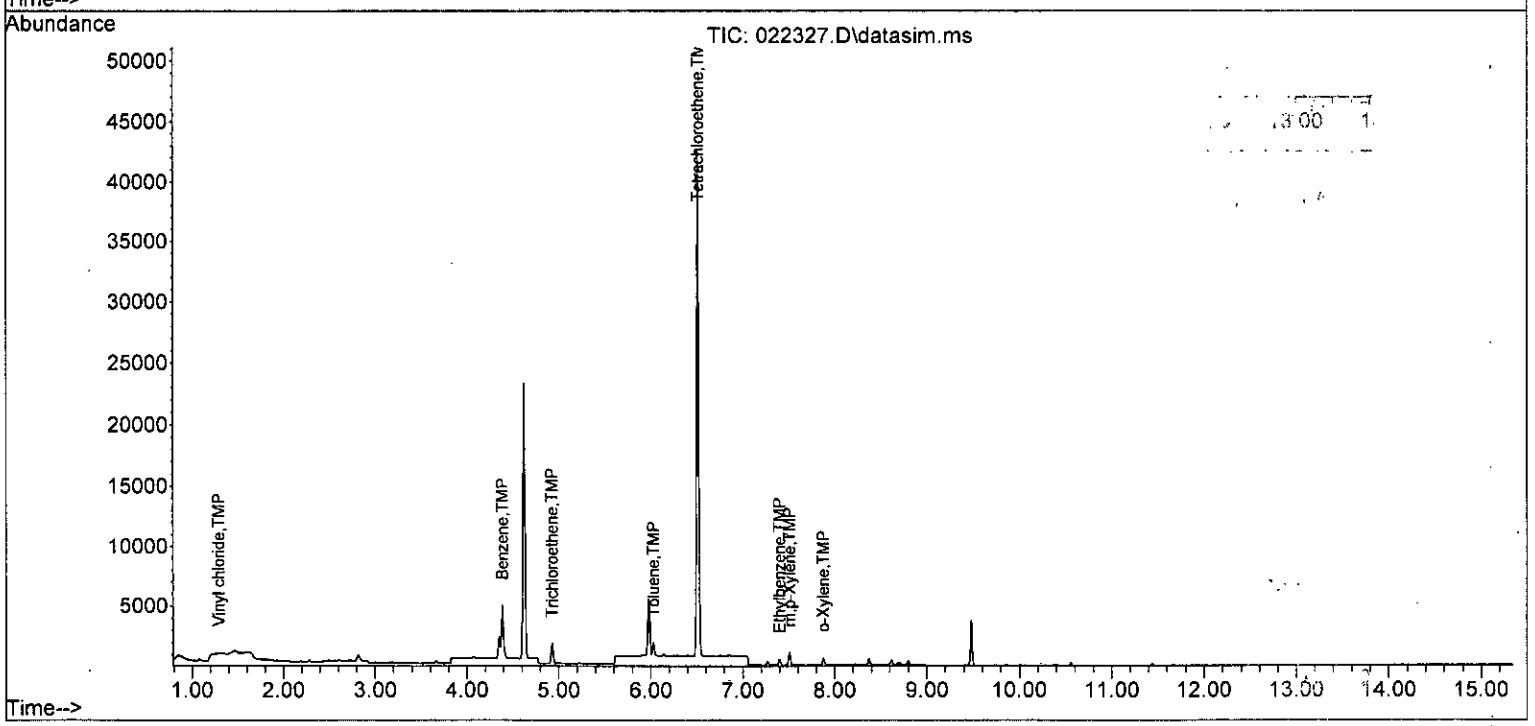
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	5.90	85	192	0.139 ppb #	37
38) cis-1,3-Dichloropropene	5.75	75	381	N.D.	
40] Toluene	6.03	92	595	0.035 ppb	96
41) trans-1,3-Dichloropropene	6.27	75	213	N.D.	
42) 1,1,2-Trichloroethane	6.40	83	68	N.D.	
43) 2-Hexanone	6.64	43	1546	0.203 ppb	85
44) 1,3-Dichloropropane	6.65	76	241	N.D.	
45] Tetrachloroethene	6.51	164	15222	1.890 ppb	97
46) Dibromochloromethane	6.70	129	98	N.D.	
47) 1,2-Dibromoethane (EDB)	6.85	107	99	N.D.	
48) Chlorobenzene	7.30	112	286	N.D.	
49] Ethylbenzene	7.40	91	508	0.016 ppb	98
50) 1,1,1,2-Tetrachloroethane	7.45	131	116	Below Cal #	29
51] m,p-Xylene	7.51	106	488	0.013 ppb	98
52] o-Xylene	7.88	106	277	0.022 ppb	100
53) Styrene	7.90	104	579	N.D.	
54) Isopropylbenzene	8.22	105	633	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.60	91	318	N.D.	
59) Bromobenzene	8.72	156	129	N.D.	
60) 1,3,5-Trimethylbenzene	8.80	105	232	N.D.	
61) 1,1,2,2-Tetrachloroethane	8.49	83	107	Below Cal #	24
62) 1,2,3-Trichloropropane	8.58	75	165	N.D.	
63) 2-Chlorotoluene	8.69	91	648	N.D.	
64) 4-Chlorotoluene	8.80	91	475	N.D.	
65) tert-Butylbenzene	9.11	119	98	N.D.	
66) 1,2,4-Trimethylbenzene	9.15	105	640	N.D.	
67) sec-Butylbenzene	9.31	105	195	N.D.	
68) p-Isopropyltoluene	9.52	119	81	N.D.	
69) 1,3-Dichlorobenzene	9.42	146	565	N.D.	
70) 1,4-Dichlorobenzene	9.50	146	544	N.D.	
71) 1,2-Dichlorobenzene	9.87	146	438	N.D.	
72) 1,2-Dibromo-3-chloropr...	10.73	75	51	N.D.	
73) 1,2,4-Trichlorobenzene	11.44	180	770	N.D.	
74) Hexachlorobutadiene	11.61	225	98	N.D.	
75) Naphthalene	11.66	128	442	N.D.	
76) 1,2,3-Trichlorobenzene	11.93	180	447	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS11\02-23-23\
Data File : 022327.D
Acq On : 23 Feb 2023 06:11 pm
Operator : LM
Sample : 302322-03
Misc : water
ALS Vial : 23 Sample Multiplier: 1
InstName : GCMS11

Quant Time: Feb 24 07:42:20 2023
Quant Method : Y:\Methods\Inst11\VB022223ms11.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Feb 23 12:59:20 2023
Response via : Initial Calibration
DataAcq Meth:VM080522.M





Chain of Custody, Shipping & Receiving Documents, Sample Condition Checklist

302300

SAMPLE CHAIN OF CUSTODY

02/21/23

VW6

Page # 1 of 1

Report To JENNIFER MARSALLA

Company ANCHOR QEA

Address 1201 3RD AVE, #2600

City, State, ZIP SEATTLE, WA 98101

Phone 206 287 9130 Email LABDATA ATTACH@ANCHORQEA.COM

SAMPLERS (*signature*) [redacted]

PROJECT NAME: CARSON CLEANERS

PO #: 212280-01.01

REMARKS

Project specific RLs? (Yes) / No

INVOICE TO: LABDATA ATTACH@ANCHORQEA.COM

TURNAROUND TIME

☒ Standard turnaround

☐ RUSH

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Archive samples

☐ Other

Default: Dispose after 30 days

-GW added per JM 2/21/23 ME

Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	NWTPH-Dx	NWTPH-Gx	BTEX EPA 8021	NWTPH-HCID	VOCs EPA 8260	PAHs EPA 8270	PCBs EPA 8082	cVOC's				Notes
MW-23-GW-20230221	01 A-C	2-21-23	1505	2-21 H2O	7								X				TIER IV
MW-22-GW-20230221	02		1500		3								X				zp 3/8
MW-25-GW-20230221	03		1400		3								X				
MW-27-GW-20230221	04		1255		3								X				
MW-28-GW-20230221	05		1245		3								X				
MW-20-GW-20230221	06		1130		3								X				
MW-18-GW-20230221	07		1050		3								X				
CC-MW-C1-GW-20230221	08		1000		3								X				
TB-20230221	09	2-21-23	0800	H2O	2								X				TRIP BLANK
													Samples received at [redacted] °C				

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: [redacted]	STEPHEN STAUCH	AQ	2-21-23	1648
Received by:	ANHPHAN	FSB	02/21/23	16:48
Relinquished by:				
Received by:				

VW

Friedman & Bruya, Inc.
Ph. (206) 285-8282

SAMPLE CONDITION UPON RECEIPT CHECKLIST

PROJECT # 202300 CLIENT Anchor INITIALS/ AP
DATE: 02/21/23

If custody seals are present on cooler, are they intact? ☑ NA ☐ YES ☐ NO

Cooler/Sample temperature Ø °C

Were samples received on ice/cold packs? ☑ YES ☐ NO

How did samples arrive?
- ☑ Over the Counter
- ☐ Picked up by F&BI
- ☐ FedEx/UPS/GSO

Number of days samples have been sitting prior to receipt at laboratory Ø days

Is there a Chain-of-Custody* (COC)?
*or other representative documents, letters, and/or shipping memos ☑ YES ☐ NO

Are the samples clearly identified? (explain "no" answer below) ☑ YES ☐ NO

Is the following information provided on the COC* ? (explain "no" answer below)

Sample ID's	☑ Yes	☐ No	# of Containers	☑ Yes	☐ No
Date Sampled	☑ Yes	☐ No	Relinquished	☑ Yes	☐ No
Time Sampled	☑ Yes	☐ No	Requested analysis	☑ Yes	☐ No

Were all sample containers received intact (i.e. not broken, leaking etc.)? (explain "no" answer below) ☑ YES ☐ NO

Were appropriate sample containers used? ☑ YES ☐ NO ☐ Unknown

If custody seals are present on samples, are they intact? ☑ NA ☐ YES ☐ NO

Are samples requiring no headspace, headspace free? ☐ NA ☑ YES ☐ NO

Air Samples: Were any additional canisters received? ☑ NA ☐ YES ☐ NO

If Yes, number of unused 1L canisters _____

number of unused 6L canisters _____

Explain "no" items from above (use the back if needed)

Laboratory Worksheets

VOC EXTRACTION WORKSHEET (WATER)

= 302300
Anchor
ID: 03 0353
s checked against COC MD

Date Received: 2/21/23 HT 317
Date Extracted: 2/24/23
Date Analyzed:
GCMS ☐4 ~~☐11~~ ☑13, Seq. Date 3/06 I

Analysis Method:
☒ 8260
☐ 8260 SIM
☐ 524.2 SIM
☐ Other

Requested Analytes:
☐ 8260 Normal List
~~☒ aVOCs~~
☒ PCE/Daughters
☐ BTEX
☐ BTEX+N
☐ Other

Reporting Units:
☒ µg/L (ppb)
☐ Other

Extraction Method:
☒ 5030

Due Date: 2/28/23 ☒ Historical Data Attached
See RLs below
☐ ve's not Acceptable
☐ Dilutions Not Acceptable for Non-Detects
☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions: Amt. Extract	Dilutions: Amt. Solvent	Dilution Factor	Foamy Sample	Observations
01 A	<2			4.3	mL	1/10		
02						1/10		
03						1/10		
04						1/10		
05						FS		
06								
07								
08								
09				4.3		1/100		
MD	2/24/23							
302300-03 MS								
-05 1/10								

Initials: [illegible]

Compounds:	Concentration ug/L (ppb)
Vinyl chloride	<0.02
trans-1,2-Dichloroethene	<0.05
cis-1,2-Dichloroethene	<0.05
Trichloroethene	<0.05
Tetrachloroethene	<0.05

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other							
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix			
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb			67.145	[illegible]	2/24
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials: MK

NOTES: -03 + 08 screened 2/24 TIER IV

Calculated by [illegible] 3/7/23 Reviewed by 03/07/23 [illegible]

VOC EXTRACTION WORKSHEET (WATER)

Project #: 302300

Client:

QC Batch ID:

Samples checked against COC

Date Received:

Date Extracted:

Date Analyzed:

GCMS ☐4 ☐11 ☐13, Seq.

Analysis Method:
- ☐ 8260
- ☐ 8260 SIM
- ☐ 524.2 SIM
- ☐ Other
- ☐

Requested Analytes:
- ☐ 8260 Normal List
- ☐ cVOCs
- ☐ PCE/Daughters
- ☐ BTEX
- ☐ BTEX+N
- ☐ Other

Reporting Units:
- ☒ µg/L (ppb)
- ☐ Other

Extraction Method: 5030

Due Date:

☐ Historical Data Attached

- ☐ ve's not Acceptable
- ☐ Dilutions Not Acceptable for Non-Detects
- ☐ Need EDF

Sample ID	pH	Sample Volume (mL)	Final Volume (mL)	Dilutions		Dilution Factor	Foamy Sample	Observations
				Amt. Extract	Amt. Solvent mL			
-05	6			4.3	43	1/10		
-07	"					FS		
-09	"							
	3/6							

Initials

	✓	Volume	Conc. (ppm)	Compound(s)	Lot #	Initials	Date
Solvent		NA	NA	DI Water			
Other					WATER		
Internal Standard(s)/ Surrogate(s)		100 µl	250	Surrogate mix	313		
		10 ppm Surr/IS Mix spiked at instr. to yield 10 ppb					
		25 ppm Surr/IS Mix spiked at instr. to yield 5 ppb					

Project Leader Initials:

NOTES:

Calculated by 3/7/23

Reviewed by 03/07/23

BATCH ORGANIC EXTRACTION WORKSHEET

Date Extracted: 02/24/23 @ 5 am Technician: MD

QA Batch: **03-0353**

Matrix
- ☐ Soil
- ☒ Water
- ☐ Product
- ☐ Wipe
- ☐ Other_____

Solvent
- ☐ Methylene Chloride
- ☐ Acetone
- ☐ Methanol
- ☐ Hexane
- ☐ Other_____

Solvent Lot #_____

Analysis
- ☐ Diesel
- ☐ Gas/BTEX
- ☐ HCID
- ☐ 8270 SIM
- ☐ 8270
- ☒ 8260
- ☐ PCB
- ☐ Organic Lead
- ☐ Methamphetamine
- ☐ Other_____

Clean Up: ☐ FlorsiL (FL) ☐ Copper (Cu) ☐ Silica ☐ Filtration ☐ H_2SO_4 ☐ Other_____

Sample ID	pH Waters only MD 2/24	Sample Weight/ Volume	Extraction Solvent Volume	Final Volume	Dilutions Amt. Extract	Dilutions Amt. Solvent	Clean Up (Circle) Silica	FL Cu Filter	H_2SO_4	Observations
LCS	2 ✓ 2			43mL						
LCSD	↓			↓						
MB										
MS										302300-07
~~MSD~~ MD 2/24	↓			↓						
MD	2/24/23	—	—	—	—	—	—	—	—	—
Initials										

Samples in Batch

302300	-01	↓	-05	↓	-09	↓	-35		
↓	-02		-06	302310	-32	↓	-37		
	-03		-07	↓	-33	302330	-01		
	-04		-08	↓	-34	↓	-02		

Date/Initials

Matrix Spikes:
8.6 µL of 50 ppm of 8260 LCS/LCSD — Lot # 08-148A — 2/24/23 MD
Amount / Concentration / Analytes and Solvent

Matrix Spikes:
_____ µL of _____ ppm of _____ — Lot #_____ — _____
Amount / Concentration / Analytes and Solvent

Surrogates:
15 µL of 10 ppm of 8260 IS/SURR — Lot # 07-148A — 2/24/23 MD
Amount / Concentration / Analytes and Solvent

Internal Standards:
_____ µL of _____ ppm of _____ — Lot #_____ — _____
Amount / Concentration / Analytes and Solvent

Notes: _____

EPA 8260D
MDLs

Reported MDL Data and Calculations **Analyst fill in all below** (attach extraction worksheet(s))

Analysis:	8260	Standard(s) spiked:	63-4A, 63-4B, 63-4C, 63-26A, 63-26B, 63-26C
Matrix:	Water	Volume spiked:	4.3 uL (A), 8.6 uL (B), 17.2/43 uL (C)
Instrument ID:	GCMS #13	Date(s) Extracted:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21,12/08
Reporting Units:	ug/L	Date(s) Analyzed:	05/27/21, 05/28/21, 06/07/21, 06/08/21, 12/02/21, 12/0
		Date Calculated:	06/01/21, 06/09/21, 12/07/21, 12/10/21, 4/6/2022, 04/1
		Calculation Analyst:	JCM, WE, AEN, AS

Analyte	(StdDev*2.998) MDL	(2*MDL) PQL	(5*MDL) PQL	Std Dev	Mean	Spike Level	% Rec.
Ethanol							
Dichlorodifluoromethane	0.152	0.305	0.762	0.051	0.200	0.2	100
Chloromethane	1.096	2.191	5.478	0.365	5.441	5	109
Vinyl chloride	0.017	0.035	0.087	0.006	0.025	0.02	124
Bromomethane	1.853	3.707	9.267	0.618	6.097	5	122
Chloroethane	0.220	0.439	1.098	0.073	0.246	0.2	123
Trichlorofluoromethane	0.063	0.126	0.316	0.021	0.245	0.2	122
2-Propanol							
Acetone	4.490	8.980	22.450	1.498	12.426	10	124
1,1-Dichloroethene	0.015	0.031	0.077	0.005	0.056	0.05	112
Hexane	0.197	0.395	0.986	0.066	0.192	0.2	96
Methylene chloride	1.769	3.539	8.847	0.590	6.045	5	121
t-Butyl alcohol (TBA)	7.967	15.934	39.836	2.657	24.852	25	99
Methyl t-butyl ether (MTBE	0.054	0.109	0.272	0.018	0.061	0.05	121
trans-1,2-Dichloroethene	0.021	0.043	0.106	0.007	0.058	0.05	116
Diisopropyl ether (DIPE)	0.039	0.078	0.195	0.013	0.201	0.2	100
1,1-Dichloroethane	0.013	0.026	0.066	0.004	0.054	0.05	108
Ethyl t-butyl ether (ETBE)	0.028	0.057	0.142	0.009	0.198	0.2	99
2,2-Dichloropropane	0.188	0.376	0.939	0.063	0.255	0.2	128
cis-1,2-Dichloroethene	0.015	0.029	0.073	0.005	0.057	0.05	114
Chloroform	0.049	0.099	0.246	0.016	0.215	0.2	107
2-Butanone (MEK)	1.862	3.723	9.308	0.621	10.875	10	109
t-Amyl methyl ether (TAME)	0.049	0.098	0.245	0.016	0.210	0.2	105
1,2-Dichloroethane (EDC)	0.097	0.194	0.485	0.032	0.229	0.2	114
1,1,1-Trichloroethane	0.012	0.025	0.062	0.004	0.054	0.05	109
1,1-Dichloropropene	0.060	0.120	0.299	0.020	0.199	0.2	100
Carbon tetrachloride	0.110	0.220	0.550	0.037	0.199	0.2	99
Benzene	0.018	0.036	0.089	0.006	0.025	0.02	124
Trichloroethene	0.032	0.064	0.159	0.011	0.059	0.05	117
1,2-Dichloropropane	0.133	0.266	0.666	0.044	0.218	0.2	109
Bromodichloromethane	0.061	0.121	0.303	0.020	0.215	0.2	108
Dibromomethane	0.043	0.087	0.216	0.014	0.229	0.2	114
4-Methyl-2-pentanone	1.975	3.951	9.877	0.659	25.044	25	100
cis-1,3-Dichloropropene	0.060	0.119	0.298	0.020	0.214	0.2	107
Toluene	0.018	0.035	0.088	0.006	0.060	0.05	119
trans-1,3-Dichloropropene	0.088	0.176	0.441	0.029	0.213	0.2	106
1,1,2-Trichloroethane	0.118	0.237	0.592	0.040	0.230	0.2	115
2-Hexanone	1.094	2.188	5.470	0.365	11.949	10	119
1,3-Dichloropropane	0.059	0.118	0.296	0.020	0.213	0.2	107
Tetrachloroethene	0.023	0.046	0.114	0.008	0.064	0.05	127
Dibromochloromethane	0.051	0.102	0.256	0.017	0.212	0.2	106
1,2-Dibromoethane (EDB)	0.022	0.043	0.108	0.007	0.059	0.05	118
Chlorobenzene	0.042	0.085	0.212	0.014	0.221	0.2	110
Ethylbenzene	0.016	0.033	0.082	0.005	0.028	0.02	141
1,1,1,2-Tetrachloroethane	0.065	0.130	0.324	0.022	0.217	0.2	108
m,p-Xylene	0.030	0.060	0.149	0.010	0.056	0.04	141
o-Xylene	0.011	0.022	0.054	0.004	0.026	0.02	132
Styrene	0.048	0.095	0.239	0.016	0.192	0.2	96
Isopropylbenzene	0.011	0.023	0.057	0.004	0.200	0.2	100
Bromoform	0.091	0.183	0.457	0.030	0.219	0.2	110
n-Propylbenzene	0.027	0.054	0.135	0.009	0.207	0.2	103
Bromobenzene	0.057	0.114	0.286	0.019	0.211	0.2	106
1,3,5-Trimethylbenzene	0.017	0.034	0.084	0.006	0.205	0.2	103
1,1,2,2-Tetrachloroethane	0.062	0.123	0.308	0.021	0.222	0.2	111
1,2,3-Trichloropropane	0.111	0.223	0.556	0.037	0.242	0.2	121
2-Chlorotoluene	0.039	0.078	0.194	0.013	0.210	0.2	105
4-Chlorotoluene	0.033	0.065	0.163	0.011	0.207	0.2	103
tert-Butylbenzene	0.021	0.042	0.106	0.007	0.201	0.2	100
1,2,4-Trimethylbenzene	0.039	0.079	0.197	0.013	0.204	0.2	102
sec-Butylbenzene	0.031	0.062	0.156	0.010	0.205	0.2	103
p-Isopropyltoluene	0.042	0.084	0.210	0.014	0.195	0.2	97
1,3-Dichlorobenzene	0.052	0.104	0.261	0.017	0.217	0.2	108
1,4-Dichlorobenzene	0.040	0.079	0.198	0.013	0.223	0.2	112
1,2-Dichlorobenzene	0.038	0.077	0.191	0.013	0.212	0.2	106
1,2-Dibromo-3-chloropropane	0.999	1.997	4.994	0.333	4.836	5	97
1,2,4-Trichlorobenzene	0.053	0.105	0.263	0.018	0.218	0.2	109
Hexachlorobutadiene	0.115	0.230	0.576	0.038	0.224	0.2	112
Naphthalene	0.111	0.222	0.555	0.037	0.227	0.2	113
1,2,3-Trichlorobenzene	0.036	0.071	0.178	0.012	0.225	0.2	113

EPA 8260D
Sequence Tables

Sequence Name: D:\GCMS13\sequence\02-14-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\02-14-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	021401	VM080322	rinse
2)	Sample	100	021402	VM080322	rinse
3)	Sample	1	021403	VM080322	10 ppb 8260 CCV 67-97N
4)	Sample	2	021404	VM080322	10 ppb 8260 CCV 68-127N
5)	Sample	100	021405	VM080322	rinse
6)	Sample	100	021406	VM080322	rinse
7)	Sample	100	021407	VM080322	rinse
8)	Sample	100	021408	VM080322	rinse
9)	Sample	3	021409	VM080322	0.02 ppb test
10)	Sample	100	021410	VM080322	50 ng BFB 67-152A
11)	Sample	100	021411	VM080322	rinse
12)	Sample	100	021412	VM080322	rinse
13)	Sample	100	021413	VM080322	rinse
14)	Sample	100	021414	VM080322	rinse
15)	Sample	100	021415	VM080322	rinse
16)	Sample	4	021416	VM080322	0.02 ppb 8260 CCV 68-127F
17)	Sample	5	021417	VM080322	0.04 ppb 8260 CCV 68-127G
18)	Sample	6	021418	VM080322	0.1 ppb 8260 CCV 68-127H
19)	Sample	7	021419	VM080322	0.2 ppb 8260 CCV 68-127I
20)	Sample	8	021420	VM080322	0.5 ppb 8260 CCV 68-127J
21)	Sample	9	021421	VM080322	1 ppb 8260 CCV 68-127K
22)	Sample	10	021422	VM080322	2 ppb 8260 CCV 68-127L
23)	Sample	11	021423	VM080322	5 ppb 8260 CCV 68-127M
24)	Sample	12	021424	VM080322	10 ppb 8260 CCV 68-127N
25)	Sample	13	021425	VM080322	20 ppb 8260 CCV 68-127O
26)	Sample	14	021426	VM080322	50 ppb 8260 CCV 68-127Q
27)	Sample	15	021427	VM080322	100 ppb 8260 CCV 68-127S
28)	Sample	16	021428	VM080322	150 ppb 8260 CCV 68-127T
29)	Sample	17	021429	VM080322	200 ppb 8260 CCV 68-127U
30)	Sample	18	021430	VM080322	rinse vial
31)	Sample	19	021431	VM080322	10 ppb 8260 SCV 68-134A
32)	Sample	100	021432	VM080322	rinse
33)	Sample	100	021433	VM080322	rinse
34)	Sample	100	021434	VM080322	rinse

Injection Log

Data Directory: U:\GCMS13\GCMS13_Data\02-14-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 021401.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:21 am
2) 021402.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 05:44 am
3) 021403.D	VM080322.M			
10 ppb 8260 CCV 67..	soil/water	1	1.000	14 Feb 2023 06:07 am
4) 021404.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	2	1.000	14 Feb 2023 07:46 am
5) 021405.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:22 am
6) 021406.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 11:44 am
7) 021407.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 12:07 pm
8) 021408.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 01:06 pm
9) 021409.D	VM080322.M			
0.02 ppb test	soil/water	3	1.000	14 Feb 2023 01:40 pm
10) 021410.D	VM080322.M			
[redacted]	direct inject	100	1.000	14 Feb 2023 02:17 pm
11) 021411.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 02:55 pm
12) 021412.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:18 pm
13) 021413.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 03:41 pm
14) 021414.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:04 pm
15) 021415.D	VM080322.M			
rinse		100	1.000	14 Feb 2023 04:27 pm
16) 021416.D	VM080322.M			
0.02 ppb 8260 CCV ..	Soil/water	4	1.000	14 Feb 2023 04:51 pm
17) 021417.D	VM080322.M			
0.04 ppb 8260 CCV ..	Soil/water	5	1.000	14 Feb 2023 05:14 pm
18) 021418.D	VM080322.M			
0.1 ppb 8260 CCV 6..	Soil/water	6	1.000	14 Feb 2023 05:37 pm
19) 021419.D	VM080322.M			
0.2 ppb 8260 CCV 6..	Soil/water	7	1.000	14 Feb 2023 06:01 pm
20) 021420.D	VM080322.M			
0.5 ppb 8260 CCV 6..	Soil/water	8	1.000	14 Feb 2023 06:24 pm
21) 021421.D	VM080322.M			

1 ppb 8260 CCV 68-..	Soil/water	9	1.000	14 Feb 2023	06:47 pm
22) 021422.D	VM080322.M				
2 ppb 8260 CCV 68-..	Soil/water	10	1.000	14 Feb 2023	07:10 pm
23) 021423.D	VM080322.M				
5 ppb 8260 CCV 68-..	Soil/water	11	1.000	14 Feb 2023	07:33 pm
24) 021424.D	VM080322.M				
10 ppb 8260 CCV 68..	Soil/water	12	1.000	14 Feb 2023	07:56 pm
25) 021425.D	VM080322.M				
20 ppb 8260 CCV 68..	Soil/water	13	1.000	14 Feb 2023	08:20 pm
26) 021426.D	VM080322.M				
50 ppb 8260 CCV 68..	Soil/water	14	1.000	14 Feb 2023	08:43 pm
27) 021427.D	VM080322.M				
100 ppb 8260 CCV 6..	Soil/water	15	1.000	14 Feb 2023	09:06 pm
28) 021428.D	VM080322.M				
150 ppb 8260 CCV 6..	Soil/water	16	1.000	14 Feb 2023	09:29 pm
29) 021429.D	VM080322.M				
200 ppb 8260 CCV ..	Soil/water	17	1.000	14 Feb 2023	09:53 pm
30) 021430.D	VM080322.M				
rinse vial	Soil/water	18	1.000	14 Feb 2023	10:16 pm
31) 021431.D	VM080322.M				
10 ppb 8260 SCV 68..	Soil/water	19	1.000	14 Feb 2023	10:39 pm
32) 021432.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:02 pm
33) 021433.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:25 pm
34) 021434.D	VM080322.M				
rinse	Soil/water	100	1.000	14 Feb 2023	11:48 pm

Sequence Name: D:\GCMS13\sequence\03-08-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\03-08-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

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Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	030801	VM080322	rinse
2)	Sample	100	030802	VM080322	rinse
3)	Sample	1	030803	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	030804	VM080322	03-0534 lcs
5)	Sample	3	030805	VM080322	03-0534 lcsd
6)	Sample	100	030806	VM080322	rinse
7)	Sample	4	030807	VM080322	03-0534 mb
8)	Sample	5	030808	VM080322	03-0378 mb 1/0.25
9)	Sample	100	030809	VM080322	rinse
10)	Sample	100	030810	VM080322	rinse
11)	Sample	6	030811	VM080322	0.02 ppb test
12)	Sample	100	030812	VM080322	50 ng BFB 67-152a
13)	Sample	100	030813	VM080322	rinse
14)	Sample	100	030814	VM080322	rinse
15)	Sample	100	030815	VM080322	rinse
16)	Sample	100	030816	VM080322	rinse
17)	Sample	100	030817	VM080322	rinse
18)	Sample	7	030818	VM080322	0.02 ppb 8260 ICAL 68-161F
19)	Sample	8	030819	VM080322	0.04 ppb 8260 ICAL 68-161G
20)	Sample	9	030820	VM080322	0.1 ppb 8260 ICAL 68-161H
21)	Sample	10	030821	VM080322	0.2 ppb 8260 ICAL 68-161I
22)	Sample	11	030822	VM080322	0.5 ppb 8260 ICAL 68-161J
23)	Sample	12	030823	VM080322	1 ppb 8260 ICAL 68-161K
24)	Sample	13	030824	VM080322	2 ppb 8260 ICAL 68-161L
25)	Sample	14	030825	VM080322	5 ppb 8260 ICAL 68-161M
26)	Sample	15	030826	VM080322	10 ppb 8260 ICAL 68-161N
27)	Sample	16	030827	VM080322	20 ppb 8260 ICAL 68-161O
28)	Sample	17	030828	VM080322	50 ppb 8260 ICAL 68-161Q
29)	Sample	18	030829	VM080322	100 ppb 8260 ICAL 68-161S
30)	Sample	19	030830	VM080322	150 ppb 8260 ICAL 68-161T
31)	Sample	20	030831	VM080322	200 ppb 8260 ICAL 68-161U
32)	Sample	21	030832	VM080322	rinse vial
33)	Sample	22	030833	VM080322	10 ppb 8260 SCV 68-165C
34)	Sample	100	030834	VM080322	rinse
35)	Sample	100	030835	VM080322	rinse
36)	Sample	100	030836	VM080322	rinse
37)	Sample	100	030837	VM080322	rinse
38)	Sample	100	030838	VM080322	rinse
39)	Sample	100	030839	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\03-08-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 030808.D	VM080322.M			
No data found			0.000	N/A
2) 030801.D	VM080322.M			
rinse		100	1.000	08 Mar 2023 05:27 am
3) 030802.D	VM080322.M			
rinse		100	1.000	08 Mar 2023 05:50 am
4) 030803.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	08 Mar 2023 06:13 am
5) 030804.D	VM080322.M			
03-0534 lcs	water	2	1.000	08 Mar 2023 06:36 am
6) 030805.D	VM080322.M			
03-0534 lcsd	water	3	1.000	08 Mar 2023 06:59 am
7) 030806.D	VM080322.M			
rinse		100	1.000	08 Mar 2023 07:22 am
8) 030807.D	VM080322.M			
03-0534 mb	water	4	1.000	08 Mar 2023 07:46 am
9) 030809.D	VM080322.M			
rinse		100	1.000	08 Mar 2023 08:21 am
10) 030810.D	VM080322.M			
rinse		100	1.000	08 Mar 2023 08:50 am
11) 030811.D	VM080322.M			
0.02 ppb test		6	1.000	08 Mar 2023 09:23 am
12) 030812.D	VM080322.M			
50 ng BFB 67-152a	direct inject	100	1.000	08 Mar 2023 09:46 am
13) 030813.D	VM080322.M			
rinse	soil/water	100	1.000	08 Mar 2023 10:19 am
14) 030814.D	VM080322.M			
rinse	soil/water	100	1.000	08 Mar 2023 10:42 am
15) 030815.D	VM080322.M			
rinse	soil/water	100	1.000	08 Mar 2023 11:05 am
16) 030816.D	VM080322.M			
rinse	soil/water	100	1.000	08 Mar 2023 11:28 am
17) 030817.D	VM080322.M			
rinse	soil/water	100	1.000	08 Mar 2023 11:51 am
18) 030818.D	VM080322.M			
0.02 ppb 8260 ICAL..	soil/water	7	1.000	08 Mar 2023 12:14 pm
19) 030819.D	VM080322.M			
0.04 ppb 8260 ICAL..	soil/water	8	1.000	08 Mar 2023 12:37 pm
20) 030820.D	VM080322.M			
0.1 ppb 8260 ICAL ..	soil/water	9	1.000	08 Mar 2023 01:00 pm
21) 030821.D	VM080322.M			

0.2 ppb 8260 ICAL .. soil/water 10 1.000 08 Mar 2023 01:24 pm

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22) 030822.D VM080322.M
0.5 ppb 8260 ICAL .. soil/water 11 1.000 08 Mar 2023 01:47 pm

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23) 030823.D VM080322.M
1 ppb 8260 ICAL 68.. soil/water 12 1.000 08 Mar 2023 02:10 pm

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24) 030824.D VM080322.M
2 ppb 8260 ICAL 68.. soil/water 13 1.000 08 Mar 2023 02:33 pm

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25) 030825.D VM080322.M
5 ppb 8260 ICAL 68.. soil/water 14 1.000 08 Mar 2023 02:57 pm

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26) 030826.D VM080322.M
10 ppb 8260 ICAL 6.. soil/water 15 1.000 08 Mar 2023 03:20 pm

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27) 030827.D VM080322.M
20 ppb 8260 ICAL 6.. soil/water 16 1.000 08 Mar 2023 03:43 pm

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28) 030828.D VM080322.M
50 ppb 8260 ICAL 6.. soil/water 17 1.000 08 Mar 2023 04:07 pm

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29) 030829.D VM080322.M
100 ppb 8260 ICAL .. soil/water 18 1.000 08 Mar 2023 04:30 pm

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30) 030830.D VM080322.M
150 ppb 8260 ICAL .. soil/water 19 1.000 08 Mar 2023 04:53 pm

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31) 030831.D VM080322.M
200 ppb 8260 ICAL .. soil/water 20 1.000 08 Mar 2023 05:17 pm

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32) 030832.D VM080322.M
rinse vial soil/water 21 1.000 08 Mar 2023 05:40 pm

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33) 030833.D VM080322.M
10 ppb 8260 SCV 68.. soil/water 22 1.000 08 Mar 2023 06:03 pm

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34) 030834.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 06:26 pm

---

35) 030835.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 06:49 pm

---

36) 030836.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 07:12 pm

---

37) 030837.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 07:34 pm

---

38) 030838.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 07:57 pm

---

39) 030839.D VM080322.M
rinse soil/water 100 1.000 08 Mar 2023 08:20 pm

Sequence Name: D:\GCMS13\sequence\03-03-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\03-03-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

B 3/6

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	030301	VM080322	rinse
2)	Sample	100	030302	VM080322	rinse
3)	Sample	1	030303	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	030304	VM080322	03-0368 lcs
5)	Sample	3	030305	VM080322	03-0368 lcsd
6)	Sample	100	030306	VM080322	rinse
7)	Sample	4	030307	VM080322	03-0368 mb
8)	Sample	5	030308	VM080322	03-0366 mb 1/0.25
9)	Sample	6	030309	VM080322	10 ppb 8260 CCV 68-148N
10)	Sample	7	030310	VM080322	03-0368 lcs rr
11)	Sample	8	030311	VM080322	03-0368 lcsd rr
12)	Sample	100	030312	VM080322	rinse
13)	Sample	9	030313	VM080322	03-0368 mb rr
14)	Sample	10	030314	VM080322	303021-01
15)	Sample	11	030315	VM080322	303021-02
16)	Sample	100	030316	VM080322	rinse
17)	Sample	100	030317	VM080322	rinse
18)	Sample	100	030318	VM080322	rinse
19)	Sample	100	030319	VM080322	rinse
20)	Sample	100	030320	VM080322	rinse
21)	Sample	100	030321	VM080322	rinse
22)	Sample	12	030322	VM080322	302330-01
23)	Sample	13	030323	VM080322	302330-03
24)	Sample	14	030324	VM080322	302330-04
25)	Sample	15	030325	VM080322	302330-02
26)	Sample	16	030326	VM080322	302330-05
27)	Sample	17	030327	VM080322	302330-06
28)	Sample	18	030328	VM080322	302330-08
29)	Sample	19	030329	VM080322	302330-07
30)	Sample	20	030330	VM080322	302330-09
31)	Sample	21	030331	VM080322	302330-02 ms
32)	Sample	100	030332	VM080322	rinse
33)	Sample	22	030333	VM080322	303051-13 1/1000
34)	Sample	100	030334	VM080322	rinse
35)	Sample	100	030335	VM080322	rinse
36)	Sample	100	030336	VM080322	rinse
37)	Sample	100	030337	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\03-03-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 030301.D	VM080322.M			
rinse		100	1.000	03 Mar 2023 05:13 am
2) 030302.D	VM080322.M			
rinse		100	1.000	03 Mar 2023 05:35 am
3) 030303.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	03 Mar 2023 05:59 am
4) 030304.D	VM080322.M			
03-0368 lcs	water	2	1.000	03 Mar 2023 06:22 am
5) 030305.D	VM080322.M			
03-0368 lcsd	water	3	1.000	03 Mar 2023 06:45 am
6) 030306.D	VM080322.M			
rinse		100	1.000	03 Mar 2023 07:08 am
7) 030307.D	VM080322.M			
03-0368 mb	water	4	1.000	03 Mar 2023 07:31 am
8) 030308.D	VM080322.M			
03-0366 mb 1/0.25	soil	5	1.000	03 Mar 2023 07:55 am
9) 030309.D	VM080322.M			
10 ppb 8260 CCV 68..	water	6	1.000	03 Mar 2023 09:24 am
10) 030310.D	VM080322.M			
03-0368 lcs rr	water	7	1.000	03 Mar 2023 09:48 am
11) 030311.D	VM080322.M			
03-0368 lcsd rr	water	8	1.000	03 Mar 2023 10:11 am
12) 030312.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 10:34 am
13) 030313.D	VM080322.M			
03-0368 mb rr	water	9	1.000	03 Mar 2023 10:57 am
14) 030314.D	VM080322.M			
303021-01	water	10	1.000	03 Mar 2023 11:20 am
15) 030315.D	VM080322.M			
303021-02	water	11	1.000	03 Mar 2023 11:44 am
16) 030316.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 12:07 pm
17) 030317.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 12:29 pm
18) 030318.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 12:53 pm
19) 030319.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 01:15 pm
20) 030320.D	VM080322.M			
rinse	water	100	1.000	03 Mar 2023 01:38 pm
21) 030321.D	VM080322.M			

DNR

OH SAMPLES

OH SAMPLES

OH SAMPLES

rinse	water		100	1.000	03 Mar 2023	02:01 pm
22) 030322.D		VM080322.M				
302330-01	water		12	1.000	03 Mar 2023	02:25 pm
23) 030323.D		VM080322.M				
302330-03	water		13	1.000	03 Mar 2023	02:48 pm
24) 030324.D		VM080322.M				
302330-04	water		14	1.000	03 Mar 2023	03:11 pm
25) 030325.D		VM080322.M				
302330-02	water		15	1.000	03 Mar 2023	03:35 pm
26) 030326.D		VM080322.M				
302330-05	water		16	1.000	03 Mar 2023	03:58 pm
27) 030327.D		VM080322.M				
302330-06	water		17	1.000	03 Mar 2023	04:21 pm
28) 030328.D		VM080322.M				
302330-08	water		18	1.000	03 Mar 2023	04:44 pm
29) 030329.D		VM080322.M				
302330-07	water		19	1.000	03 Mar 2023	05:08 pm
30) 030330.D		VM080322.M				
302330-09	water		20	1.000	03 Mar 2023	05:31 pm
31) 030331.D		VM080322.M				
302330-02 ms	water		21	1.000	03 Mar 2023	05:54 pm
32) 030332.D		VM080322.M				
rinse	water		100	1.000	03 Mar 2023	06:17 pm
33) 030333.D		VM080322.M				
303051-13 1/1000	water		22	1.000	03 Mar 2023	06:41 pm
34) 030334.D		VM080322.M				
rinse	water		100	1.000	03 Mar 2023	07:03 pm
35) 030335.D		VM080322.M				
rinse	water		100	1.000	03 Mar 2023	07:26 pm
36) 030336.D		VM080322.M				
rinse	water		100	1.000	03 Mar 2023	07:49 pm
37) 030337.D		VM080322.M				
rinse	water		100	1.000	03 Mar 2023	08:12 pm

PB 3/10

Sequence Name: D:\GCMS13\sequence\03-09-23.sequence.xml
Comment:
Operator: lm
Data Path: D:\GCMS13\GCMS13_Data\03-09-23\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

Sequence Barcode Options
( ) On Mismatch, Inject Anyway
( ) On Mismatch, Don't Inject
(X) Barcode Disabled

Line	Type	ALS	File	Method	Sample Name/Misc Info
1)	Sample	100	030901	VM080322	rinse
2)	Sample	100	030902	VM080322	rinse
3)	Sample	1	030903	VM080322	10 ppb 8260 CCV 68-136N
4)	Sample	2	030904	VM080322	03-0540 lcs
5)	Sample	3	030905	VM080322	03-0540 lcsd
6)	Sample	100	030906	VM080322	rinse
7)	Sample	4	030907	VM080322	03-0540 mb
8)	Sample	5	030908	VM080322	03-0539 mb 1/0.25
9)	Sample	6	030909	VM080322	302330-09
10)	Sample	100	030910	VM080322	rinse
11)	Sample	7	030911	VM080322	03-0368 mb rr
12)	Sample	8	030912	VM080322	302330-02 rr
13)	Sample	100	030913	VM080322	50 ng BFB 67-152A
14)	Sample	9	030914	VM080322	0.02 ppb test
15)	Sample	100	030915	VM080322	rinse
16)	Sample	100	030916	VM080322	rinse
17)	Sample	100	030917	VM080322	rinse
18)	Sample	100	030918	VM080322	rinse
19)	Sample	100	030919	VM080322	rinse
20)	Sample	10	030920	VM080322	0.02 ppb 8260 ICAL 68-161F
21)	Sample	11	030921	VM080322	0.04 ppb 8260 ICAL 68-161G
22)	Sample	12	030922	VM080322	0.1 ppb 8260 ICAL 68-161H
23)	Sample	13	030923	VM080322	0.2 ppb 8260 ICAL 68-161I
24)	Sample	14	030924	VM080322	0.5 ppb 8260 ICAL 68-161J
25)	Sample	15	030925	VM080322	1 ppb 8260 ICAL 68-161K
26)	Sample	16	030926	VM080322	2 ppb 8260 ICAL 68-161L
27)	Sample	17	030927	VM080322	5 ppb 8260 ICAL 68-161M
28)	Sample	18	030928	VM080322	10 ppb 8260 ICAL 68-161N
29)	Sample	19	030929	VM080322	20 ppb 8260 ICAL 68-161O
30)	Sample	20	030930	VM080322	50 ppb 8260 ICAL 68-161Q
31)	Sample	21	030931	VM080322	100 ppb 8260 ICAL 68-161S
32)	Sample	22	030932	VM080322	150 ppb 8260 ICAL 68-161T
33)	Sample	23	030933	VM080322	200 ppb 8260 ICAL 68-161U
34)	Sample	24	030934	VM080322	rinse
35)	Sample	25	030935	VM080322	10 ppb 8260 SCV 68-165C
36)	Sample	100	030936	VM080322	rinse
37)	Sample	100	030937	VM080322	rinse
38)	Sample	100	030938	VM080322	rinse
39)	Sample	100	030939	VM080322	rinse

Injection Log

Data Directory: Y:\Proc_GCMS13\03-09-23\

SampleName	MiscInfo	Vial	Multiplier	Injection Time
1) 030901.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 05:17 am
2) 030902.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 05:40 am
3) 030903.D	VM080322.M			
10 ppb 8260 CCV 68..	soil/water	1	1.000	09 Mar 2023 06:03 am
4) 030904.D	VM080322.M			
03-0540 lcs	water	2	1.000	09 Mar 2023 06:27 am
5) 030905.D	VM080322.M			
03-0540 lcsd	water	3	1.000	09 Mar 2023 06:50 am
6) 030906.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 07:13 am
7) 030907.D	VM080322.M			
03-0540 mb	water	4	1.000	09 Mar 2023 07:36 am
8) 030908.D	VM080322.M			
03-0539 mb 1/0.25	soil	5	1.000	09 Mar 2023 07:59 am
9) 030909.D	VM080322.M			
302330-09	water	6	1.000	09 Mar 2023 10:41 am
10) 030910.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 12:15 pm
11) 030911.D	VM080322.M			
03-0368 mb rr	water	7	1.000	09 Mar 2023 12:38 pm
12) 030912.D	VM080322.M			
302330-02 rr	water	8	1.000	09 Mar 2023 01:02 pm
13) 030913.D	VM080322.M			
50 ng BFB 67-152A	direct inject	100	1.000	09 Mar 2023 04:38 pm
14) 030914.D	VM080322.M			
0.02 ppb test		9	1.000	09 Mar 2023 06:11 pm
15) 030915.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 06:49 pm
16) 030916.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 07:12 pm
17) 030917.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 07:36 pm
18) 030918.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 07:59 pm
19) 030919.D	VM080322.M			
rinse		100	1.000	09 Mar 2023 08:22 pm
20) 030920.D	VM080322.M			
0.02 ppb 8260 ICAL..	soil/water	10	1.000	09 Mar 2023 08:45 pm
21) 030921.D	VM080322.M			

not used

0.04 ppb 8260 ICAL.. soil/water		11	1.000	09 Mar 2023	09:08 pm
22) 030922.D	VM080322.M				
0.1 ppb 8260 ICAL .. soil/water		12	1.000	09 Mar 2023	09:32 pm
23) 030923.D	VM080322.M				
0.2 ppb 8260 ICAL .. soil/water		13	1.000	09 Mar 2023	09:55 pm
24) 030924.D	VM080322.M				
0.5 ppb 8260 ICAL .. soil/water		14	1.000	09 Mar 2023	10:18 pm
25) 030925.D	VM080322.M				
1 ppb 8260 ICAL 68.. soil/water		15	1.000	09 Mar 2023	10:42 pm
26) 030926.D	VM080322.M				
2 ppb 8260 ICAL 68.. soil/water		16	1.000	09 Mar 2023	11:05 pm
27) 030927.D	VM080322.M				
5 ppb 8260 ICAL 68.. soil/water		17	1.000	09 Mar 2023	11:28 pm
28) 030928.D	VM080322.M				
10 ppb 8260 ICAL 6.. soil/water		18	1.000	09 Mar 2023	11:52 pm
29) 030929.D	VM080322.M				
20 ppb 8260 ICAL 6.. soil/water		19	1.000	10 Mar 2023	12:15 am
30) 030930.D	VM080322.M				
50 ppb 8260 ICAL 6.. soil/water		20	1.000	10 Mar 2023	12:38 am
31) 030931.D	VM080322.M				
100 ppb 8260 ICAL .. soil/water		21	1.000	10 Mar 2023	01:01 am
32) 030932.D	VM080322.M				
150 ppb 8260 ICAL .. soil/water		22	1.000	10 Mar 2023	01:25 am
33) 030933.D	VM080322.M				
200 ppb 8260 ICAL .. soil/water		23	1.000	10 Mar 2023	01:48 am
34) 030934.D	VM080322.M				
rinse	soil/water	24	1.000	10 Mar 2023	02:11 am
35) 030935.D	VM080322.M				
10 ppb 8260 SCV 68.. soil/water		25	1.000	10 Mar 2023	02:35 am
36) 030936.D	VM080322.M				
rinse		100	1.000	10 Mar 2023	02:58 am
37) 030937.D	VM080322.M				
rinse		100	1.000	10 Mar 2023	03:21 am
38) 030938.D	VM080322.M				
rinse		100	1.000	10 Mar 2023	03:44 am
39) 030939.D	VM080322.M				
rinse		100	1.000	10 Mar 2023	04:06 am

EPA 8260D
Checklists

GC/MS ICAL Checklist

Instrument: GC/MS 13 Sequence Date: 2.14.23 Shift # 3

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	2/15
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

YA 02/15/23
Supervisor Initials and Date

GC/MS ICAL Checklist

Instrument: GC/MS 13 Sequence Date: 3.08.23 Shift # 2

Item	Initial	Date
Shift and Batch		
Initial Calibration Analyzed, Evaluated and Passed	✓	3/9/23
2nd source passed	✓	
Analyte retention time checked	✓	
Tune passed	✓	
Non-Conformance Report filled out (if needed)		

Notes: Only for PCE

Attach this sheet to raw data package.

03/09/23

Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 3.3.23 Shift # 2

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	3/6
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	✓	
Matrix spike (MS) analyzed	✓	
RPDs within limits	✓	
Continuing Calibration Analyzed, Evaluated and Passed	all in	
Non-Conformance Report filled out (if needed)	NA	

Notes:

Attach this sheet to raw data package.

Supervisor Initials and Date

GC/MS Data
Daily Checklist

Instrument: GC/MS 13 Sequence Date: 3.9.23 Shift # 1

Item	Initial	Date
Shift and Batch		
All samples analyzed within 12 hour shift	✓	3/9
Internal Standards within limits (50-200% of the CCVs for 8260, 8270; 70-130% for 524.2)	✓	
Surrogate recoveries within limits	✓	
Laboratory control sample (LCS) recoveries within limits	N	
Matrix spike (MS) analyzed	I	
RPDs within limits	I	
Continuing Calibration Analyzed, Evaluated and Passed	PCE in	
Non-Conformance Report filled out (if needed)		

Notes: PCE only

Attach this sheet to raw data package.

YA 03/17/23
Supervisor Initials and Date

EPA 8260D

Internal Standard/Surrogate Summaries

GC/MS QA-QC Check Report

Tune File : U:\GCMS13\GCMS13_Data\02-14-23\021410.D
Tune Time : 14 Feb 2023 02:17 pm

Daily Calibration File : U:\GCMS13\GCMS13_Data\02-14-23\021424.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						66660	55853	31852
File	Sample	Surrogate Recovery %				Internal Standard Responses		
021416.D	0.02 ppb 8	103	108	102	102	64603	58994	33520
021417.D	0.04 ppb 8	95	92	93	102	70232	58100	33383
021418.D	0.1 ppb 82	101	100	103	101	63727	58408	33364
021419.D	0.2 ppb 82	97	93	94	101	67422	56491	32724
021420.D	0.5 ppb 82	103	104	101	102	63984	57214	33099
021421.D	1 ppb 8260	96	97	92	101	69009	57563	32787
021422.D	2 ppb 8260	92	89	94	100	68352	58200	33183
021423.D	5 ppb 8260	100	101	101	99	63140	55777	33064
021424.D	10 ppb 826	95	101	92	101	66660	55853	31852
021425.D	20 ppb 826	103	103	103	100	58597	53628	30943
021426.D	50 ppb 826	105	101	106	95	54707	52254	30340
021427.D	100 ppb 82	105	105	106	97	53347	50610	29761
021428.D	150 ppb 82	105	105	106	99	53199	49596	28754
021429.D	200 ppb 8	102	103	105	99	52882	49700	28223
021431.D	10 ppb 826	102	98	103	98	60557	55535	32100

(fails) - fails 12hr time check * - fails criteria

Created: Wed Feb 15 11:16:45 2023 GCMS13

GC/MS QA-QC Check Report

Tune File : Y:\Proc_GCMS13\03-03-23\030309.D
Tune Time : 03 Mar 2023 09:24 am

Daily Calibration File : Y:\Proc_GCMS13\03-03-23\030309.D

		(DMF)	(DHL)	(TOL)	(BFB)			
						45289	42124	22000
File	Sample	Surrogate Recovery %				Internal Standard Responses		
030310.D	03-0368 lc	104	98	108	100	42031	40184	22548
030311.D	03-0368 lc	102	105	107	99	41048	39317	22068
030313.D	03-0368 mb	93	93	94	105	47946	40103	21608
030314.D	303021-01	96	93	96	105	47732	40930	22576
030315.D	303021-02	109	102	108	105	43301	42077	23807
030322.D	302330-01	102	101	104	104	44824	41908	22790
030323.D	302330-03	104	103	105	106	43536	40815	22563
030324.D	302330-04	102	103	103	107	43841	40431	21772
030325.D	302330-02	103	106	104	101	43571	40489	22030
030326.D	302330-05	103	104	105	108	44596	41148	21794
030327.D	302330-06	104	104	104	105	43027	39252	21511
030328.D	302330-08	106	99	103	103	43562	39879	22017
030329.D	302330-07	105	103	102	101	43193	38840	21234
030330.D	302330-09	105	109	104	105	42665	40510	21475
030331.D	302330-02	104	104	109	103	41863	39883	22835
030333.D	303051-13	104	103	104	103	42313	39317	21751

(fails) - fails 12hr time check * - fails criteria

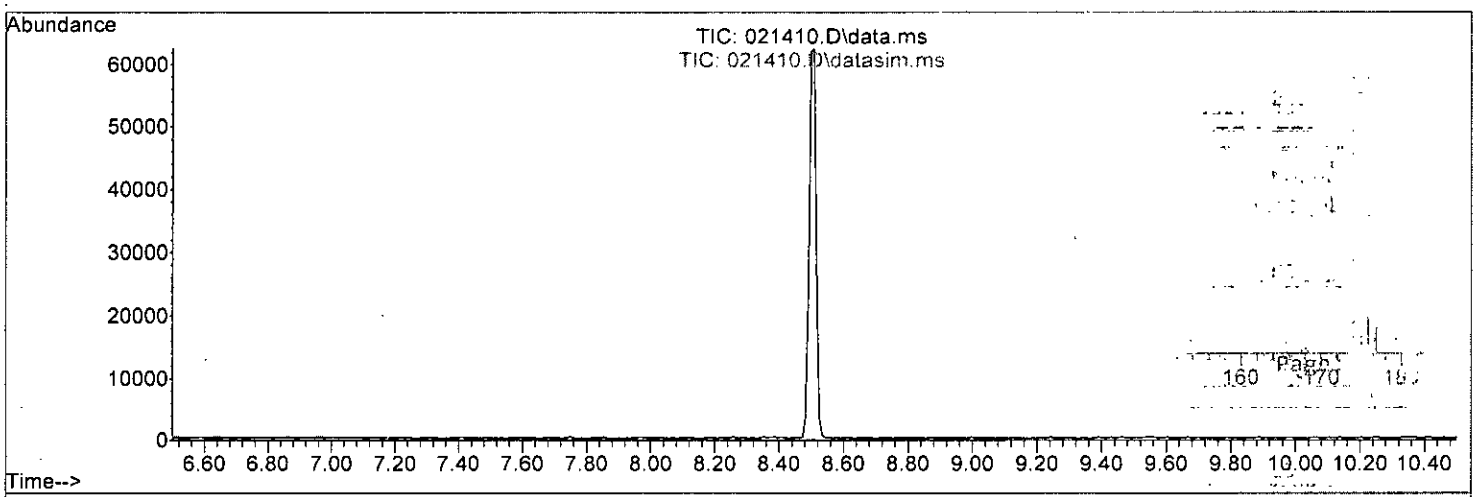
Created: Mon Mar 06 09:15:28 2023 GCMS13

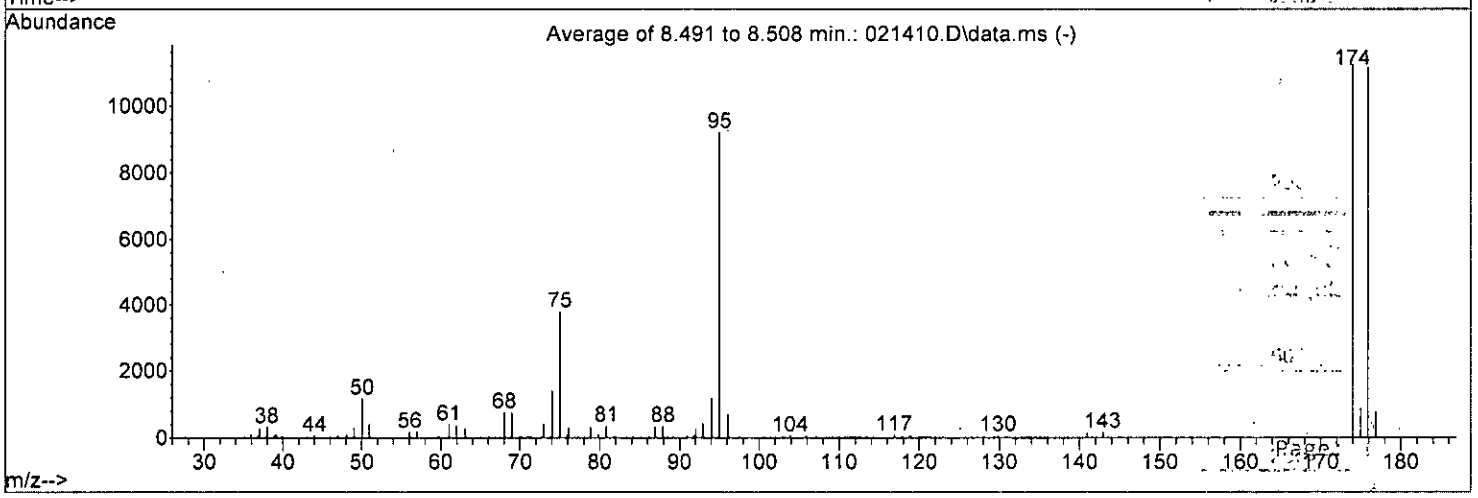
EPA 8260D
Tune Summaries

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021410.D
Acq On : 14 Feb 2023 02:17 pm
Operator : lm
Sample : 50 ng BFB 67-152A
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst13\VB011223ms13LL.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
Last Update : Fri Jan 13 11:09:57 2023





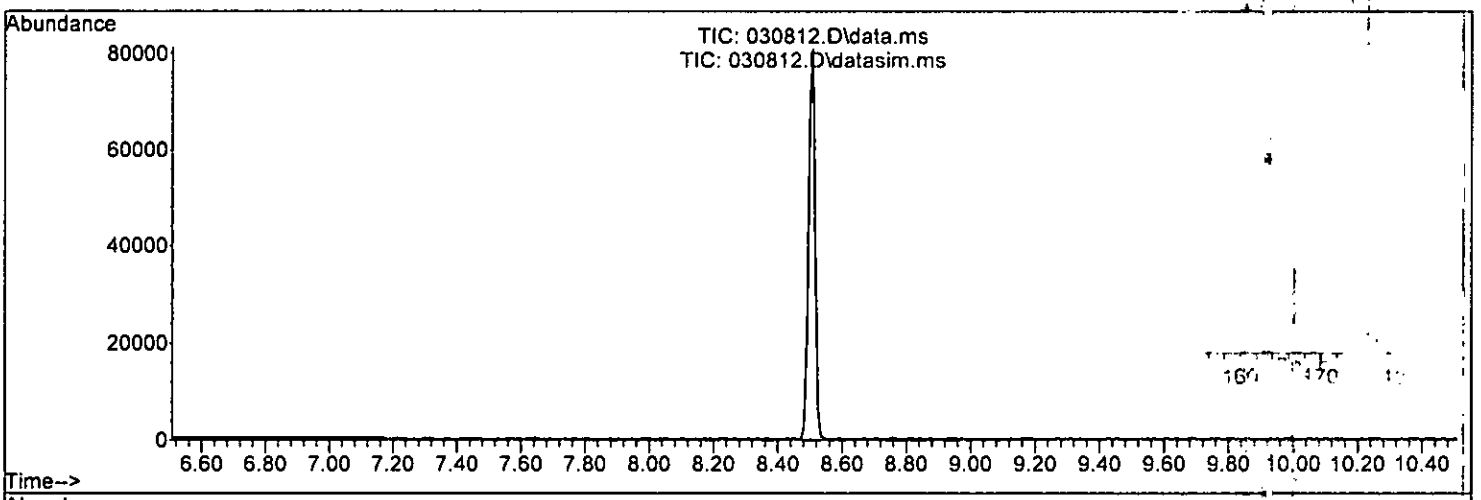
AutoFind: Scans 714, 715, 716; Background Corrected with Scan 710

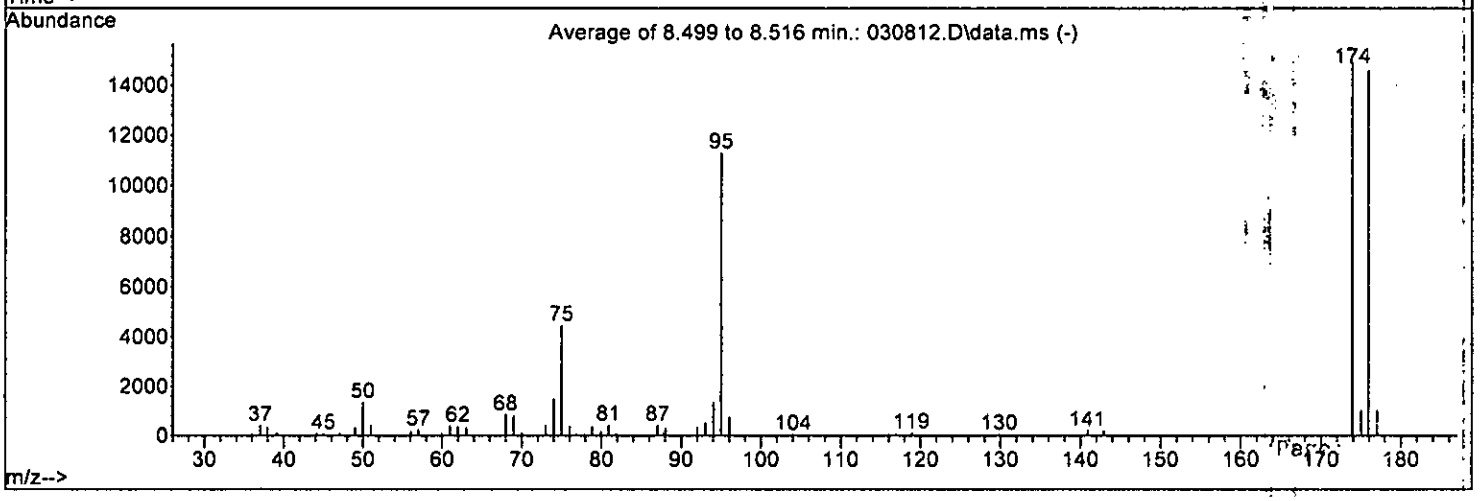
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	81.9	9195	PASS
96	95	5	9	7.5	686	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	122.1	11227	PASS
175	174	5	9	7.7	861	PASS
176	174	95	105	99.1	11122	PASS
177	176	5	10	6.8	759	PASS

Data Path : U:\GCMS13\GCMS13_Data\03-08-23\
Data File : 030812.D
Acq On : 08 Mar 2023 09:46 am
Operator : lm
Sample : 50 ng BFB 67-152a
Misc : direct inject
ALS Vial : 100 Sample Multiplier: 1

Integration File signal 1: LSCINT.P
Integration File signal 2: rteint2.p

Method : Y:\Methods\Inst13\VB021423ms13LL.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition LL
Last Update : Wed Feb 15 10:42:07 2023





AutoFind: Scans 715, 716, 717; Background Corrected with Scan 710

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
95	174	50	200	75.7	11294	PASS
96	95	5	9	6.5	737	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	132.1	14925	PASS
175	174	5	9	6.8	1013	PASS
176	174	95	105	97.5	14554	PASS
177	176	5	10	6.7	981	PASS

EPA 8260D
Initial Calibrations

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Calibration Files
0.02=021416.D 0.04=021417.D 0.1 =021418.D 0.2 =021419.D 0.5 =021420.D 1 =021421.D 2 =021422.D 5 =021423.D 10 =021424.D 20 =021425.D
50 =021426.D 100 =021427.D 150 =021428.D 200 =021429.D

	Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I Fluorobenzene	ISTD															
2)	TMP Ethanol															0.000#	-1.00
3)	S Dibromofluorom...	0.320	0.295	0.316	0.301	0.322	0.299	0.286	0.312	0.296	0.322	0.326	0.328	0.328	0.320	0.312	4.51
4)	TMP Dichlorodifluo...					0.685	0.617	0.647	0.742	0.697	0.743	0.797	0.779	0.761	0.829	0.730	9.20
5)	TMP Chloromethane						0.490	0.474	0.508	0.443	0.477	0.523	0.520	0.504	0.561	0.500	6.83
6)	TMP Vinyl chloride	0.596	0.612	0.537	0.498	0.515	0.469	0.471	0.530	0.486	0.516	0.556	0.542	0.532	0.587	0.532	8.37
7)	TMP Bromomethane							0.682	0.443	0.450	0.462	0.478	0.461	0.460	0.494	0.491	16.07
8)	TMP Chloroethane				0.225	0.219	0.212	0.207	0.265	0.242	0.258	0.271	0.263	0.266	0.290	0.247	11.15
9)	TMP Trichlorofluor...				1.029	1.220	1.320	1.286	1.331	1.242	1.296	1.399	1.436	1.412	1.543	1.319	10.18
10)	TMP 2-Propanol															0.000	-1.00
11)	TMP Acetone					0.032	0.026	0.025	0.024	0.021	0.023	0.024	0.023	0.023	0.028	0.025	11.99
12)	TMP 1,1-Dichloroet...	0.519	0.491	0.446	0.394	0.423	0.397	0.379	0.479	0.415	0.430	0.450	0.435	0.434	0.472	0.440	8.97
13)	TMP Hexane					0.244	0.212	0.218	0.227	0.212	0.226	0.237	0.239	0.229	0.262	0.231	6.70
14)	TMP Methylene chlo...							0.235	0.235	0.224	0.226	0.241	0.230	0.233	0.255	0.235	4.19
15)	TMP t-Butyl alcoho...						0.019	0.018	0.020	0.019	0.020	0.022	0.021	0.022	0.025	0.021#	10.00
16)	TMP Methyl t-butyl...	0.604	0.609	0.571	0.519	0.557	0.512	0.501	0.558	0.507	0.542	0.573	0.550	0.542	0.586	0.552	6.25
17)	TMP trans-1,2-Dich...		0.299	0.330	0.286	0.280	0.260	0.257	0.290	0.261	0.277	0.291	0.280	0.280	0.305	0.284	7.02
18)	TMP Diisopropyl et...				0.438	0.519	0.426	0.477	0.465	0.453	0.484	0.509	0.497	0.489	0.536	0.481#	7.06
19)	TMP 1,1-Dichloroet...		0.349	0.331	0.307	0.334	0.310	0.305	0.330	0.304	0.325	0.342	0.329	0.327	0.356	0.327	5.13
20)	TMP Ethyl t-butyl ...				0.178	0.283	0.248	0.235	0.256	0.244	0.265	0.282	0.273	0.274	0.299	0.258	12.61
21)	TMP 2,2-Dichloropr...				0.223	0.246	0.225	0.205	0.232	0.209	0.212	0.268	0.261	0.249	0.252	0.235	9.23
22)	TMP cis-1,2-Dichlo...	0.356	0.324	0.303	0.278	0.300	0.281	0.271	0.317	0.281	0.297	0.310	0.295	0.295	0.318	0.302	7.40
23)	TMP Chloroform				0.446	0.455	0.428	0.386	0.427	0.401	0.421	0.444	0.427	0.426	0.467	0.430	5.39
24)	TMP 2-Butanone (MEK)					0.093	0.078	0.079	0.085	0.085	0.091	0.096	0.092	0.092	0.099	0.089	7.98
25)	TMP t-Amyl methyl ...				0.481	0.535	0.518	0.488	0.511	0.475	0.515	0.544	0.526	0.519	0.567	0.516	5.31
26)	TMP 1,2-Dichloroet...		0.441	0.358	0.293	0.297	0.287	0.281	0.286	0.264	0.279	0.290	0.276	0.273	0.292	0.301	15.83
27)	TMP 1,1,1-Trichlor...	0.480	0.409	0.432	0.399	0.438	0.414	0.400	0.435	0.403	0.438	0.465	0.451	0.456	0.493	0.437	6.84
28)	TMP 1,1-Dichloropr...				0.303	0.312	0.277	0.285	0.289	0.265	0.281	0.300	0.295	0.297	0.323	0.293	5.58
29)	TMP Carbon tetrach...				0.380	0.479	0.396	0.405	0.454	0.432	0.471	0.513	0.497	0.508	0.554	0.463	9.11
30)	S 1,2-Dichloroet...	0.067	0.057	0.062	0.058	0.064	0.060	0.055	0.062	0.063	0.064	0.062	0.065	0.065	0.064	0.062	5.43
31)	TMP Benzene	1.060	0.965	0.907	0.819	0.872	0.822	0.805	0.860	0.790	0.846	0.889	0.851	0.842	0.918	0.876	7.89
32)	TMP Trichloroethene	0.495	0.409	0.377	0.304	0.322	0.306	0.299	0.317	0.301	0.316	0.331	0.313	0.308	0.340	0.388	16.12
33)	TMP 1,2-Dichloropr...				0.145	0.160	0.175	0.163	0.181	0.163	0.177	0.182	0.180	0.180	0.196	0.173	8.04
34)	TMP Bromodichlorom...			0.234	0.251	0.323	0.277	0.284	0.305	0.282	0.307	0.328	0.324	0.325	0.356	0.300	11.72
35)	S Toluene-d8	0.947	0.868	0.961	0.872	0.944	0.855	0.877	0.944	0.860	0.955	0.991	0.989	0.991	0.982	0.931	5.68
36)	TMP Dibromomethane				0.149	0.172	0.161	0.164	0.173	0.160	0.171	0.184	0.178	0.179	0.194	0.171	7.42
37)	TMP 4-Methyl-2-pen...					0.035	0.040	0.040	0.041	0.040	0.043	0.047	0.046	0.046	0.051	0.043	10.85

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition

38)	TMP	cis-1,3-Dichlo...			0.319	0.224	0.320	0.287	0.271	0.283	0.277	0.302	0.344	0.347	0.351	0.387	0.309	14.34
39)	I	Chlorobenzene-d5	----------ISTD----------															
40)	TMP	Toluene	1.110	0.972	0.794	0.734	0.719	0.727	0.707	0.717	0.698	0.687	0.703	0.686	0.693	0.745	0.764	16.22
41)	TMP	trans-1,3-Dich...				0.301	0.322	0.283	0.277	0.308	0.301	0.300	0.330	0.334	0.346	0.378	0.316	9.30
42)	TMP	1,1,2-Trichlor...				0.203	0.208	0.206	0.203	0.205	0.199	0.196	0.201	0.196	0.200	0.215	0.203	2.75
43)	TMP	2-Hexanone					0.151	0.142	0.143	0.144	0.140	0.141	0.144	0.140	0.142	0.157	0.144	3.75
44)	TMP	1,3-Dichloropr...				0.338	0.398	0.344	0.348	0.346	0.320	0.321	0.327	0.323	0.324	0.348	0.340	6.61
45)	TMP	Tetrachloroethene	0.576	0.555	0.466	0.449	0.440	0.451	0.435	0.440	0.425	0.413	0.421	0.406	0.411	0.443	0.452	11.29
46)	TMP	Dibromochlorom...				0.410	0.437	0.416	0.418	0.429	0.415	0.428	0.446	0.451	0.457	0.501	0.437	6.04
47)	TMP	1,2-Dibromoeth...			0.417	0.320	0.330	0.322	0.325	0.319	0.328	0.318	0.317	0.323	0.316	0.319	0.346	0.331	8.21
48)	TMP	Chlorobenzene				0.907	0.979	0.987	0.972	0.966	0.960	0.941	0.966	0.950	0.969	1.039	0.967	3.34
49)	TMP	Ethylbenzene	1.627	1.609	1.377	1.298	1.300	1.307	1.294	1.310	1.271	1.256	1.268	1.214	1.215	1.294	1.331	9.62
50)	TMP	1,1,1,2-Tetrac...				0.382	0.351	0.390	0.364	0.390	0.384	0.384	0.399	0.399	0.409	0.447	0.391	6.28
51)	TMP	m,p-Xylene	0.750	0.704	0.610	0.578	0.580	0.584	0.578	0.585	0.567	0.552	0.553	0.529	0.528	0.564	0.590	10.62
52)	TMP	o-Xylene	0.678	0.671	0.572	0.565	0.565	0.561	0.549	0.562	0.544	0.532	0.538	0.521	0.520	0.552	0.566	8.58
53)	TMP	Styrene				0.849	0.925	0.867	0.854	0.852	0.842	0.829	0.850	0.824	0.824	0.886	0.855	3.49
54)	TMP	Isopropylbenzene				1.481	1.409	1.381	1.390	1.431	1.360	1.347	1.382	1.347	1.349	1.444	1.393	3.18
55)	TMP	Bromoform				0.268	0.284	0.277	0.266	0.285	0.278	0.281	0.305	0.313	0.323	0.360	0.295	9.64
56)	I	1,4-Dichlorobenzen...	----------ISTD----------															
57)	S	4-Bromofluorob...	0.629	0.628	0.626	0.624	0.629	0.624	0.616	0.613	0.622	0.614	0.588	0.597	0.611	0.611	0.617	1.99
58)	TMP	n-Propylbenzene				2.458	2.421	2.405	2.425	2.352	2.380	2.312	2.350	2.236	2.265	2.476	2.371	3.24
59)	TMP	Bromobenzene				0.958	0.845	0.892	0.843	0.840	0.838	0.808	0.839	0.810	0.839	0.916	0.857	5.37
60)	TMP	1,3,5-Trimethy...				1.948	2.009	2.045	1.961	1.889	1.962	1.913	1.947	1.847	1.866	2.020	1.946	3.25
61)	TMP	1,1,2,2-Tetrac...				0.423	0.497	0.491	0.495	0.463	0.458	0.453	0.471	0.457	0.480	0.514	0.473#	5.40
62)	TMP	1,2,3-Trichlor...				0.307	0.411	0.425	0.372	0.357	0.358	0.347	0.353	0.342	0.351	0.389	0.365#	9.13
63)	TMP	2-Chlorotoluene				1.494	1.451	1.543	1.456	1.403	1.403	1.336	1.351	1.264	1.279	1.403	1.399	6.17
64)	TMP	4-Chlorotoluene				1.870	1.595	1.576	1.659	1.629	1.590	1.549	1.568	1.486	1.504	1.635	1.606	6.38
65)	TMP	tert-Butylbenzene				2.234	2.051	2.115	2.049	1.970	2.043	1.966	2.042	1.964	2.000	2.160	2.054	4.17
66)	TMP	1,2,4-Trimethy...				1.878	1.992	1.957	1.960	1.986	2.002	1.967	2.027	1.953	1.995	2.181	1.991	3.71
67)	TMP	sec-Butylbenzene				2.432	2.509	2.569	2.565	2.540	2.557	2.441	2.557	2.458	2.495	2.722	2.531	3.19
68)	TMP	p-Isopropyltol...				2.428	2.387	2.422	2.449	2.447	2.534	2.455	2.579	2.484	2.503	2.743	2.494	3.97
69)	TMP	1,3-Dichlorobe...				1.630	1.563	1.614	1.491	1.472	1.510	1.456	1.510	1.477	1.505	1.651	1.534	4.48
70)	TMP	1,4-Dichlorobe...				1.566	1.446	1.550	1.487	1.457	1.450	1.390	1.455	1.407	1.438	1.569	1.474	4.21
71)	TMP	1,2-Dichlorobe...				1.456	1.488	1.504	1.428	1.398	1.431	1.383	1.443	1.413	1.446	1.587	1.452	3.92
72)	TMP	1,2-Dibromo-3-...					0.090	0.076	0.079	0.076	0.075	0.079	0.084	0.088	0.093	0.105	0.084	11.48
73)	TMP	1,2,4-Trichlor...				0.859	0.904	0.900	0.884	0.894	0.903	0.900	1.013	1.042	1.085	1.227	0.965	11.82
74)	TMP	Hexachlorobuta...				0.634	0.607	0.576	0.590	0.571	0.581	0.552	0.595	0.600	0.614	0.688	0.600	5.77
75)	TMP	Naphthalene			1.939	1.714	1.580	1.665	1.622	1.713	1.757	1.809	2.072	2.185	2.346	2.646	1.920	17.16
76)	TMP	1,2,3-Trichlor...				0.695	0.770	0.779	0.806	0.802	0.834	0.818	0.915	0.946	0.993	1.121	0.860	13.82

(#) = Out of Range

Compound List Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.74	1.000	A	1	A	B
2	T	Ethanol	45	2.34	0.495	A	1	A	B
3	S	Dibromofluoromethane	113	4.18	0.882	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.11	0.234	A	1	A	B
5	T	Chloromethane	50	1.25	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.33	0.280	L	1	A	B
7	T	Bromomethane	94	1.57	0.332	L	1	A	B
8	T	Chloroethane	-64	1.66	0.350	L	1	A	B
9	T	Trichlorofluoromethane	101	1.84	0.388	A	1	A	B
10	T	2-Propanol	45	2.34	0.495	A	1	A	B
11	T	Acetone	58	2.33	0.492	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.27	0.480	A	2	A	B
13	T	Hexane	57	3.16	0.667	A	2	A	B
14	T	Methylene chloride	84	2.69	0.569	L	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.82	0.595	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.93	0.620	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.92	0.618	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.35	0.708	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.27	0.692	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.66	0.773	L	3	A	B
21	T	2,2-Dichloropropane	77	3.76	0.795	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.77	0.796	A	2	A	B
23	T	Chloroform	83	4.04	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.79	0.801	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.61	0.974	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.52	0.954	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.19	0.885	A	2	A	B
28	T	1,1-Dichloropropene	75	4.33	0.915	A	2	A	B
29	T	Carbon tetrachloride	117	4.33	0.915	L	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.45	0.941	A	1	A	B
31	T	Benzene	-78	4.50	0.951	L	1	A	B
32	T	Trichloroethene	-95	5.05	1.067	L	3	A	B
33	T	1,2-Dichloropropane	63	5.24	1.107	A	1	A	B
34	T	Bromodichloromethane	83	5.48	1.158	L	2	A	B
35	S	Toluene-d8	98	6.11	1.289	A	1	A	B
36	T	Dibromomethane	93	5.34	1.127	A	2	A	B
37	T	4-Methyl-2-pentanone	85	6.01	1.270	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.88	1.241	Q	2	A	B
39	I	Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T	Toluene	-92	6.16	0.832	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.36	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.53	0.881	A	2	A	B
43	T	2-Hexanone	43	6.76	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.67	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.65	0.898	L	3	A	B
46	T	Dibromochloromethane	129	6.87	0.928	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.97	0.941	A	2	A	B
48	T	Chlorobenzene	112	7.43	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.54	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.65	1.033	L	1	A	B
52	T	o-Xylene	-106	8.02	1.083	L	1	A	B
53	T	Styrene	104	8.03	1.084	A	1	A	B
54	T	Isopropylbenzene	105	8.37	1.130	A	1	A	
55	T	Bromoform	173	8.20	1.107	A	2	A	

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.76	0.910	A	1	A	B
59	T	Bromobenzene	156	8.65	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.93	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	L	2	A	B
62	T	1,2,3-Trichloropropane	75	8.69	0.903	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	L	1	A	B
64	T	4-Chlorotoluene	91	8.94	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.24	0.960	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.29	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.60	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.55	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.77	1.120	A	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.205	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.83	1.229	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.07	1.254	Q	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB021423ms13.M Wed Feb 15 11:17:18 2023

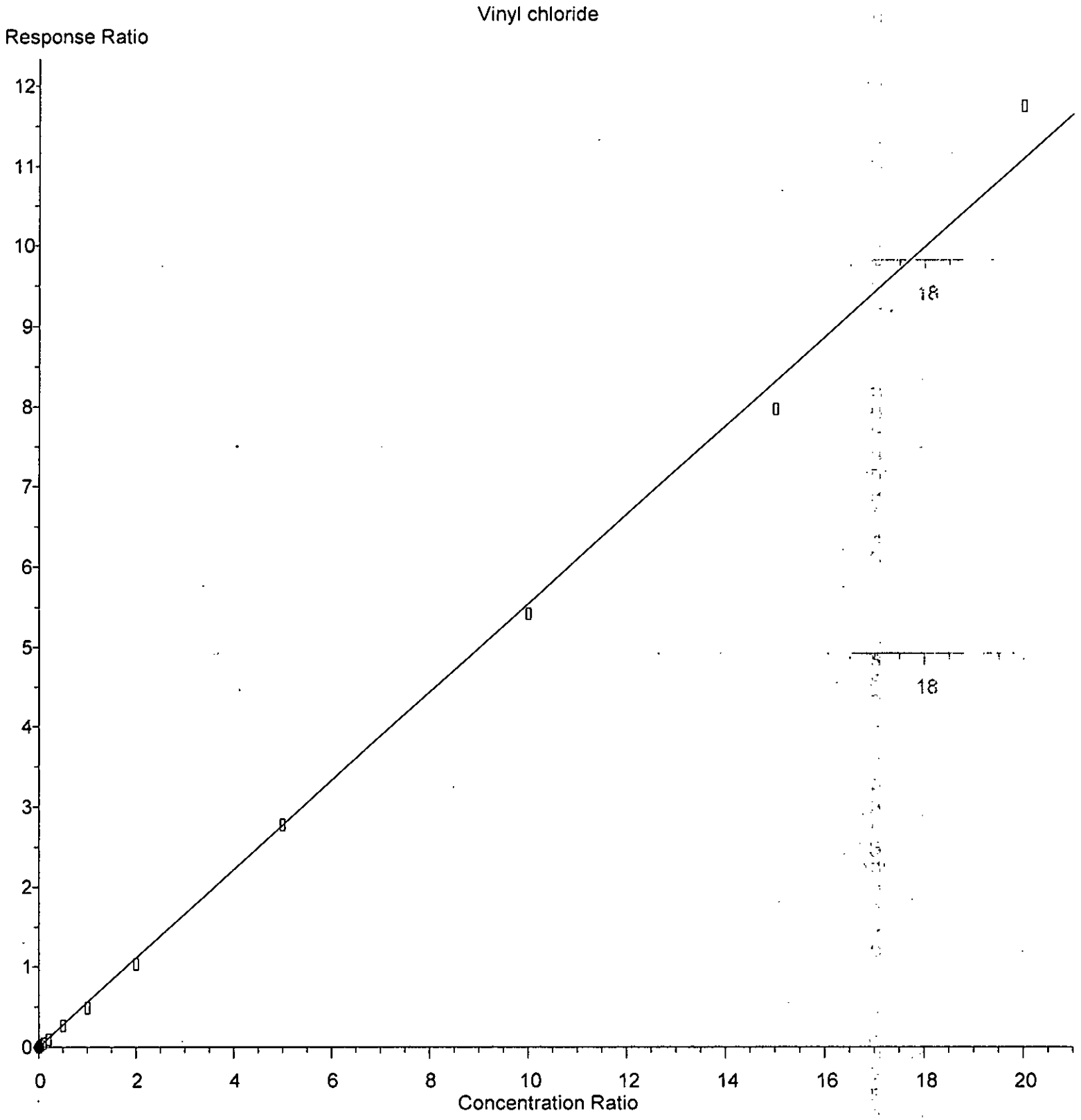
Calibration Status Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB021423ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response Via : Initial Calibration

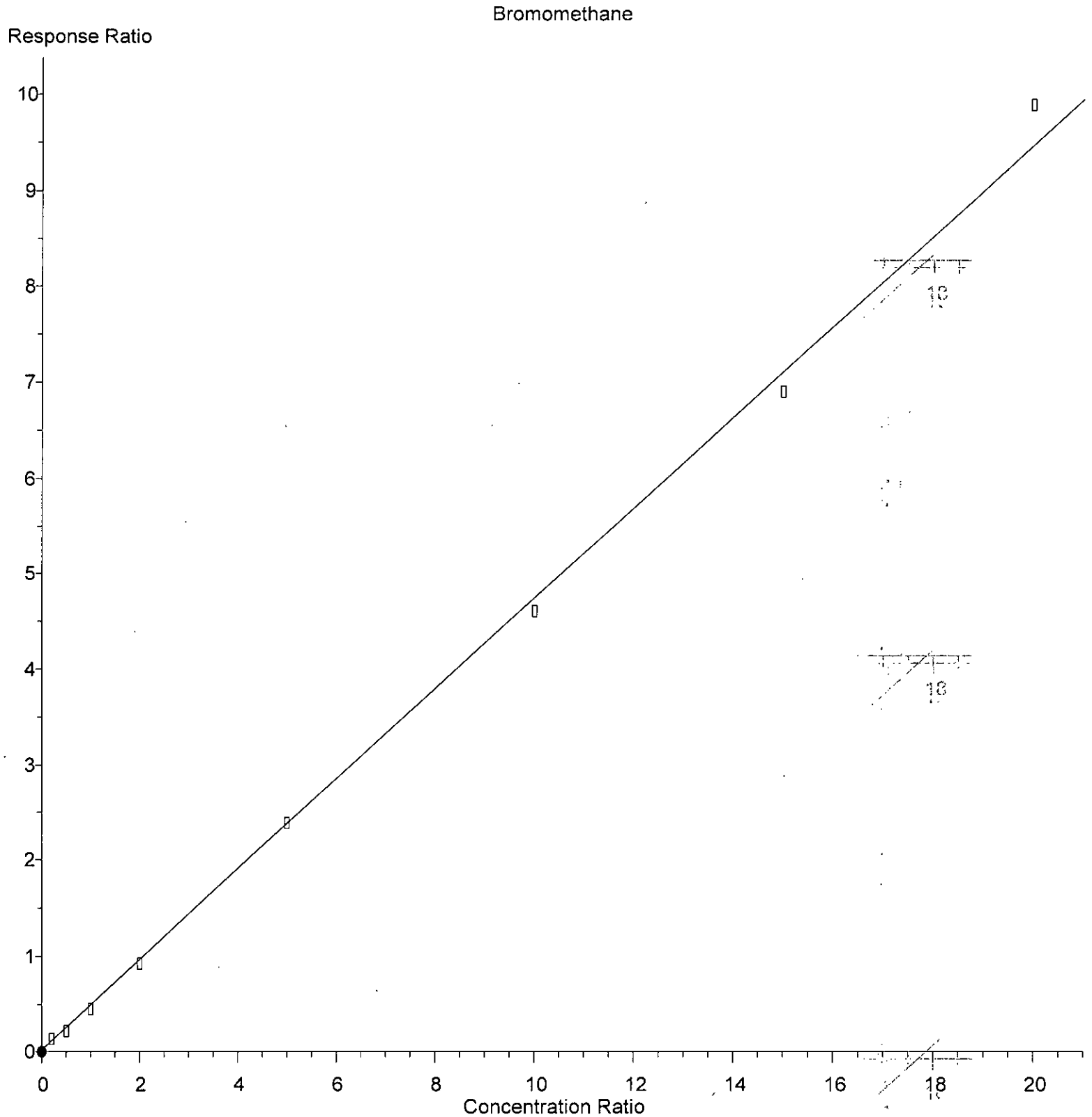
#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021416.D
2	0.04	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021417.D
3	0.1	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021418.D
4	0.2	0	10	U:\GCMS13\GCMS13_Data\02-14-23\021419.D
5	0.5	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021420.D
6	1	1	10	U:\GCMS13\GCMS13_Data\02-14-23\021421.D
7	2	2	10	U:\GCMS13\GCMS13_Data\02-14-23\021422.D
8	5	5	10	U:\GCMS13\GCMS13_Data\02-14-23\021423.D
9	10	10	10	U:\GCMS13\GCMS13_Data\02-14-23\021424.D
10	20	20	10	U:\GCMS13\GCMS13_Data\02-14-23\021425.D
11	50	50	10	U:\GCMS13\GCMS13_Data\02-14-23\021426.D
12	100	100	10	U:\GCMS13\GCMS13_Data\02-14-23\021427.D
13	150	150	10	U:\GCMS13\GCMS13_Data\02-14-23\021428.D
14	200	200	10	U:\GCMS13\GCMS13_Data\02-14-23\021429.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 04:51 pm
2	0.04	Feb 15 09:25 2023	Feb 15 09:26 2023	14 Feb 2023 05:14 pm
3	0.1	Feb 15 09:25 2023	Feb 15 09:27 2023	14 Feb 2023 05:37 pm
4	0.2	Feb 15 09:25 2023	Feb 15 09:28 2023	14 Feb 2023 06:01 pm
5	0.5	Feb 15 09:25 2023	Feb 15 09:29 2023	14 Feb 2023 06:24 pm
6	1	Feb 15 09:52 2023	Feb 15 09:59 2023	14 Feb 2023 06:47 pm
7	2	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:10 pm
8	5	Feb 15 09:25 2023	Feb 15 09:31 2023	14 Feb 2023 07:33 pm
9	10	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 07:56 pm
10	20	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:20 pm
11	50	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 08:43 pm
12	100	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:06 pm
13	150	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:29 pm
14	200	Feb 15 09:25 2023	Feb 15 09:23 2023	14 Feb 2023 09:53 pm

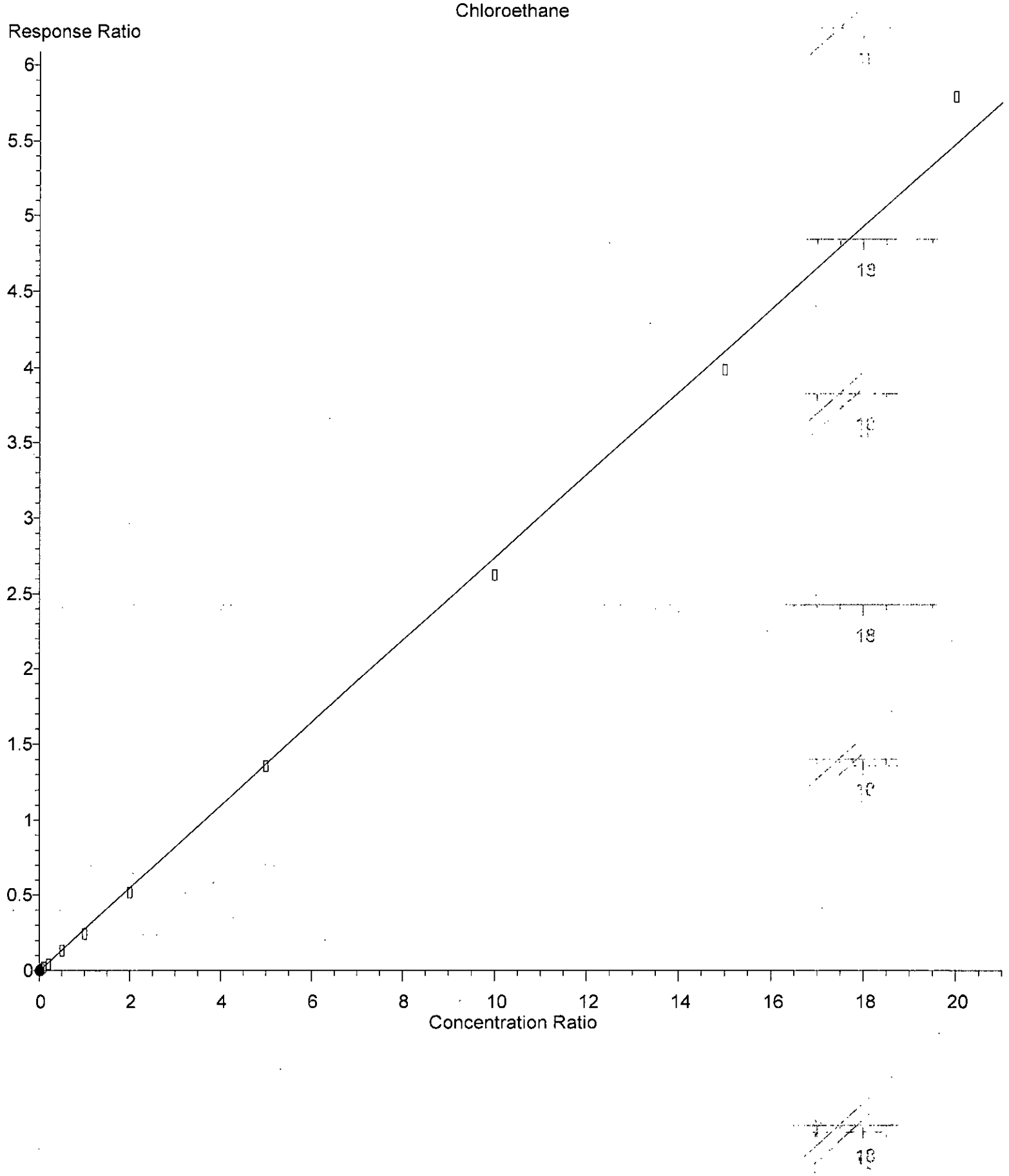
VB021423ms13.M Wed Feb 15 11:17:25 2023



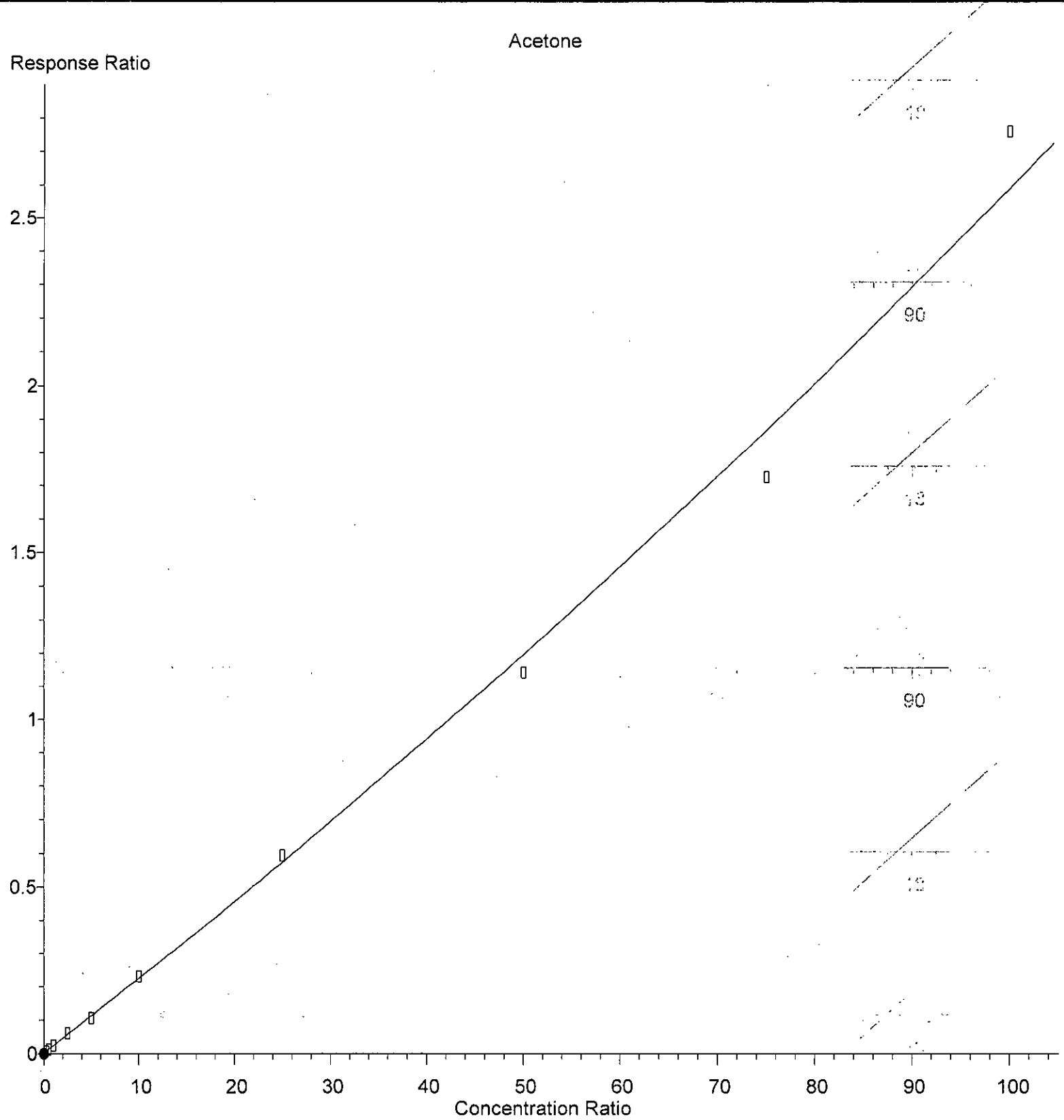
Response = 5.549e-001 * Amt - 3.415e-004
Coef of Det (r^2) = 0.997527 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



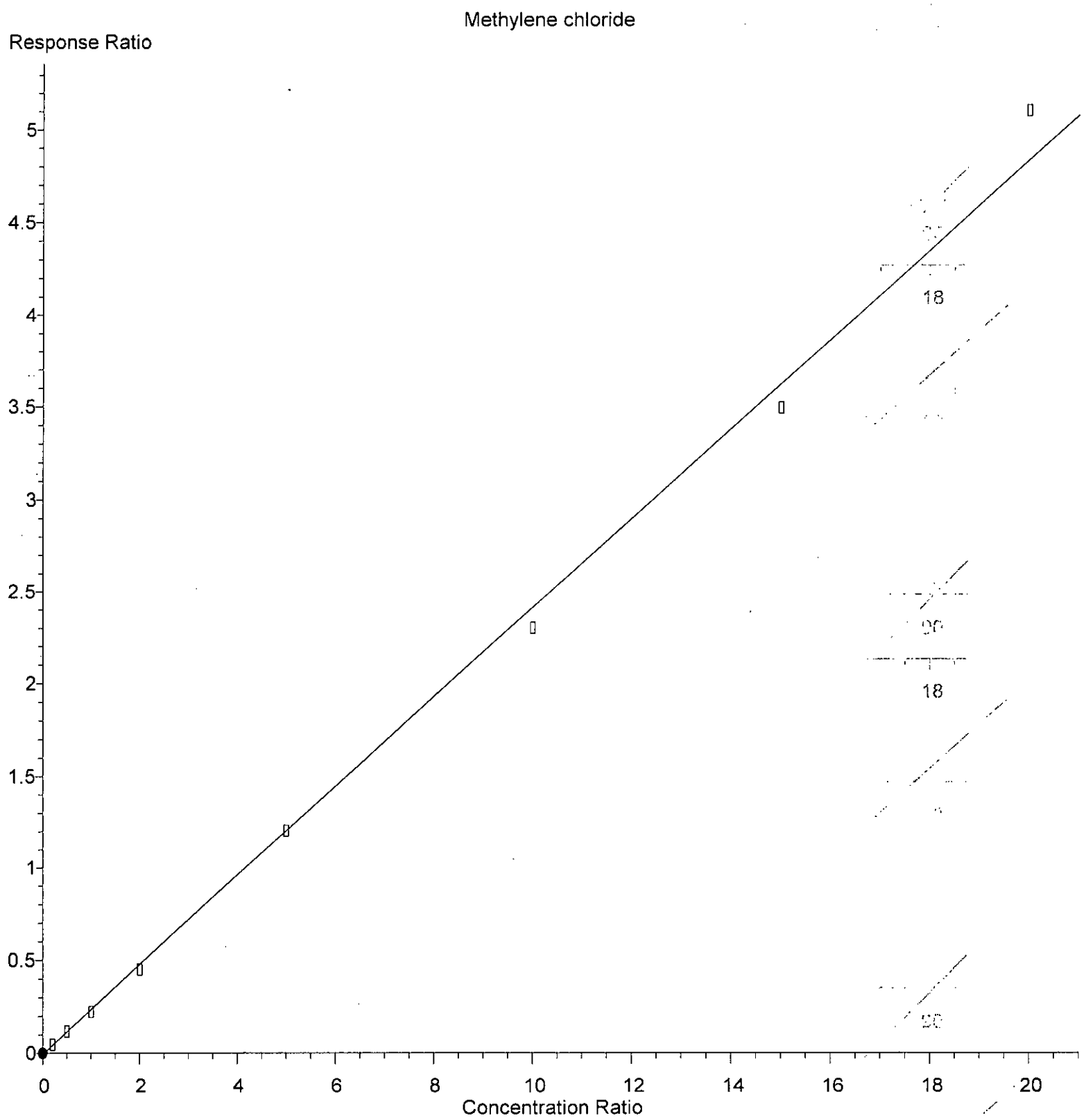
Response = 4.727e-001 * Amt + 1.654e-002
Coef of Det (r^2) = 0.997996 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



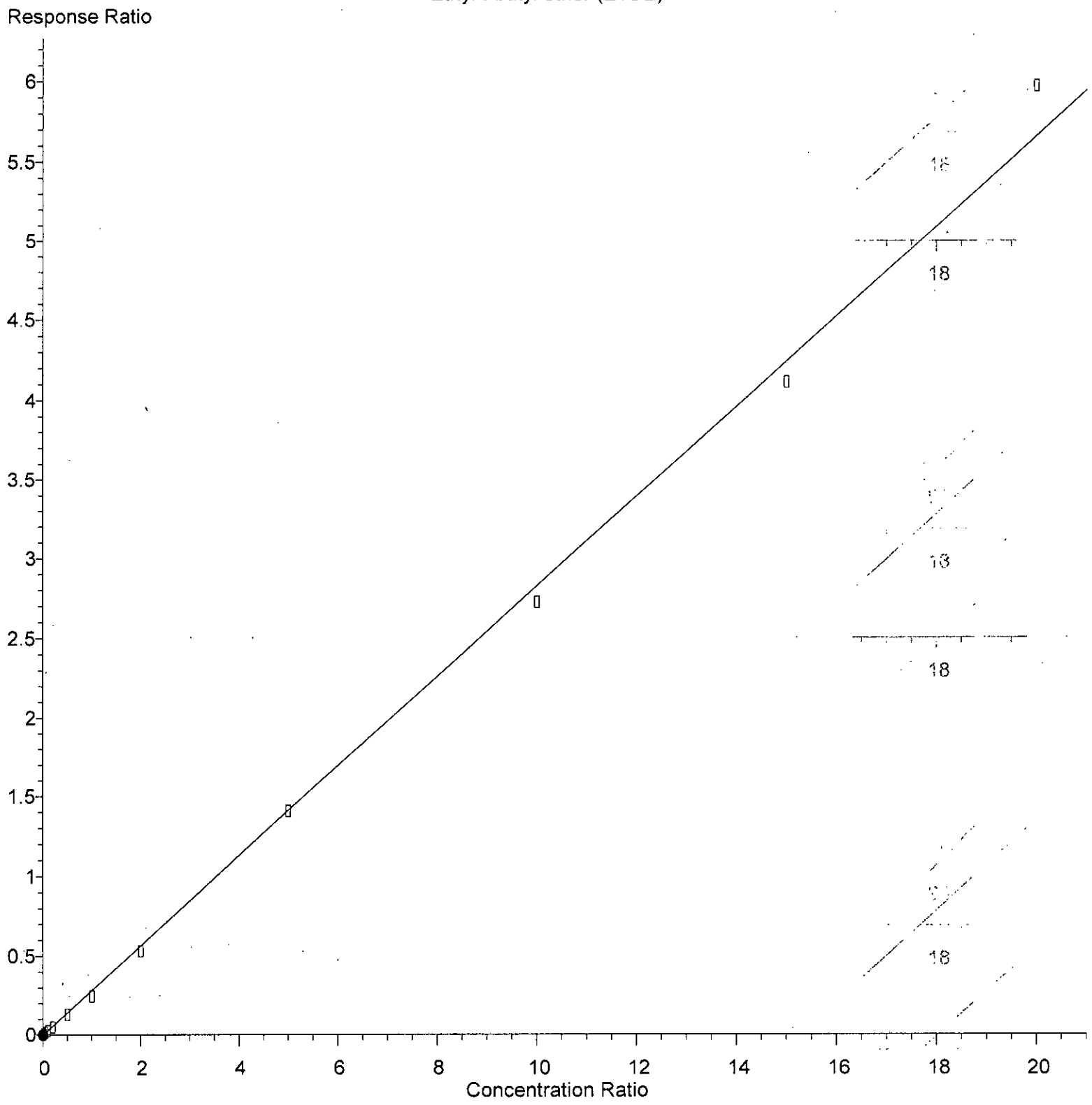
Response = 2.743e-001 * Amt - 3.364e-003
Coef of Det (r^2) = 0.997674 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



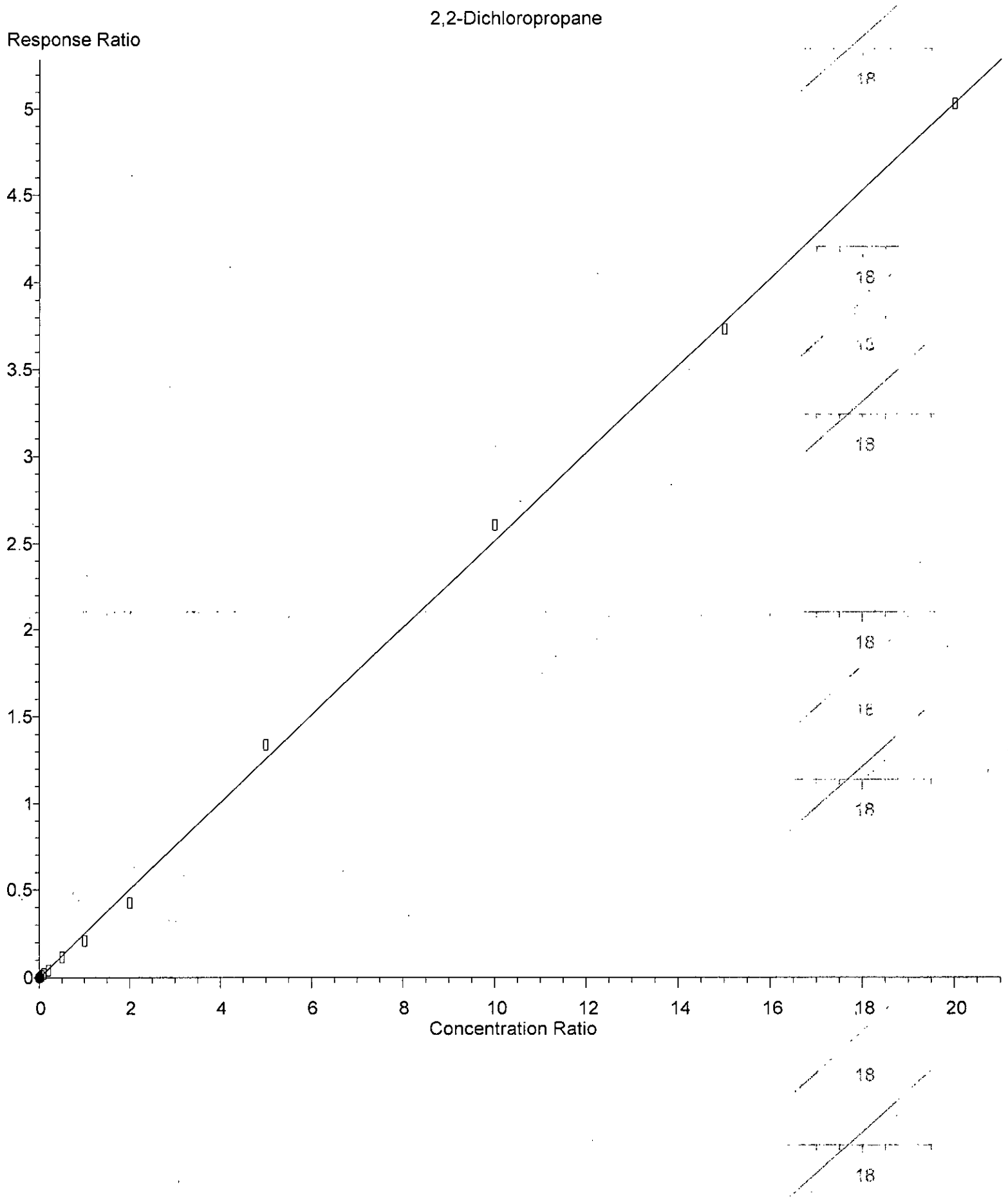
R = 4.023e-005 A*A + 2.185e-002 A + 2.380e-003
Coef of Det (r^2) = 0.996662 Curve Fit: Quadratic w(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



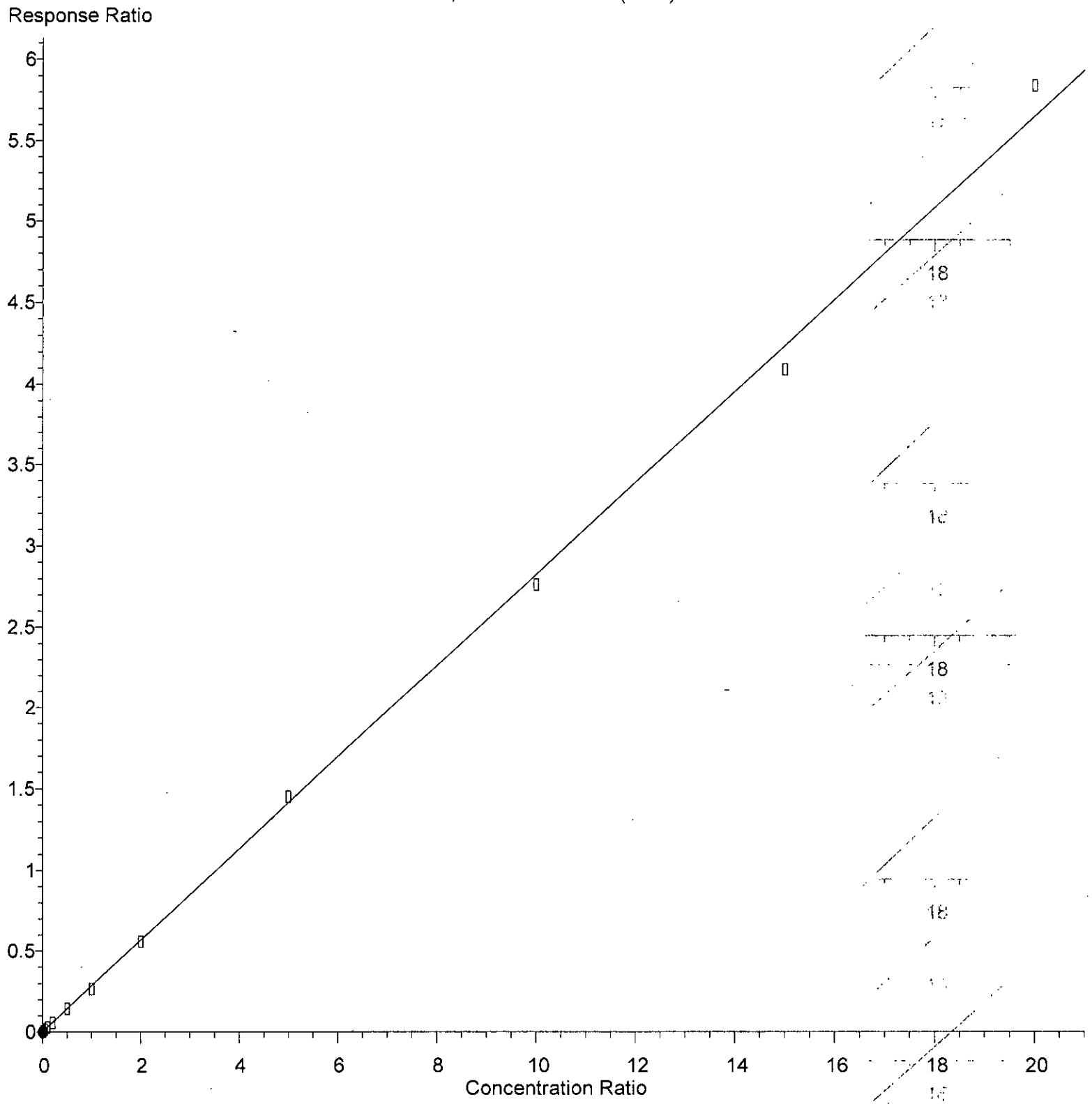
Response = 2.421e-001 * Amt - 6.488e-003
Coef of Det (r^2) = 0.997591 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



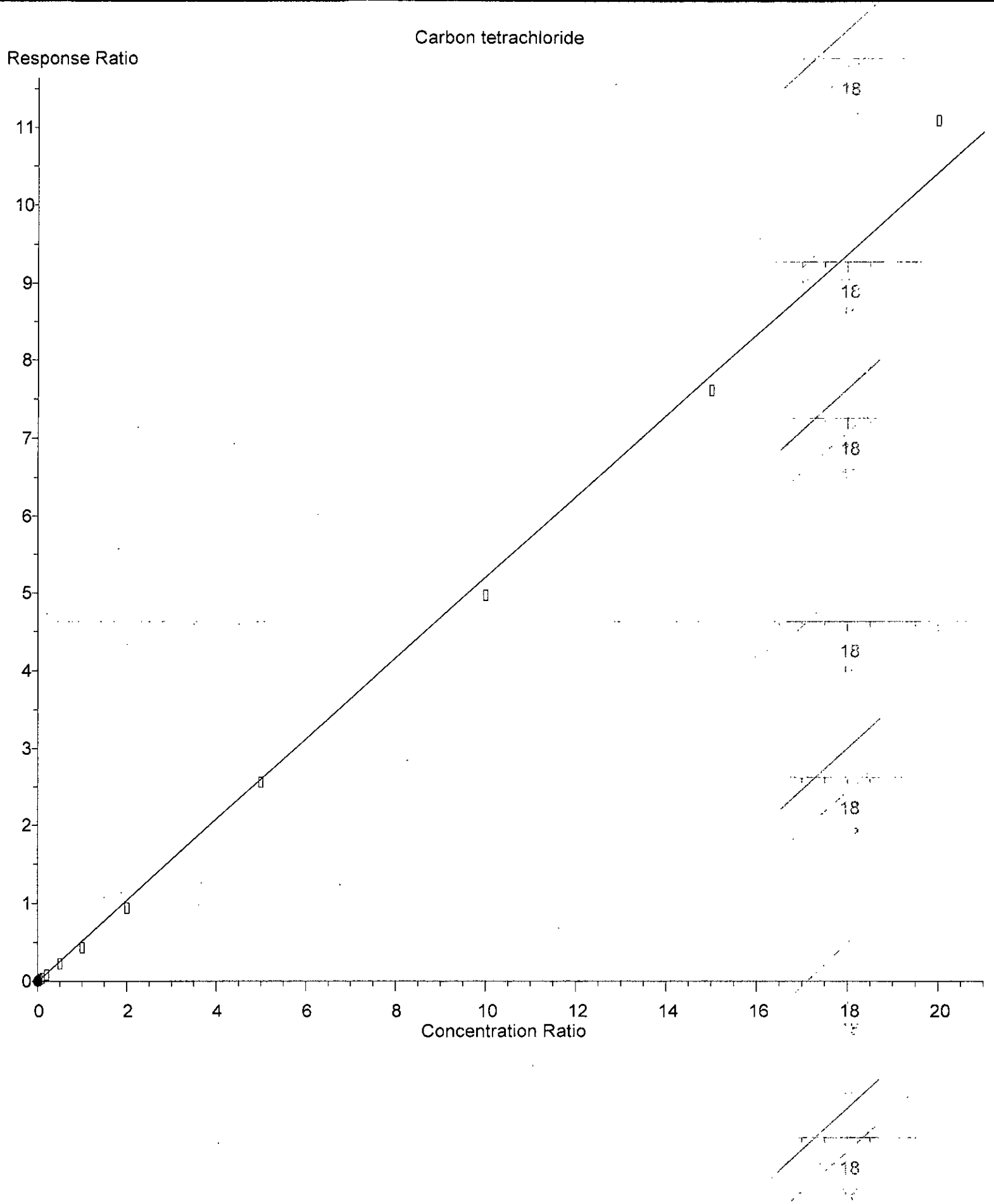
Response = 2.831e-001 * Amt - 3.106e-003
Coef of Det (r^2) = 0.997762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



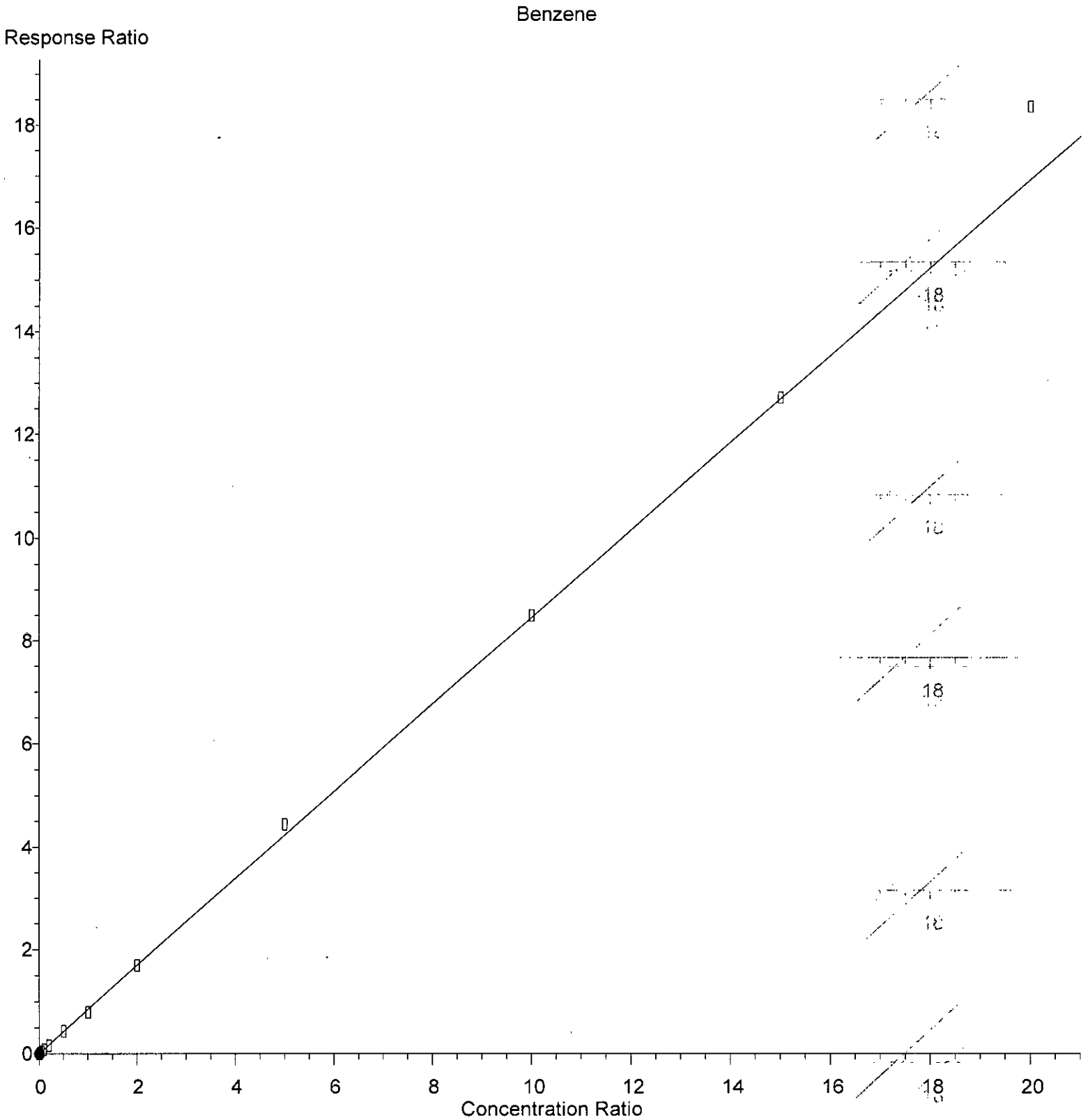
Response = 2.518e-001 * Amt - 2.120e-003
Coef of Det (r^2) = 0.997738 Curve Fit: w/r(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



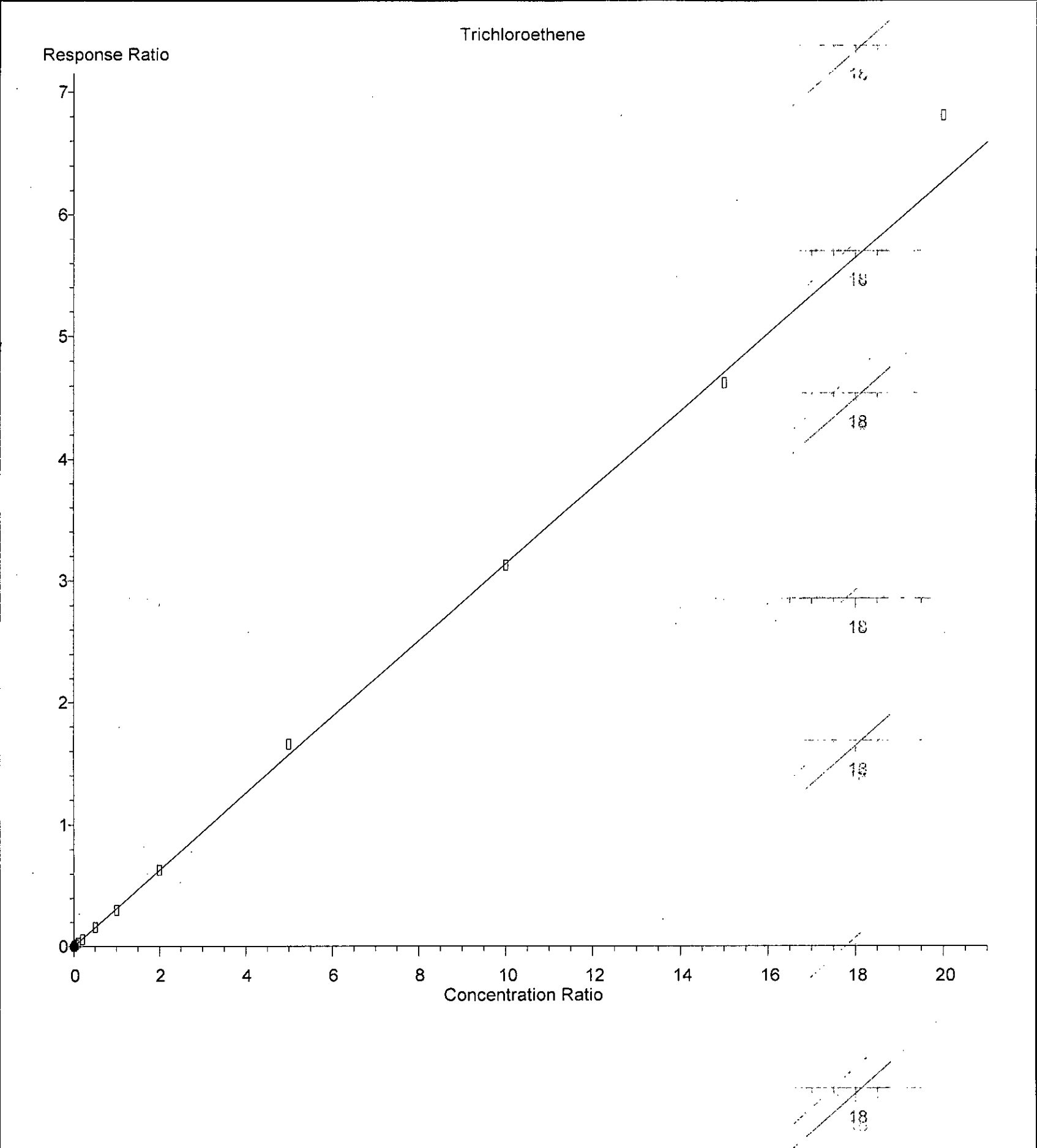
Response = 2.824e-001 * Amt + 5.624e-004
Coef of Det (r^2) = 0.998999 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



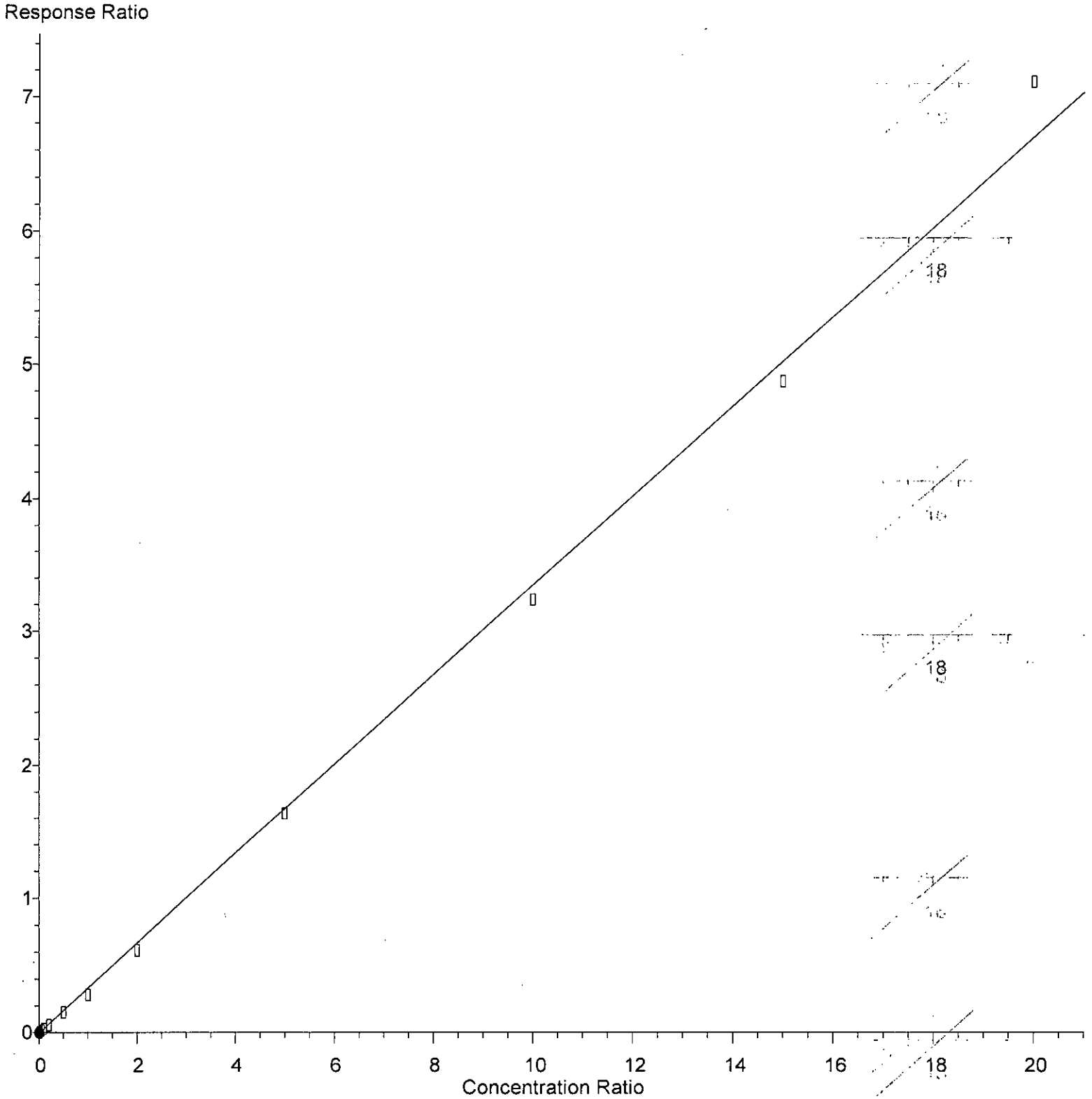
Response = 5.211e-001 * Amt - 7.233e-003
Coef of Det (r^2) = 0.996762 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



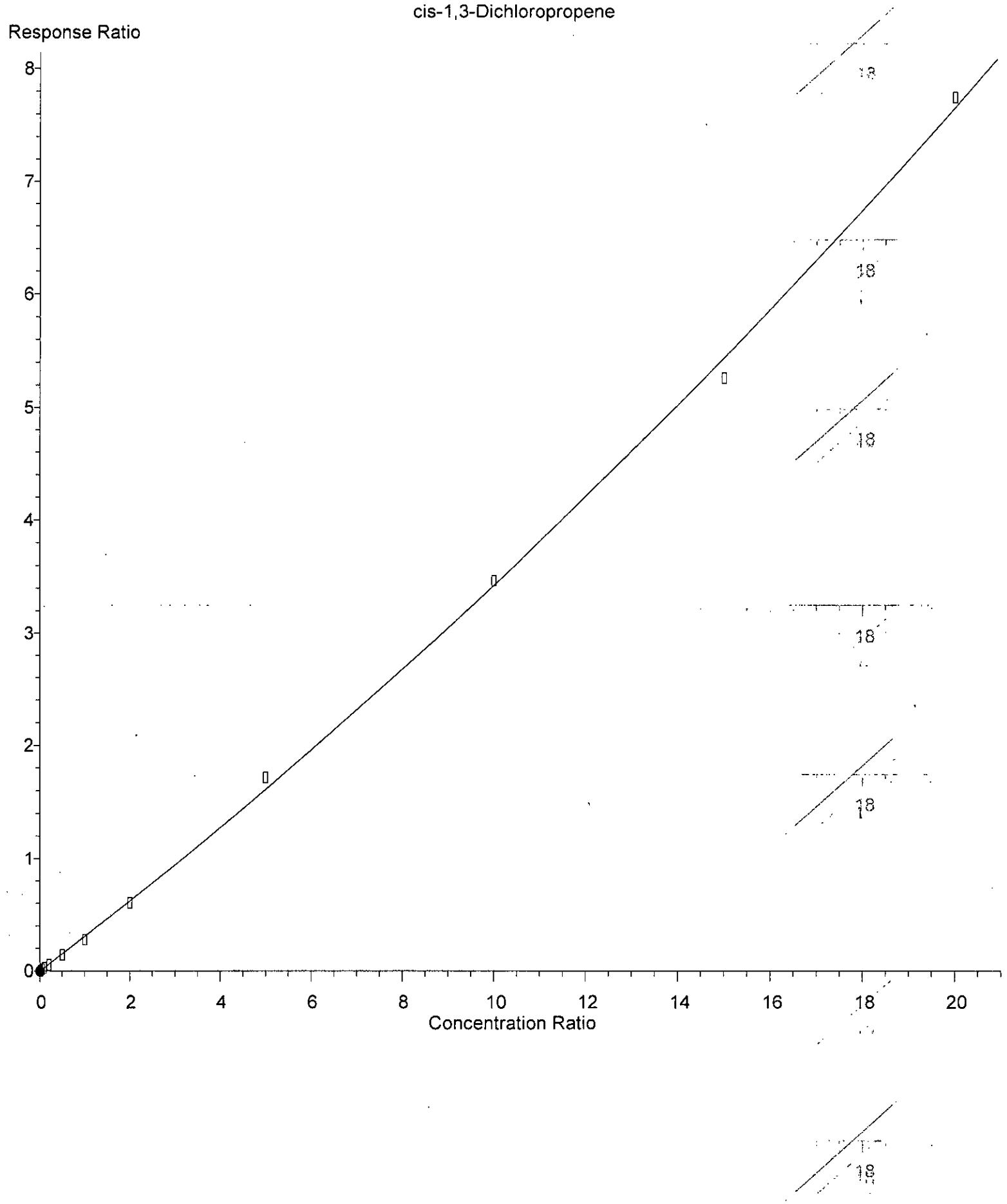
Response = 8.464e-001 * Amt + 4.344e-004
Coef of Det (r^2) = 0.997988 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



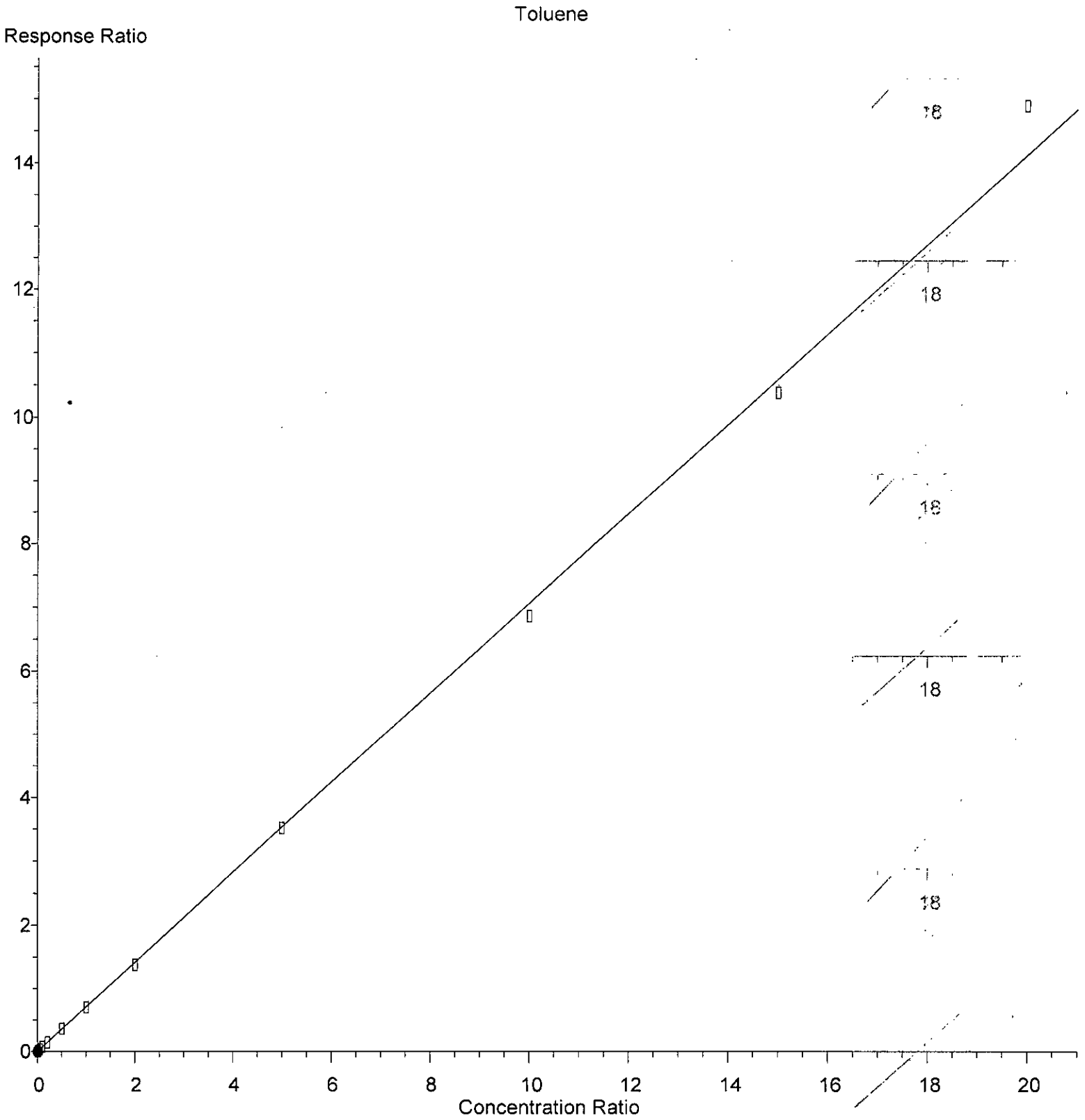
Response = 3.136e-001 * Amt + 3.707e-004
Coef of Det (r^2) = 0.997175 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



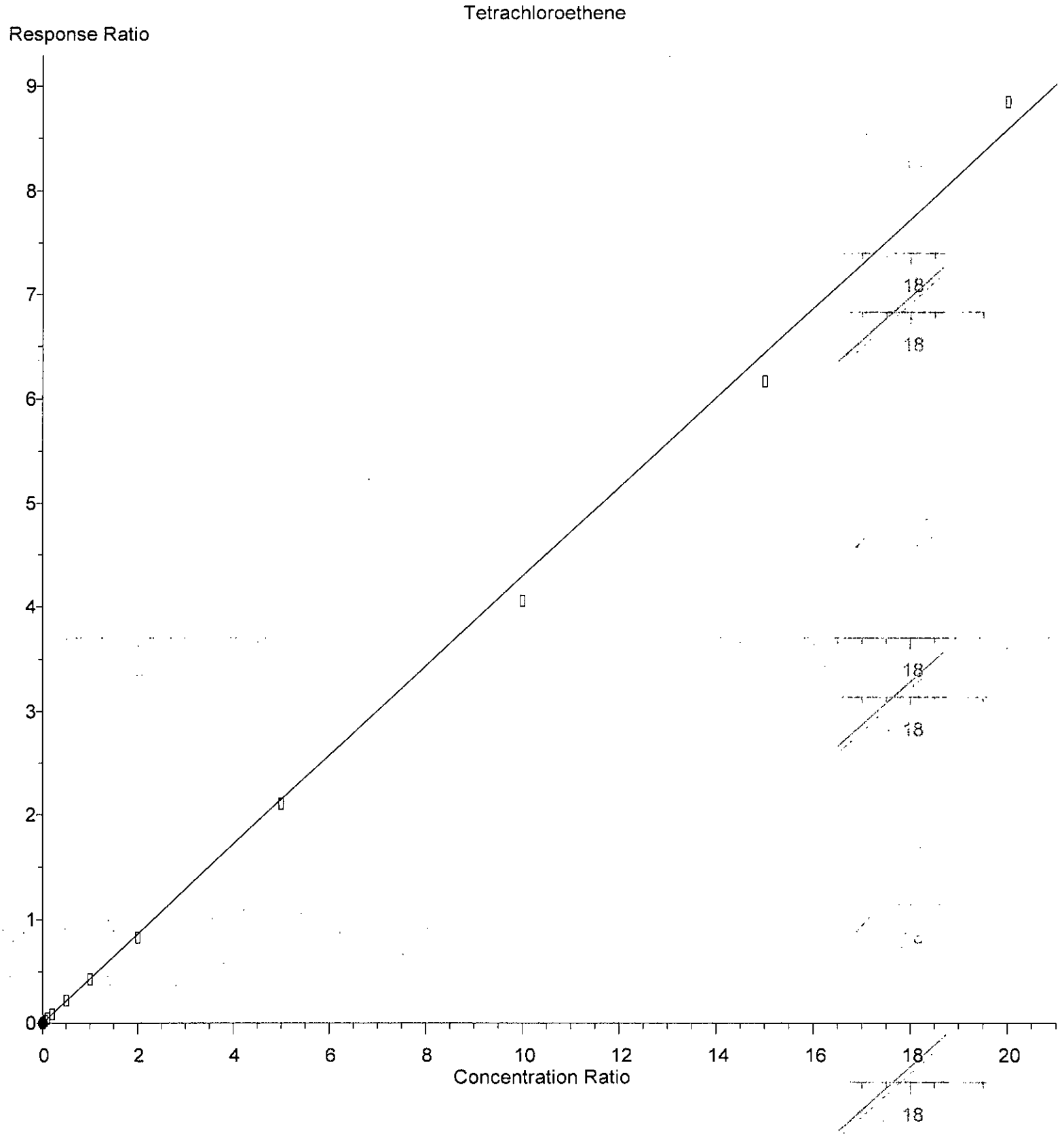
Response = 3.351e-001 * Amt - 2.251e-003
Coef of Det (r^2) = 0.997228 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



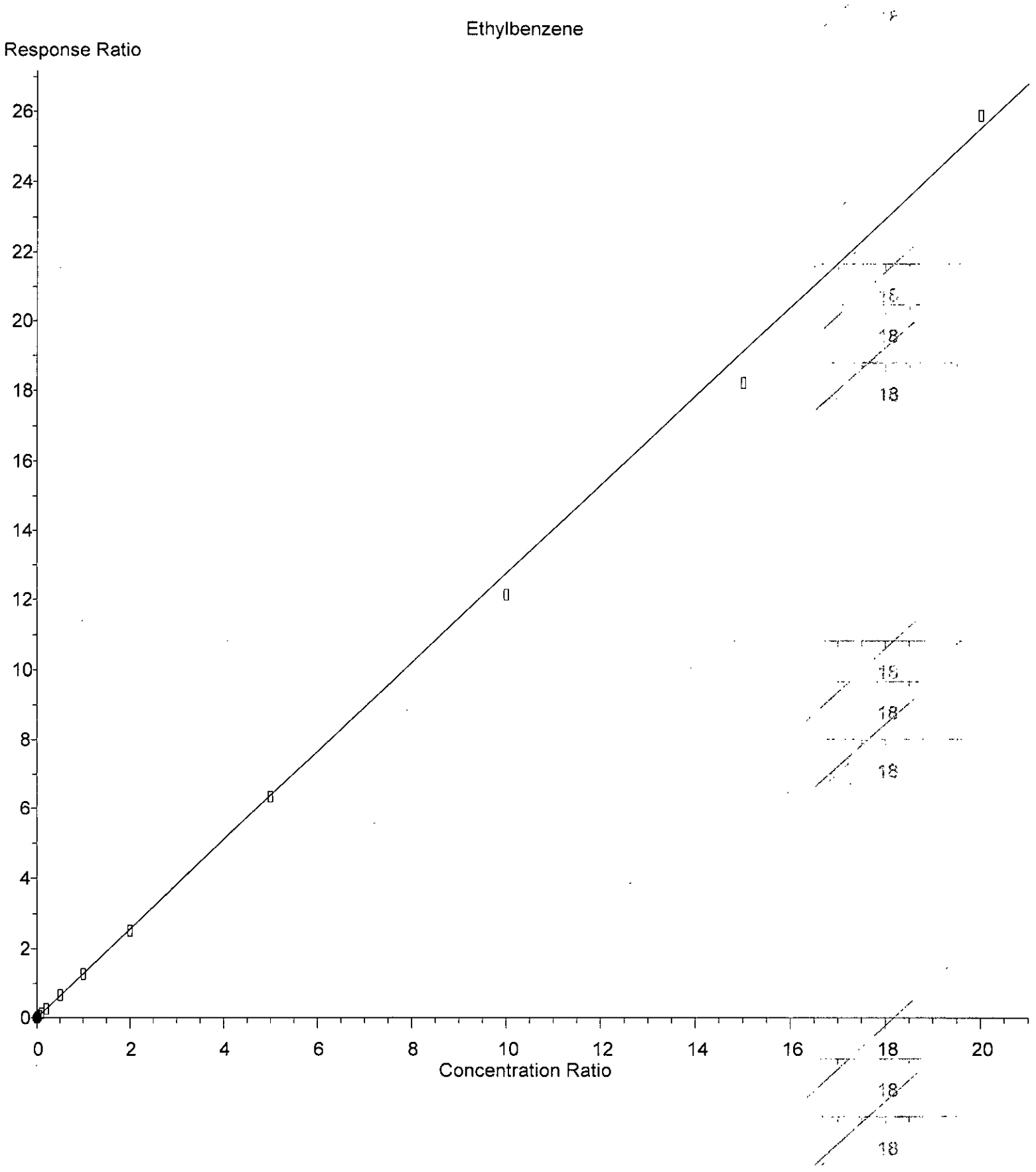
R = 4.031e-003 A*A + 3.023e-001 A - 7.106e-004
Coef of Det (r^2) = 0.999062 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



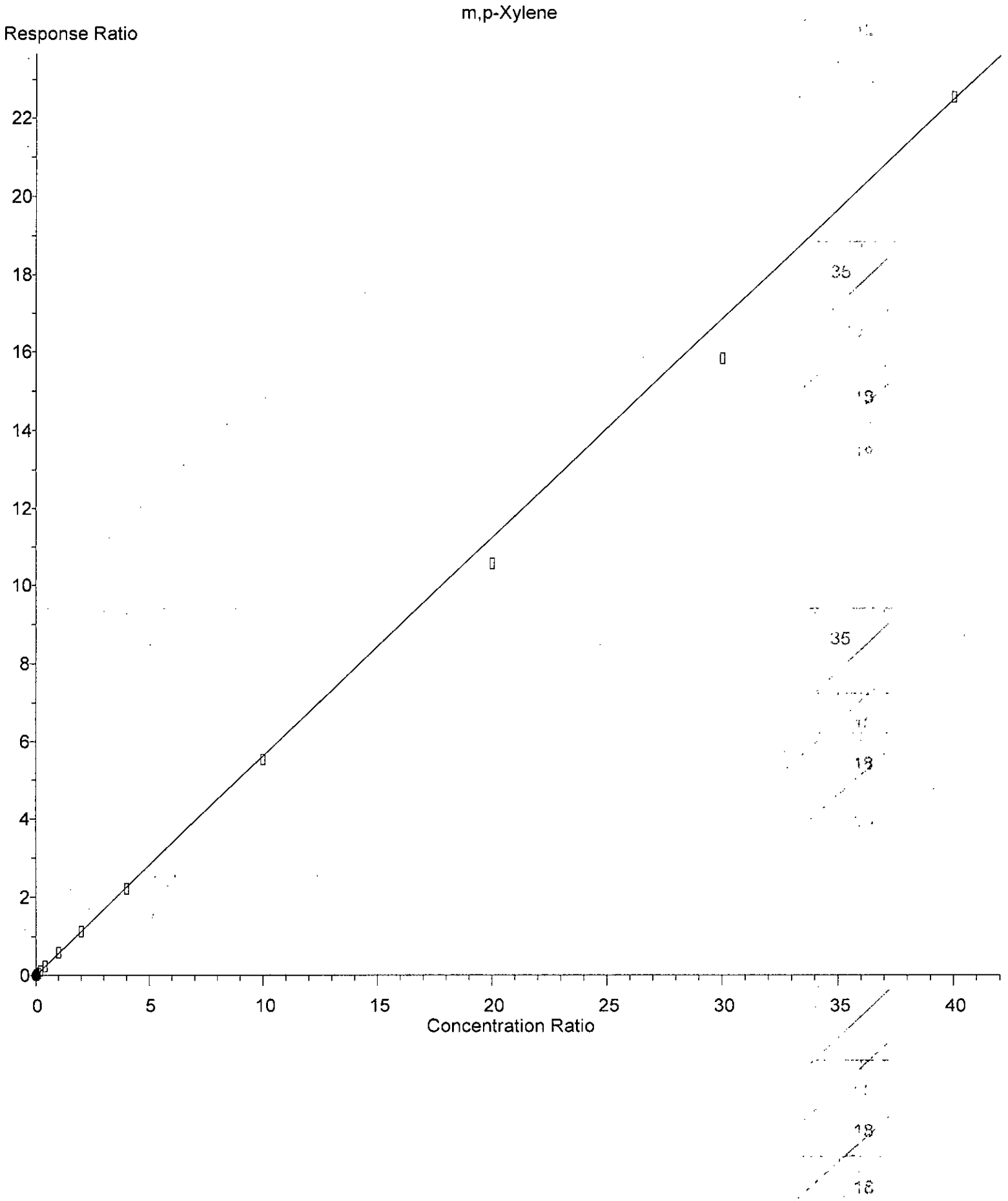
Response = 7.063e-001 * Amt + 8.577e-004
Coef of Det (r^2) = 0.998876 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



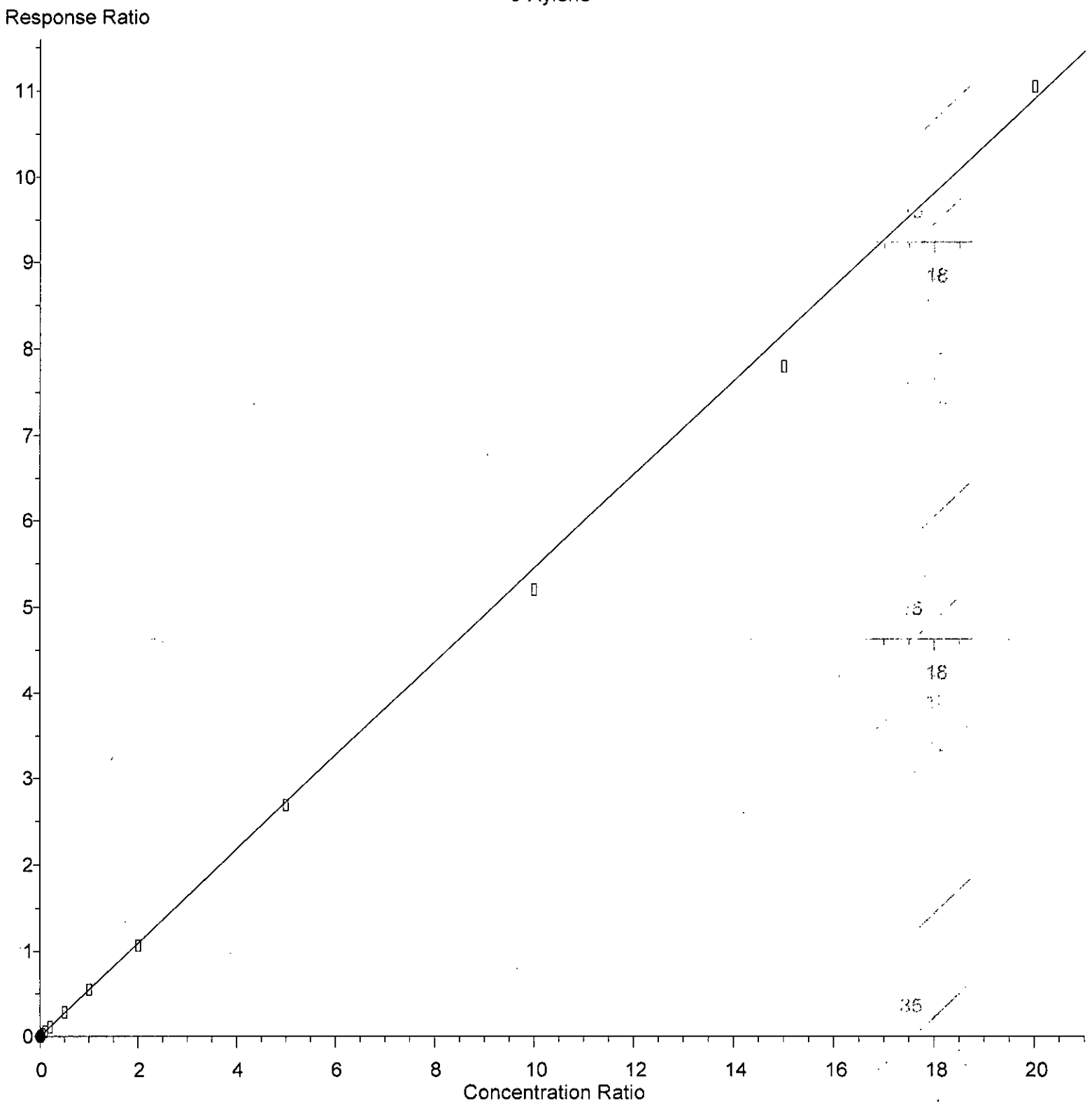
Response = 4.296e-001 * Amt + 3.371e-004
Coef of Det (r^2) = 0.998058 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



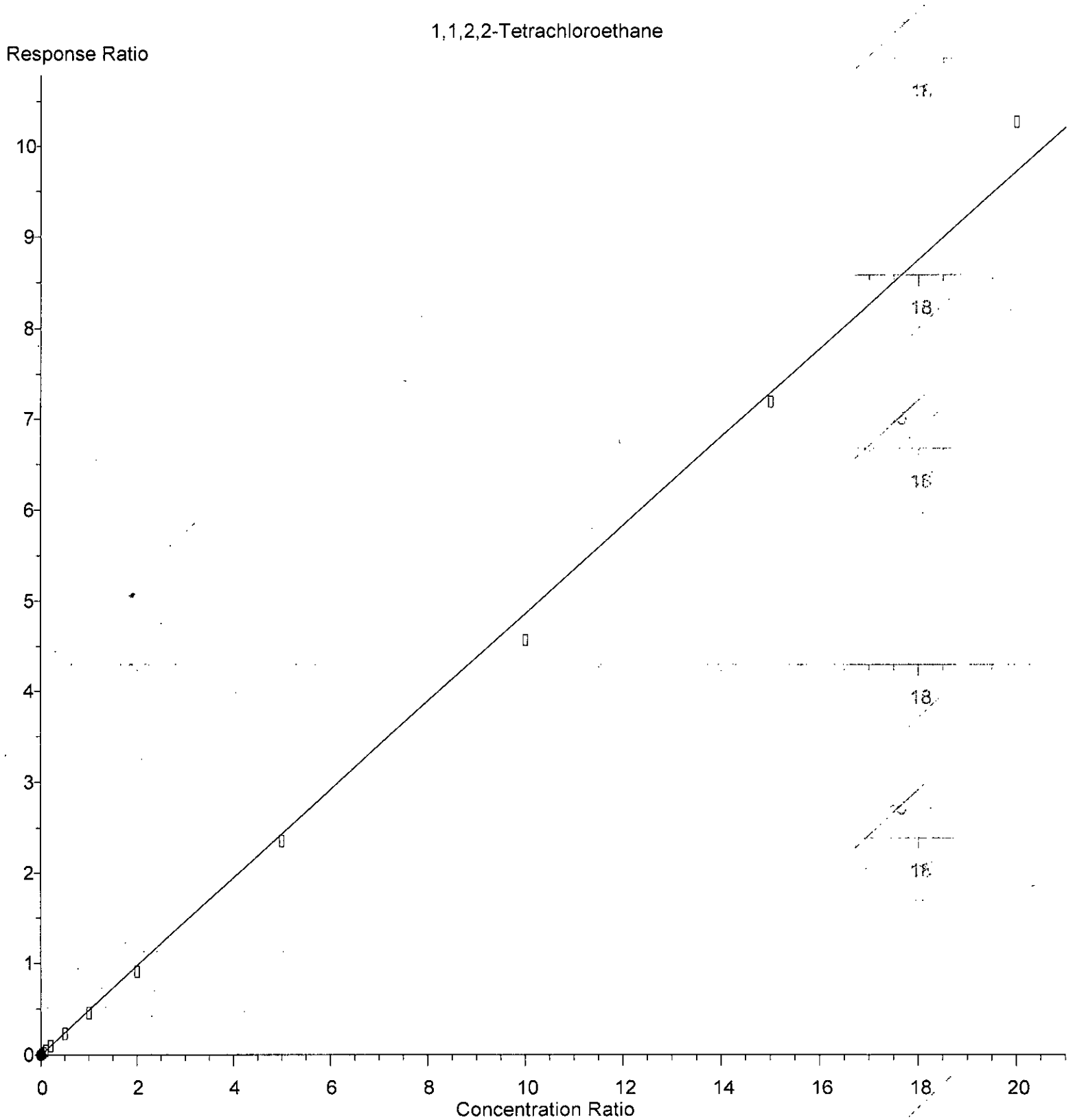
Response = 1.276e+000 * Amt + 8.339e-004
Coef of Det (r^2) = 0.998331 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



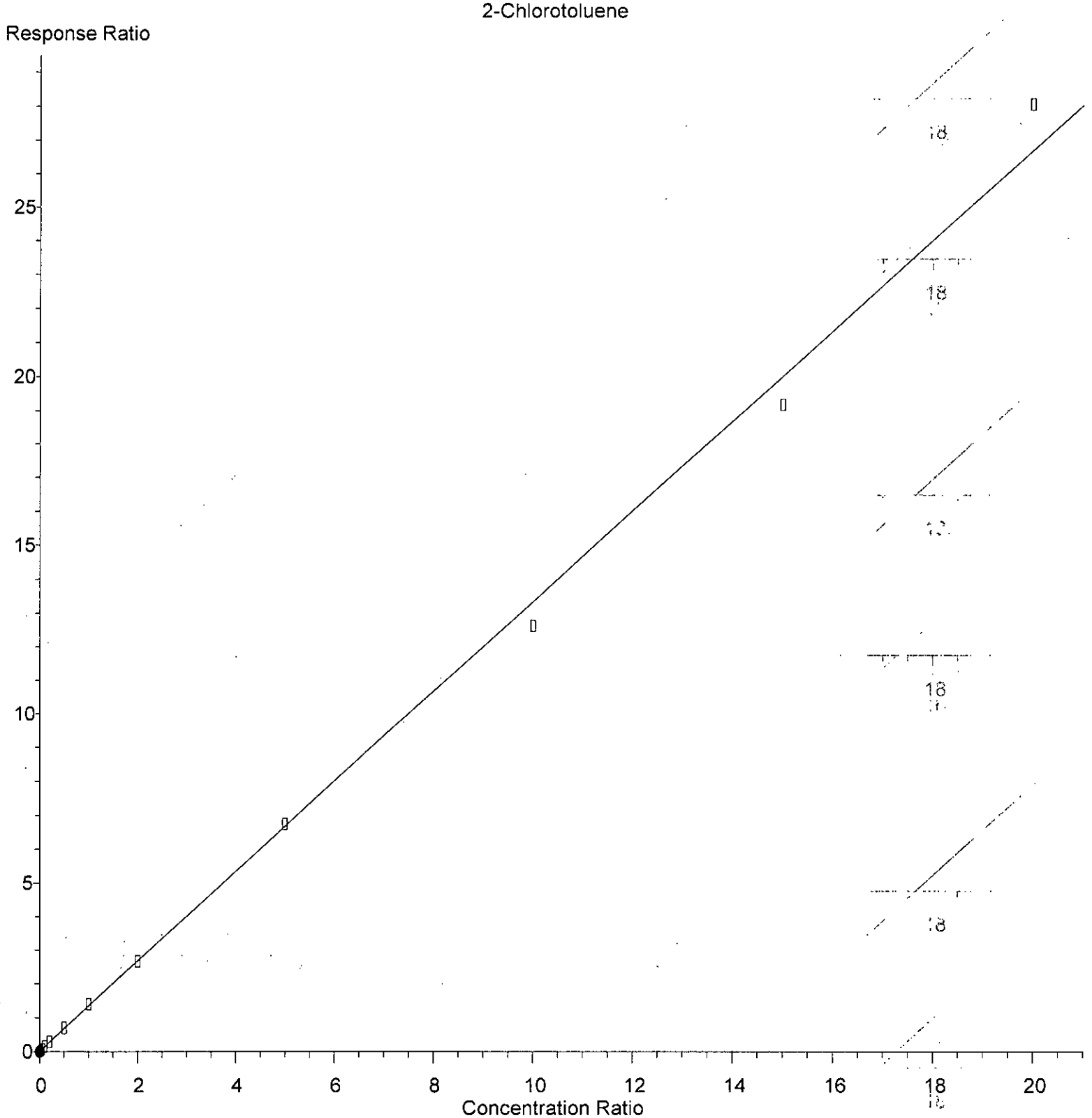
Response = 5.621e-001 * Amt + 8.332e-004
Coef of Det (r^2) = 0.998464 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



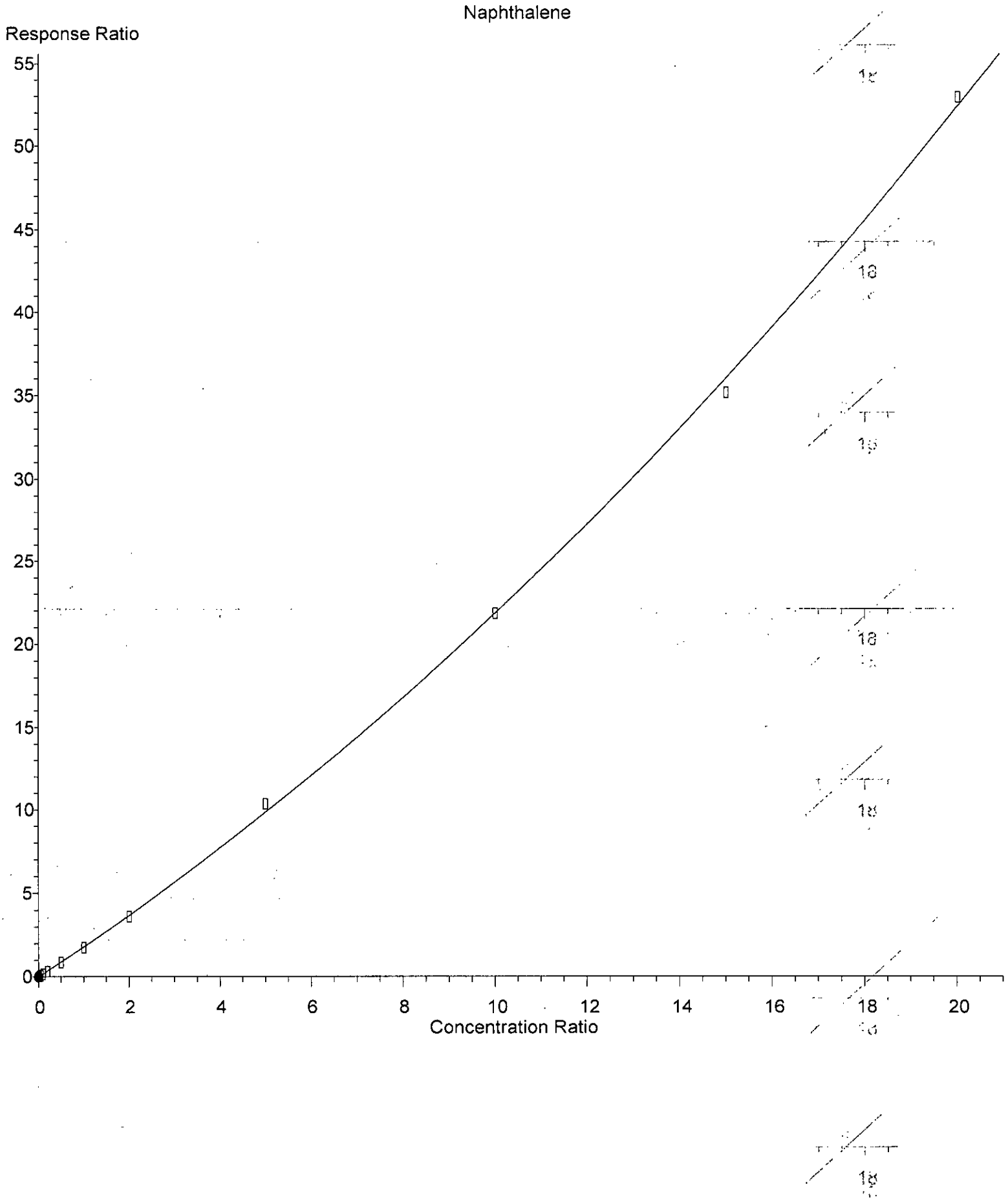
Response = 5.454e-001 * Amt + 3.132e-004
Coef of Det (r^2) = 0.998521 Curve Fit: w/r(1/a^2)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



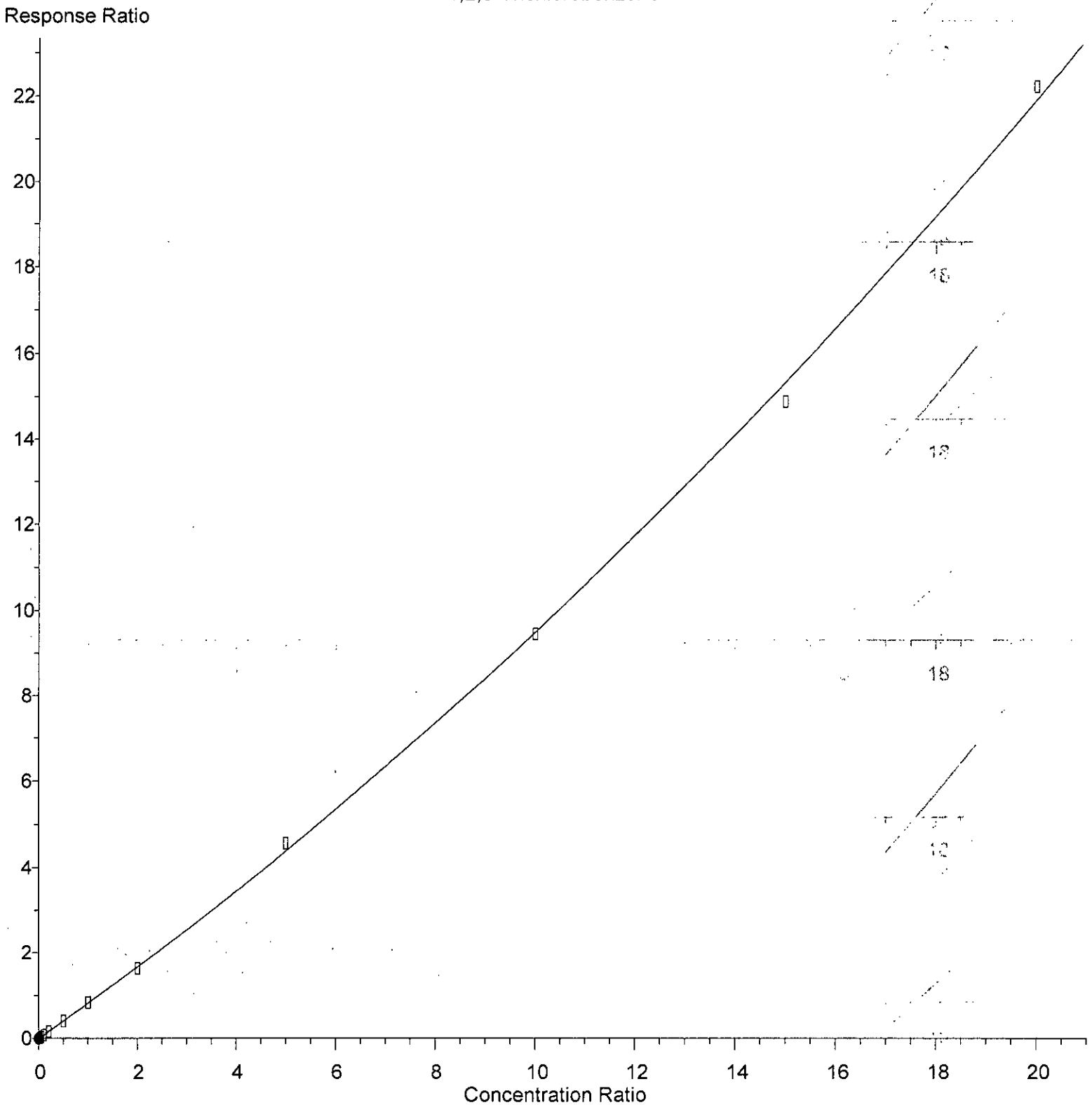
Response = 4.862e-001 * Amt - 1.651e-003
Coef of Det (r^2) = 0.997700 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



Response = 1.335e+000 * Amt + 7.919e-003
Coef of Det (r^2) = 0.997850 Curve Fit: wlr(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023



R = 4.324e-002 A*A + 1.754e+000 A - 1.767e-003
Coef of Det (r^2) = 0.999571 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

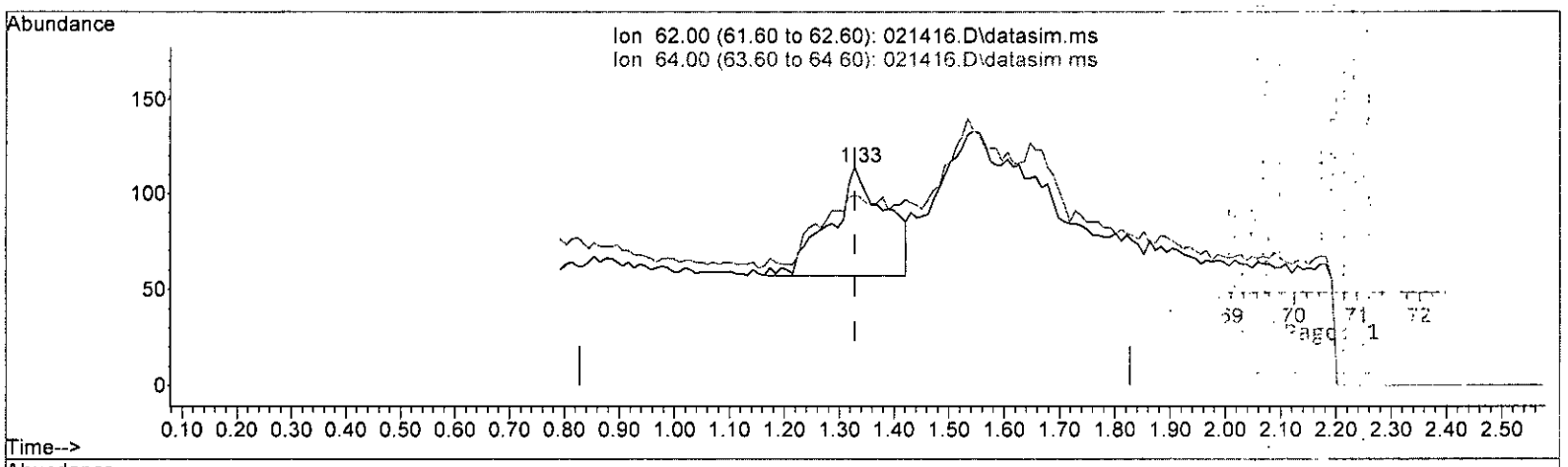


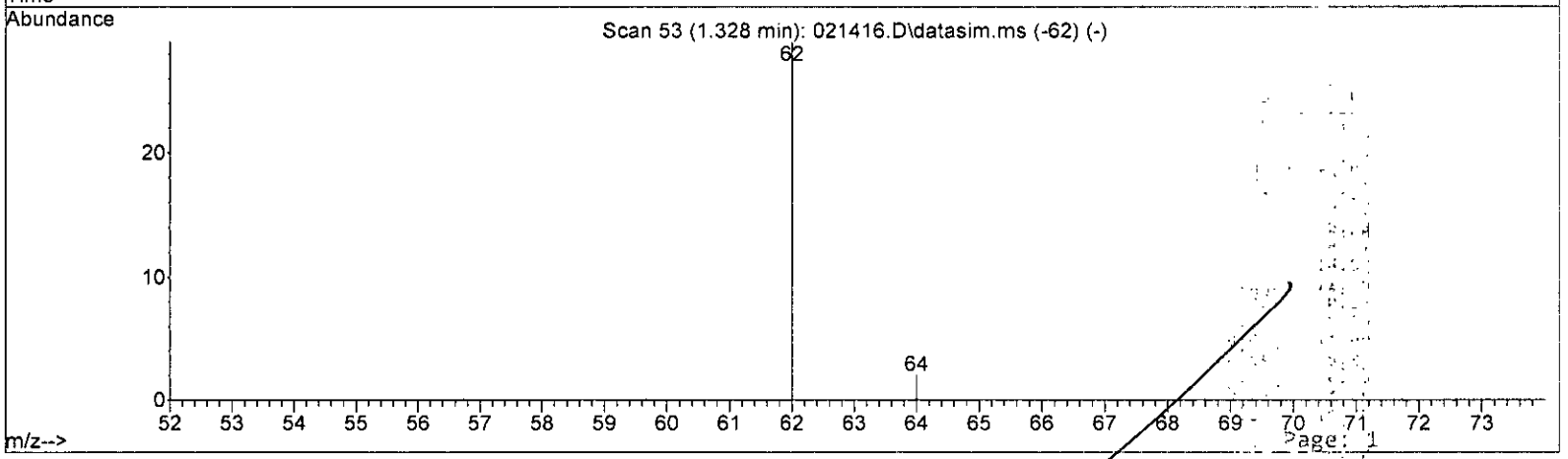
R = 1.463e-002 A*A + 8.032e-001 A - 1.770e-003
Coef of Det (r^2) = 0.999526 Curve Fit: Quadratic w(1/a)
Method Name: Y:\Methods\Inst13\VB021423ms13.M
Calibration Table Last Updated: Wed Feb 15 10:42:07 2023

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.117 ppb
response 399

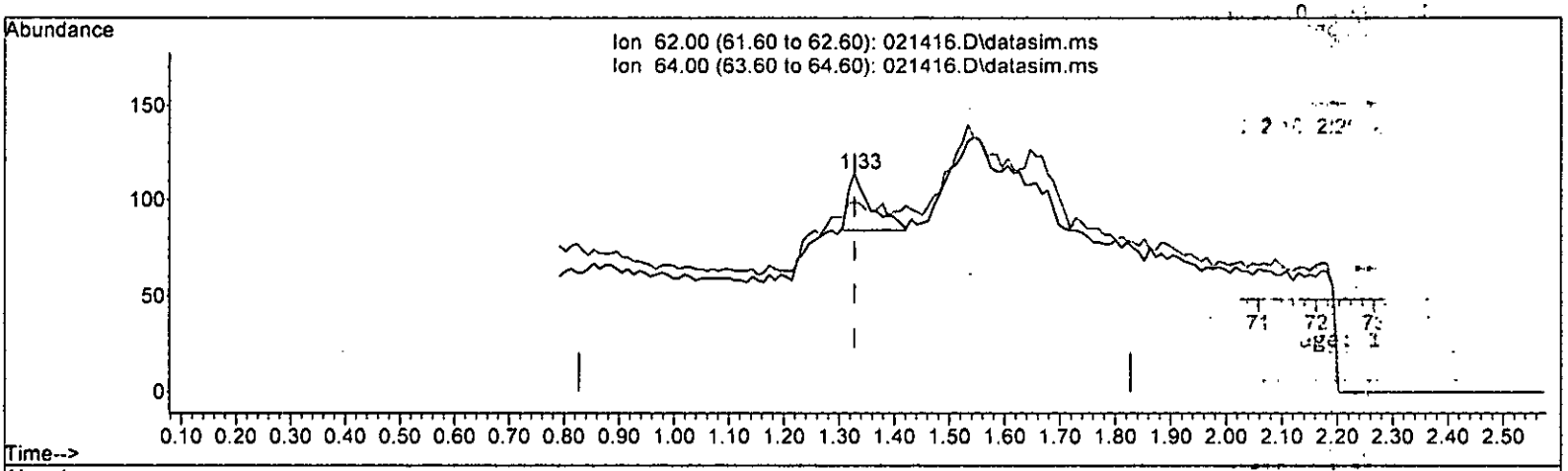
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	64.91#
0.00	0.00	0.00
0.00	0.00	0.00

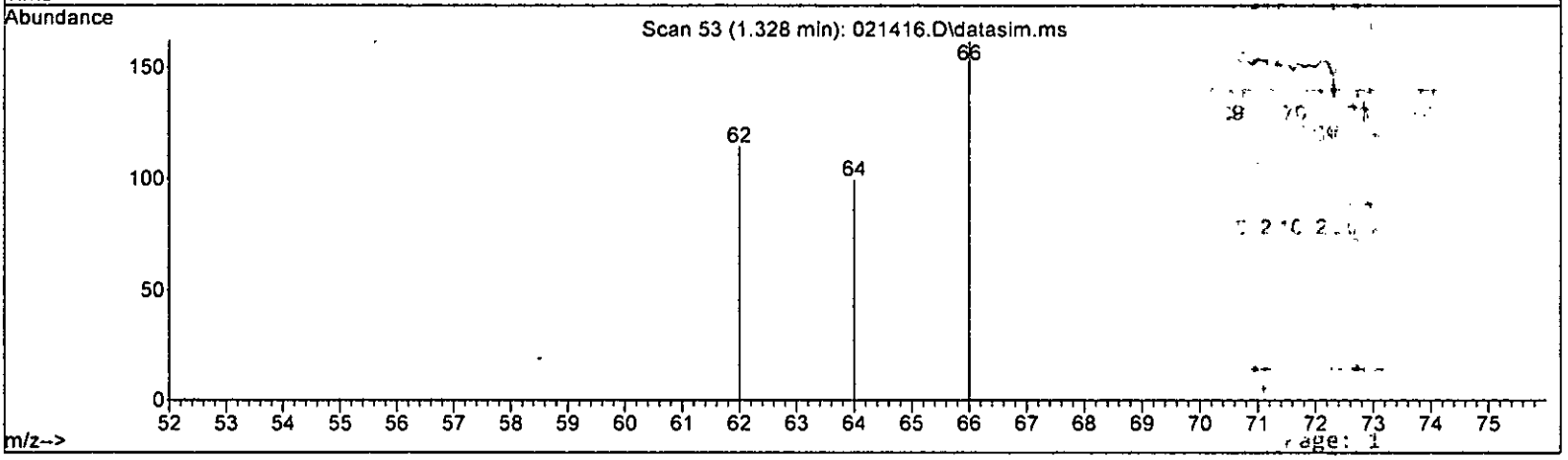
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(6) Vinyl chloride (TMP)

1.328min (-0.000) 0.030 ppb m

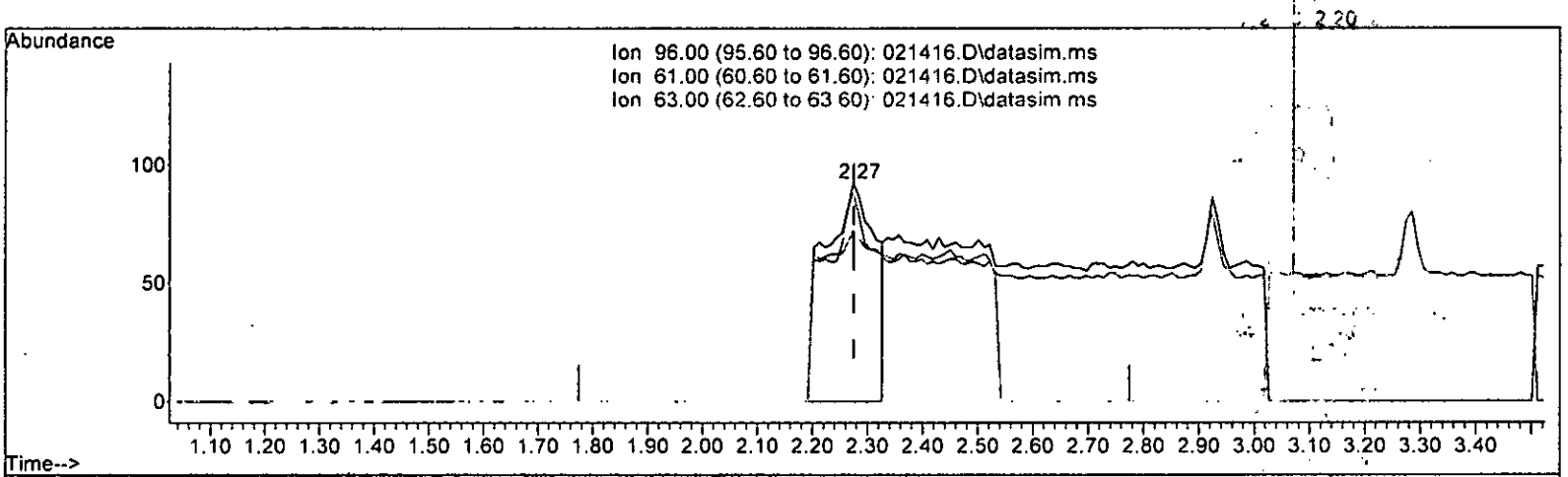
response 84

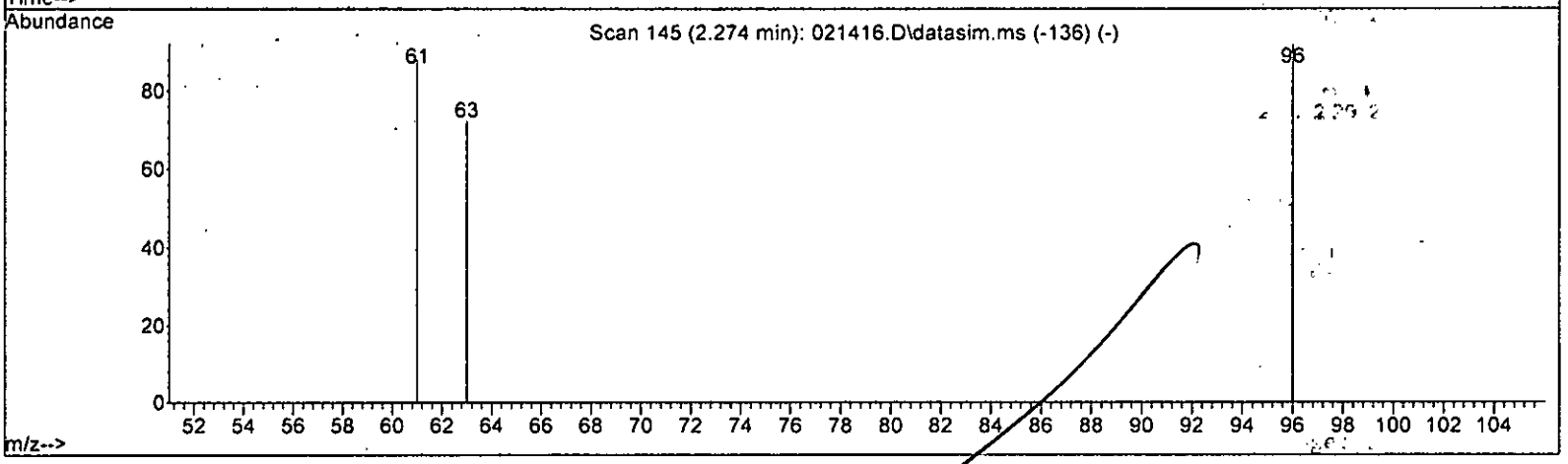
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	86.84#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

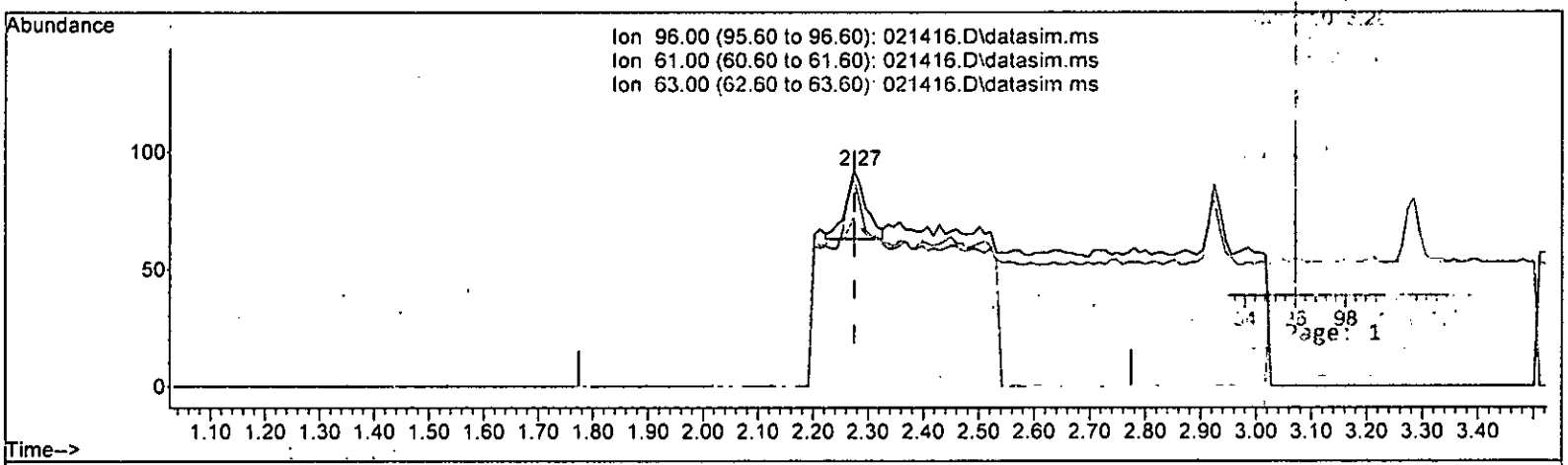
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.206 ppb
response 585

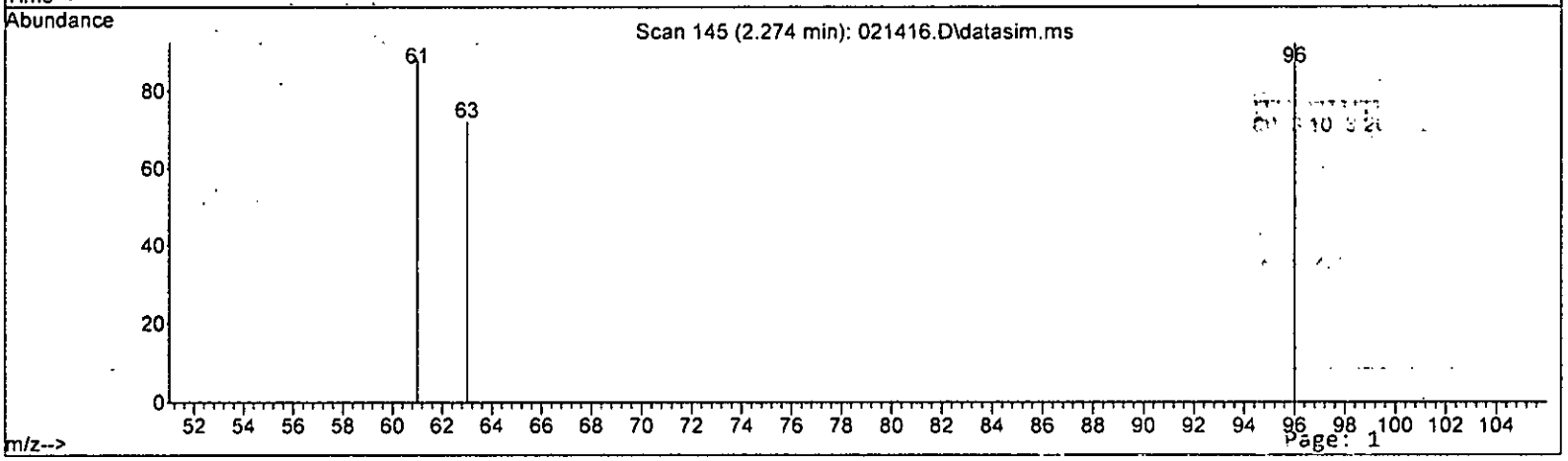
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

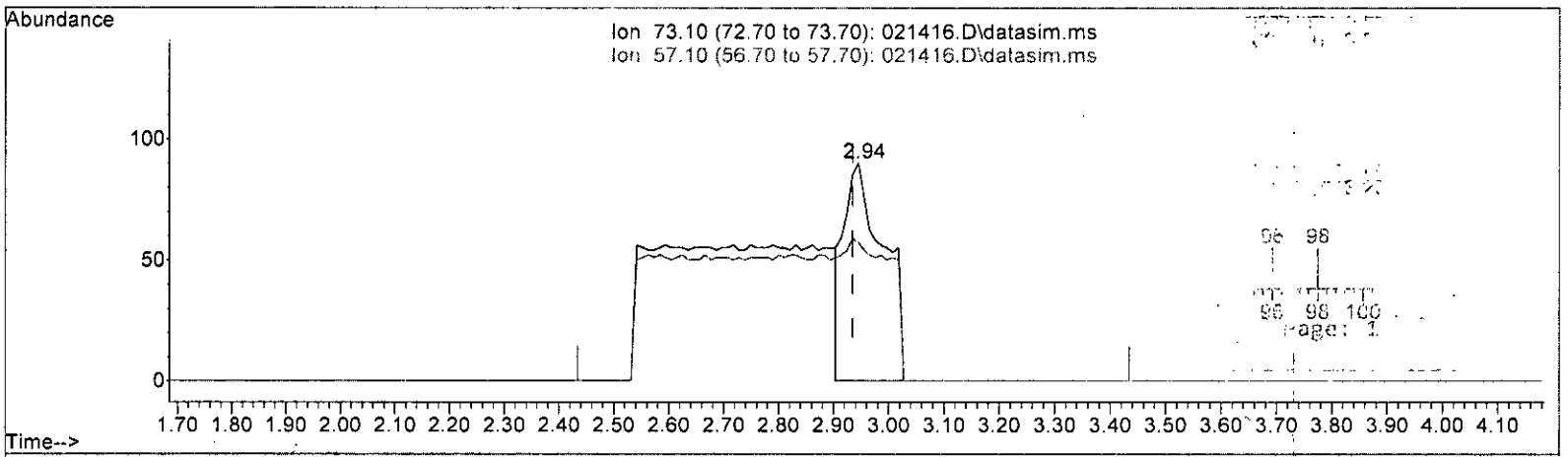
(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.026 ppb m
response 74

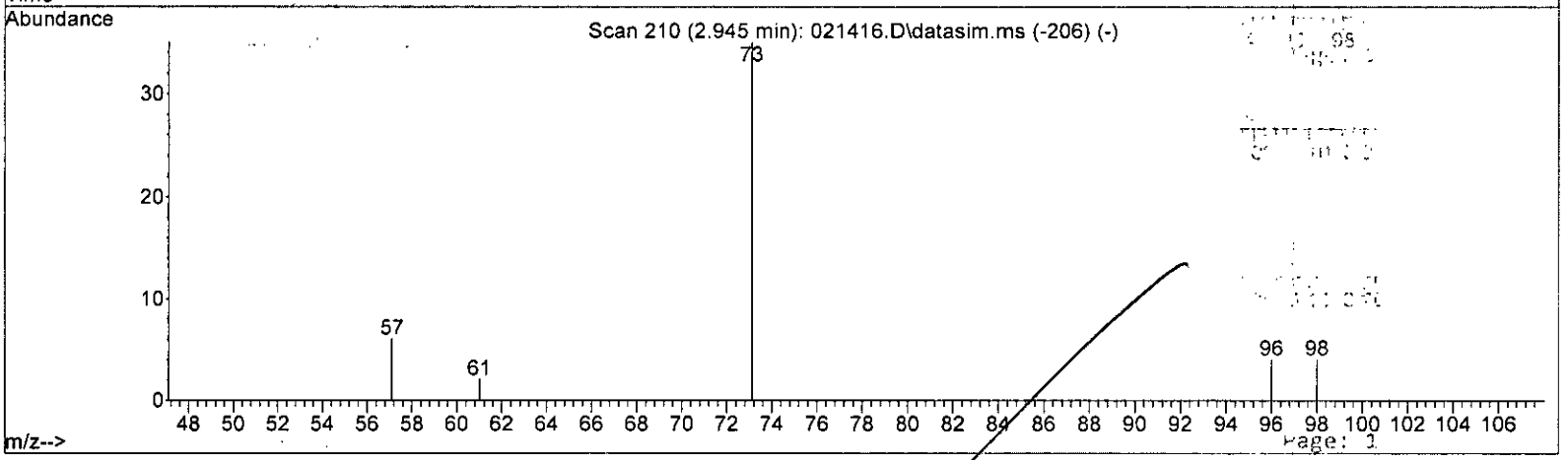
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	95.65
63.00	36.10	78.26#
0.00	0.00	0.00

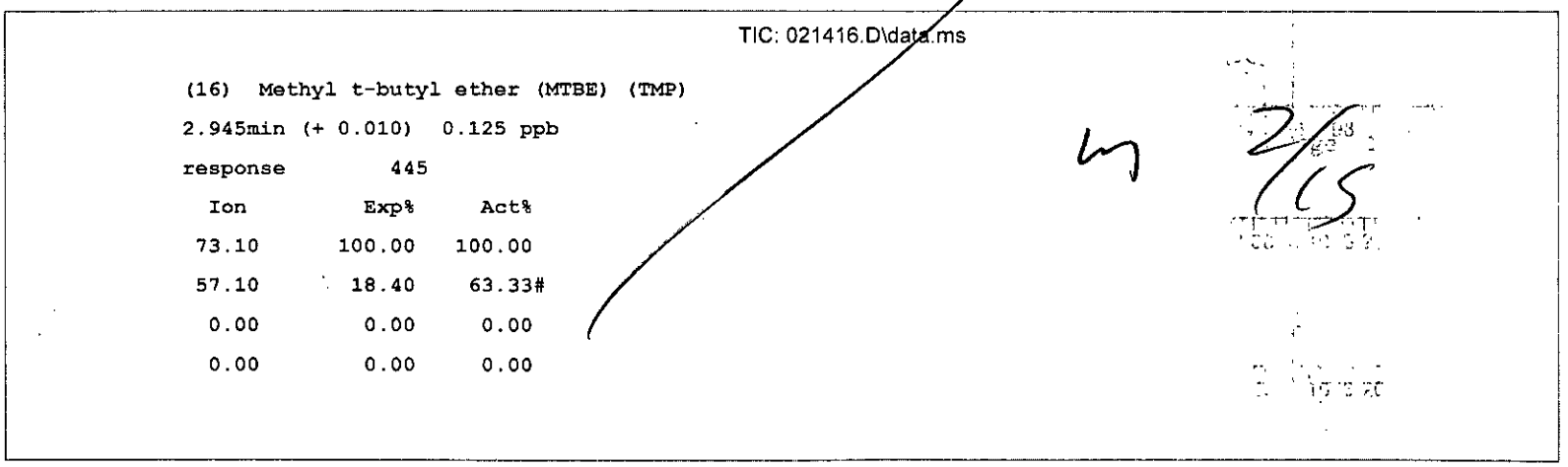
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







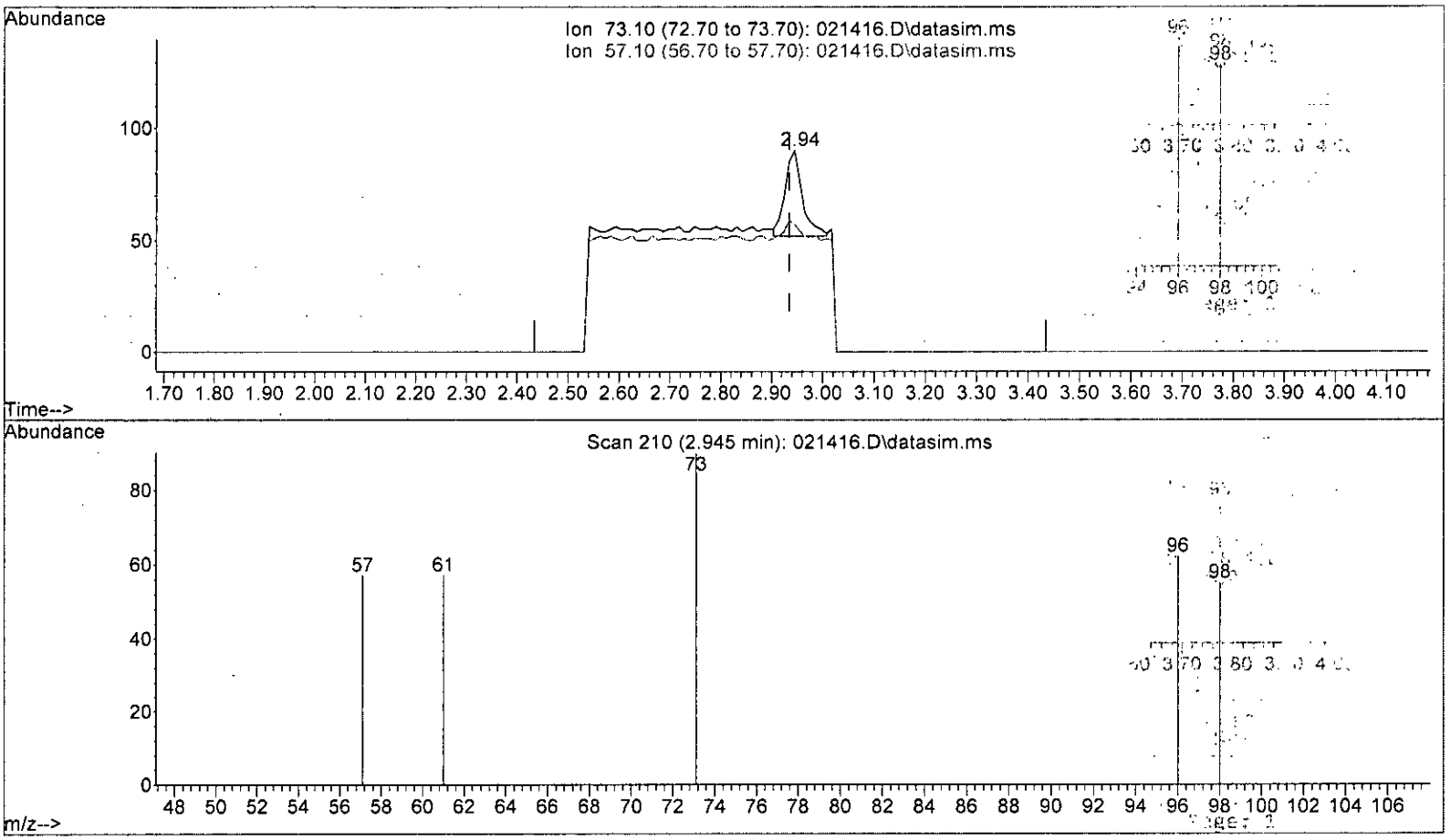
(16) Methyl t-butyl ether (MTBE) (TMP)
2.945min (+ 0.010) 0.125 ppb
response 445

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021416.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.945min (+ 0.010) 0.025 ppb m

response 89

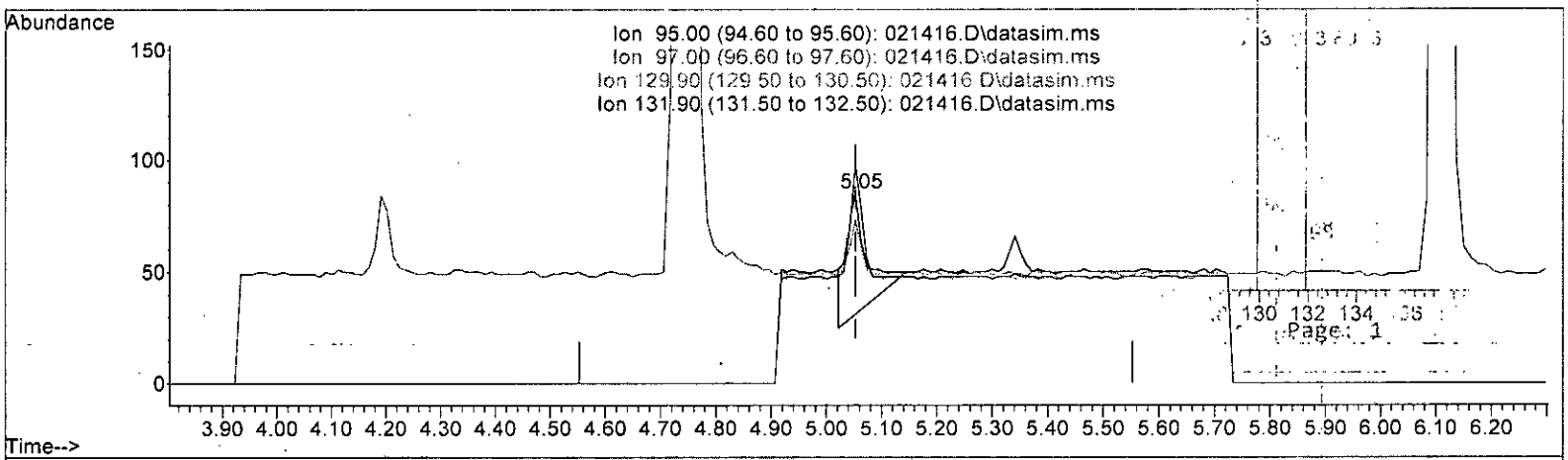
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	63.33#
0.00	0.00	0.00
0.00	0.00	0.00

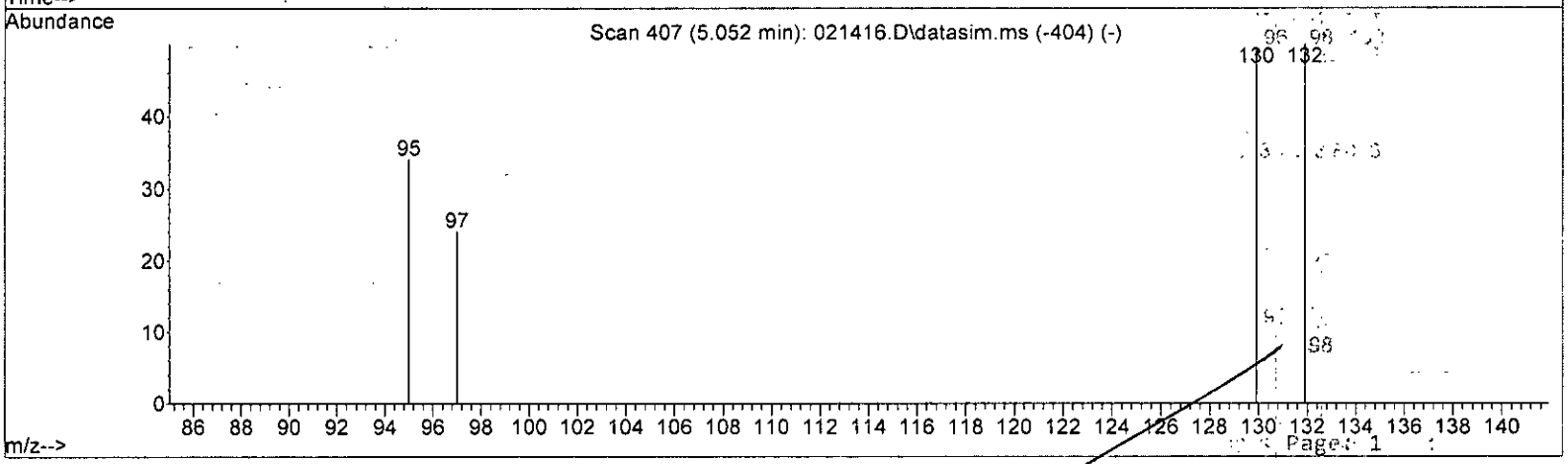
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)
5.052min (-0.001) 0.058 ppb
response 142

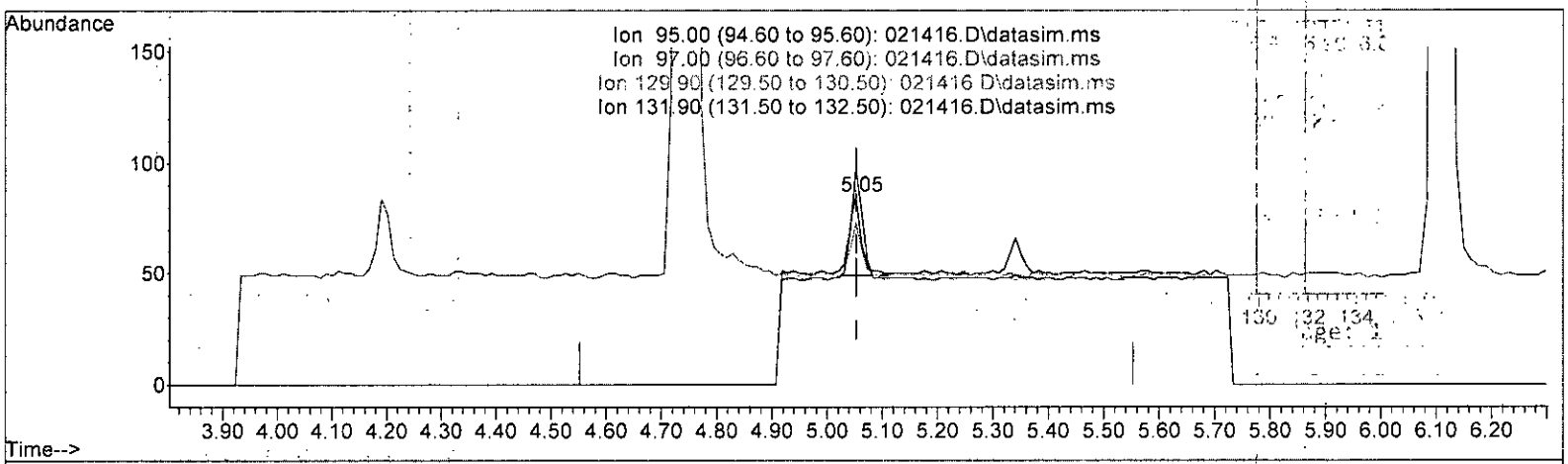
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.57
129.90	158.20	142.86
131.90	155.20	142.86

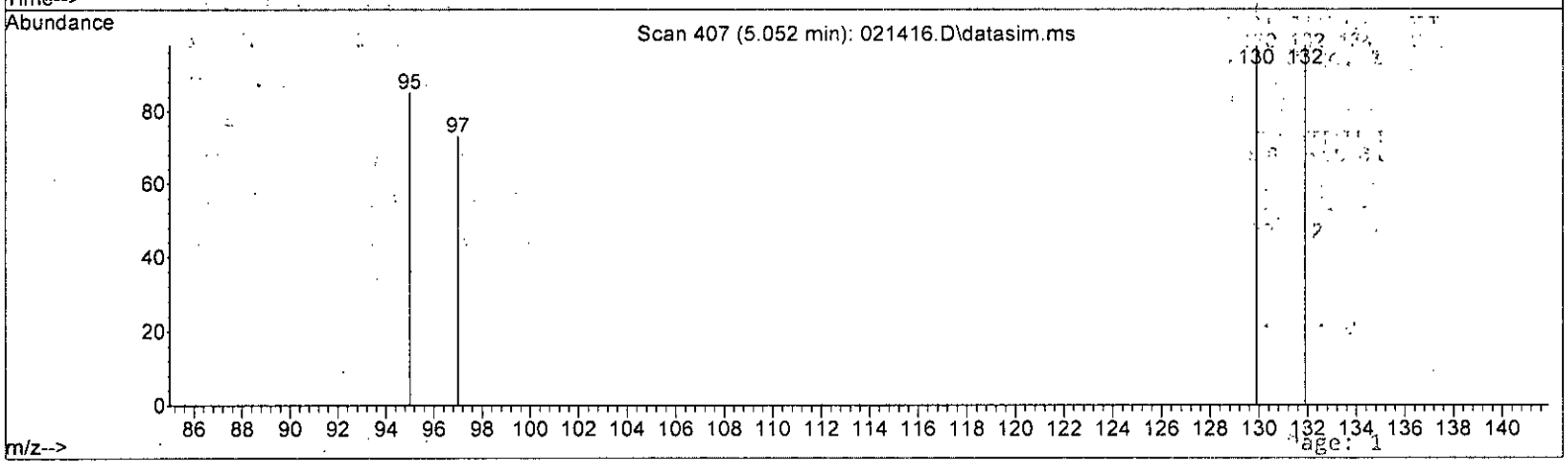
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021416.D\data.ms

(32) Trichloroethene (TMP)

5.052min (-0.001) 0.016 ppb m

response 56

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	85.88
129.90	158.20	115.29#
131.90	155.20	115.29#

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	64603	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	58994	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33520	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20700	10.262	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.45	102	4315	10.774	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 107.70%			
35) Toluene-d8	6.10	98	61202	10.174	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.70%			
57) 4-Bromofluorobenzene	8.51	95	21086	10.203	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D. d		
5) Chloromethane	0.00		0	N.D. d		
6] Vinyl chloride	1.33	62	84m	0.030	ppb	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12] 1,1-Dichloroethene	2.27	96	74m	0.026	ppb	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	0.00		0	N.D. d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.94	73	89m	0.025	ppb	
17) trans-1,2-Dichloroethene	0.00		0	N.D. d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D. d		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	46	0.024	ppb	95
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D. d		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D. d		
27] 1,1,1-Trichloroethane	4.19	97	62	0.022	ppb	94
28) 1,1-Dichloropropene	0.00		0	N.D. d		
29) Carbon tetrachloride	0.00		0	N.D. d		
31] Benzene	4.50	78	137	0.020	ppb	96
32] Trichloroethene	5.05	95	56m	0.016	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

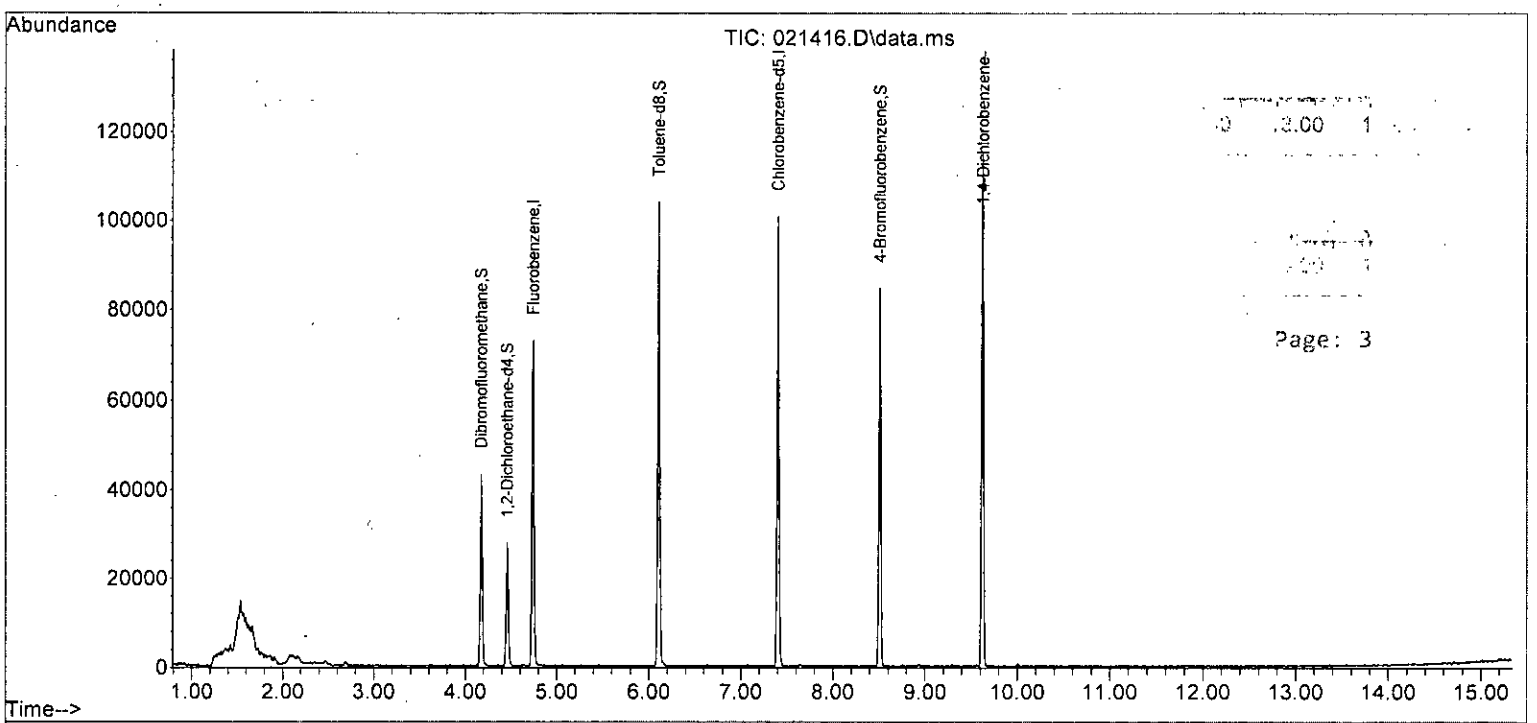
Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	131	0.019	ppb	100
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	68	0.019	ppb	98
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D. d		
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	192	0.019	ppb	100
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	177	0.039	ppb	98
52] o-Xylene	8.02	106	80	0.019	ppb	97
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

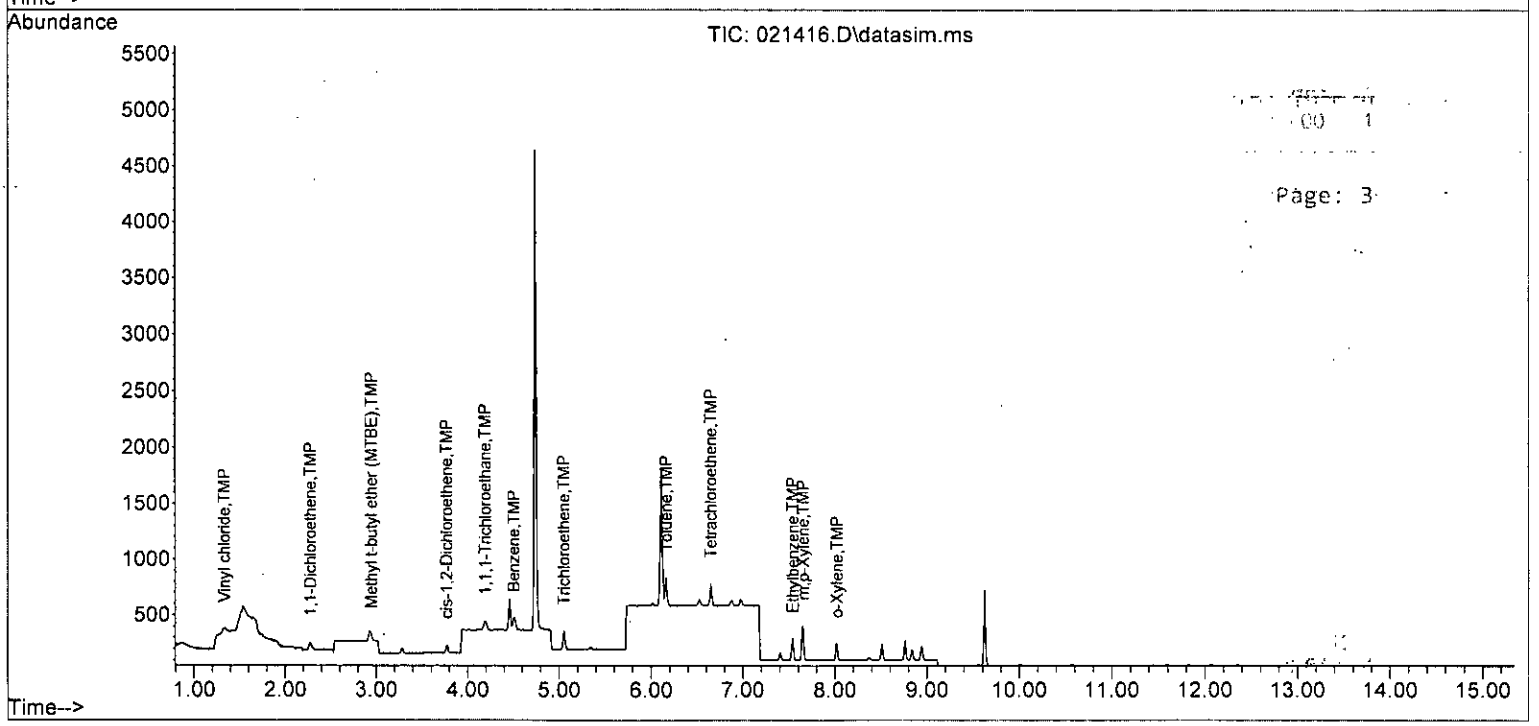
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



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Page: 3

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.01
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.262	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.020	0.030	-50.0#	109	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.020	0.026	-30.0#	110	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.025	-25.0#	114	0.01
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.92#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.020	0.024	-20.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.52#
27	TMP	1,1,1-Trichloroethane	0.020	0.022	-10.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	10.774	-7.7	100	0.00
31	TMP	Benzene	0.020	0.020	0.0	100	0.00
32	TMP	Trichloroethene	0.020	0.016	20.0	88	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.174	-1.7	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.020	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.019	5.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.020	0.019	5.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.020	0.019	5.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.040	0.039	2.5	100	0.00
52	TMP	o-Xylene	0.020	0.019	5.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.203	-2.0	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.01
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.650	-22.2#	109	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.573	-30.2#	110	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.689	-24.8#	114	0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.000#	100.0#	0#	-2.92#
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.356	-17.9	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.000#	100.0#	0#	-4.52#
27	TMP	1,1,1-Trichloroethane	0.437	0.480	-9.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.067	-8.1	100	0.00
31	TMP	Benzene	0.876	1.060	-21.0#	100	0.00
32	TMP	Trichloroethene	0.338	0.433	-28.1#	88	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.947	-1.7	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	1.110	-45.3#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021416.D
Acq On : 14 Feb 2023 04:51 pm
Operator : lm
Sample : 0.02 ppb 8260 CCV 68-127F
Misc : Soil/water
ALS Vial : 4 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:54 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.576	-27.4#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.627	-22.2#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.750	-27.1#	100	0.00
52	TMP	o-Xylene	0.566	0.678	-19.8	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

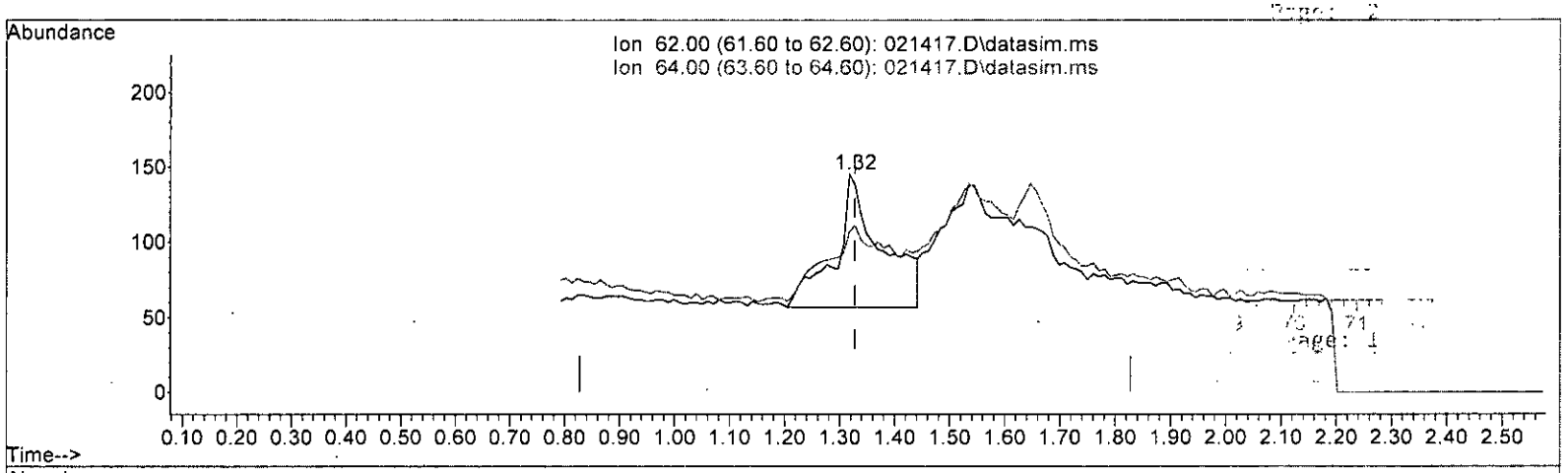
Page: 2

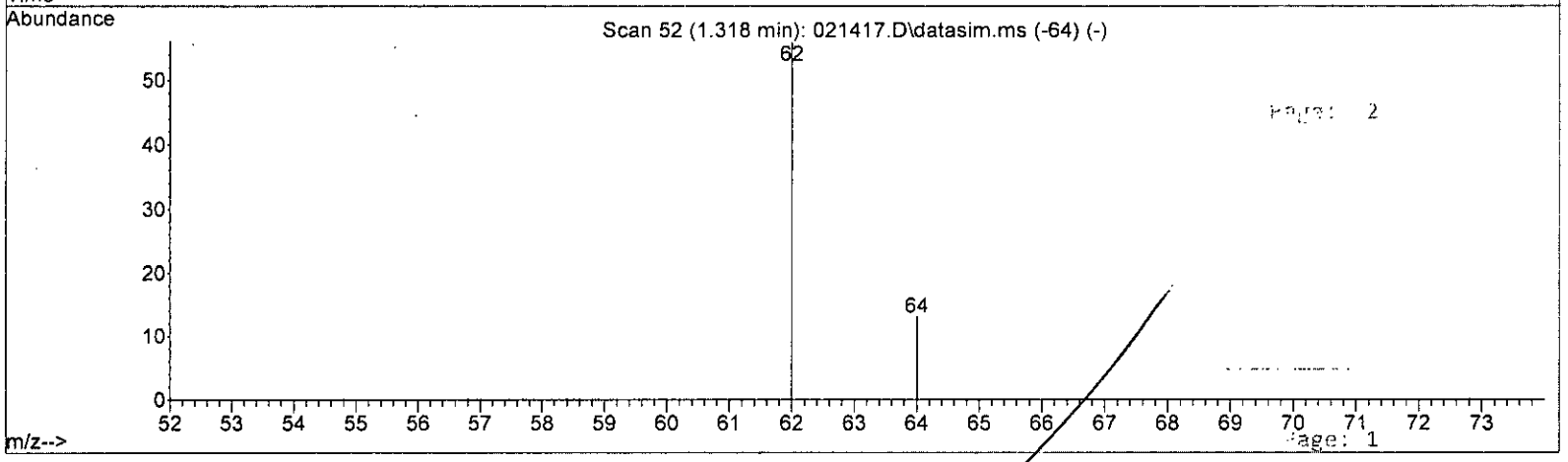
(#) = Out of Range SPCC's out = 56 CCC's out = 0

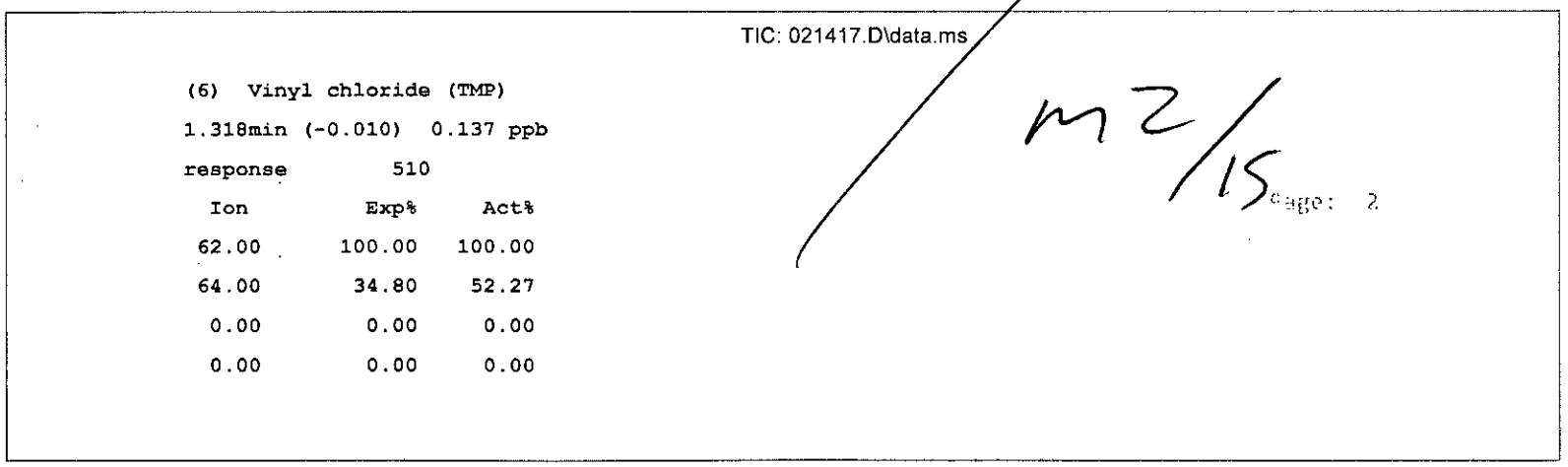
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







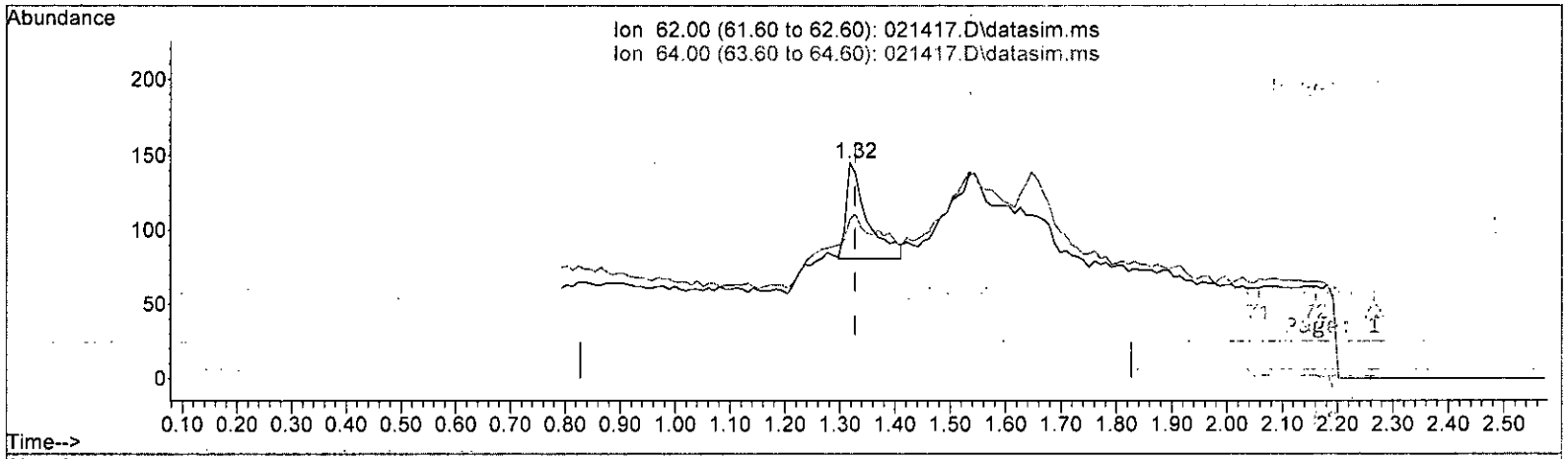
(6) Vinyl chloride (TMP)
1.318min (-0.010) 0.137 ppb
response 510

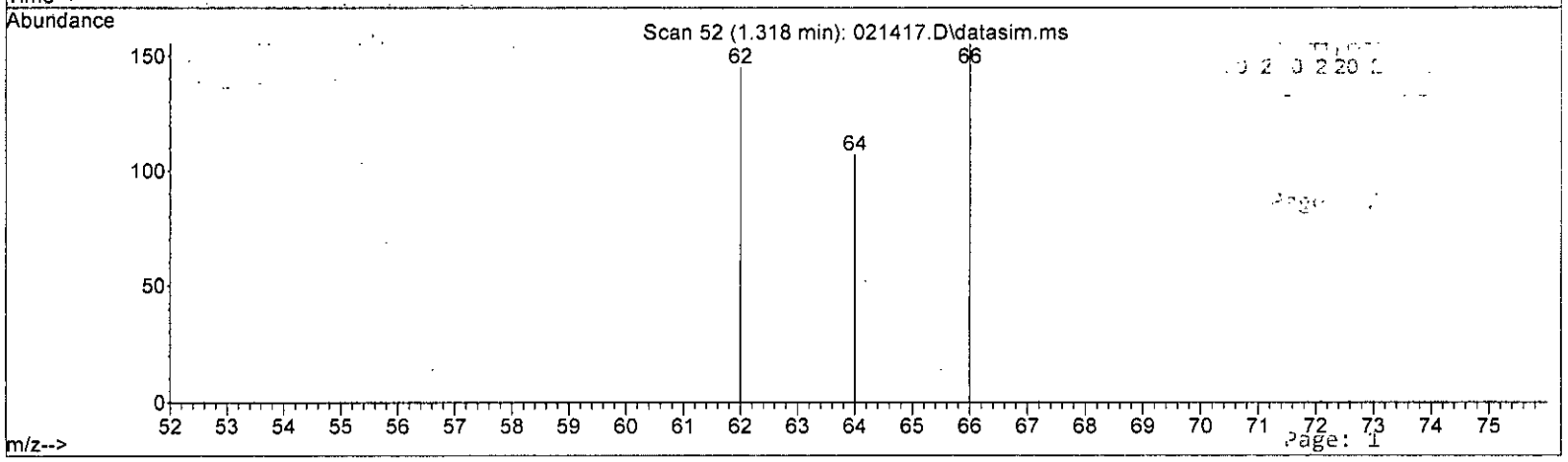
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	52.27
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(6) Vinyl chloride (TMP)

1.318min (-0.010) 0.050 ppb m

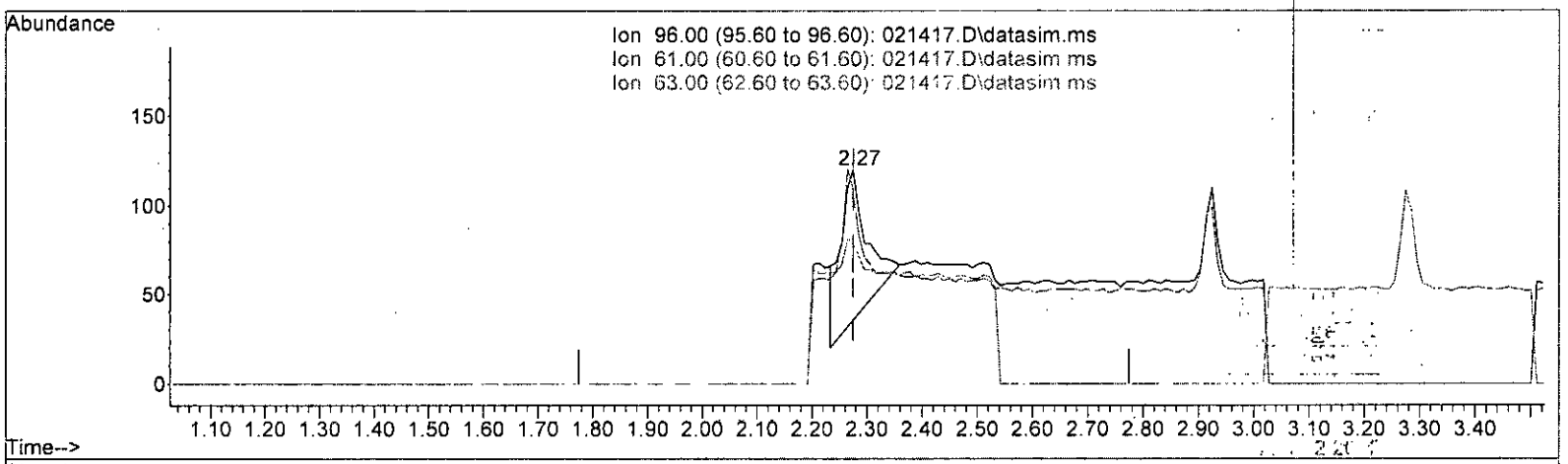
response 172

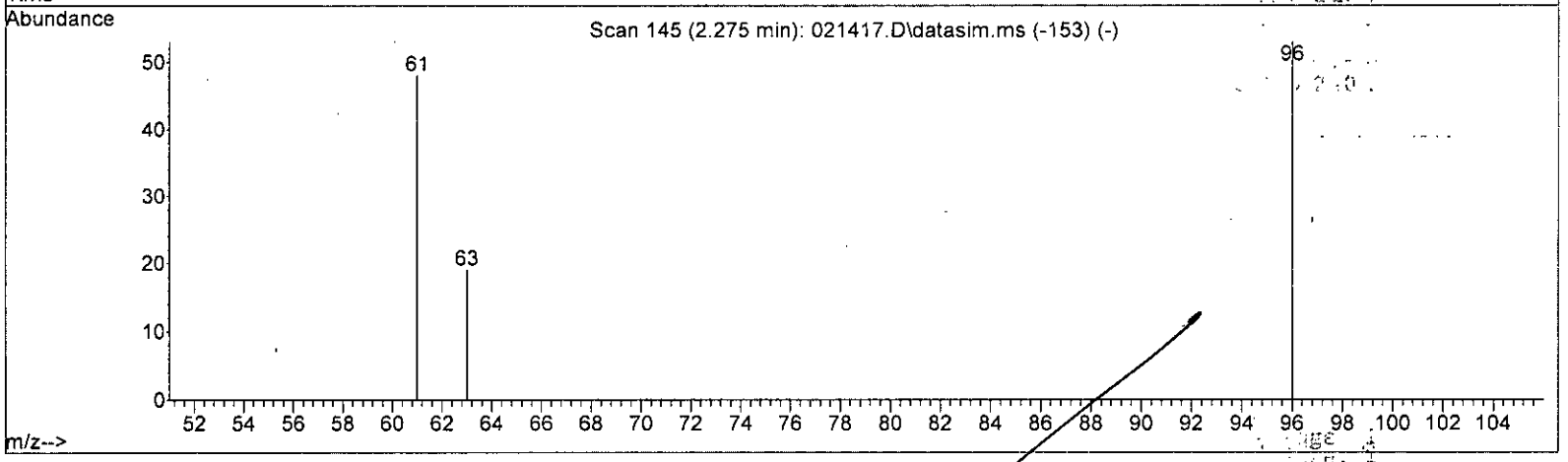
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	73.79#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

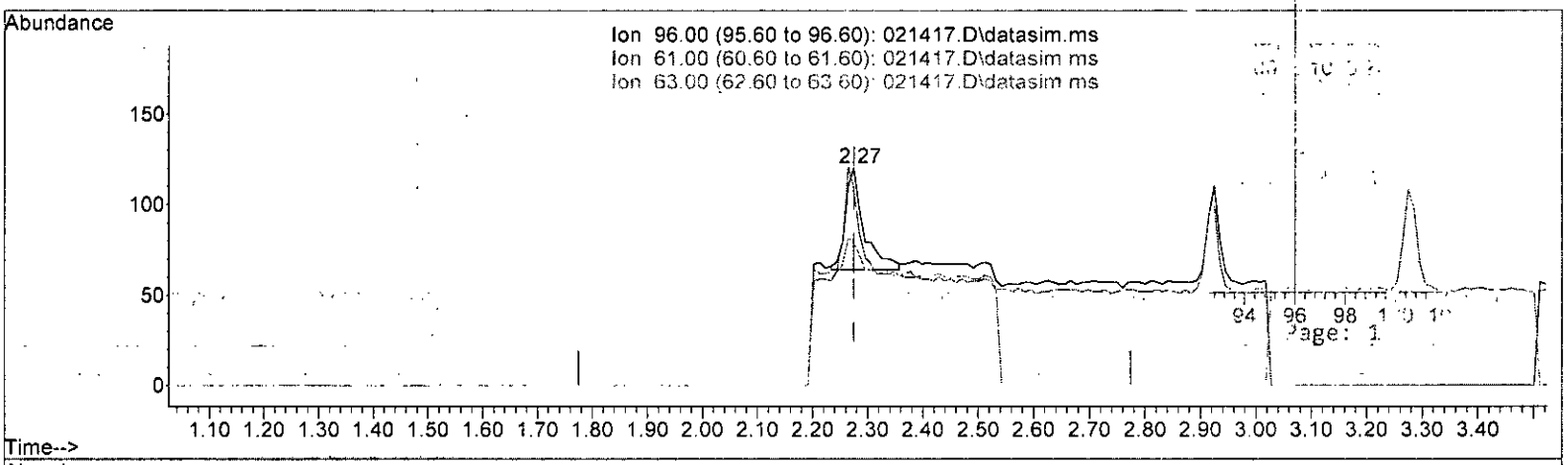
(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.093 ppb
response 288

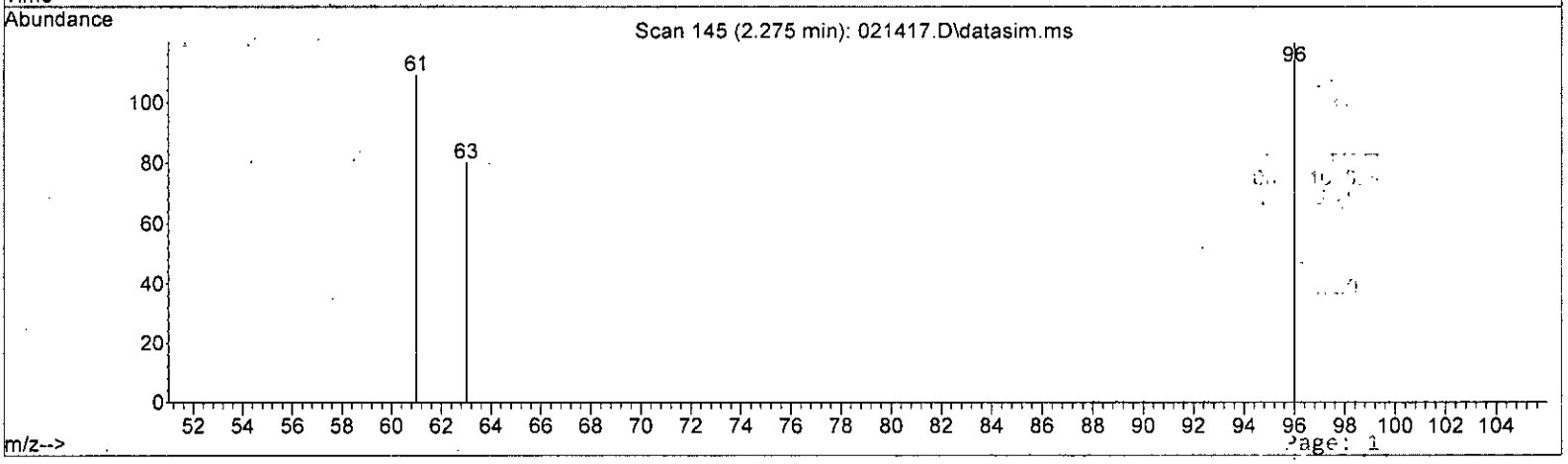
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	94.44
63.00	36.10	35.19
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.043 ppb m
response 132

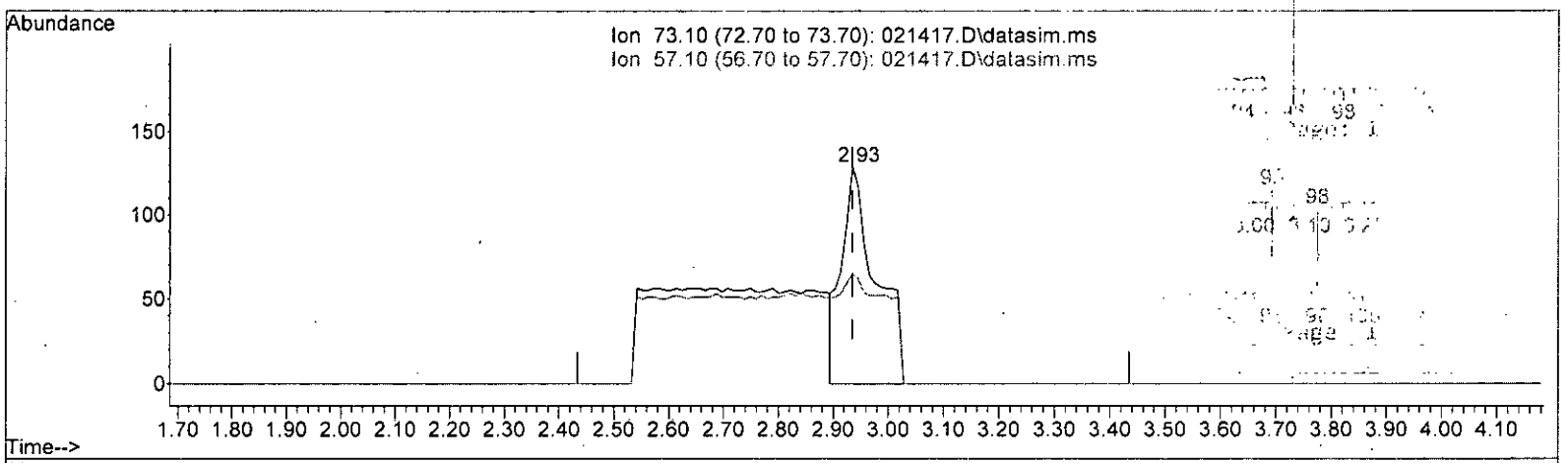
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	90.83
63.00	36.10	66.67#
0.00	0.00	0.00

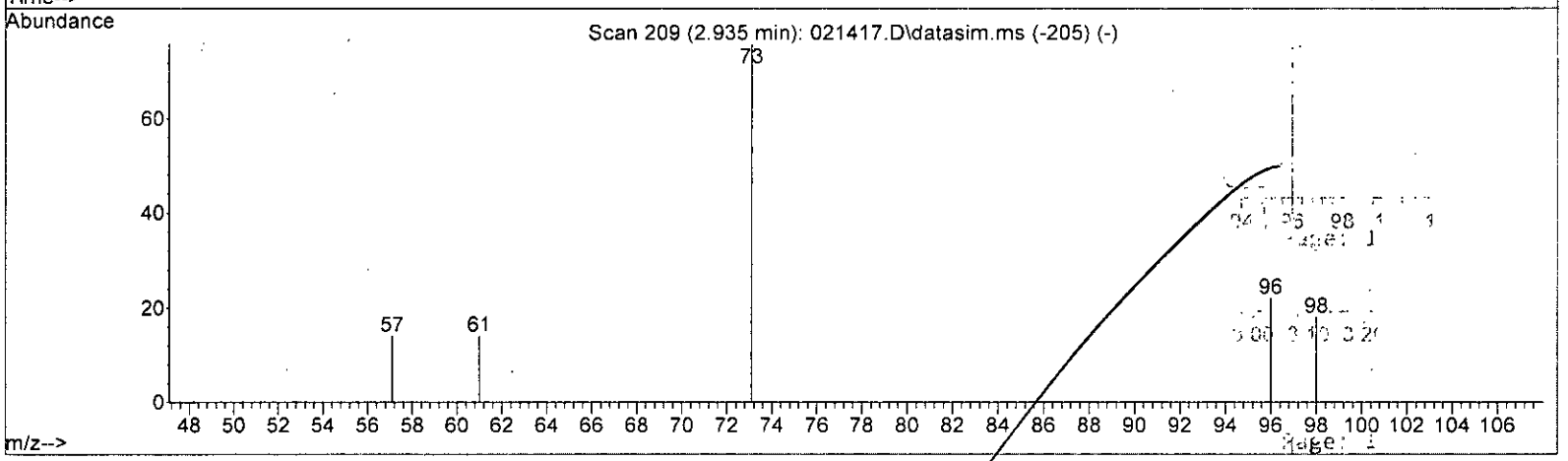
2/15

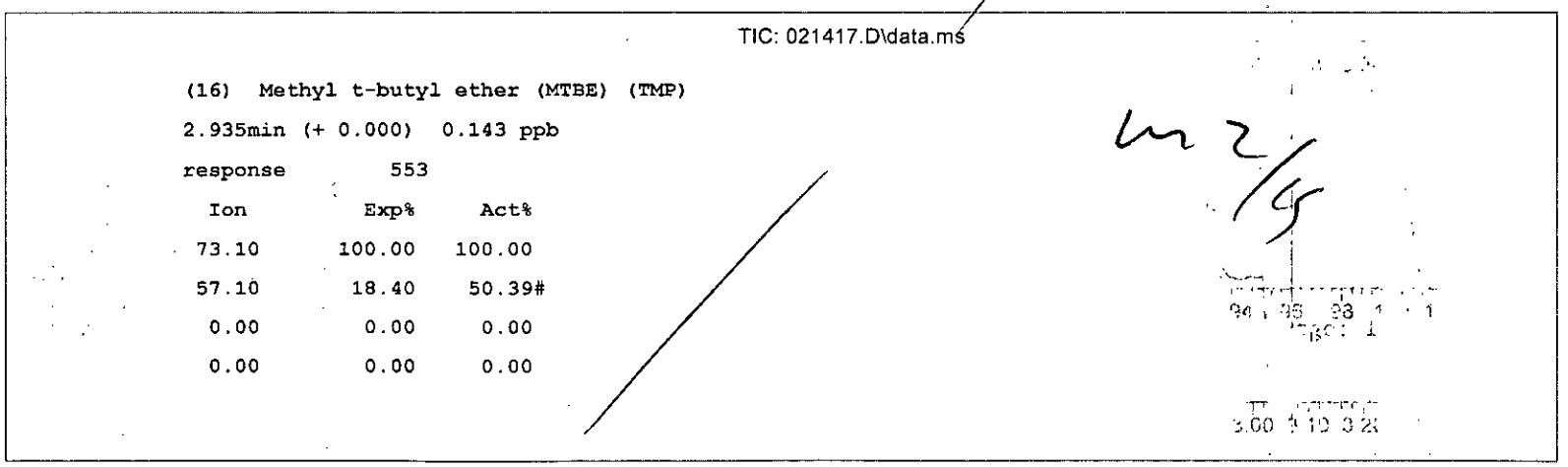
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.000) 0.143 ppb

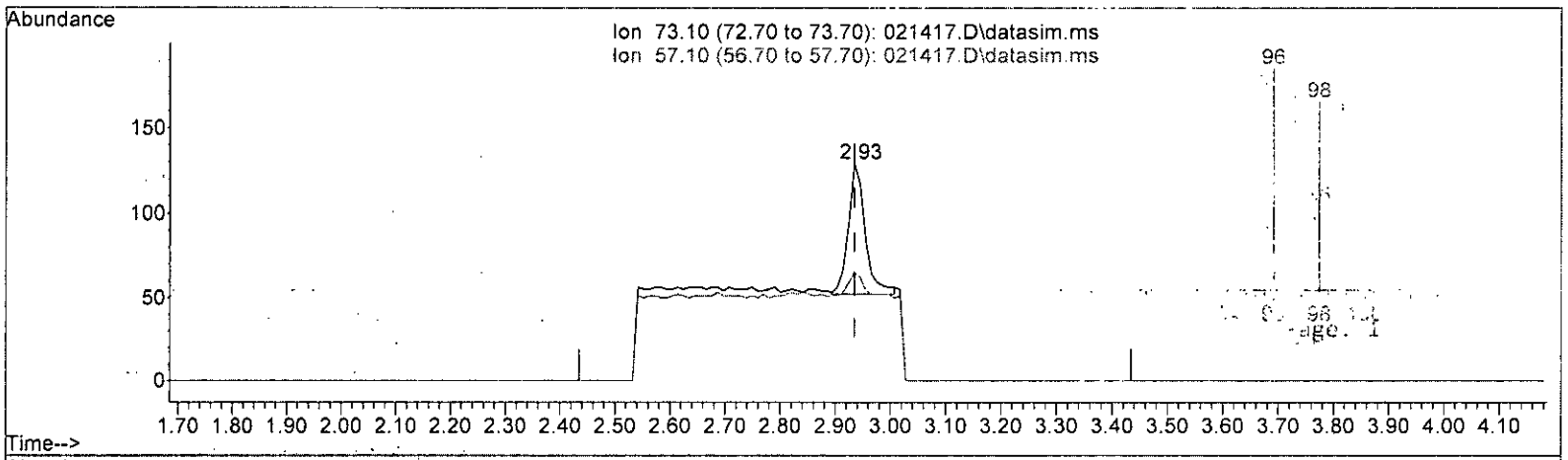
response 553

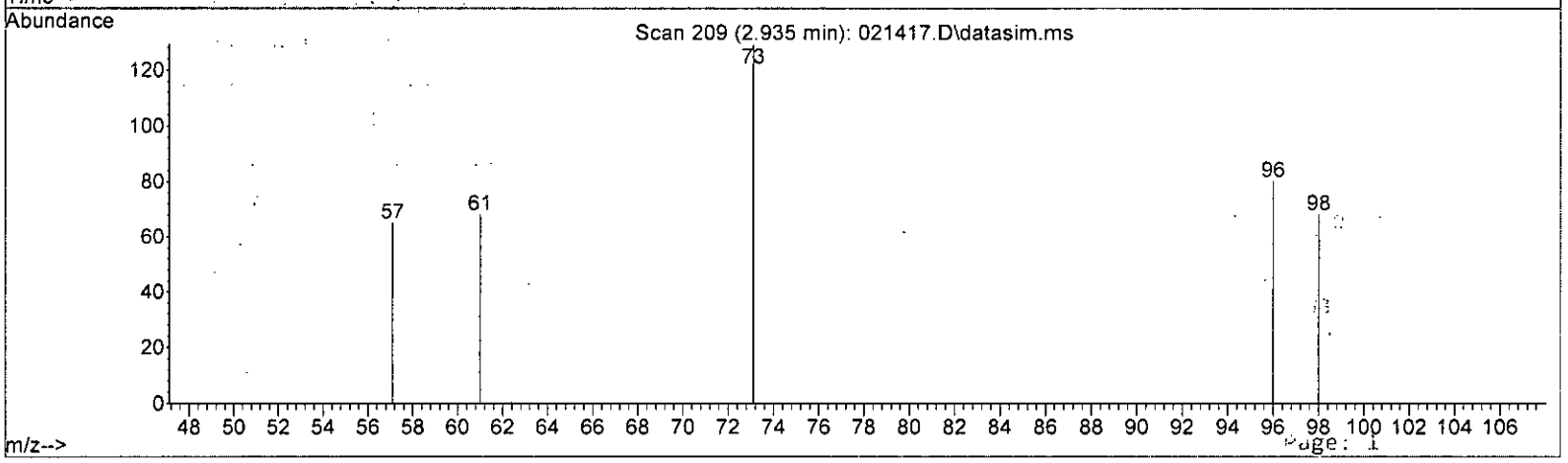
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (+ 0.000) 0.042 ppb m
response 164

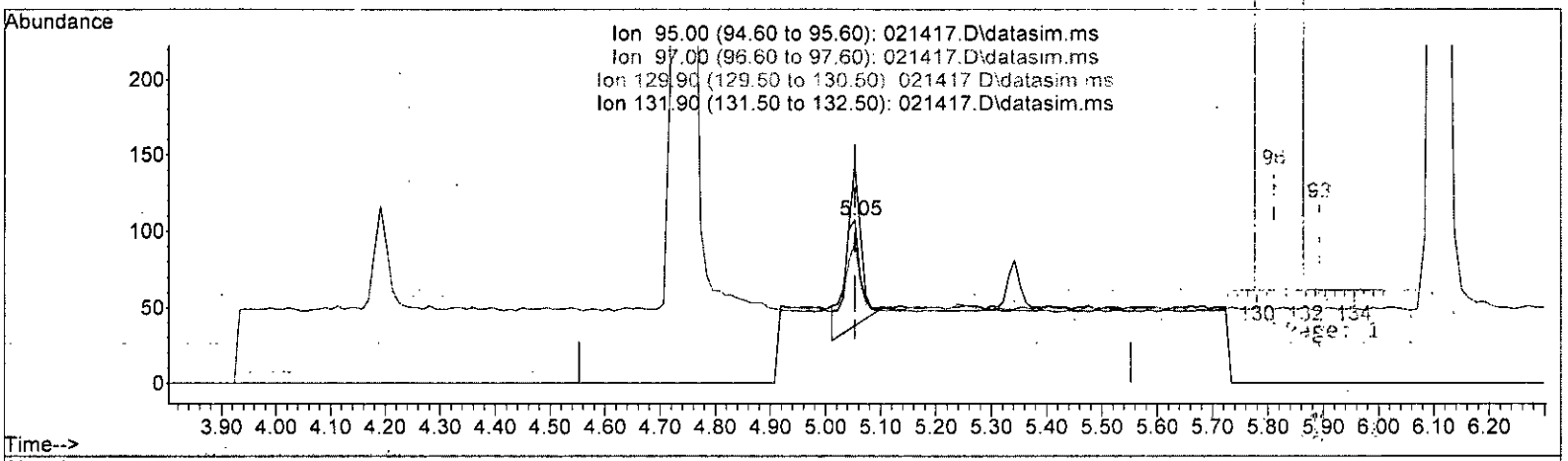
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	50.39#
0.00	0.00	0.00
0.00	0.00	0.00

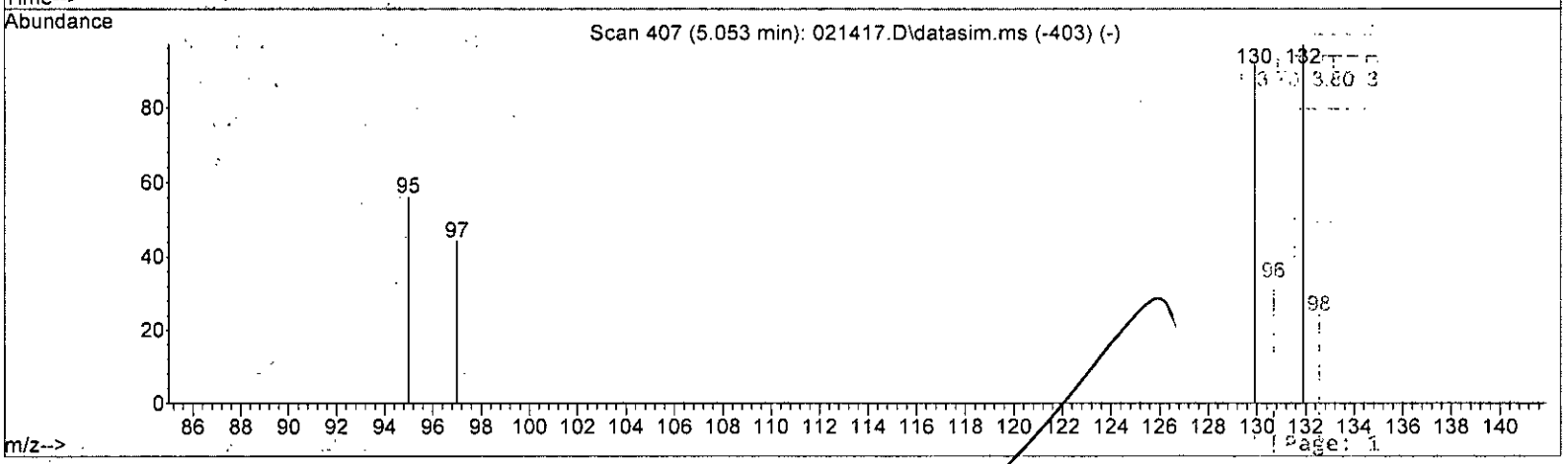
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

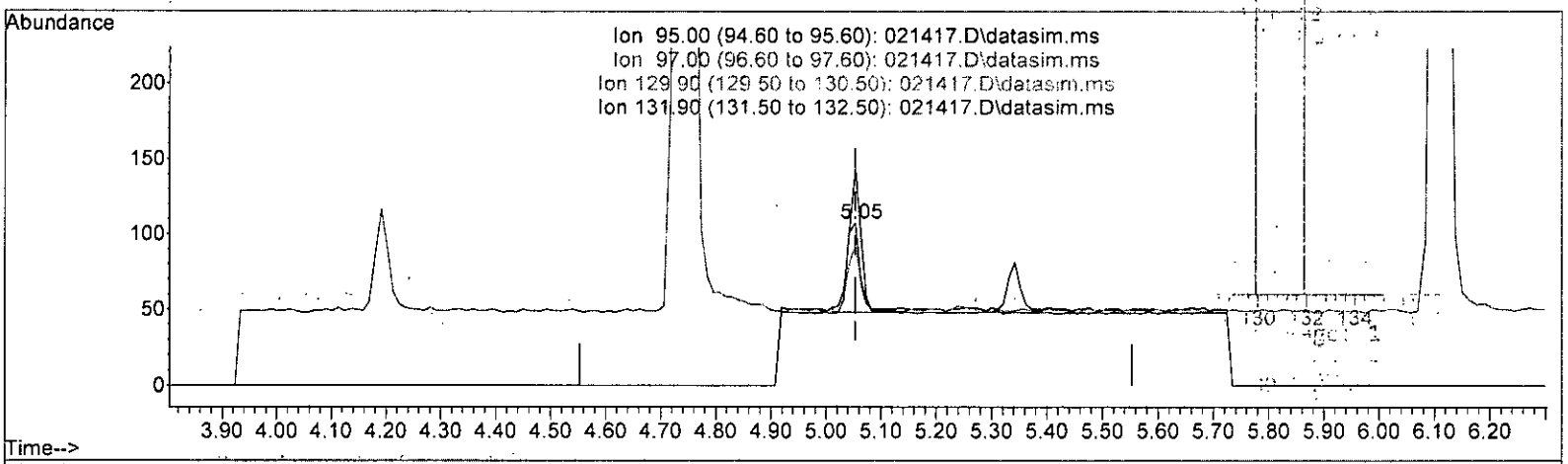
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.057 ppb
response 152

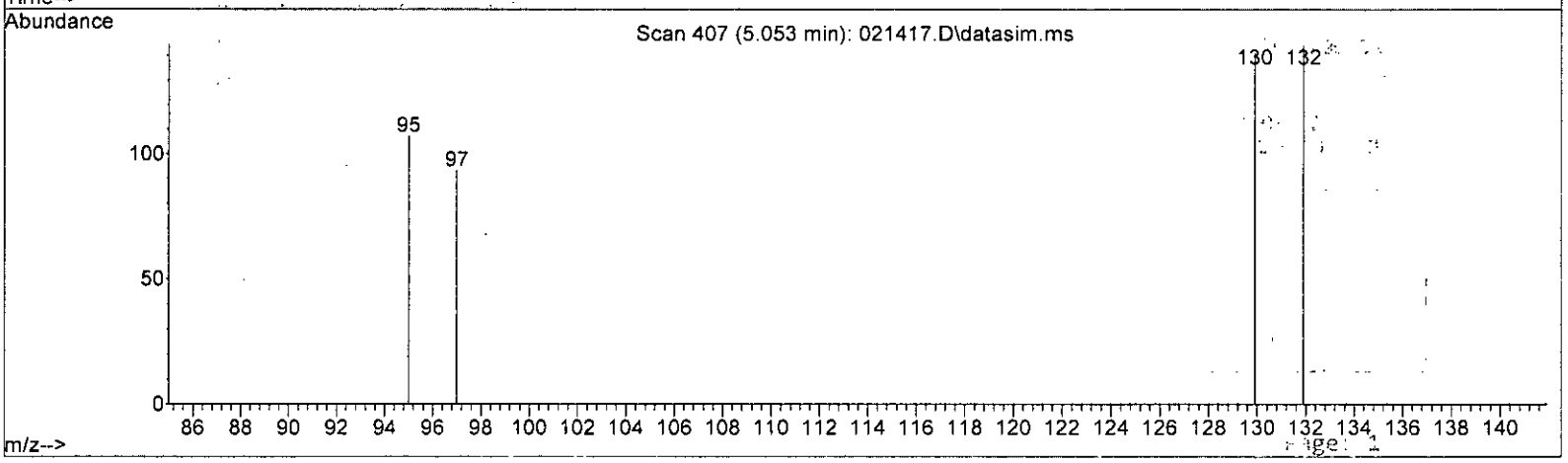
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	77.19
129.90	158.20	163.16
131.90	155.20	170.18

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021417.D\data.ms

(32) Trichloroethene (TMP)

5.053min (-0.000) 0.034 ppb m

response 102

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	86.92
129.90	158.20	131.78
131.90	155.20	134.58

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Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	70232	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58100	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33383	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	20747	9.461	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3986	9.155	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 91.50%			
35) Toluene-d8	6.11	98	60957	9.321	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.20%			
57) 4-Bromofluorobenzene	8.51	95	20963	10.185	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.90%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	172m	0.050	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.27	96	132m	0.043	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	164m	0.042	ppb	
17] trans-1,2-Dichloroethene	2.92	96	84	0.042	ppb	97
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	98	0.043	ppb	98
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	91	0.043	ppb	95
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	124	0.043	ppb	96
27] 1,1,1-Trichloroethane	4.19	97	115	0.038	ppb	98
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	271	0.040	ppb	99
32] Trichloroethene	5.05	95	102m	0.034	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40] Toluene	6.16	92	226	0.043	ppb	98
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	129	0.044	ppb	88
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	97	0.050	ppb	91
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	374	0.044	ppb	98
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	327	0.085	ppb	97
52] o-Xylene	8.02	106	156	0.043	ppb	100
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	0.00		0	N.D. d		
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

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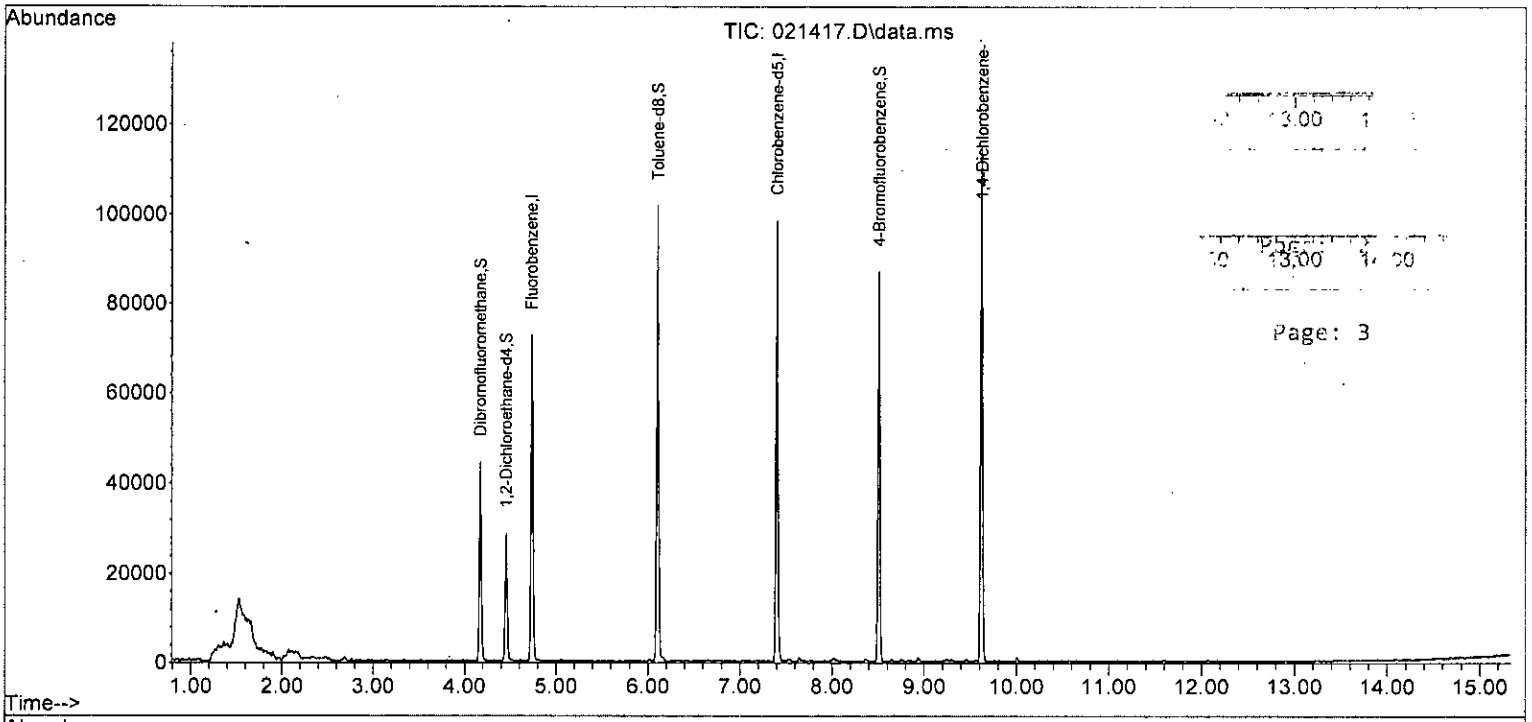
Page: 2

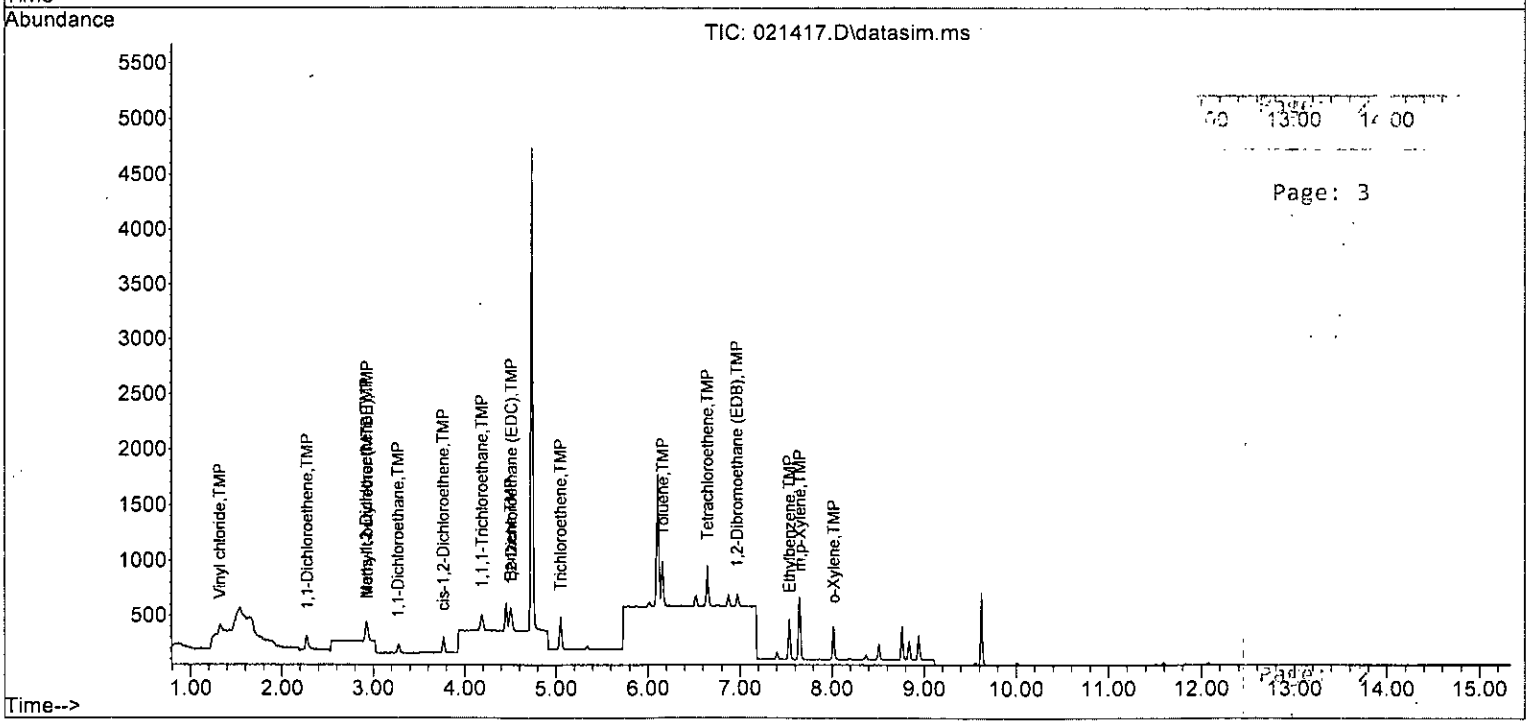
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.461	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.040	0.050	-25.0#	100	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.040	0.043	-7.5	96	0.00
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.042	-5.0	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.040	0.042	-5.0	100	0.00
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.040	0.043	-7.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.040	0.043	-7.5	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.043	-7.5	100	0.00
27	TMP	1,1,1-Trichloroethane	0.040	0.038	5.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.155	8.5	100	0.00
31	TMP	Benzene	0.040	0.040	0.0	100	0.00
32	TMP	Trichloroethene	0.040	0.034	15.0	89	0.00
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.040	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.321	6.8	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.040	0.000	100.0#	0	-5.88#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.043	-7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.040	0.044	-10.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.050	-25.0#	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.040	0.044	-10.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.080	0.085	-6.3	100	0.00
52	TMP	o-Xylene	0.040	0.043	-7.5	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.185	-1.9	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

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(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.295	5.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.612	-15.0	100	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.470	-6.8	96	0.00
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.584	-5.8	96	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.299	-5.3	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.349	-6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.324	-7.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.441	-46.5#	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.409	6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.057	8.1	100	0.00
31	TMP	Benzene	0.876	0.965	-10.2	100	0.00
32	TMP	Trichloroethene	0.338	0.363	-7.4	89	0.00
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.931	0.868	6.8	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.000#	100.0#	0#	-5.88#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.972	-27.2#	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021417.D
Acq On : 14 Feb 2023 05:14 pm
Operator : lm
Sample : 0.04 ppb 8260 CCV 68-127G
Misc : Soil/water
ALS Vial : 5 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:16:59 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:11:38 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

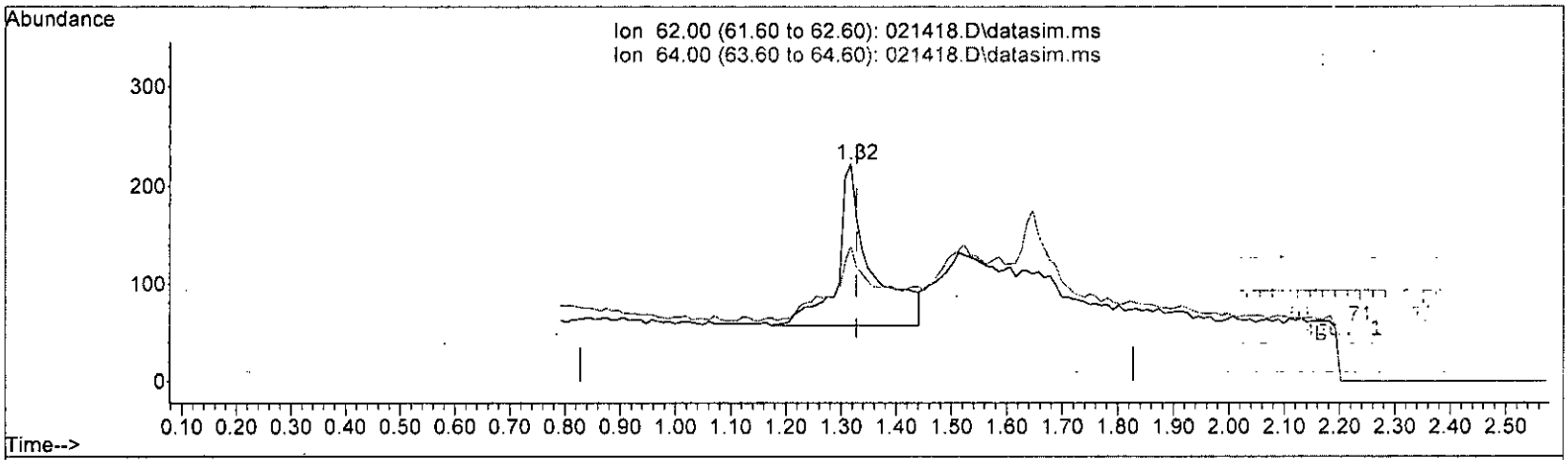
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.555	-22.8#	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.417	-26.0#	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.609	-20.9#	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.704	-19.3	100	0.00
52	TMP	o-Xylene	0.566	0.671	-18.6	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.628	-1.8	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

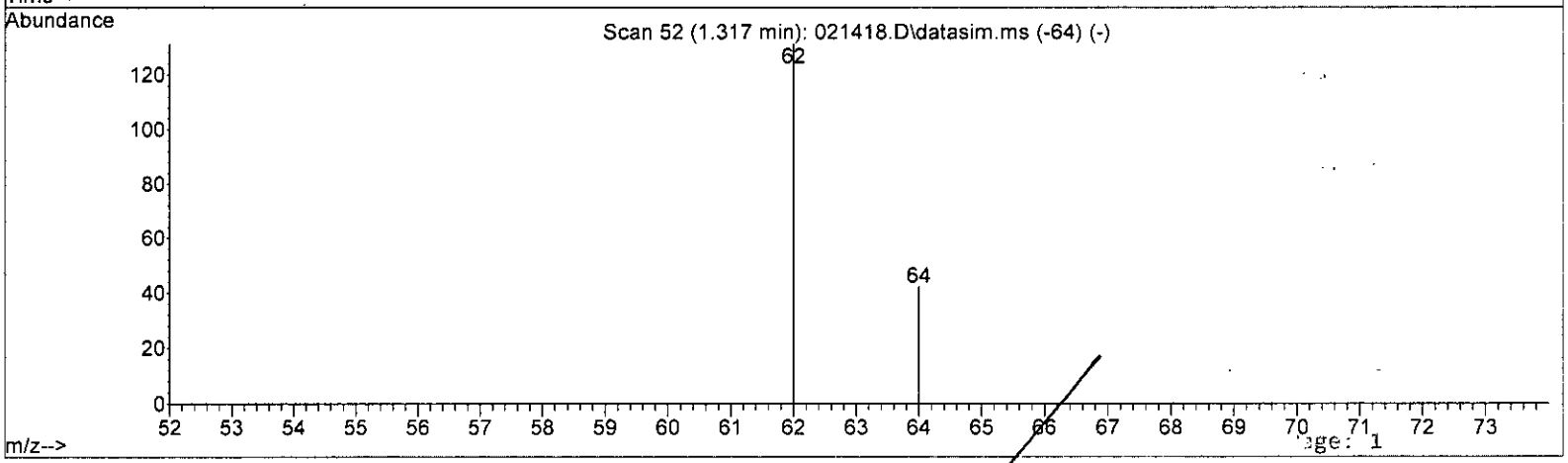
(#) = Out of Range SPCC's out = 52 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.204 ppb
response 700

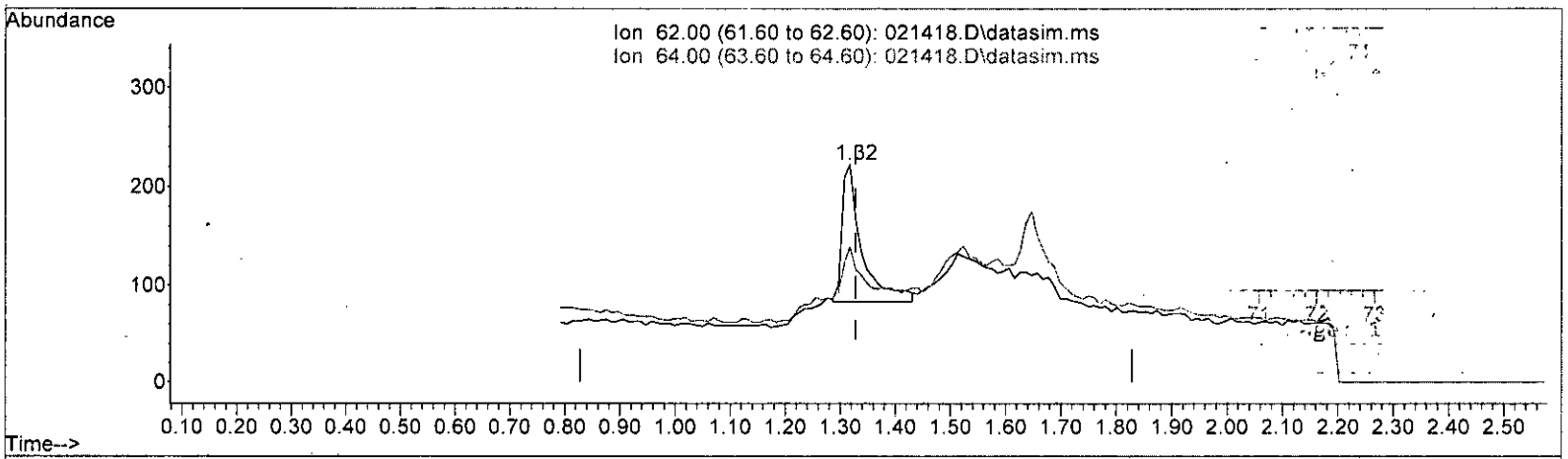
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	44.85
0.00	0.00	0.00
0.00	0.00	0.00

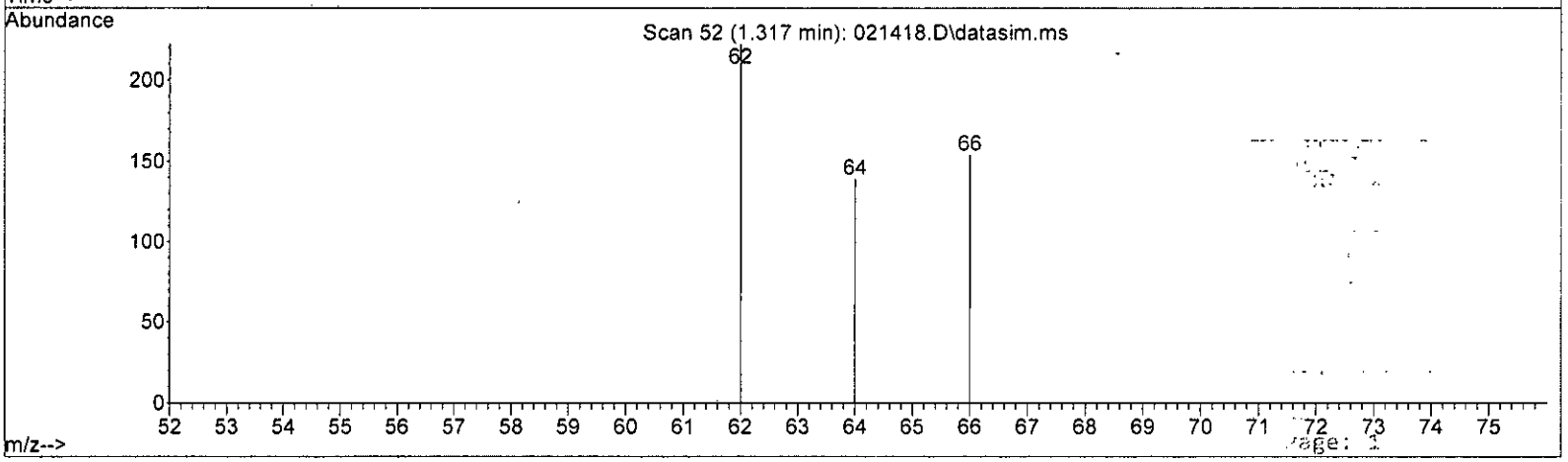
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(6) Vinyl chloride (TMP)
1.317min (-0.010) 0.105 ppb m
response 348

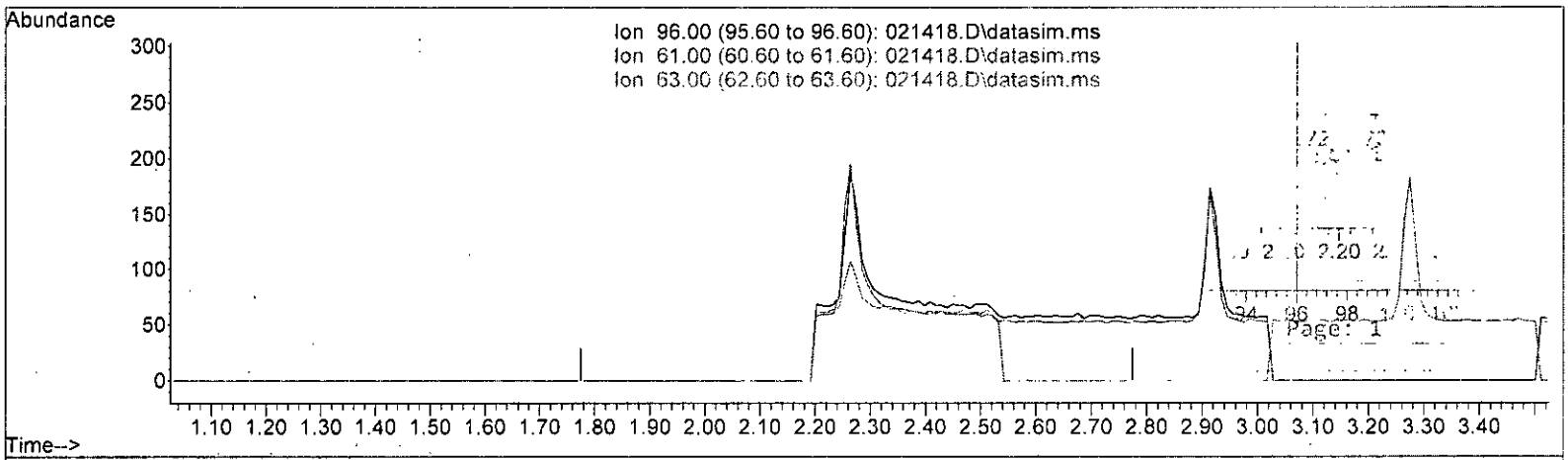
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	62.61
0.00	0.00	0.00
0.00	0.00	0.00

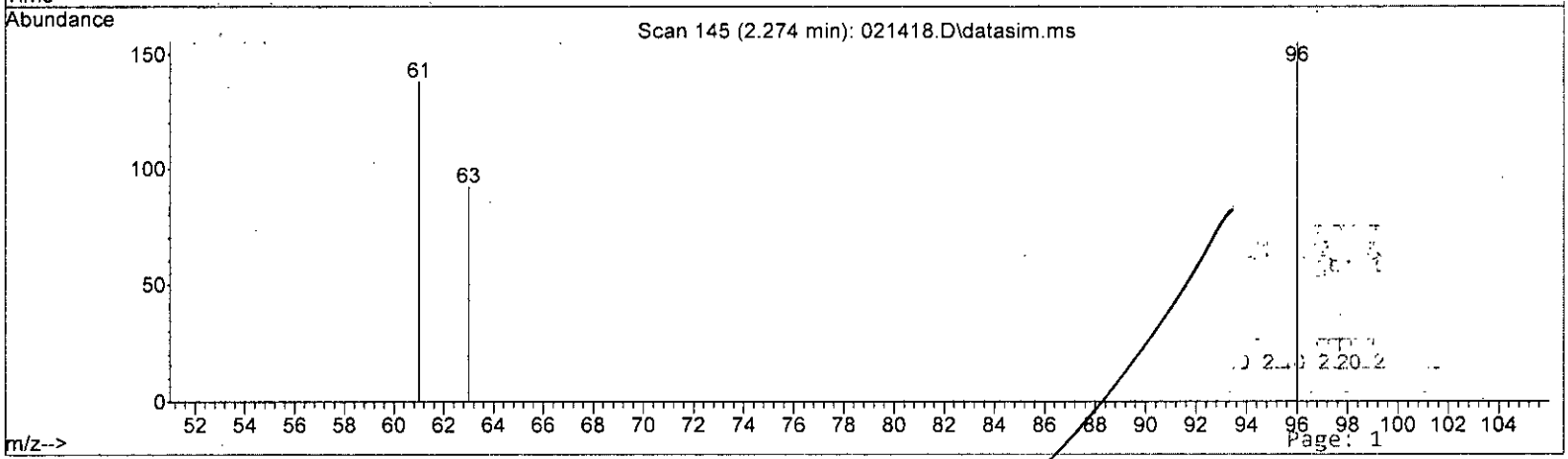
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.275min 0.000 ppb d

response 0

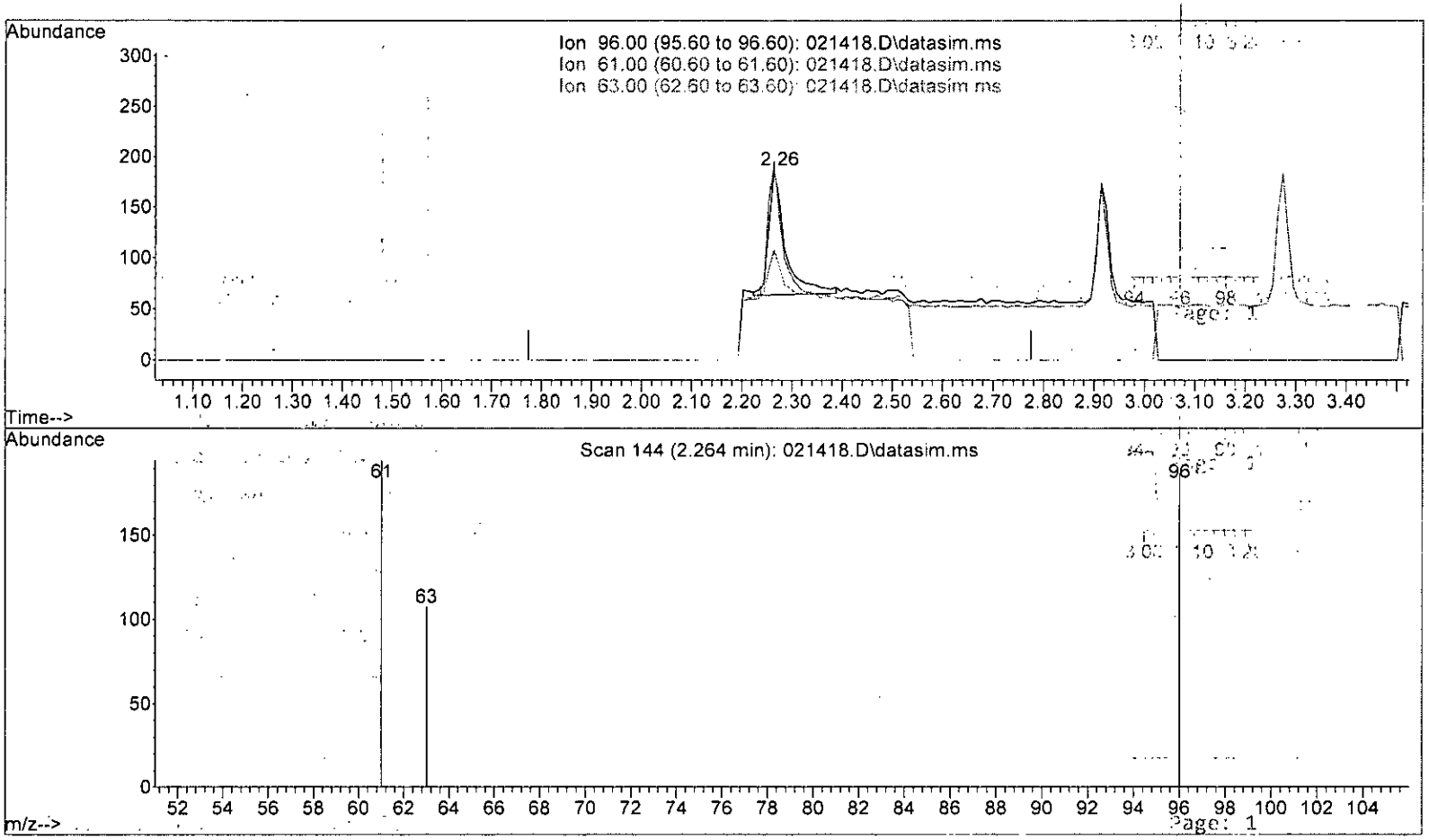
Ion	Exp%	Act%
96.00	100.00	0.00
61.00	104.80	0.00
63.00	36.10	0.00
0.00	0.00	0.00

accidental deletion

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021418.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.099 ppb m

response 279

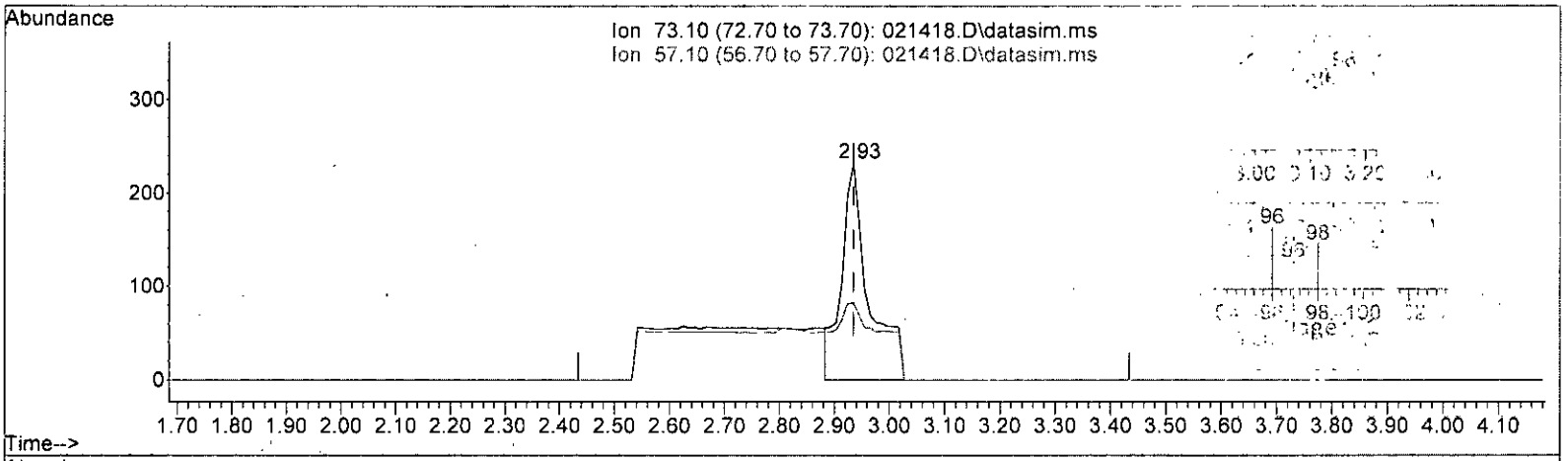
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.28
63.00	36.10	57.22
0.00	0.00	0.00

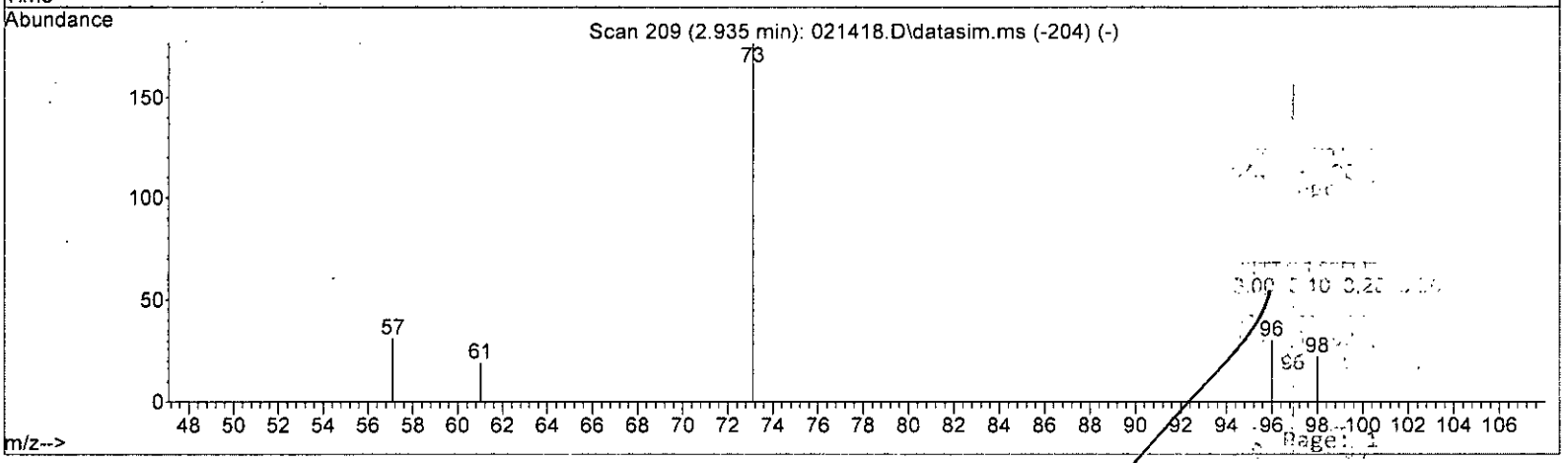
lm 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

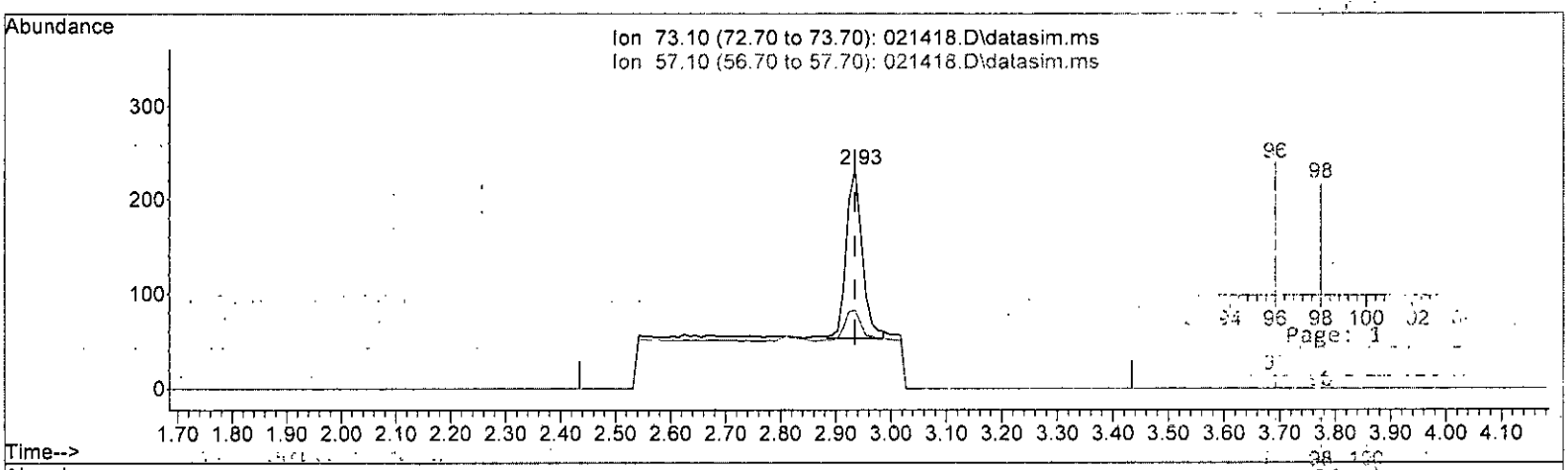
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.224 ppb
response 789

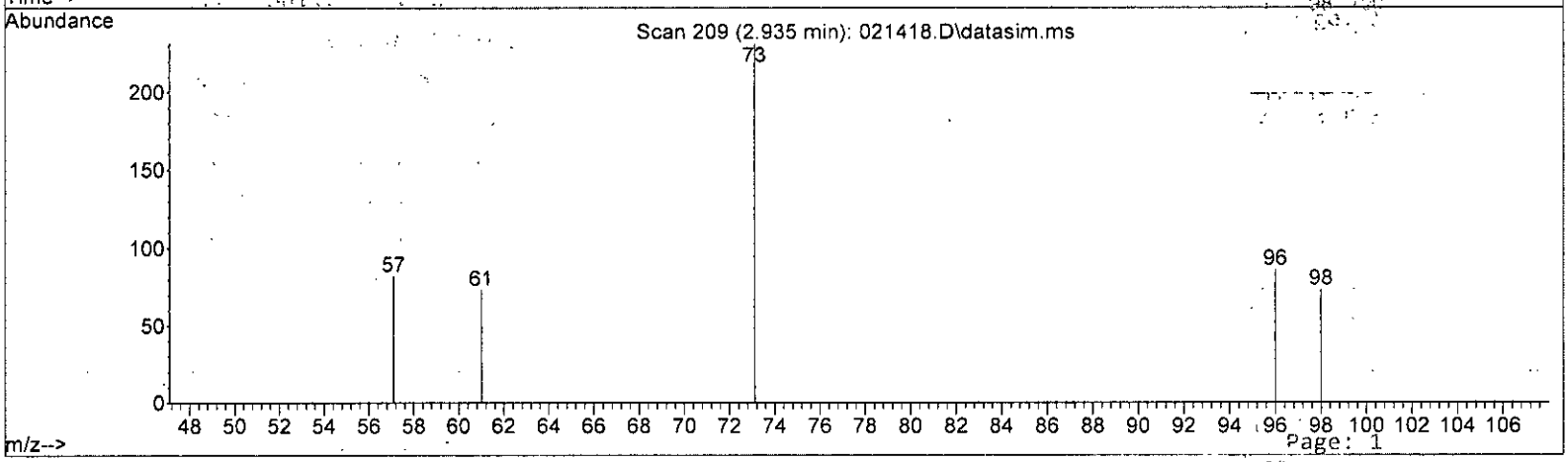
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.101 ppb m

response 355

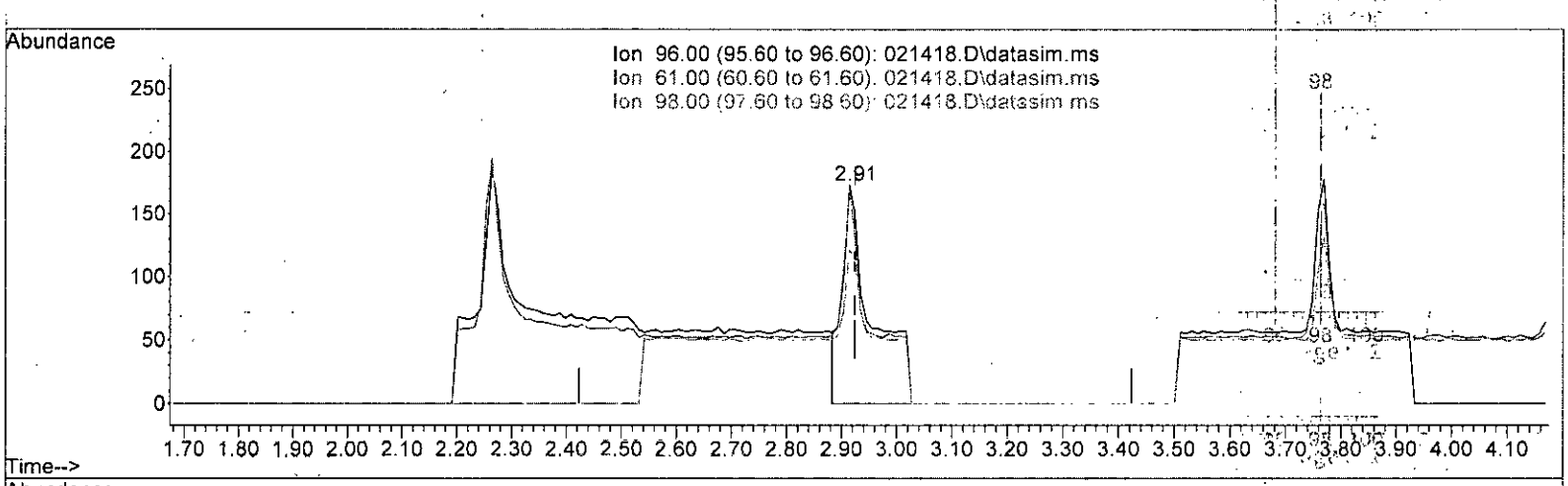
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	35.34
0.00	0.00	0.00
0.00	0.00	0.00

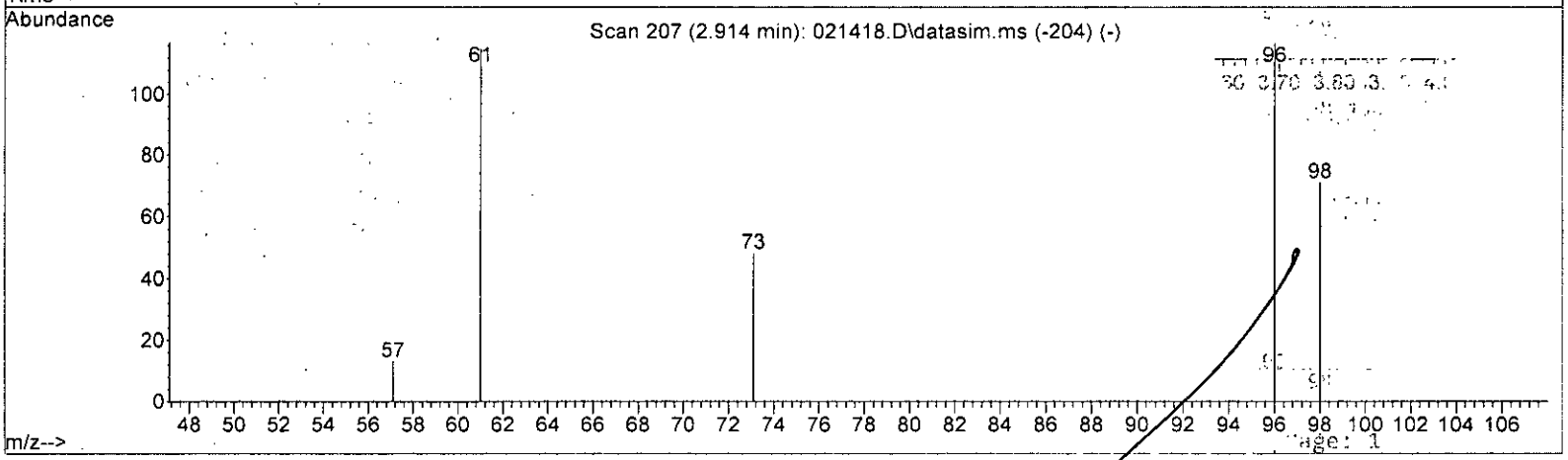
2/15

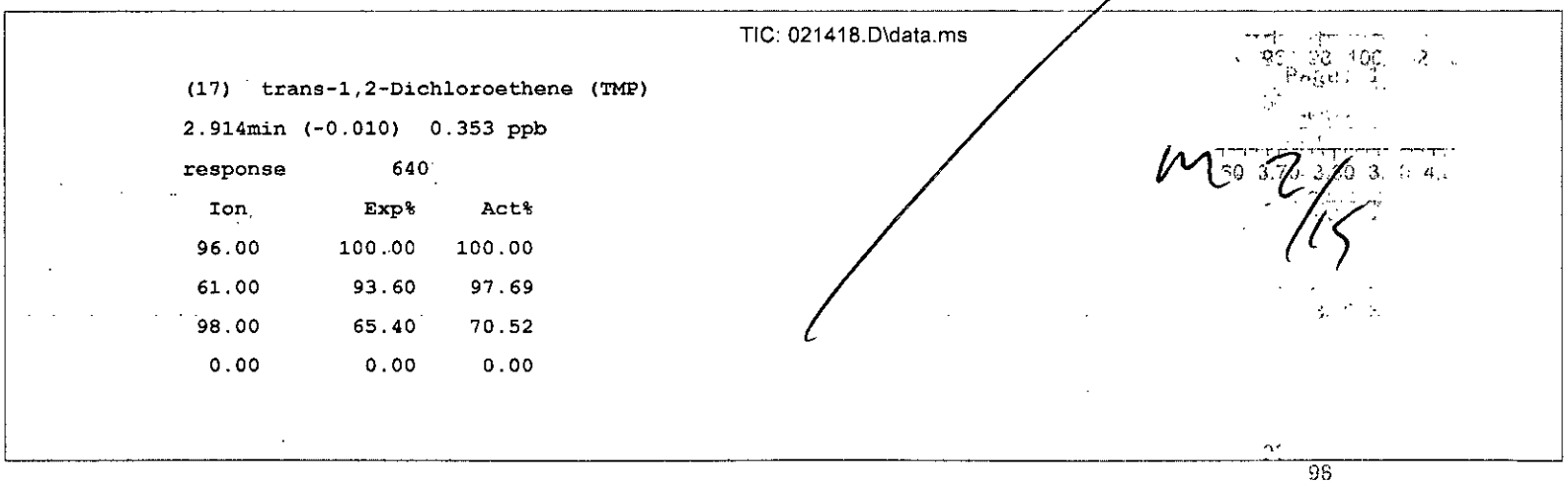
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.353 ppb

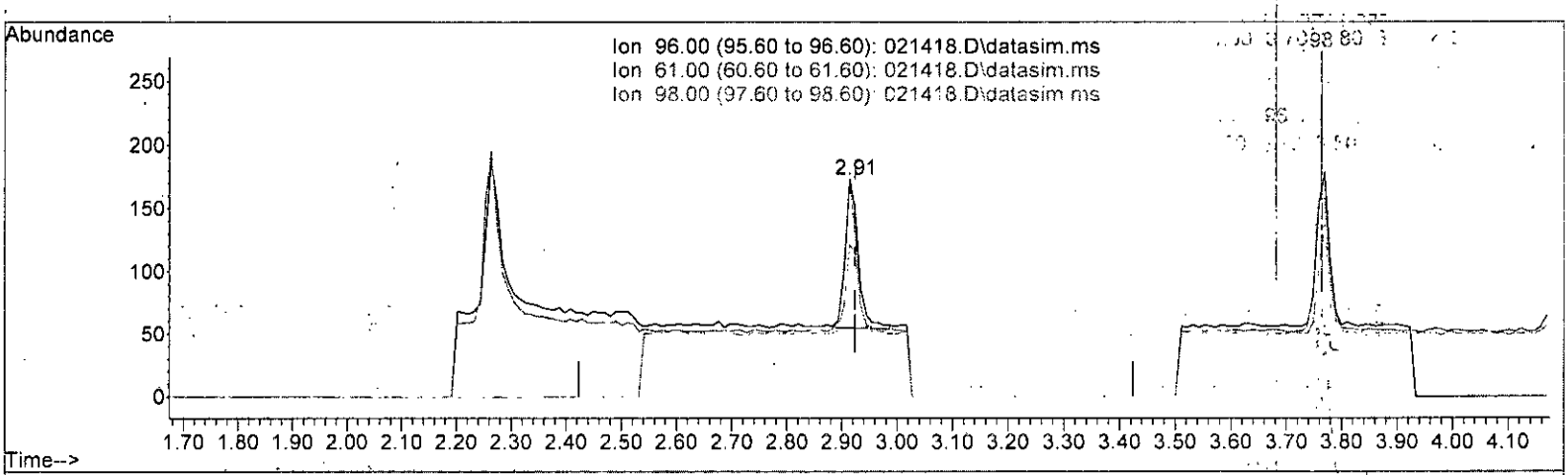
response 640

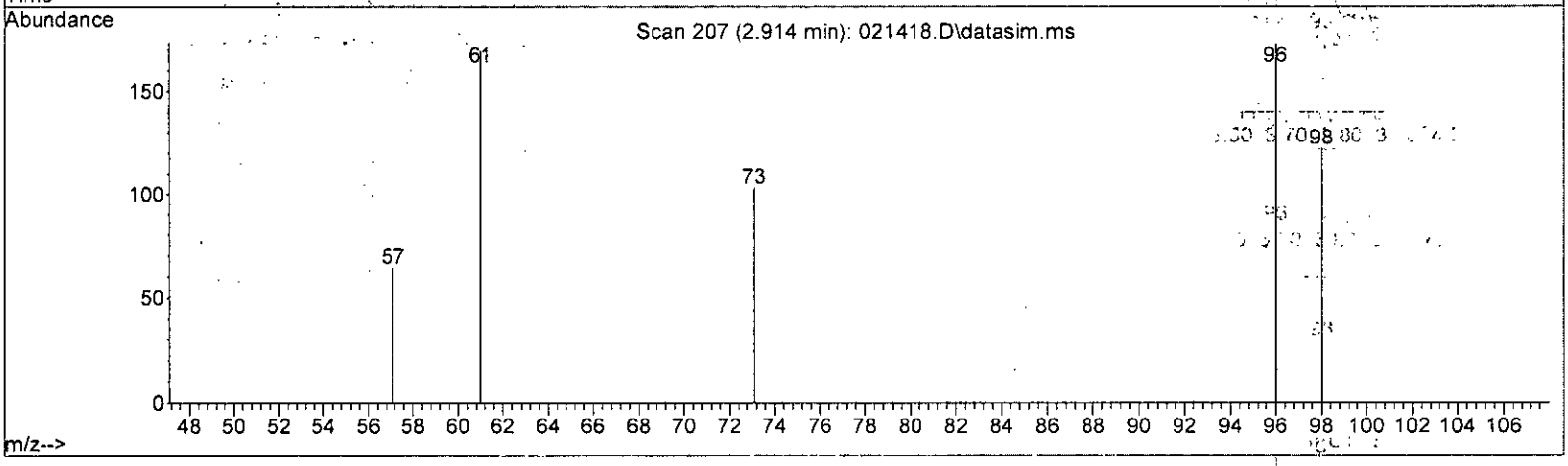
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.914min (-0.010) 0.109 ppb m

response 197

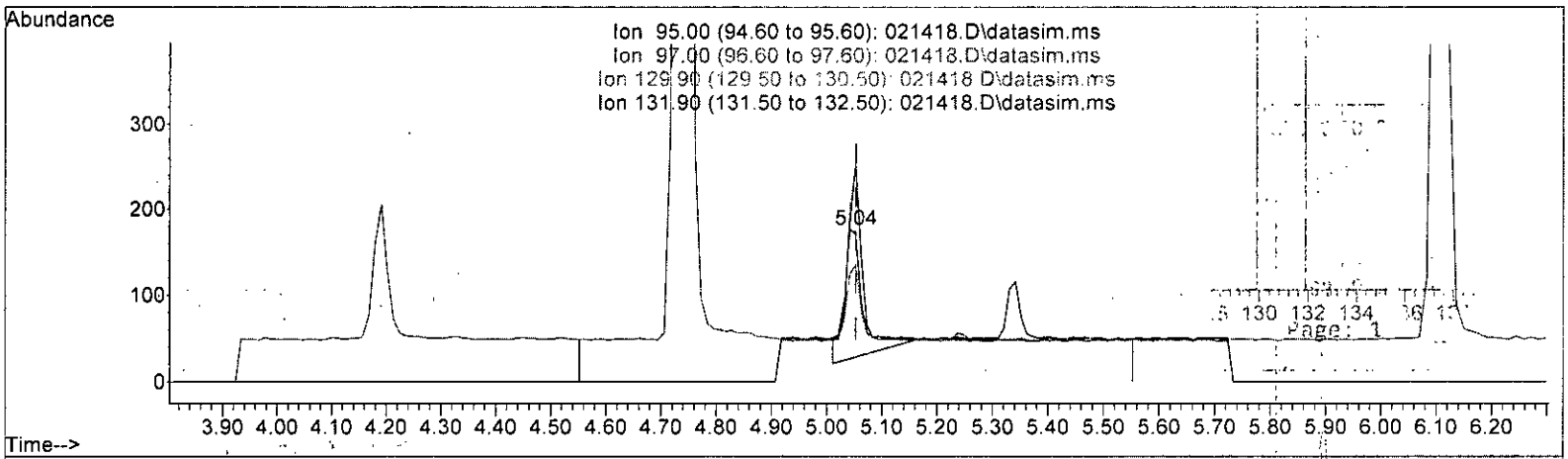
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	97.69
98.00	65.40	70.52
0.00	0.00	0.00

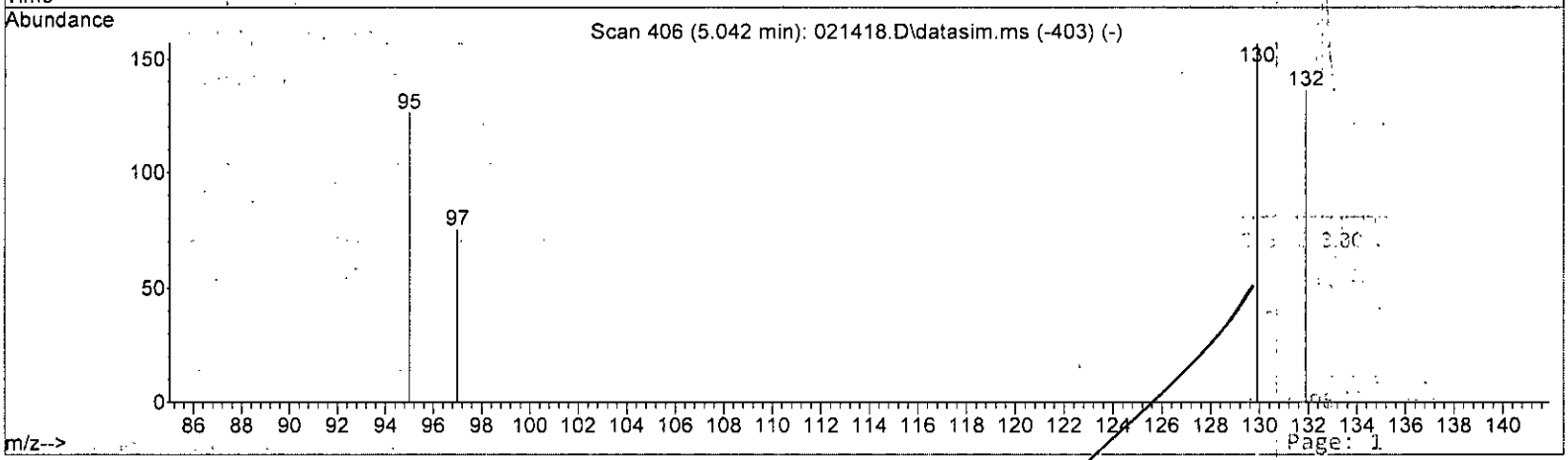
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

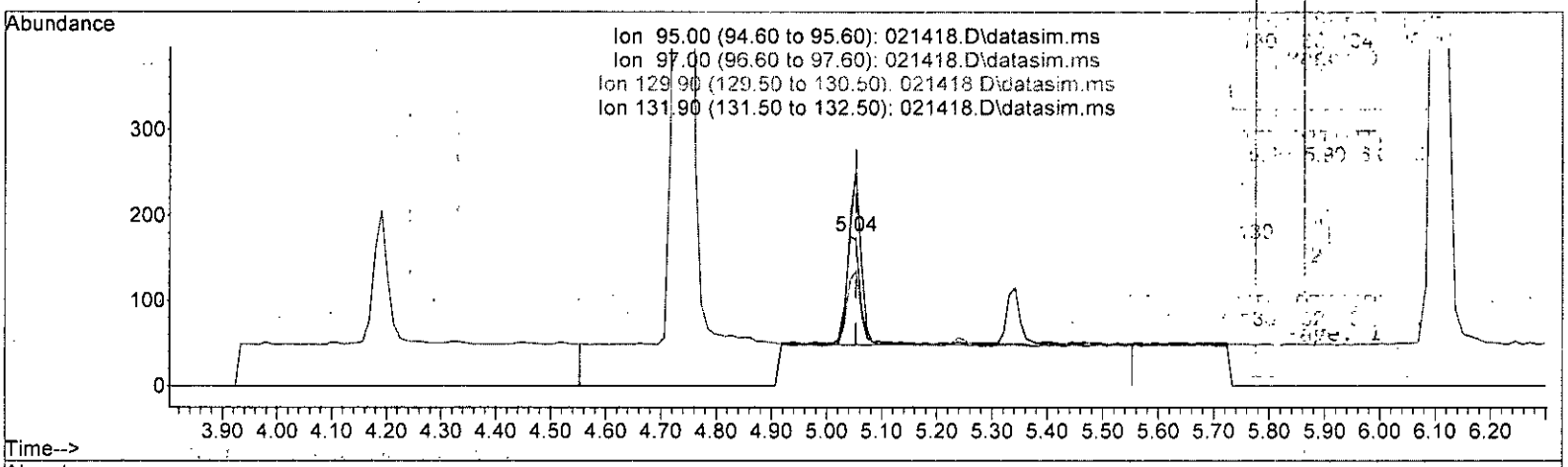
(32) Trichloroethene (TMP)
5.042min (-0.011) 0.163 ppb
response 350

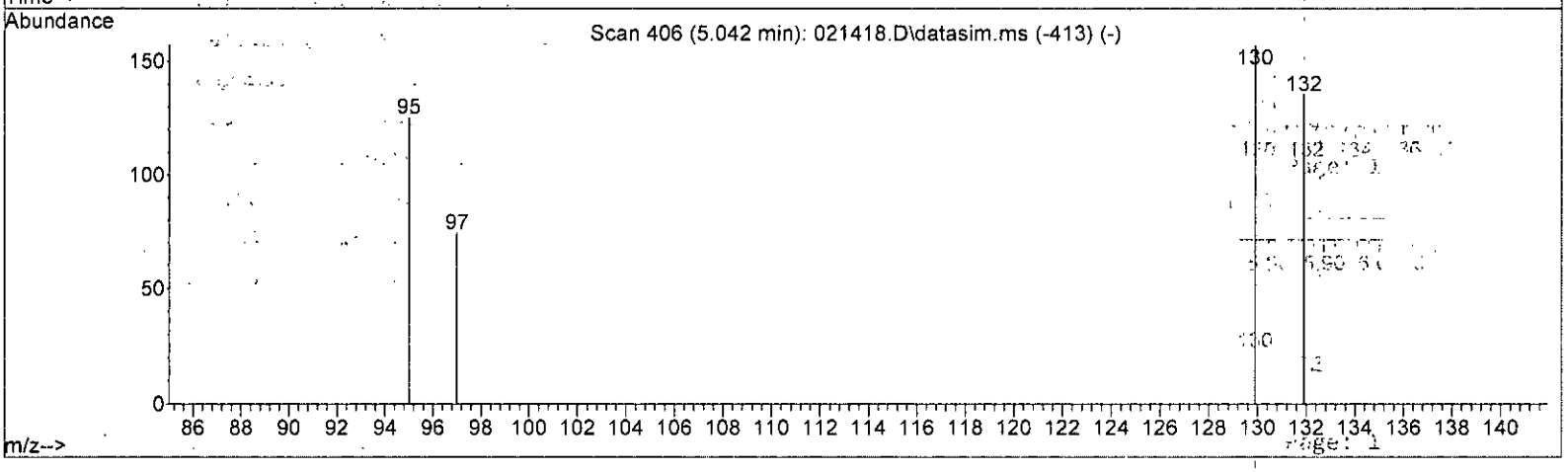
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	59.06
129.90	158.20	124.41#
131.90	155.20	107.09#

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021418.D\data.ms

(32) Trichloroethene (TMP)

5.042min (-0.011) 0.100 ppb m

response 223

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.45
129.90	158.20	116.48#
131.90	155.20	104.55#

m 2/15

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	63727	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	58408	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33364	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20119	10.111	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%			
30) 1,2-Dichloroethane-d4	4.45	102	3937	9.965	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 99.70%			
35) Toluene-d8	6.11	98	61256	10.323	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.20%			
57) 4-Bromofluorobenzene	8.51	95	20871	10.146	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6] Vinyl chloride	1.32	62	348m	0.105	ppb	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12] 1,1-Dichloroethene	2.26	96	279m	0.099	ppb	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16] Methyl t-butyl ether (...	2.93	73	355m	0.101	ppb	
17] trans-1,2-Dichloroethene	2.91	96	197m	0.109	ppb	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19] 1,1-Dichloroethane	3.27	63	211	0.101	ppb	91
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22] cis-1,2-Dichloroethene	3.77	96	193	0.100	ppb	92
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26] 1,2-Dichloroethane (EDC)	4.52	62	228	0.107	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	275	0.099	ppb	96
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31] Benzene	4.50	78	578	0.102	ppb	98
32] Trichloroethene	5.04	95	223m	0.100	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	5.47	83	149	0.137	ppb	77
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

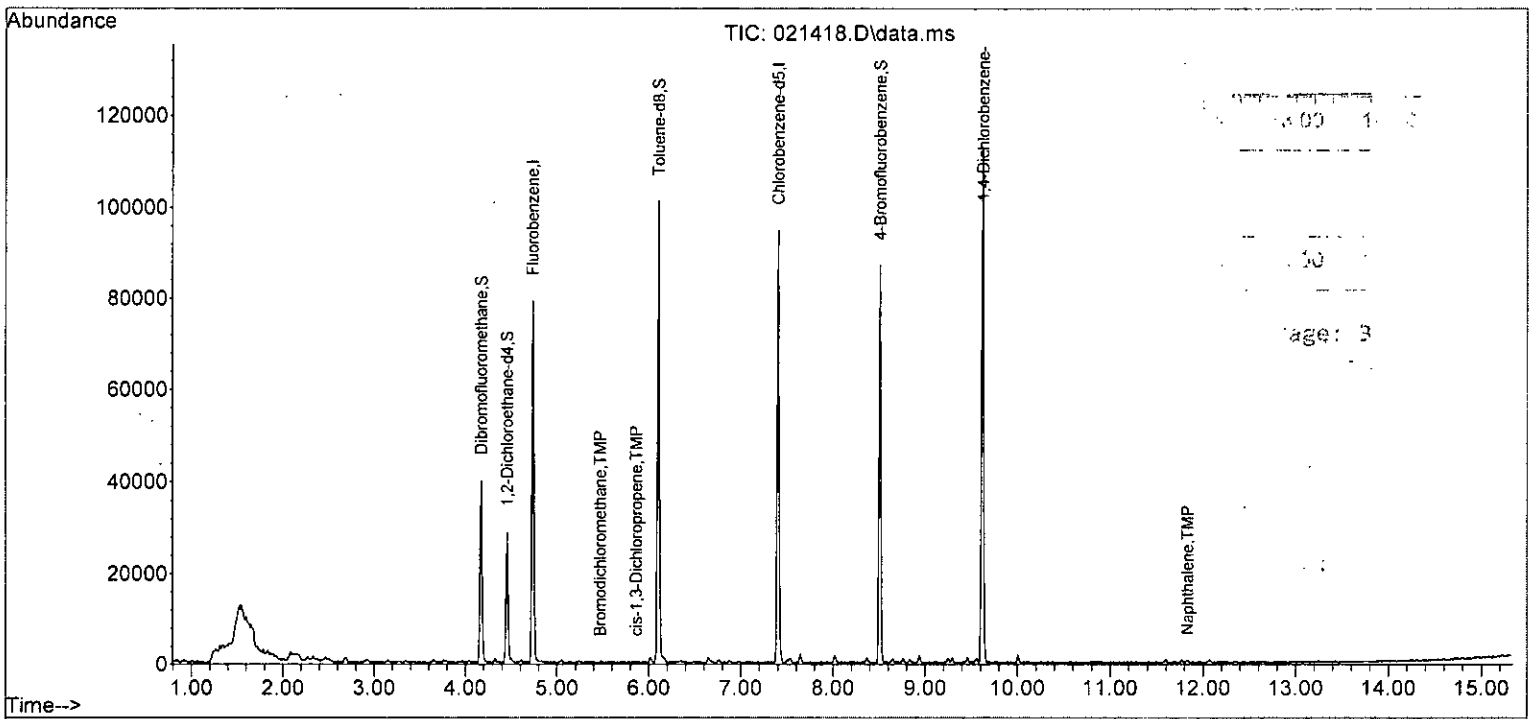
Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

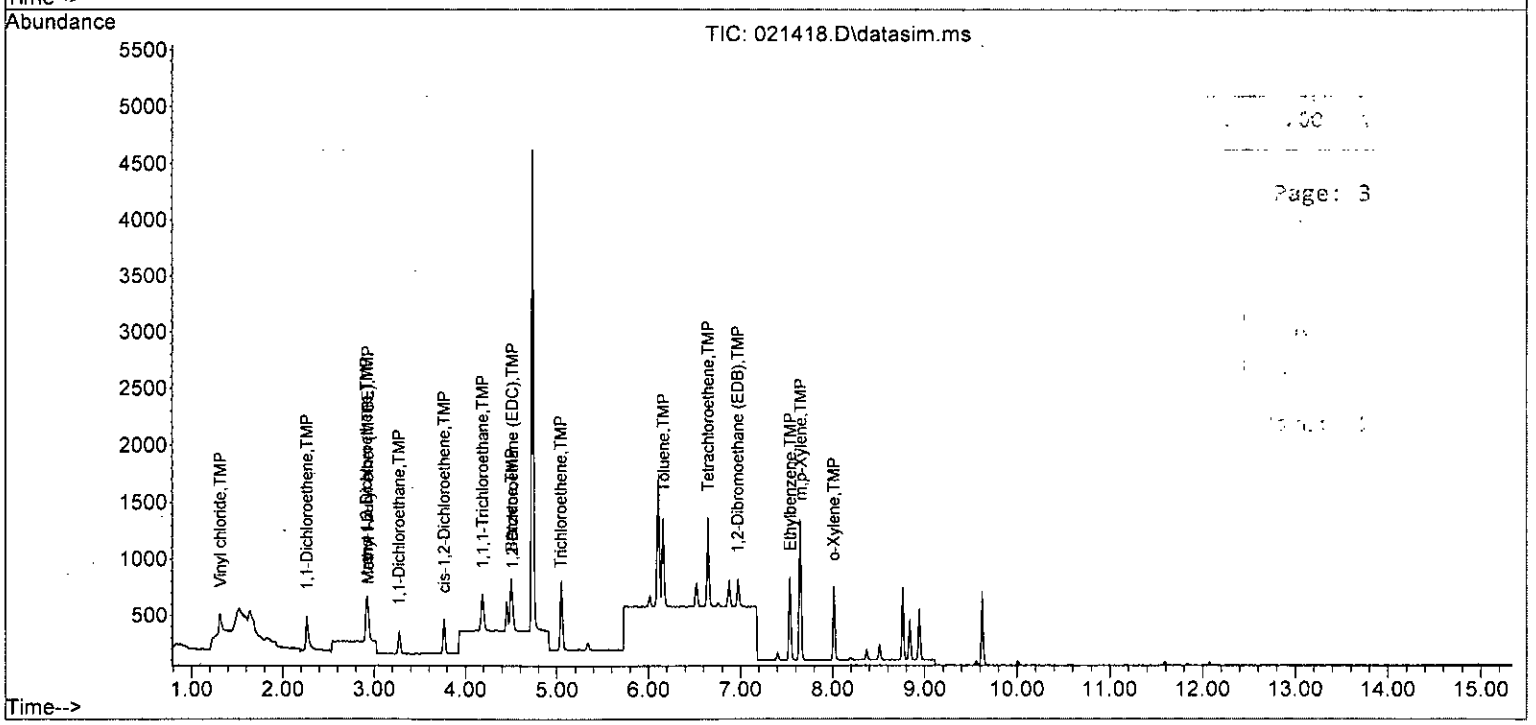
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D. d		
38) cis-1,3-Dichloropropene	5.86	75	203	0.129 ppb	#	33
40] Toluene	6.16	92	464	0.100 ppb		98
41) trans-1,3-Dichloropropene	0.00		0	N.D. d		
42) 1,1,2-Trichloroethane	0.00		0	N.D. d		
43) 2-Hexanone	0.00		0	N.D. d		
44) 1,3-Dichloropropane	0.00		0	N.D. d		
45] Tetrachloroethene	6.65	164	272	0.101 ppb		97
46) Dibromochloromethane	0.00		0	N.D. d		
47] 1,2-Dibromoethane (EDB)	6.97	107	187	0.097 ppb		99
48) Chlorobenzene	0.00		0	N.D. d		
49] Ethylbenzene	7.54	91	804	0.101 ppb		99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D. d		
51] m,p-Xylene	7.65	106	713	0.202 ppb		98
52] o-Xylene	8.01	106	334	0.099 ppb	#	72
53) Styrene	0.00		0	N.D. d		
54) Isopropylbenzene	0.00		0	N.D. d		
55) Bromoform	0.00		0	N.D. d		
58) n-Propylbenzene	0.00		0	N.D. d		
59) Bromobenzene	0.00		0	N.D. d		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D. d		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D. d		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D. d		
64) 4-Chlorotoluene	0.00		0	N.D. d		
65) tert-Butylbenzene	0.00		0	N.D. d		
66) 1,2,4-Trimethylbenzene	0.00		0	N.D. d		
67) sec-Butylbenzene	0.00		0	N.D. d		
68) p-Isopropyltoluene	0.00		0	N.D. d		
69) 1,3-Dichlorobenzene	0.00		0	N.D. d		
70) 1,4-Dichlorobenzene	0.00		0	N.D. d		
71) 1,2-Dichlorobenzene	0.00		0	N.D. d		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D. d		
74) Hexachlorobutadiene	0.00		0	N.D. d		
75) Naphthalene	11.83	128	647	0.121 ppb		84
76) 1,2,3-Trichlorobenzene	0.00		0	N.D. d		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
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Quant Time: Feb 15 10:27:32 2023
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Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.111	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.100	0.105	-5.0	102	-0.01
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.66#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.84#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.33#
12	TMP	1,1-Dichloroethene	0.100	0.099	1.0	98	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.101	-1.0	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.100	0.109	-9.0	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.35#
19	TMP	1,1-Dichloroethane	0.100	0.101	-1.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.66#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.100	0.100	0.0	100	0.00
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.107	-7.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.100	0.099	1.0	100	0.00
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.33#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.33#
30	S	1,2-Dichloroethane-d4	10.000	9.965	0.4	100	0.00
31	TMP	Benzene	0.100	0.102	-2.0	100	0.00
32	TMP	Trichloroethene	0.100	0.100	0.0	93	-0.01
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.100	0.137	-37.0#	100	-0.01
35	S	Toluene-d8	10.000	10.323	-3.2	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.100	0.129	-29.0#	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.100	0.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.53#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.097	3.0	100	0.00
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.100	0.101	-1.0	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.200	0.202	-1.0	100	0.00
52	TMP	o-Xylene	0.100	0.099	1.0	100	0.00
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.146	-1.5	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.24#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	0.100	0.121	-21.0#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.316	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.546	-2.6	102	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.000#	100.0#	0#	-1.66#
9	TMP	Trichlorofluoromethane	1.319	0.000#	100.0#	0#	-1.84#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	-2.33#
12	TMP	1,1-Dichloroethene	0.440	0.438	0.5	98	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.557	-0.9	98	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.309	-8.8	94	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.000#	100.0#	0#	-3.35#
19	TMP	1,1-Dichloroethane	0.327	0.331	-1.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.000#	100.0#	0#	-3.66#
21	TMP	2,2-Dichloropropane	0.235	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.302	0.303	-0.3	100	0.00
23	TMP	Chloroform	0.430	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.000#	100.0#	0#	-4.61#
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.358	-18.9	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.432	1.1	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.000#	100.0#	0#	-4.33#
29	TMP	Carbon tetrachloride	0.463	0.000#	100.0#	0#	-4.33#
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.907	-3.5	100	0.00
32	TMP	Trichloroethene	0.338	0.350	-3.6	93	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.300	0.234	22.0#	100	-0.01
35	S	Toluene-d8	0.931	0.961	-3.2	100	0.00
36	TMP	Dibromomethane	0.171	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.319	-3.2	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.794	-3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.203	0.000#	100.0#	0#	-6.53#
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021418.D
Acq On : 14 Feb 2023 05:37 pm
Operator : lm
Sample : 0.1 ppb 8260 CCV 68-127H
Misc : Soil/water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:27:32 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:27:29 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

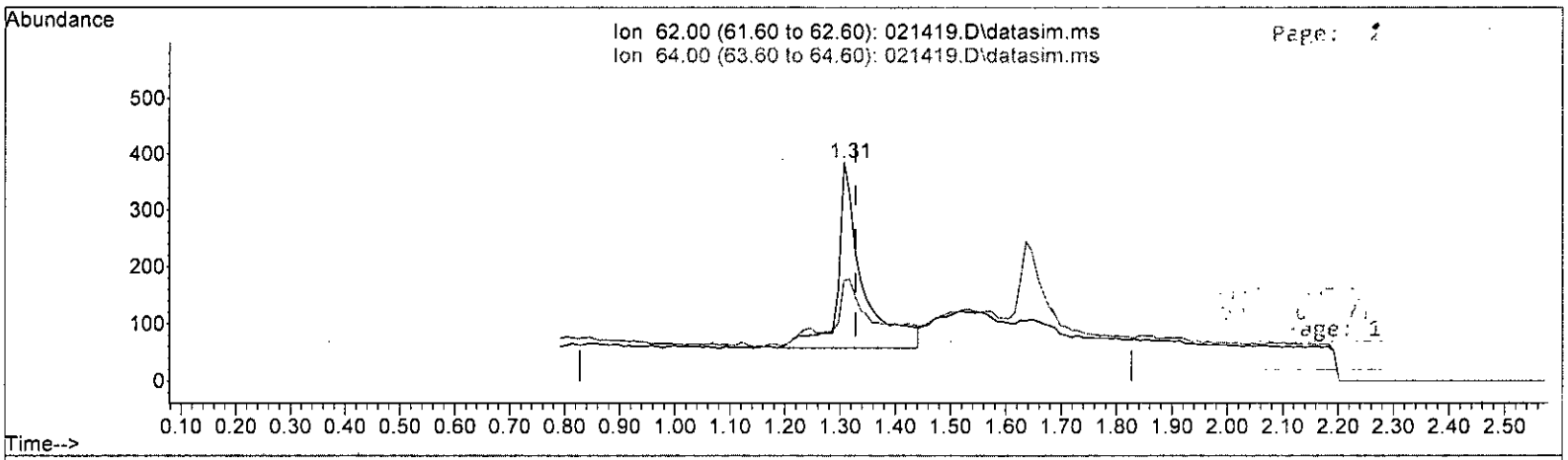
		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.452	0.466	-3.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.320	3.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.331	1.377	-3.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.590	0.610	-3.4	100	0.00
52	TMP	o-Xylene	0.566	0.572	-1.1	100	0.00
53	TMP	Styrene	0.855	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.393	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.295	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.626	-1.5	100	0.00
58	TMP	n-Propylbenzene	2.371	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.857	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.946	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.365	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.399	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.606	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.054	0.000#	100.0#	0#	-9.24#
66	TMP	1,2,4-Trimethylbenzene	1.991	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.531	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.494	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.534	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.474	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.452	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.600	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	1.920	1.939	-1.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.000#	100.0#	0#	-12.07#

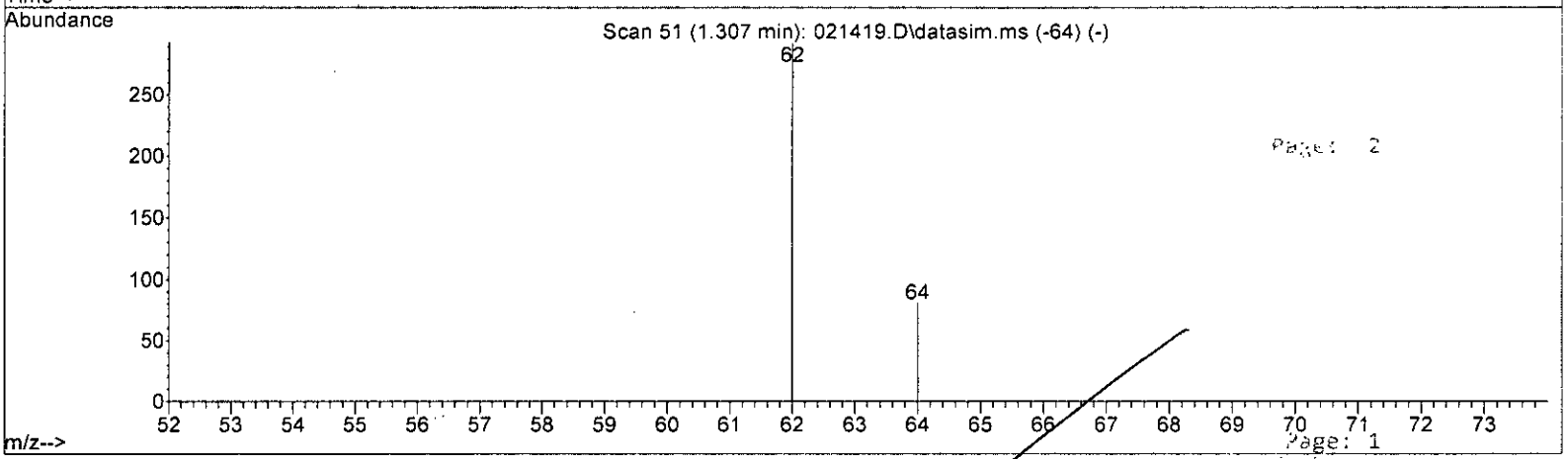
(#) = Out of Range SPCC's out = 49 CCC's out = 0

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.277 ppb

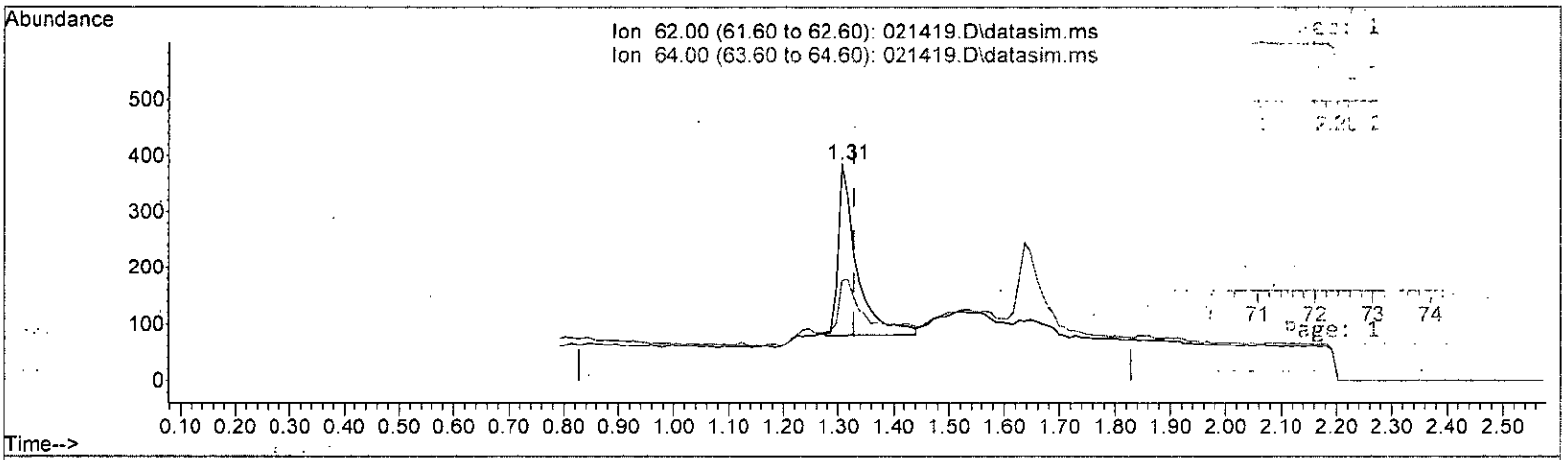
response 1013

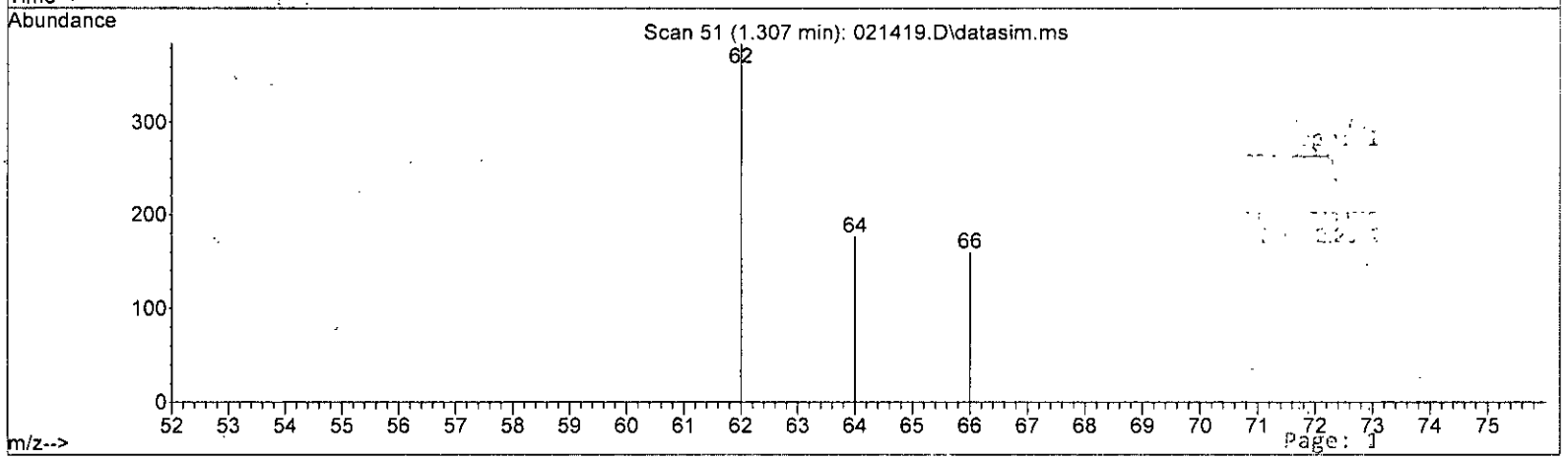
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	34.25
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.021) 0.191 ppb m

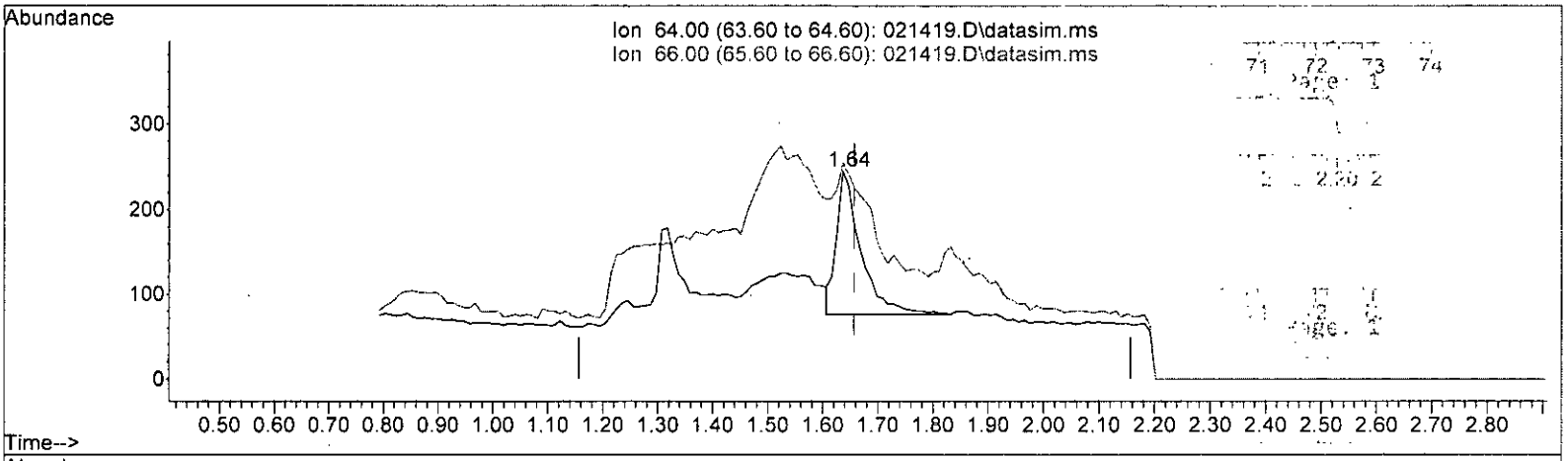
response 693

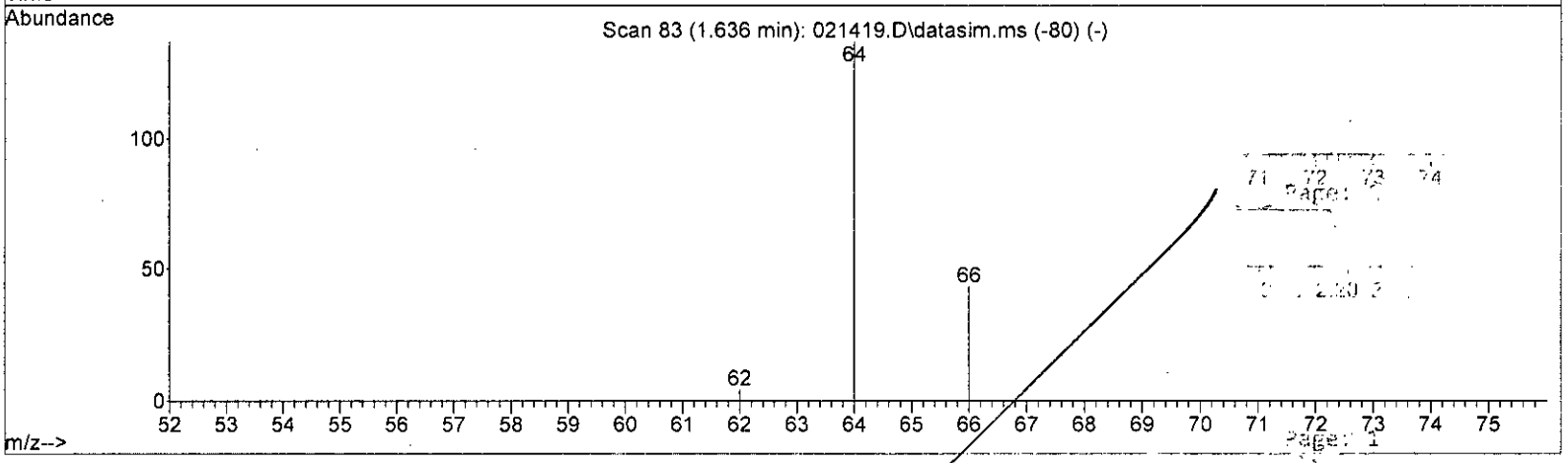
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	45.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.405 ppb

response 522

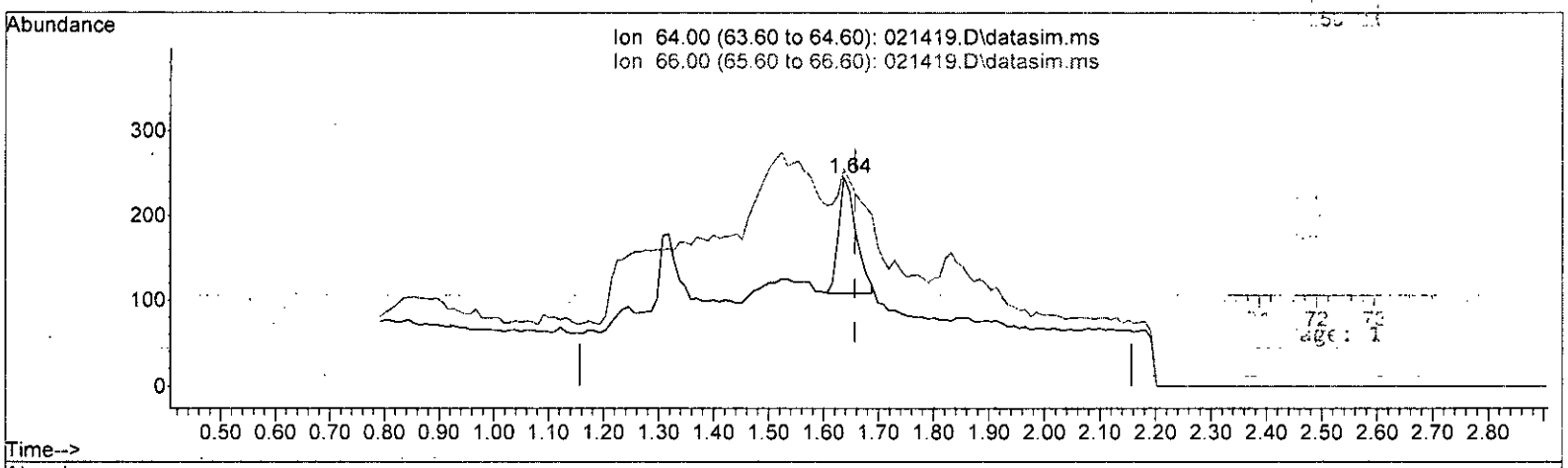
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	58.58
0.00	0.00	0.00
0.00	0.00	0.00

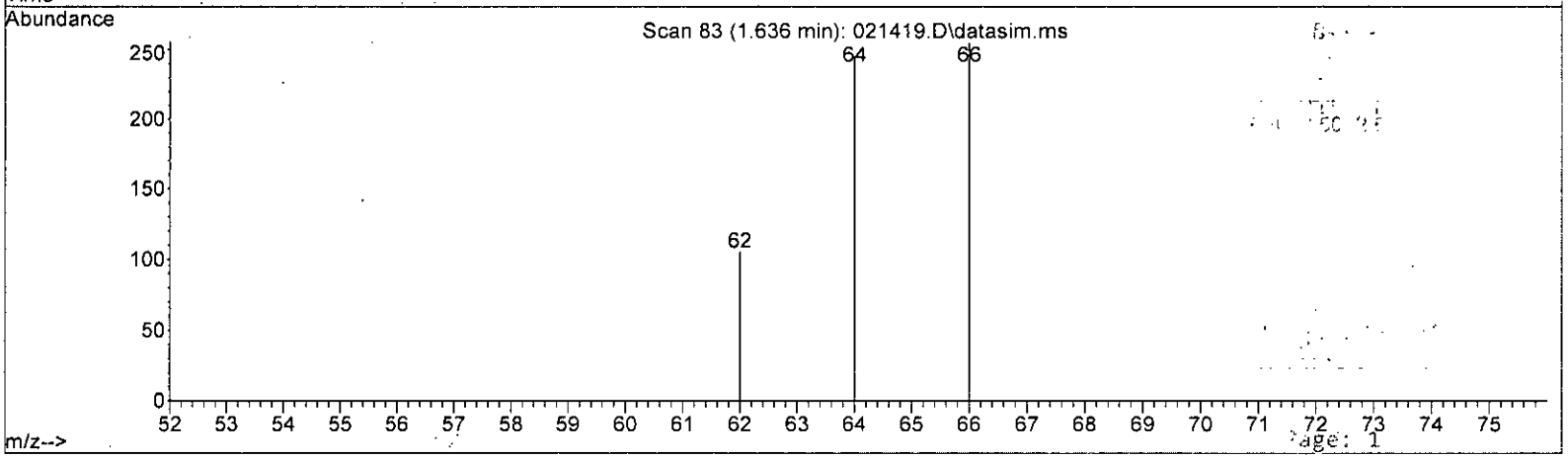
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(8) Chloroethane (TMP)

1.636min (-0.021) 0.287 ppb m

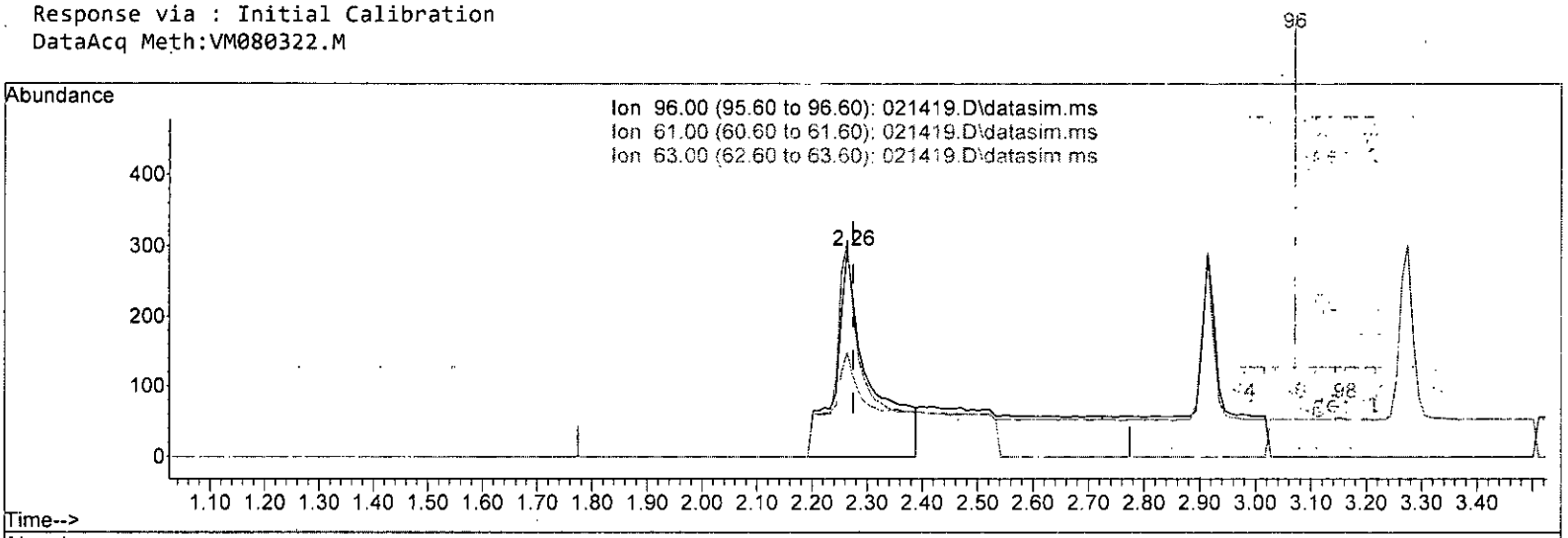
response 303

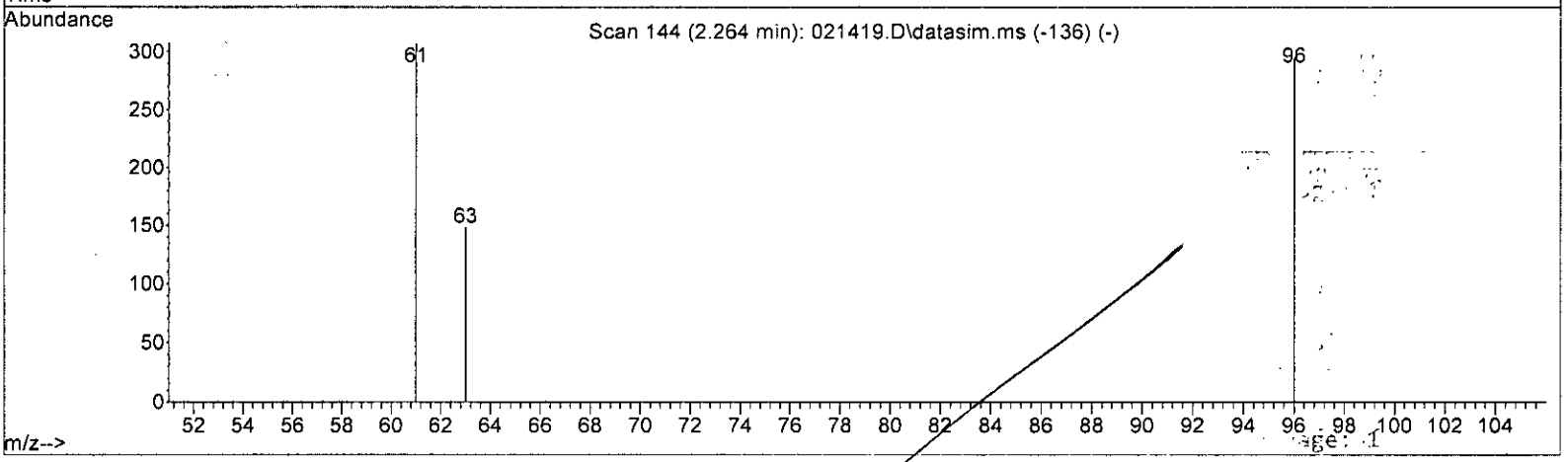
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	104.08#
0.00	0.00	0.00
0.00	0.00	0.00

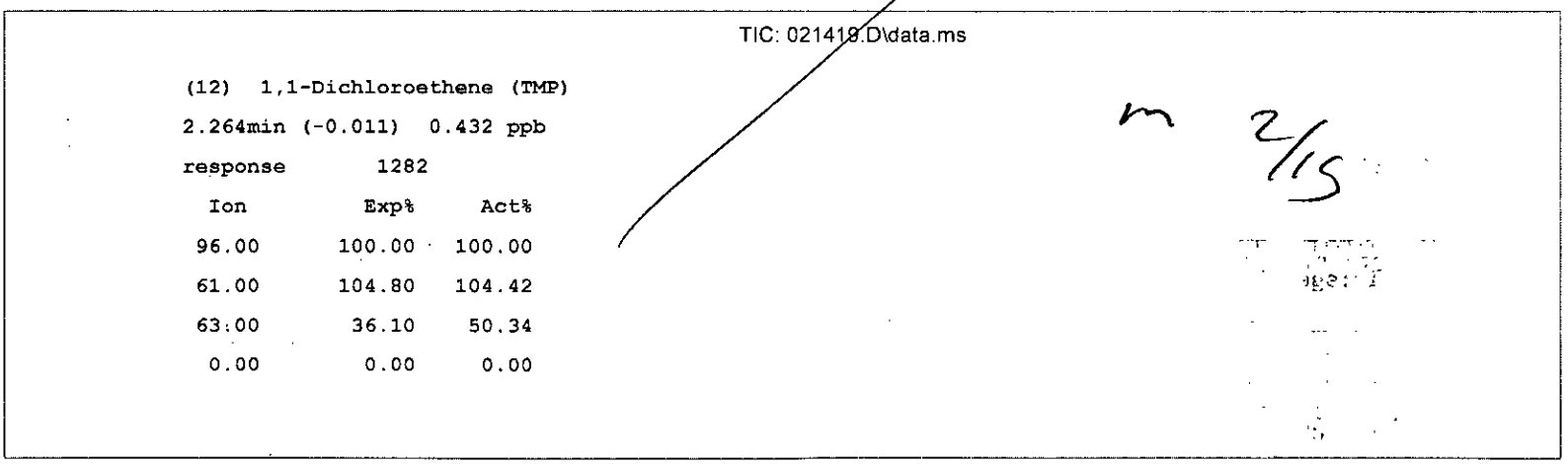
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 0.432 ppb
response 1282

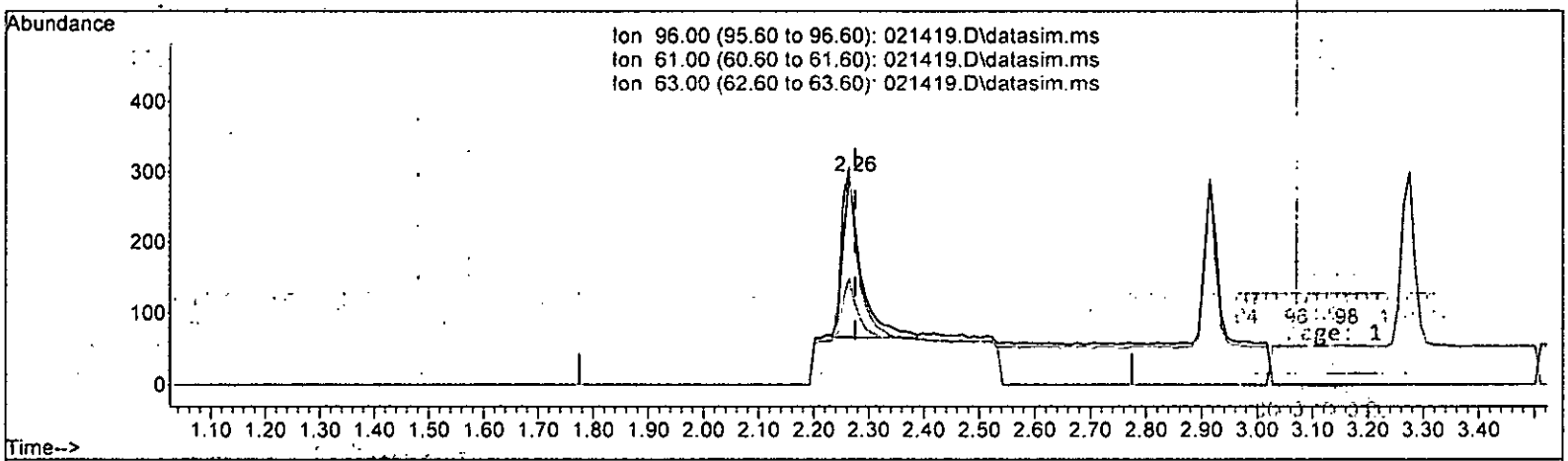
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

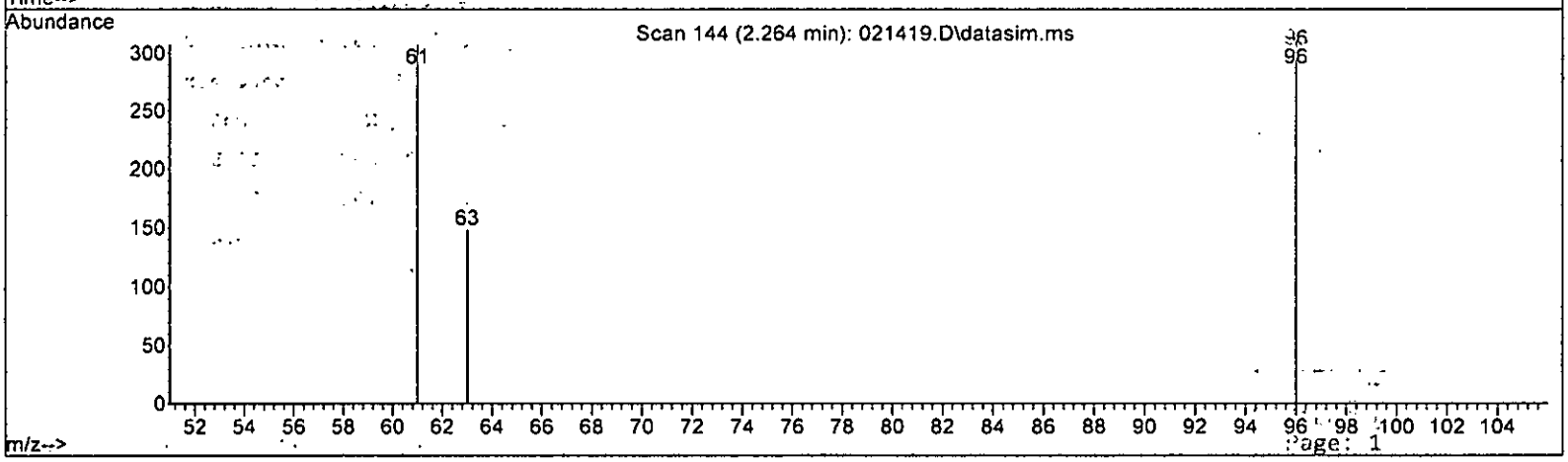
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 0.171 ppb m

response 509

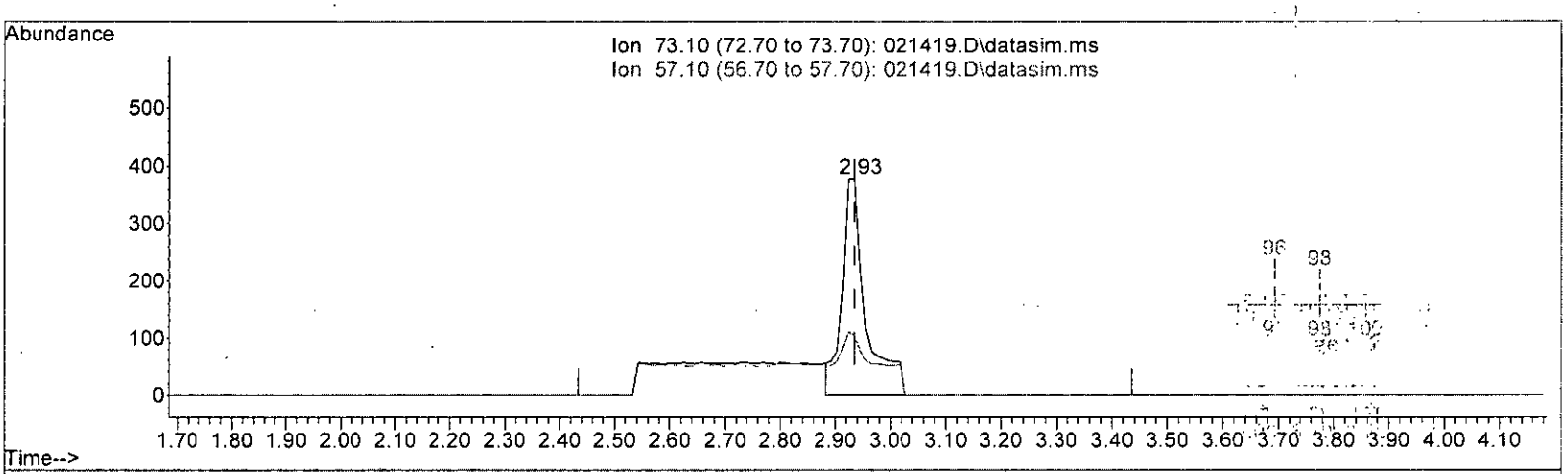
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	104.42
63.00	36.10	50.34
0.00	0.00	0.00

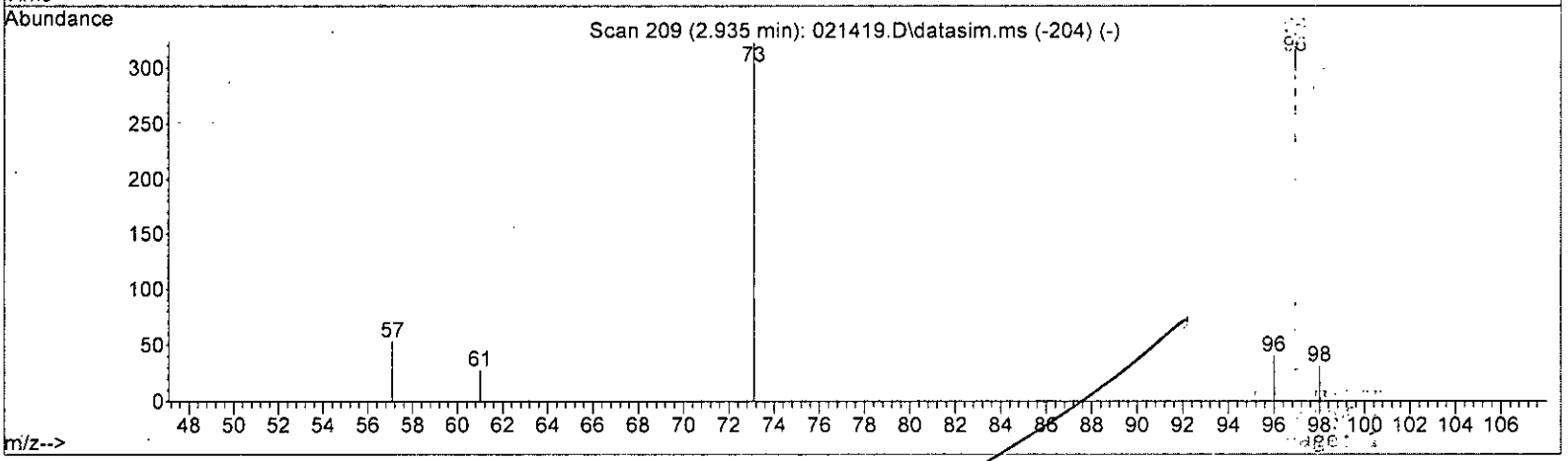
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021419.D\data.ms

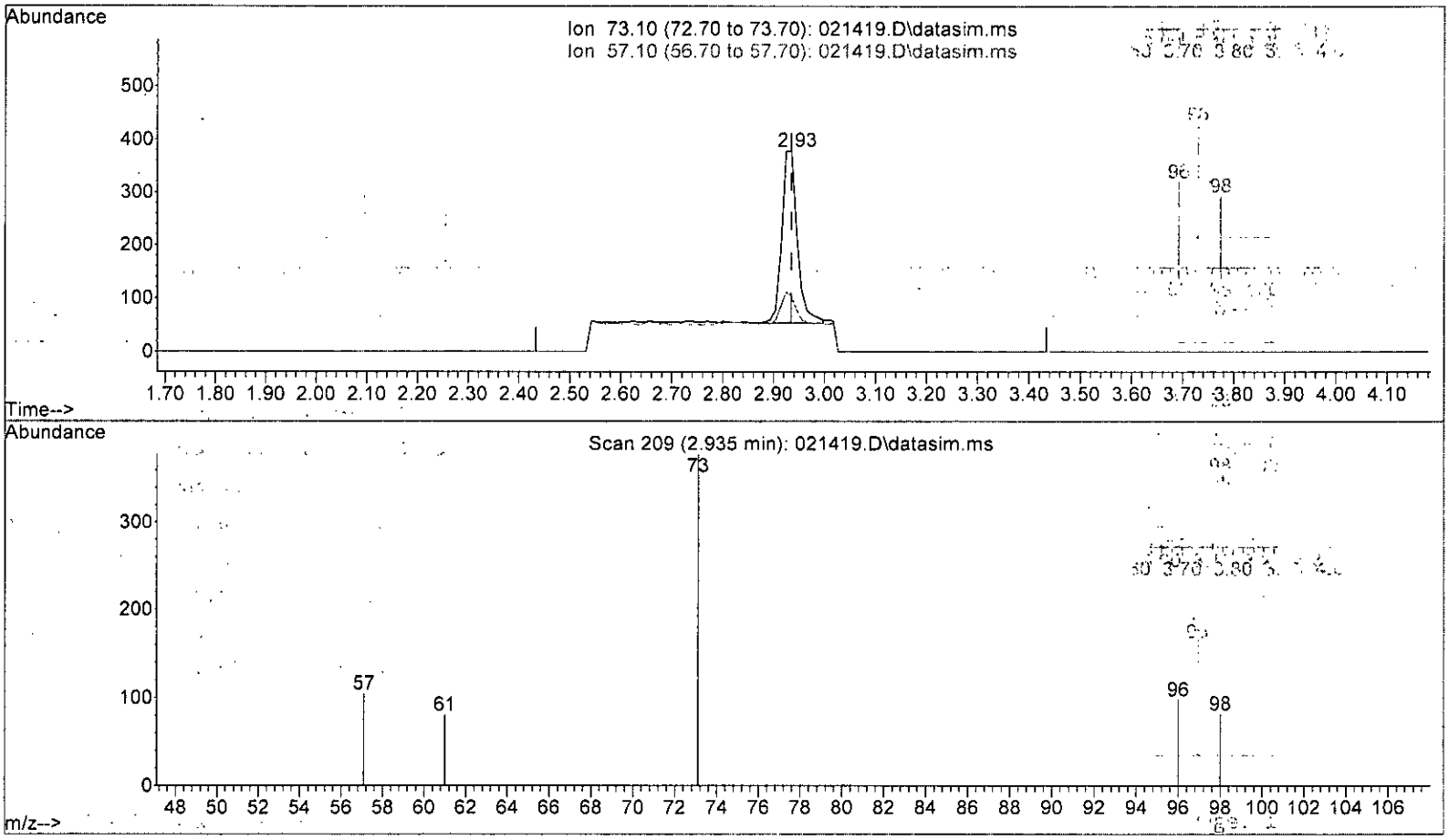
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.299 ppb
response 1114

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (-0.000) 0.183 ppb m

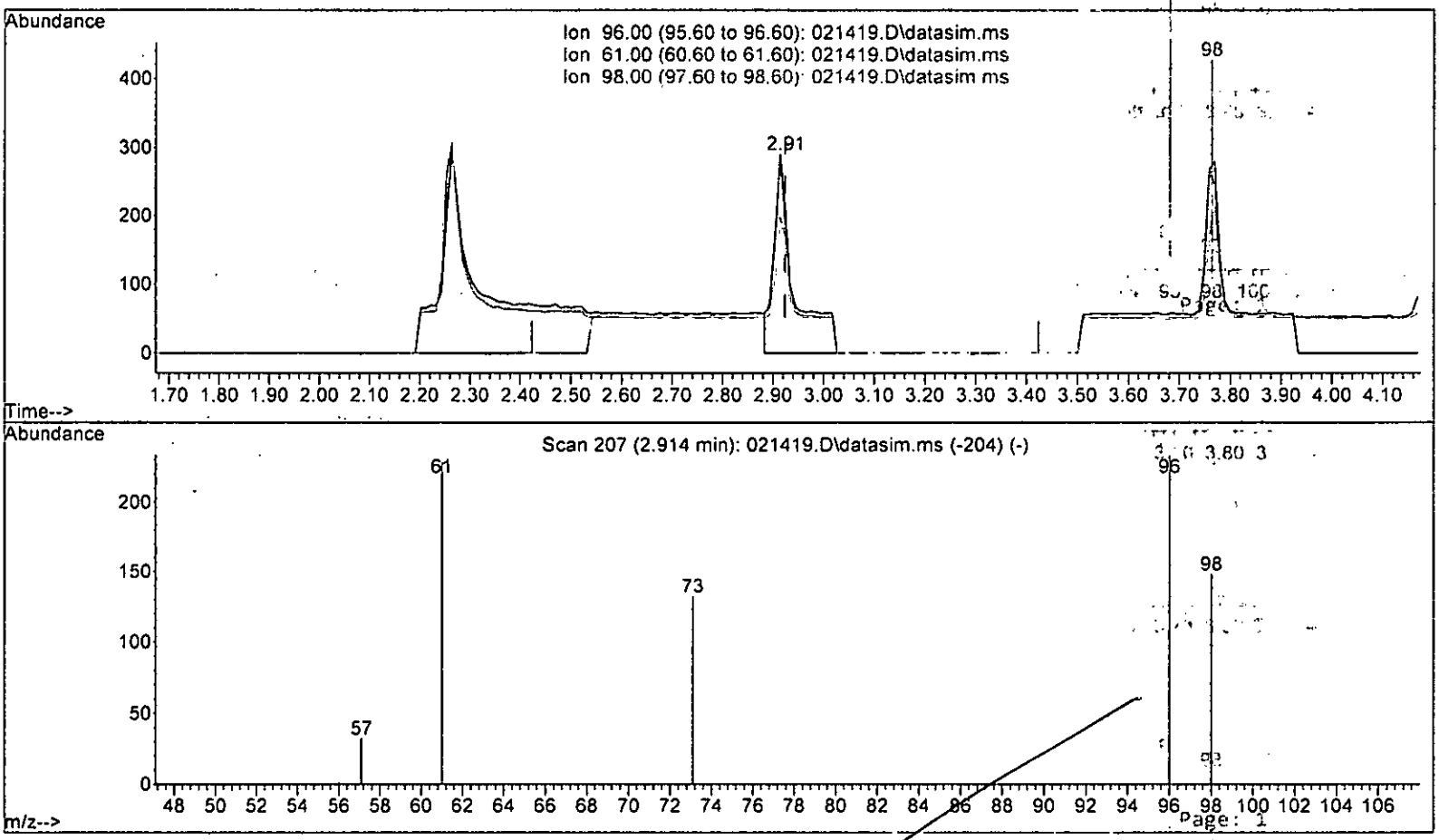
response 682

Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	27.51
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

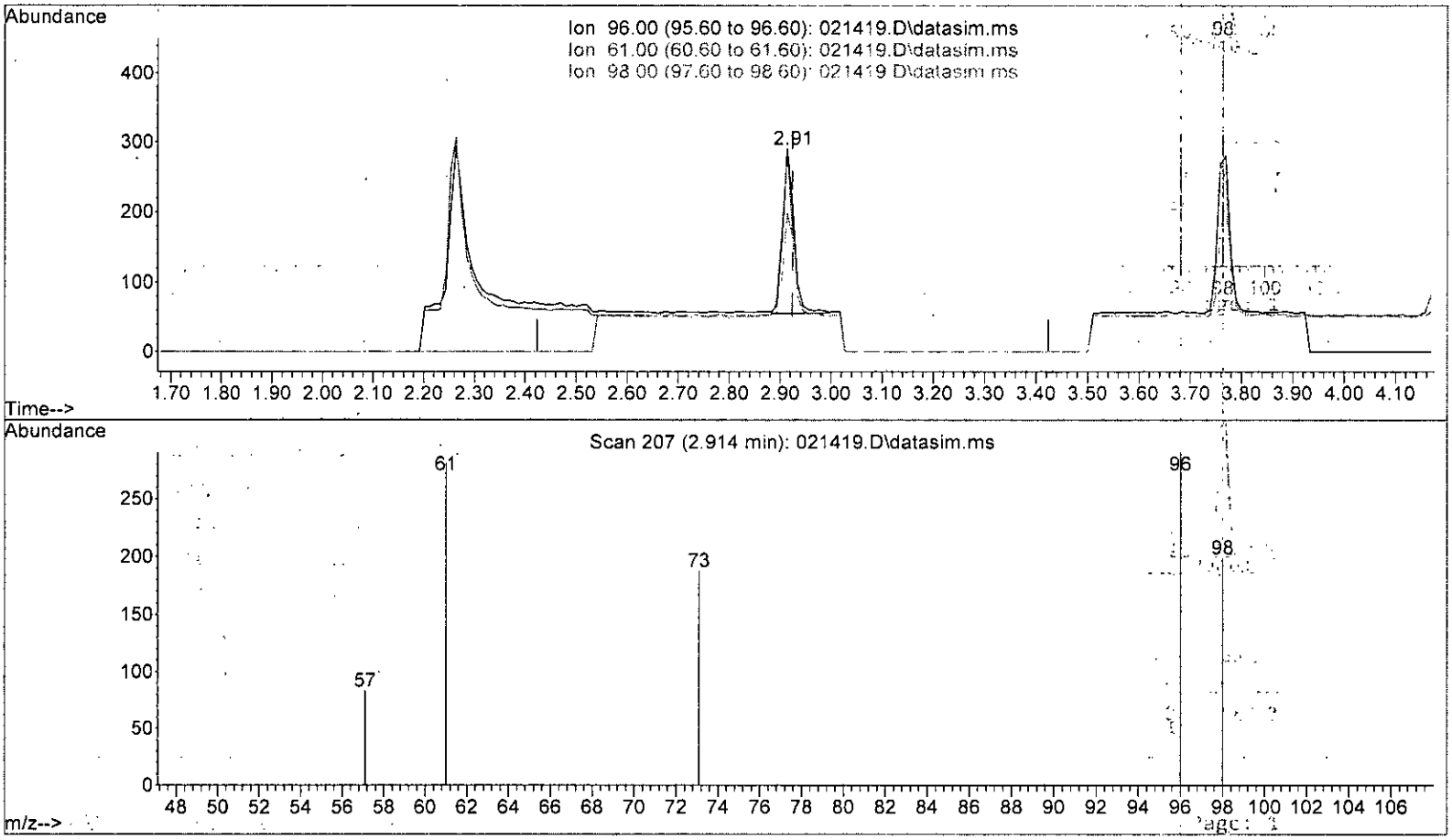
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.420 ppb
response 805

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021419.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 0.185 ppb m
response 355

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	96.90
98.00	65.40	68.28
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.655	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.200	0.191	4.5	103	-0.02
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.200	0.287	-43.5#	100	-0.02
9	TMP	Trichlorofluoromethane	0.200	0.156	22.0#	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	-1.000	0.0	0	0.02
12	TMP	1,1-Dichloroethene	0.200	0.171	14.5	96	-0.01
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.183	8.5	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.200	0.185	7.5	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.200	0.182	9.0	100	0.00
19	TMP	1,1-Dichloroethane	0.200	0.188	6.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.235	-17.5	100	-0.01
21	TMP	2,2-Dichloropropane	0.200	0.261	-30.5#	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.200	0.184	8.0	100	0.00
23	TMP	Chloroform	0.200	0.207	-3.5	100	0.00
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.186	7.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.188	6.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.200	0.183	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.200	0.206	-3.0	100	-0.01
29	TMP	Carbon tetrachloride	0.200	0.285	-42.5#	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.309	6.9	100	0.00
31	TMP	Benzene	0.200	0.189	5.5	100	0.00
32	TMP	Trichloroethene	0.200	0.182	9.0	100	-0.01
33	TMP	1,2-Dichloropropane	0.200	0.167	16.5	100	0.00
34	TMP	Bromodichloromethane	0.200	0.217	-8.5	100	0.00
35	S	Toluene-d8	10.000	9.365	6.3	100	0.00
36	TMP	Dibromomethane	0.200	0.174	13.0	100	0.00
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.200	0.172	14.0	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.196	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.200	0.190	5.0	100	0.00
42	TMP	1,1,2-Trichloroethane	0.200	0.200	0.0	100	-0.01
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.199	0.5	100	0.00
45	TMP	Tetrachloroethene	0.200	0.201	-0.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.188	6.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.200	0.0	100	0.00
48	TMP	Chlorobenzene	0.200	0.188	6.0	100	0.00
49	TMP	Ethylbenzene	0.200	0.197	1.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.196	2.0	100	0.00
51	TMP	m,p-Xylene	0.400	0.396	1.0	100	0.00
52	TMP	o-Xylene	0.200	0.201	-0.5	100	0.00
53	TMP	Styrene	0.200	0.199	0.5	100	0.00
54	TMP	Isopropylbenzene	0.200	0.213	-6.5	100	0.00
55	TMP	Bromoform	0.200	0.182	9.0	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.120	-1.2	100	0.00
58	TMP	n-Propylbenzene	0.200	0.207	-3.5	100	0.00
59	TMP	Bromobenzene	0.200	0.224	-12.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.200	0.200	0.0	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.208	-4.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.200	0.168	16.0	100	0.00
63	TMP	2-Chlorotoluene	0.200	0.165	17.5	100	0.00
64	TMP	4-Chlorotoluene	0.200	0.233	-16.5	100	0.00
65	TMP	tert-Butylbenzene	0.200	0.218	-9.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.200	0.189	5.5	100	0.00
67	TMP	sec-Butylbenzene	0.200	0.192	4.0	100	0.00
68	TMP	p-Isopropyltoluene	0.200	0.195	2.5	100	0.00
69	TMP	1,3-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
70	TMP	1,4-Dichlorobenzene	0.200	0.212	-6.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.200	0.201	-0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.200	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.178	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.200	0.211	-5.5	100	0.00
75	TMP	Naphthalene	0.200	0.205	-2.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.200	0.195	2.5	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.301	3.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.514	3.4	103	-0.02
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.225	8.9	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.029	22.0#	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.000#	100.0#	0#	0.02
12	TMP	1,1-Dichloroethene	0.440	0.377	14.3	96	-0.01
13	TMP	Hexane	0.231	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.506	8.3	97	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.263	7.4	92	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.438#	8.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.307	6.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.178	31.0#	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.223	5.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.278	7.9	100	0.00
23	TMP	Chloroform	0.430	0.446	-3.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.000#	100.0#	0#	-3.79#
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.481#	6.8	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.293	2.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.399	8.7	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.303	-3.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.380	17.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.058	6.5	100	0.00
31	TMP	Benzene	0.876	0.819	6.5	100	0.00
32	TMP	Trichloroethene	0.338	0.304	10.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.145	16.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.251	16.3	100	0.00
35	S	Toluene-d8	0.931	0.872	6.3	100	0.00
36	TMP	Dibromomethane	0.171	0.149	12.9	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.309	0.224	27.5#	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.734	3.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.449	0.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.410	6.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.330	0.3	100	0.00
48	TMP	Chlorobenzene	0.967	0.907	6.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.298	2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.382	2.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.849	0.7	100	0.00
54	TMP	Isopropylbenzene	1.393	1.481	-6.3	100	0.00
55	TMP	Bromoform	0.295	0.268	9.2	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.458	-3.7	100	0.00
59	TMP	Bromobenzene	0.857	0.958	-11.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.948	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.423#	10.6	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.307#	15.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.494	-6.8	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.870	-16.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.234	-8.8	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.878	5.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.432	3.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.428	2.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.630	-6.3	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.566	-6.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.456	-0.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.965	0.859	11.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.634	-5.7	100	0.00
75	TMP	Naphthalene	1.920	1.714	10.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.695	19.2	100	0.00

(#) = Out of Range SPCC's out = 16 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	67422	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	56491	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32724	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20326	9.655	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 96.60%				
30) 1,2-Dichloroethane-d4	4.45	102	3891	9.309	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 93.10%				
35) Toluene-d8	6.11	98	58793	9.365	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 93.70%				
57) 4-Bromofluorobenzene	8.51	95	20418	10.120	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.20%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.	d		
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.31	62	693m	0.191	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.64	64	303m	0.287	ppb		
9) Trichlorofluoromethane	1.84	101	1388	0.156	ppb		99
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.35	58	37	Below Cal	#		1
12] 1,1-Dichloroethene	2.26	96	509m	0.171	ppb		
13) Hexane	0.00		0	N.D.	d		
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	682m	0.183	ppb		
17] trans-1,2-Dichloroethene	2.91	96	355m	0.185	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	590	0.182	ppb		82
19] 1,1-Dichloroethane	3.27	63	414	0.188	ppb		89
20) Ethyl t-butyl ether (E...	3.65	87	240	0.235	ppb		96
21) 2,2-Dichloropropane	3.76	77	301	0.261	ppb		45
22] cis-1,2-Dichloroethene	3.77	96	375	0.184	ppb		88
23) Chloroform	4.04	83	601	0.207	ppb		88
24) 2-Butanone (MEK)	0.00		0	N.D.	d		
25) t-Amyl methyl ether (T...	4.60	73	649	0.186	ppb		86
26] 1,2-Dichloroethane (EDC)	4.52	62	395	0.188	ppb		93
27] 1,1,1-Trichloroethane	4.19	97	538	0.183	ppb		95
28) 1,1-Dichloropropene	4.32	75	408	0.206	ppb		79
29) Carbon tetrachloride	4.32	117	513	0.285	ppb		75
31] Benzene	4.50	78	1105	0.189	ppb		98
32] Trichloroethene	5.04	95	410	0.182	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	195	0.167	ppb	#	80
34) Bromodichloromethane	5.48	83	339	0.217	ppb		87
36) Dibromomethane	5.34	93	201	0.174	ppb	#	56

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

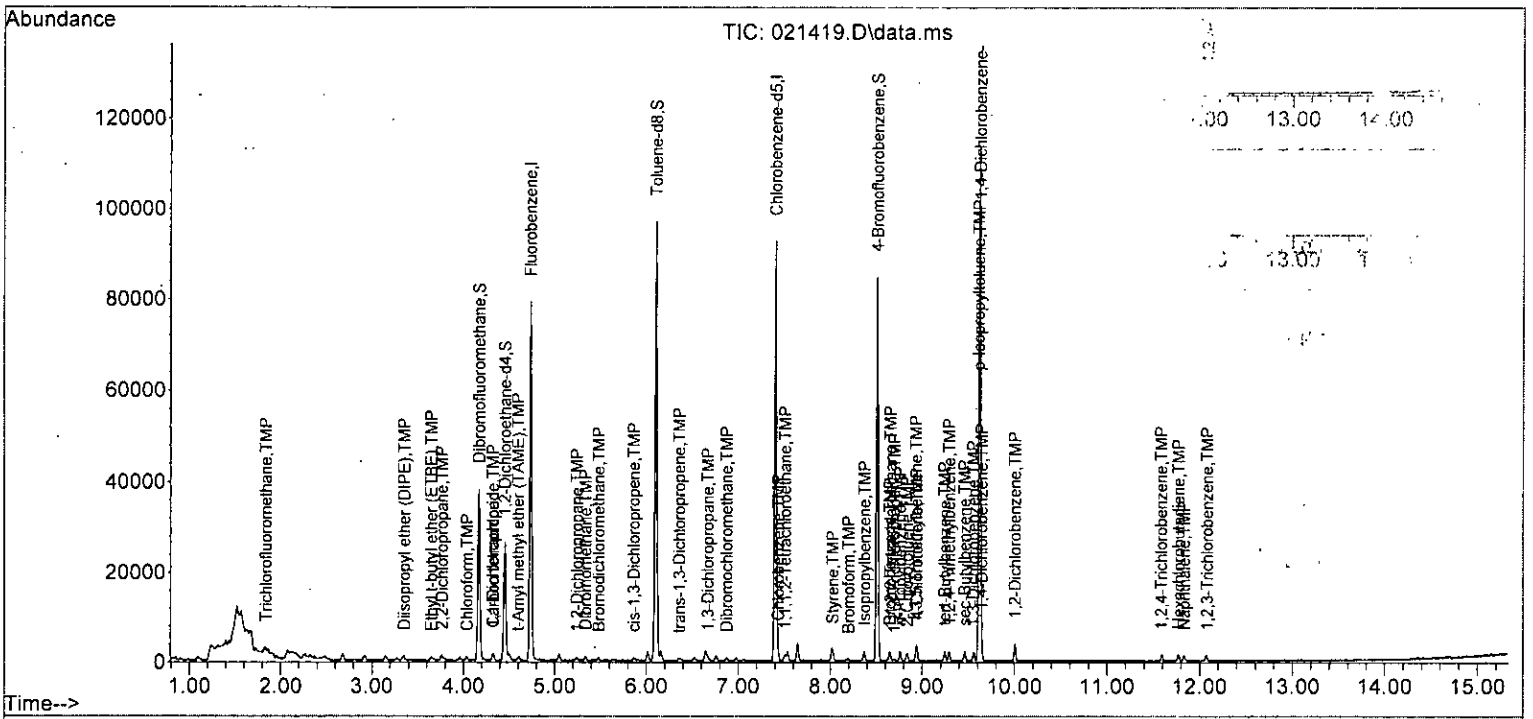
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d		
38) cis-1,3-Dichloropropene	5.86	75	302	0.172	ppb		90
40] Toluene	6.16	92	829	0.196	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	340	0.190	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	229	0.200	ppb	#	71
43) 2-Hexanone	0.00		0	N.D.	d		
44) 1,3-Dichloropropane	6.67	76	382	0.199	ppb		91
45] Tetrachloroethene	6.65	164	507	0.201	ppb		97
46) Dibromochloromethane	6.87	129	463	0.188	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	373	0.200	ppb		100
48) Chlorobenzene	7.43	112	1025	0.188	ppb		97
49] Ethylbenzene	7.54	91	1466	0.197	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	432	0.196	ppb		77
51] m,p-Xylene	7.65	106	1305	0.396	ppb		97
52] o-Xylene	8.02	106	638	0.201	ppb		100
53) Styrene	8.03	104	959	0.199	ppb		91
54) Isopropylbenzene	8.37	105	1673	0.213	ppb		97
55) Bromoform	8.20	173	303	0.182	ppb		81
58) n-Propylbenzene	8.76	91	1609	0.207	ppb		98
59) Bromobenzene	8.65	156	627	0.224	ppb		88
60) 1,3,5-Trimethylbenzene	8.93	105	1275	0.200	ppb		86
61) 1,1,2,2-Tetrachloroethane	8.65	83	277	0.208	ppb	#	59
62) 1,2,3-Trichloropropane	8.70	75	201	0.168	ppb	#	62
63) 2-Chlorotoluene	8.84	91	978	0.165	ppb		94
64) 4-Chlorotoluene	8.94	91	1224	0.233	ppb		79
65) tert-Butylbenzene	9.24	119	1462	0.218	ppb		82
66) 1,2,4-Trimethylbenzene	9.29	105	1229	0.189	ppb		93
67) sec-Butylbenzene	9.46	105	1592	0.192	ppb		95
68) p-Isopropyltoluene	9.61	119	1589	0.195	ppb		94
69) 1,3-Dichlorobenzene	9.55	146	1067	0.212	ppb		93
70) 1,4-Dichlorobenzene	9.64	146	1025	0.212	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	953	0.201	ppb		88
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	11.59	180	562	0.178	ppb		78
74) Hexachlorobutadiene	11.77	225	415	0.211	ppb		88
75) Naphthalene	11.83	128	1122	0.205	ppb		91
76) 1,2,3-Trichlorobenzene	12.08	180	455	0.195	ppb		89

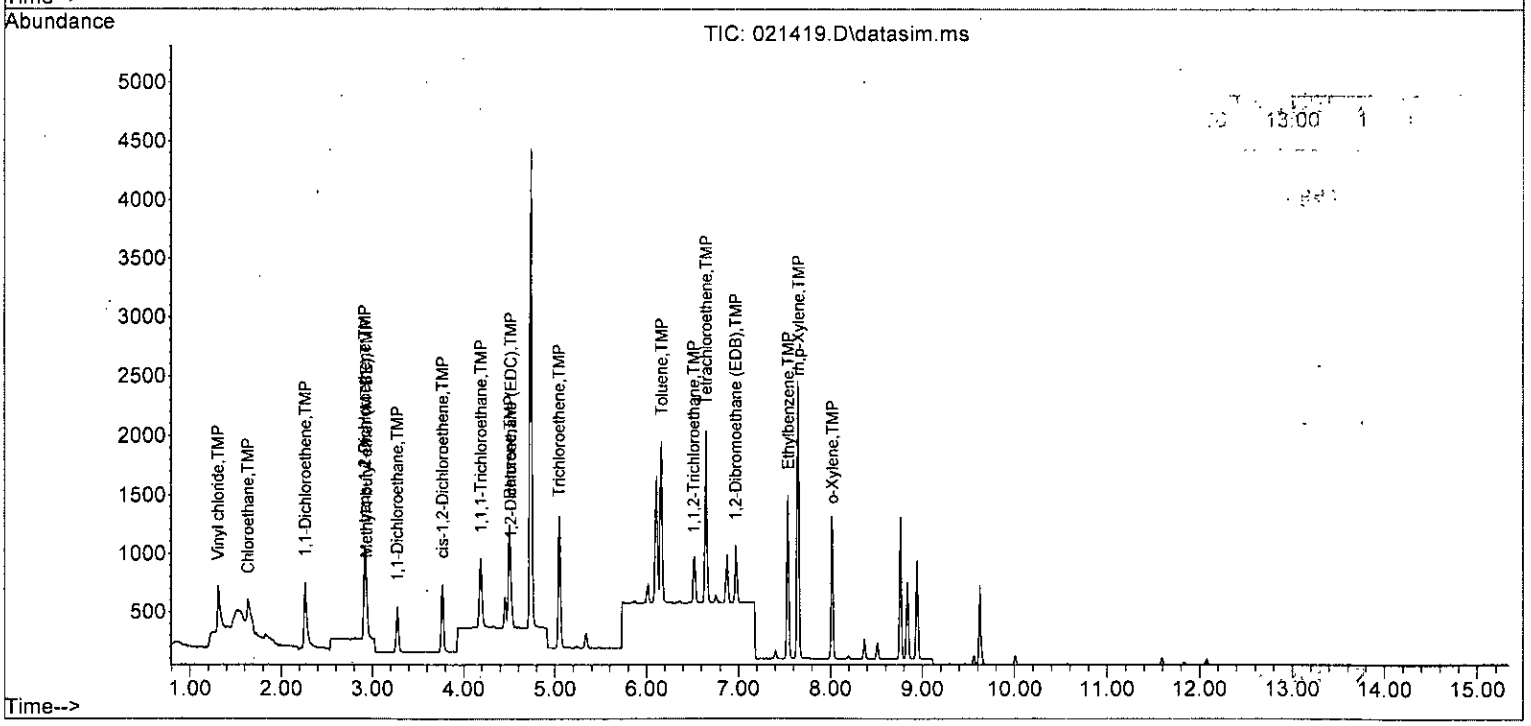
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021419.D
Acq On : 14 Feb 2023 06:01 pm
Operator : lm
Sample : 0.2 ppb 8260 CCV 68-127I
Misc : Soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:42:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

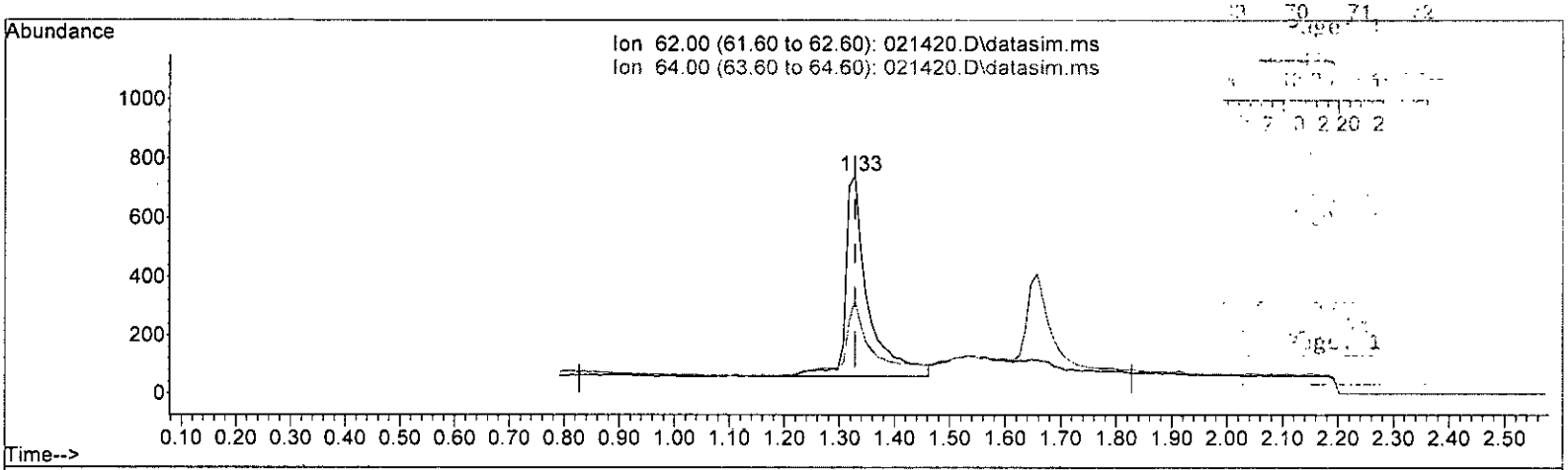


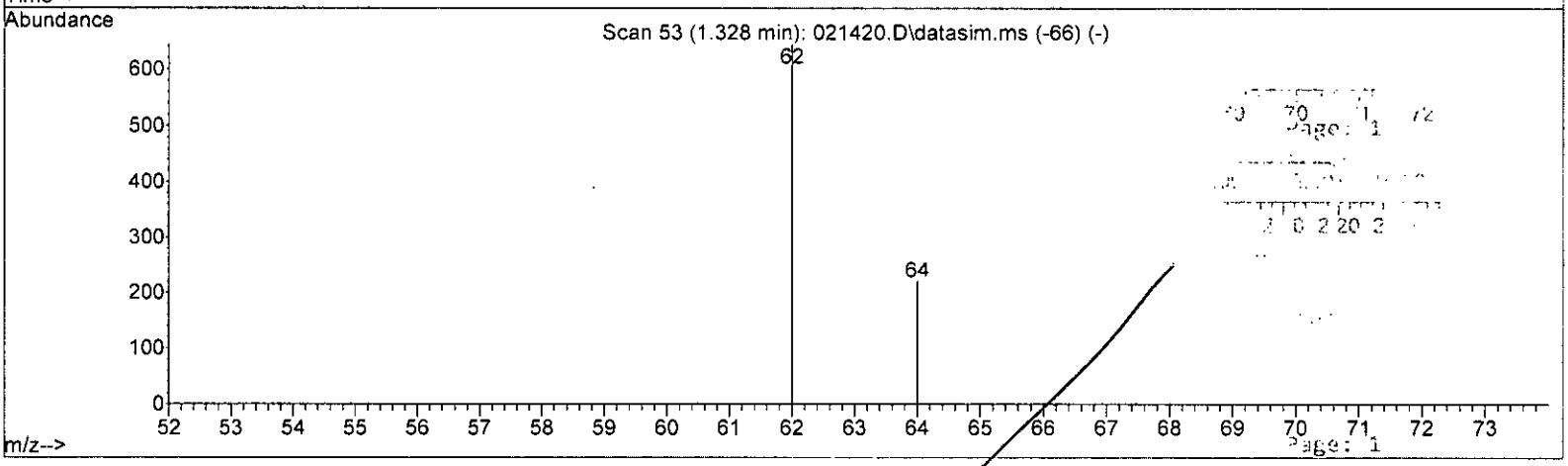


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.556 ppb
response 1954

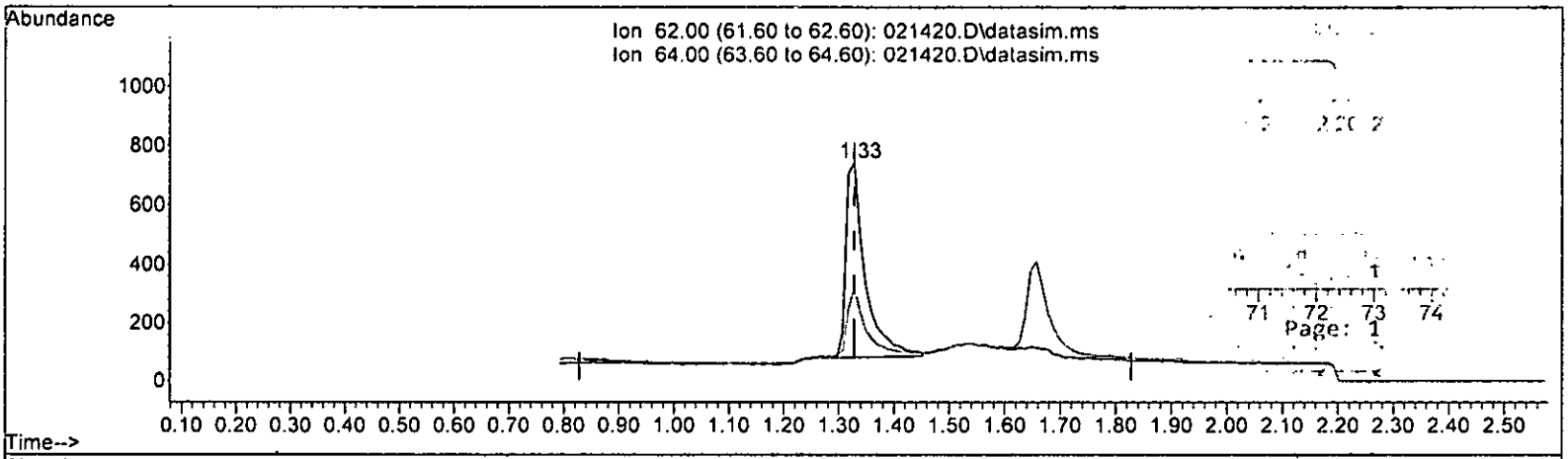
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	37.48
0.00	0.00	0.00
0.00	0.00	0.00

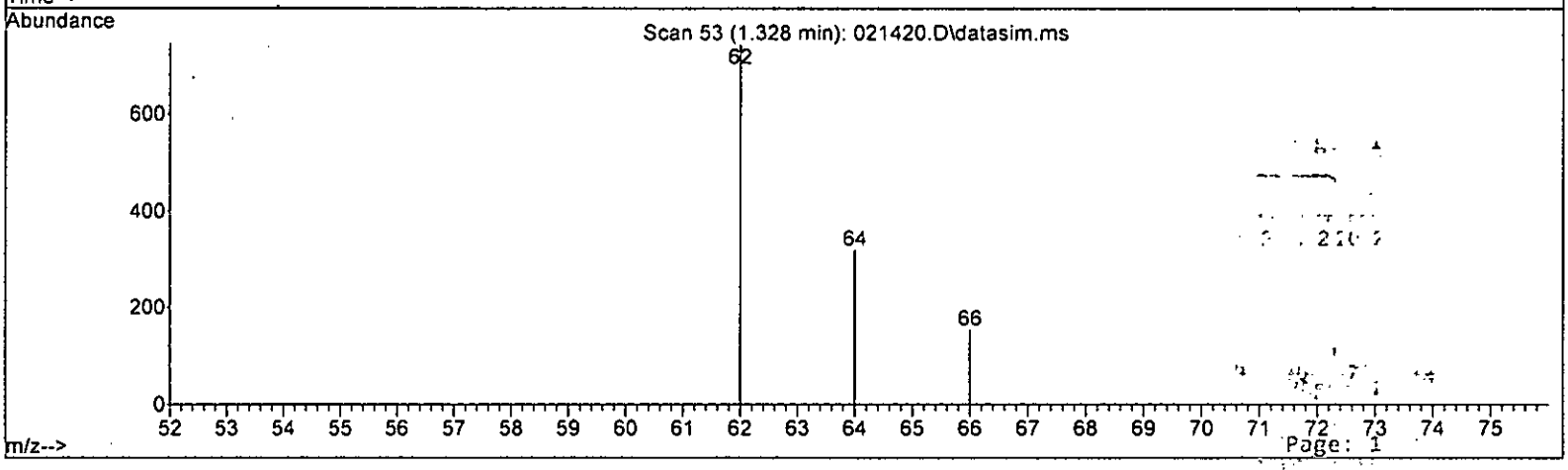
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Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(6) Vinyl chloride (TMP)
1.328min (-0.000) 0.458 ppb m
response 1604

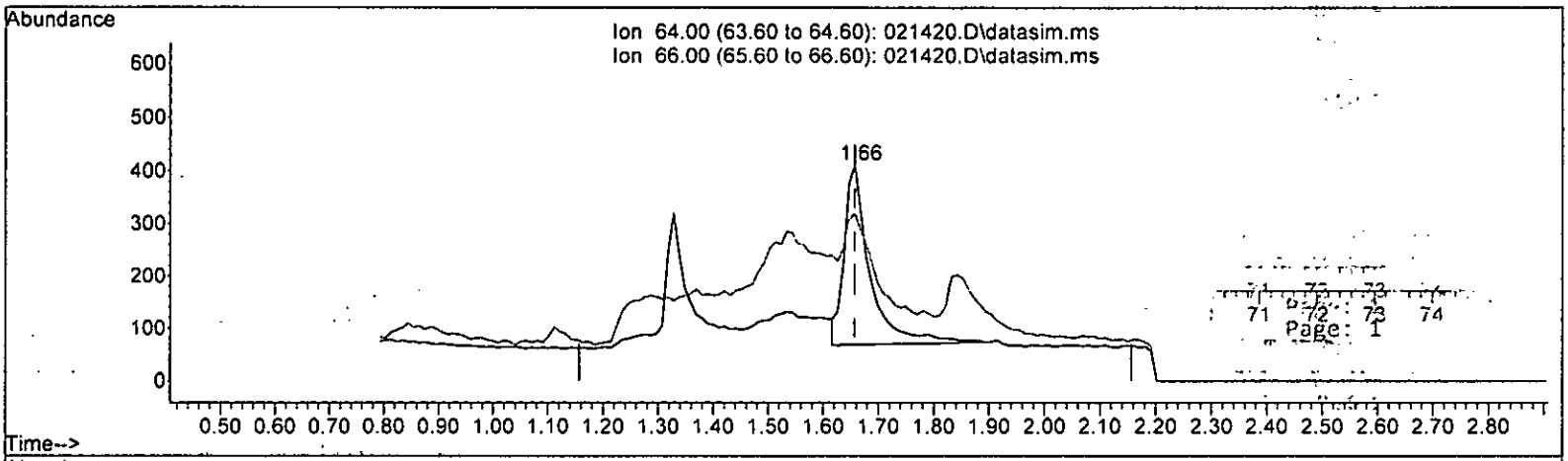
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	43.05
0.00	0.00	0.00
0.00	0.00	0.00

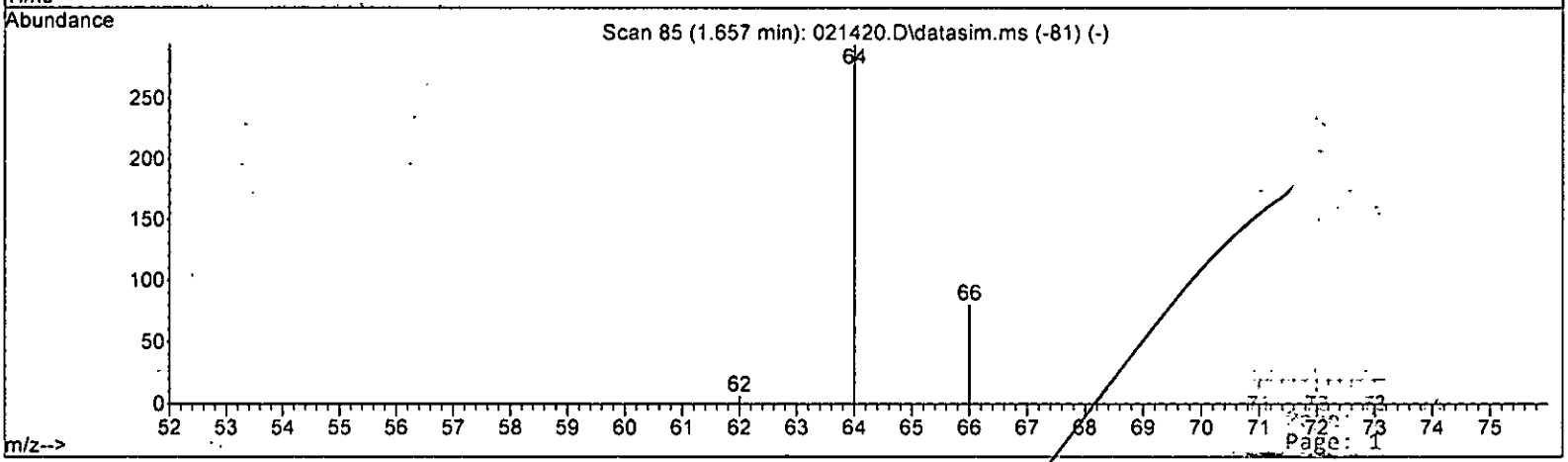
m 2/15

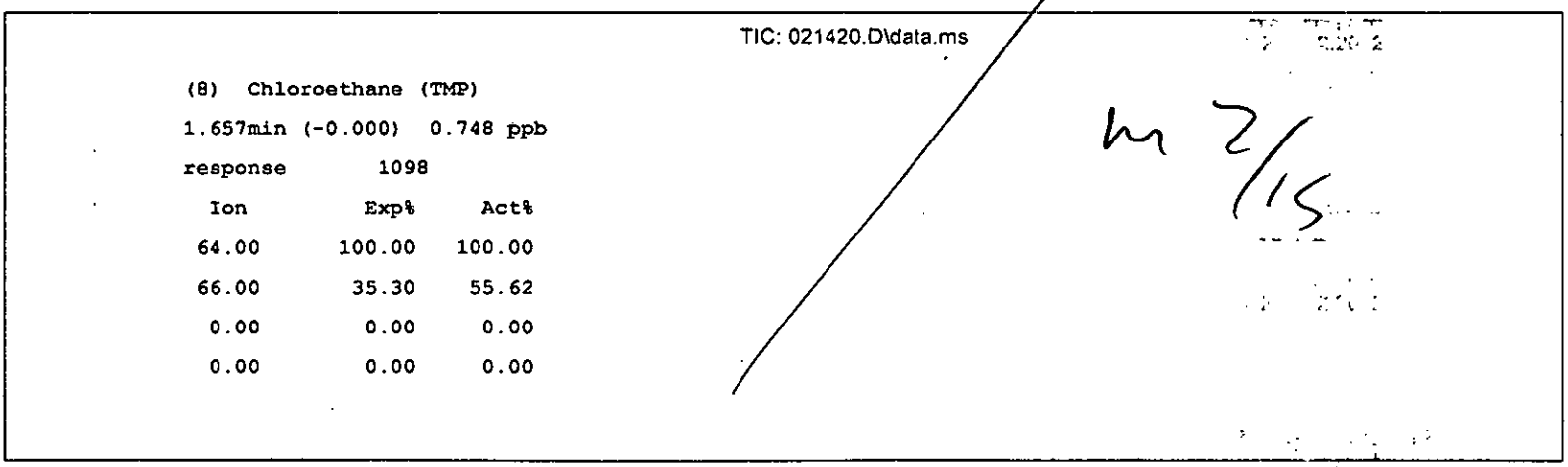
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(8) Chloroethane (TMP)
1.657min (-0.000) 0.748 ppb
response 1098

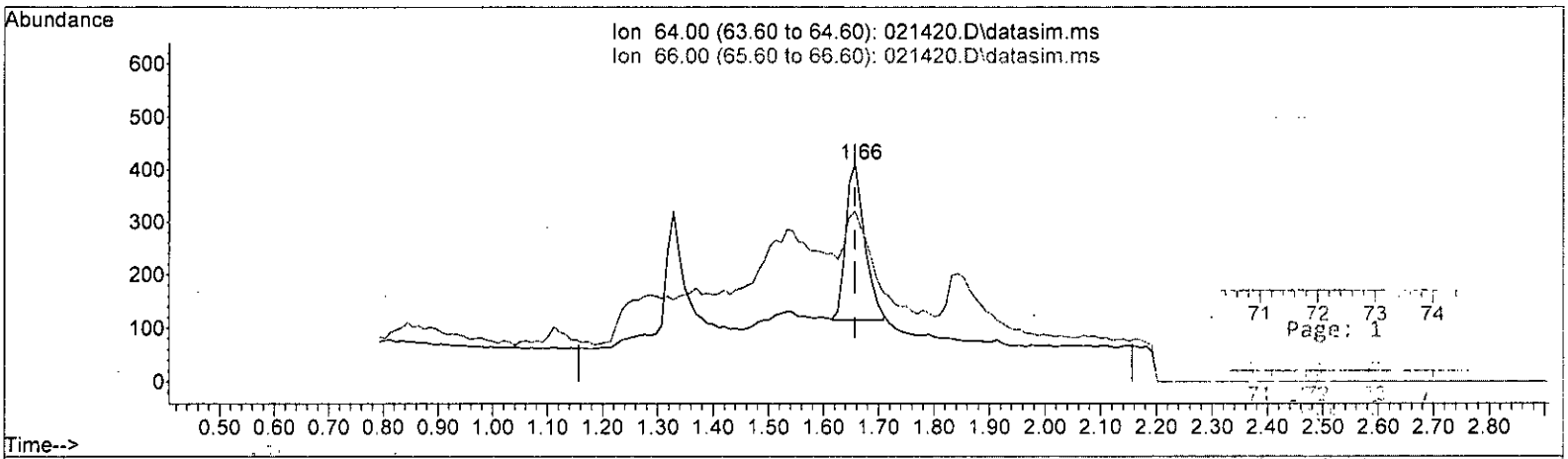
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.62
0.00	0.00	0.00
0.00	0.00	0.00

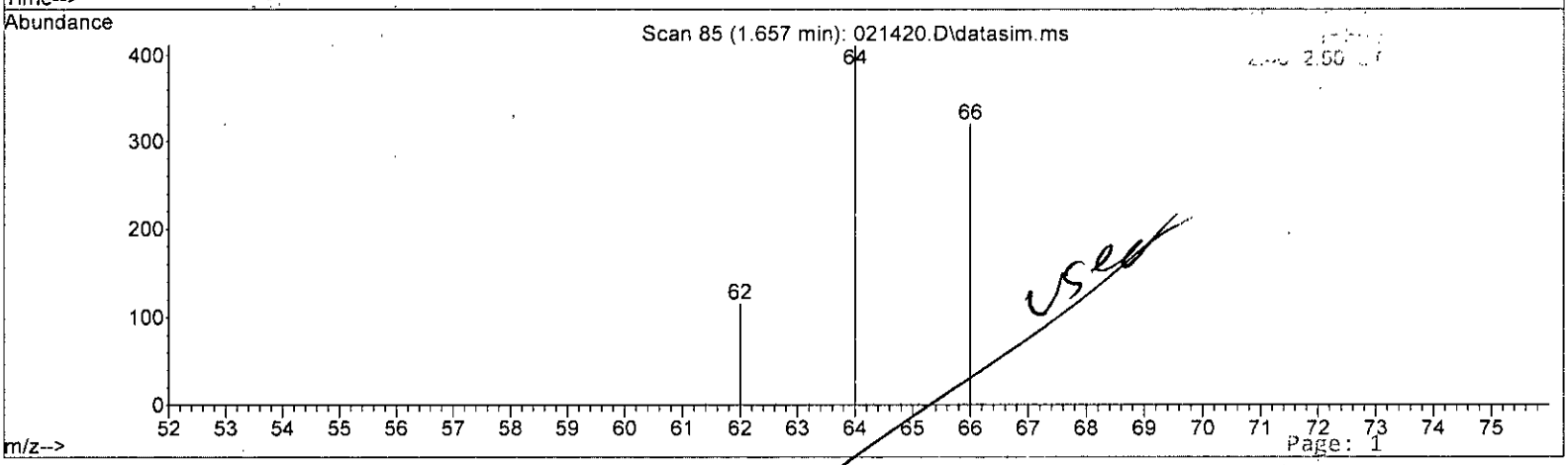
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(8) Chloroethane (TMP)
1.657min (-0.000) 0.519 ppb m
response 695

Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	77.86#
0.00	0.00	0.00
0.00	0.00	0.00

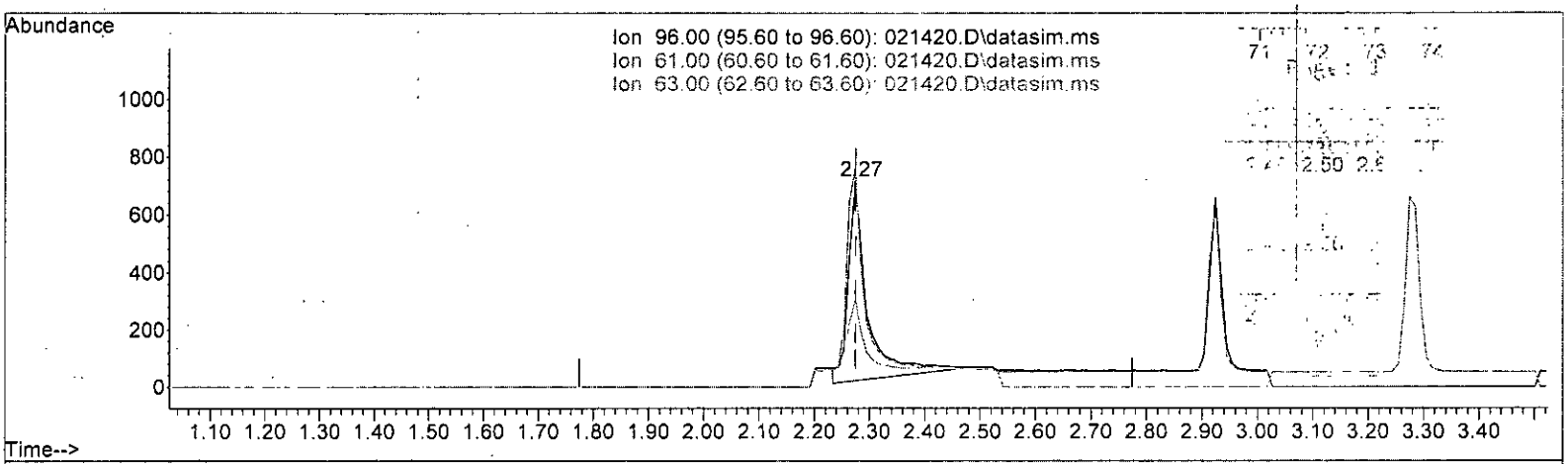
used

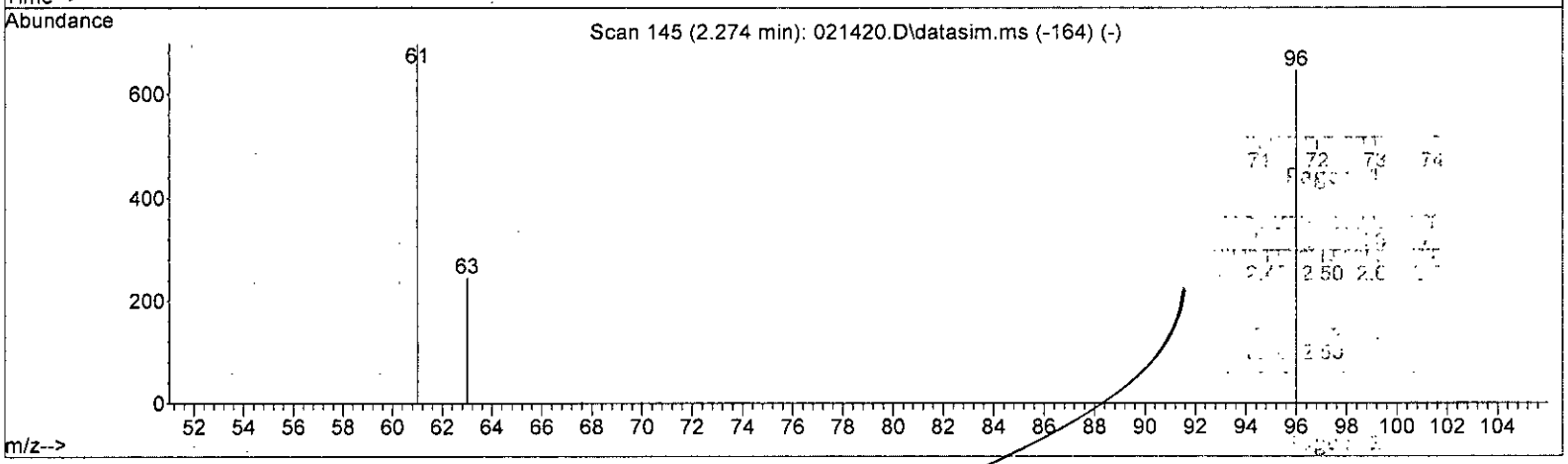
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.600 ppb
response 1690

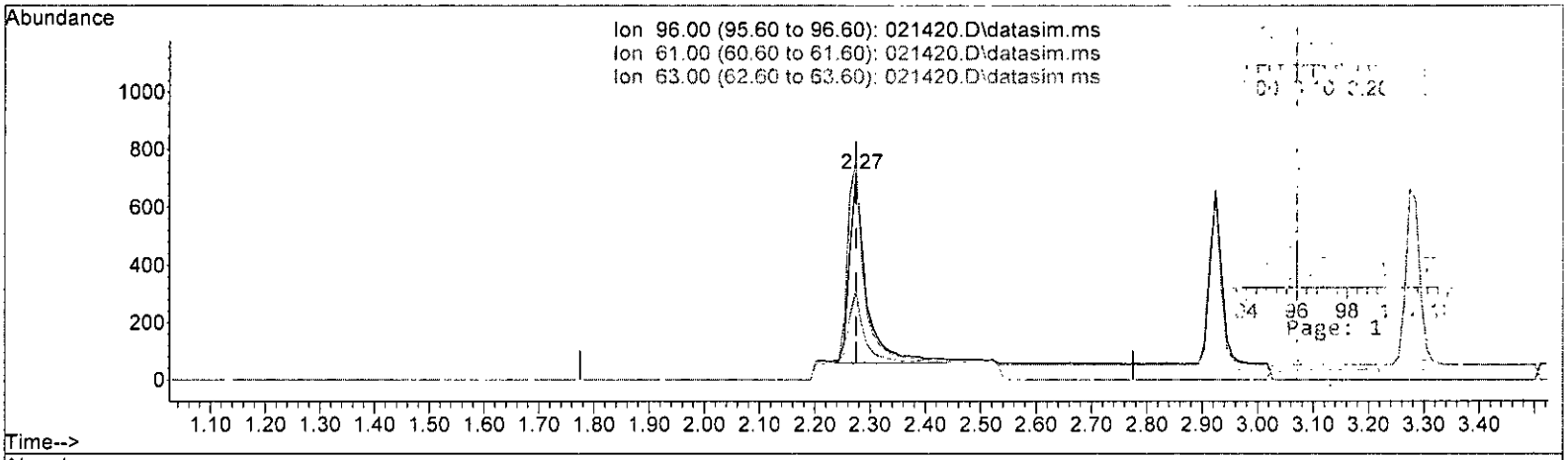
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	108.01
63.00	36.10	37.75
0.00	0.00	0.00

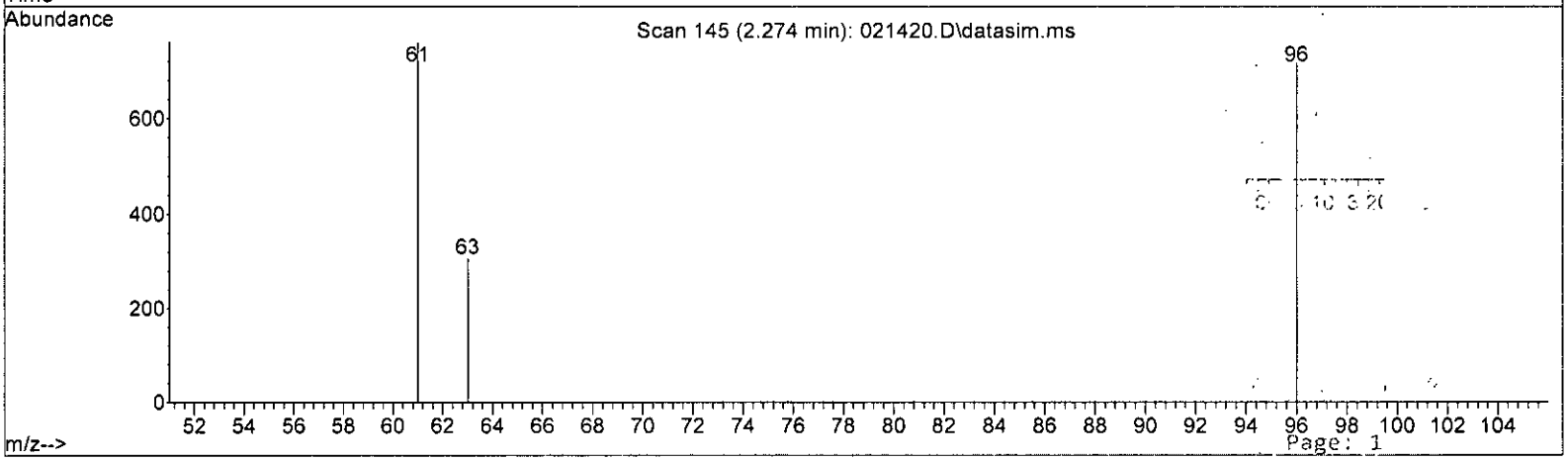
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.494 ppb m
response 1392

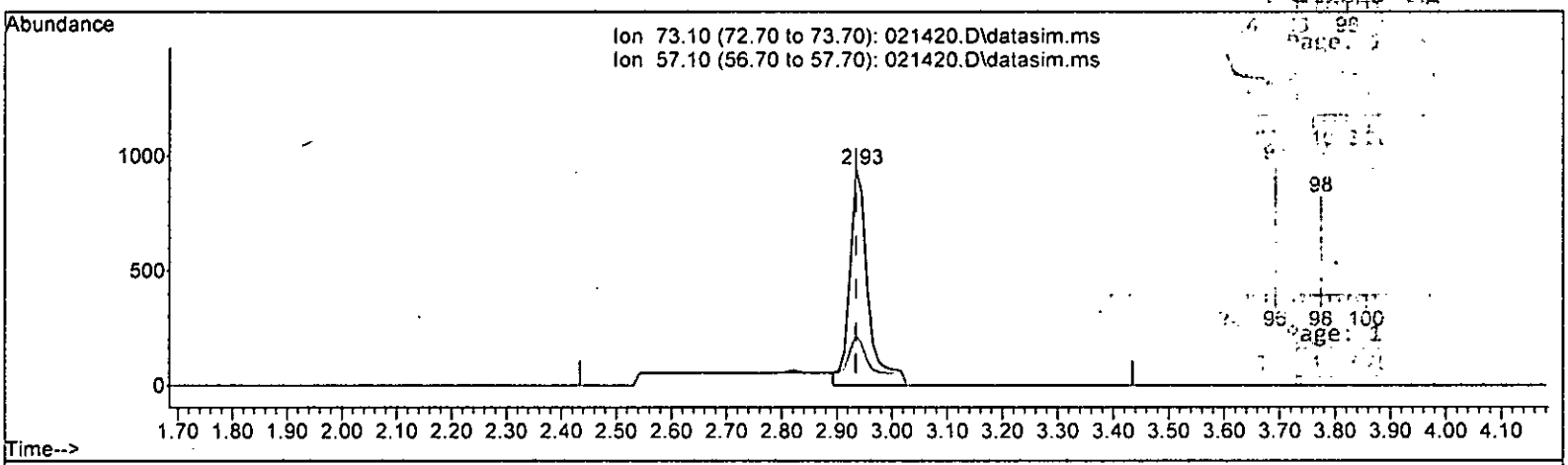
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	106.29
63.00	36.10	42.80
0.00	0.00	0.00

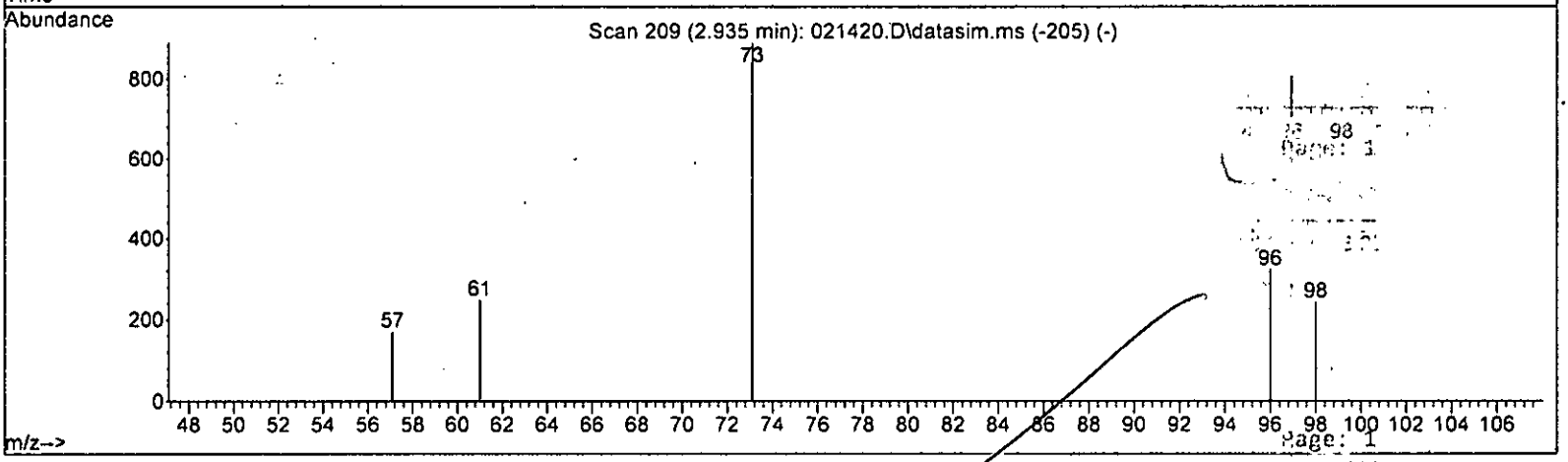
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

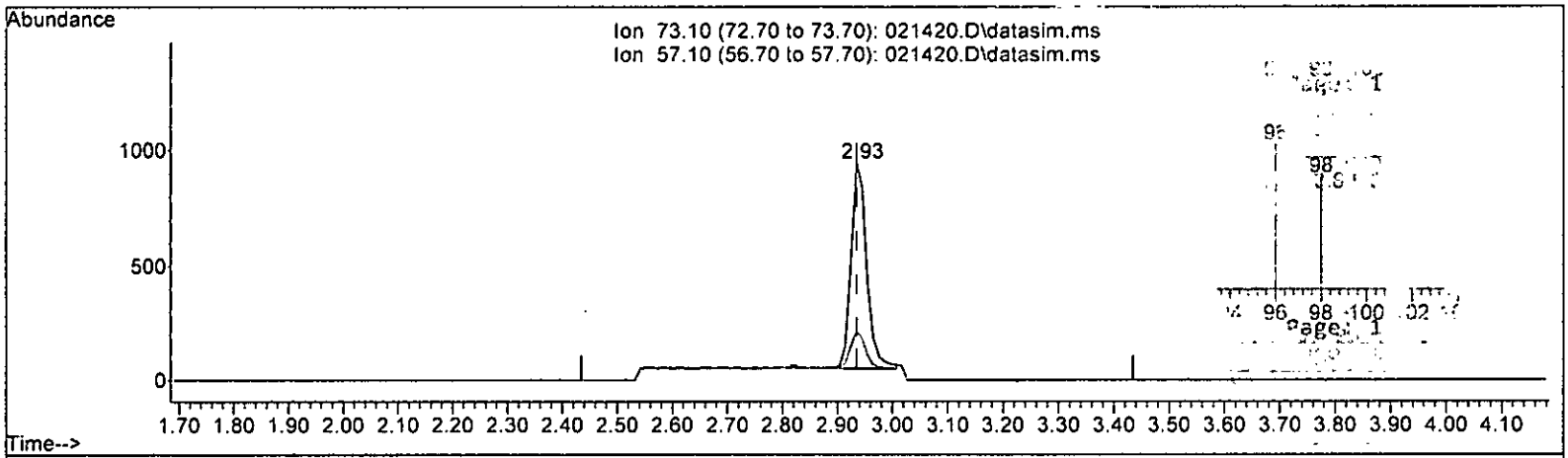
(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.609 ppb
response 2153

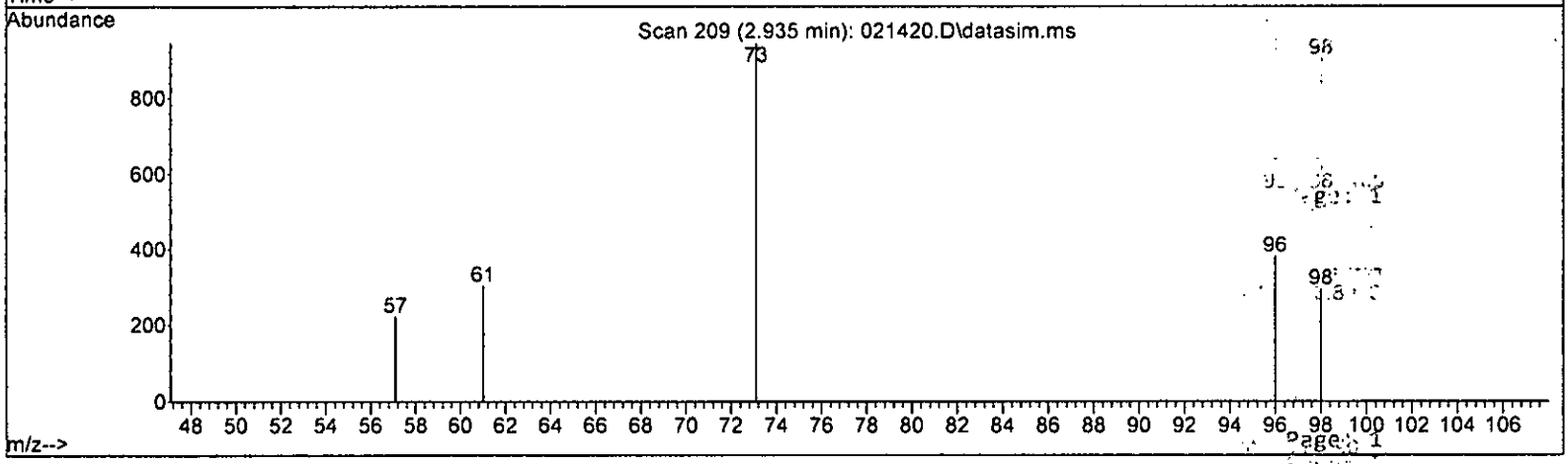
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)
2.935min (-0.000) 0.500 ppb m
response 1768

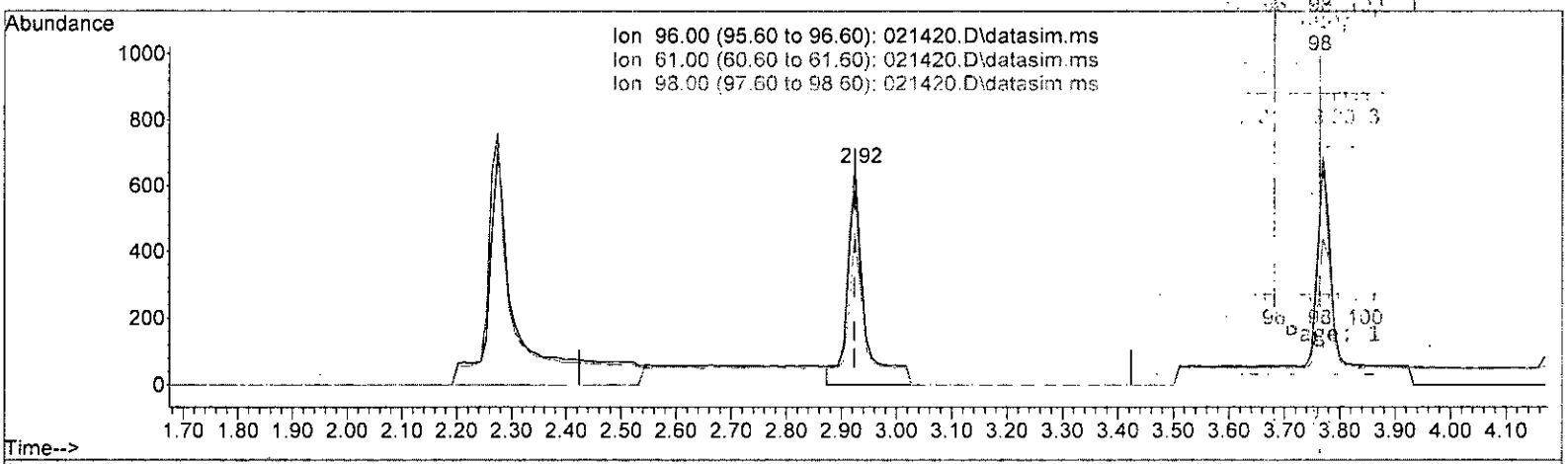
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	23.33
0.00	0.00	0.00
0.00	0.00	0.00

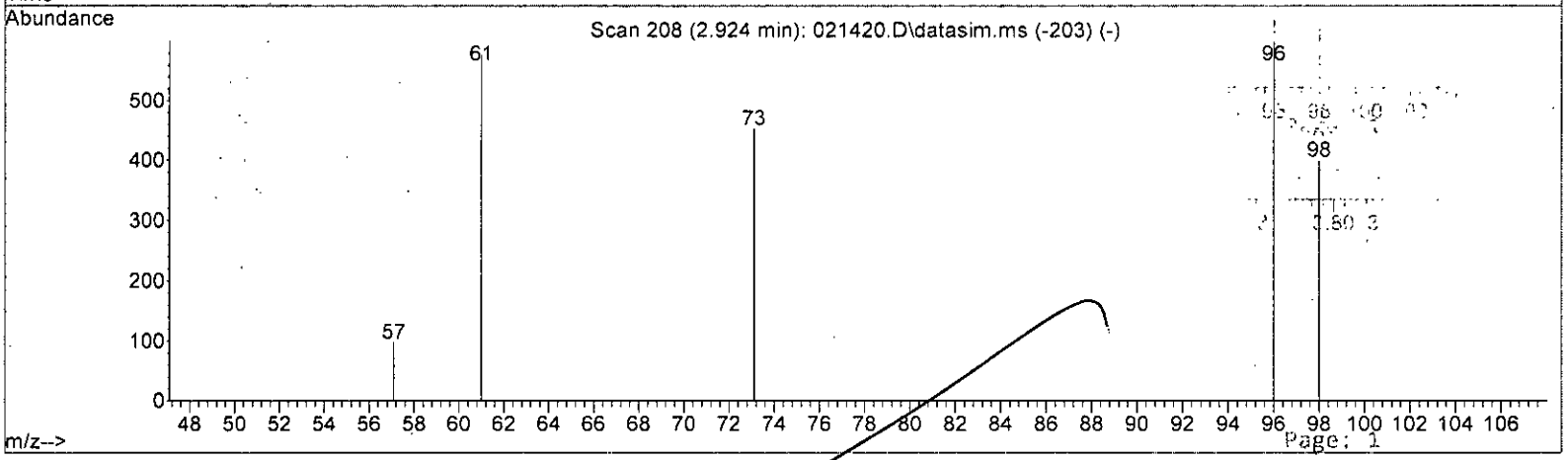
2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.756 ppb
response 1376

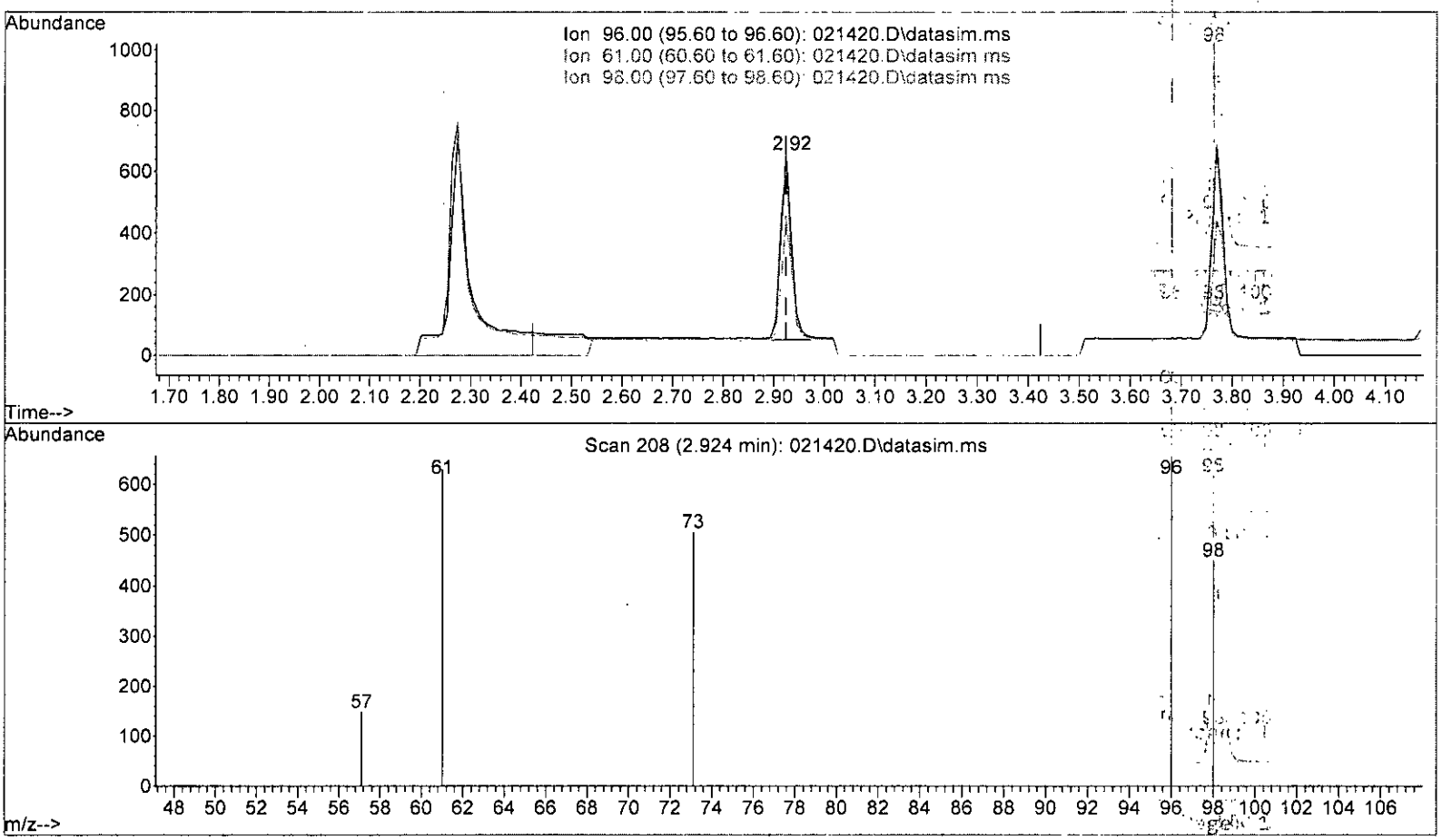
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

m 2 1/5

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021420.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.501 ppb m

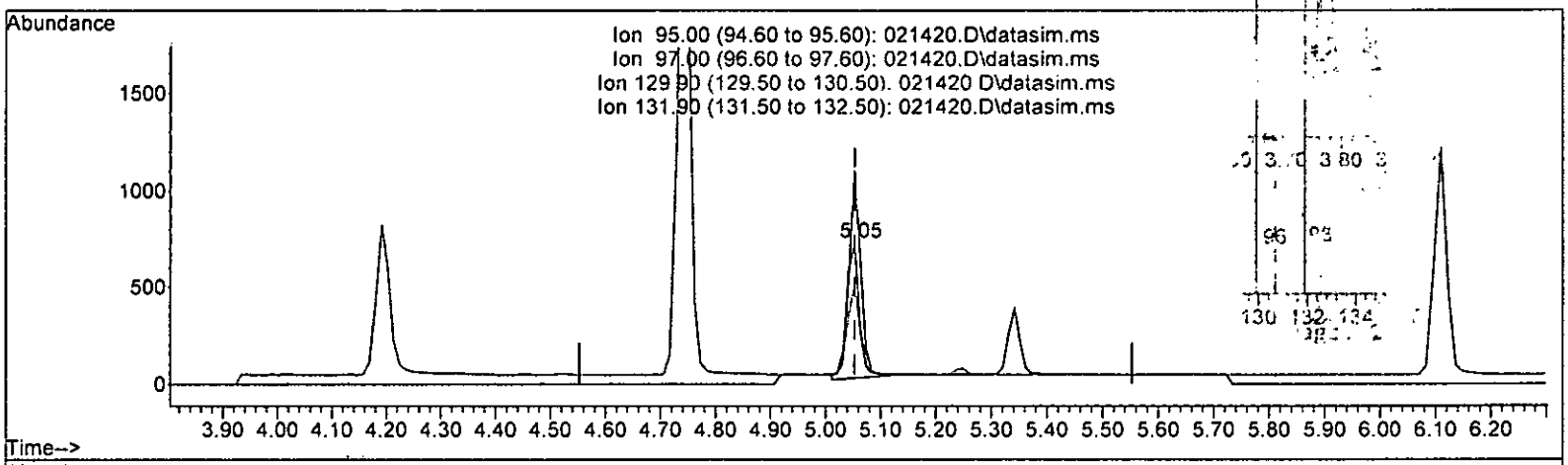
response 912

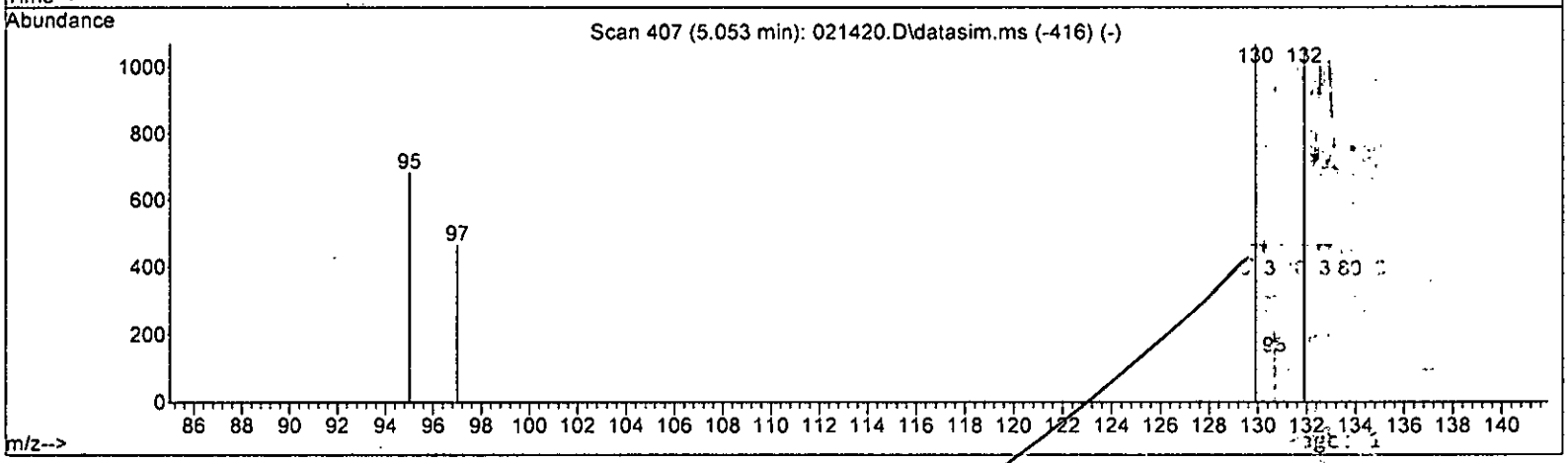
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	95.88
98.00	65.40	68.45
0.00	0.00	0.00

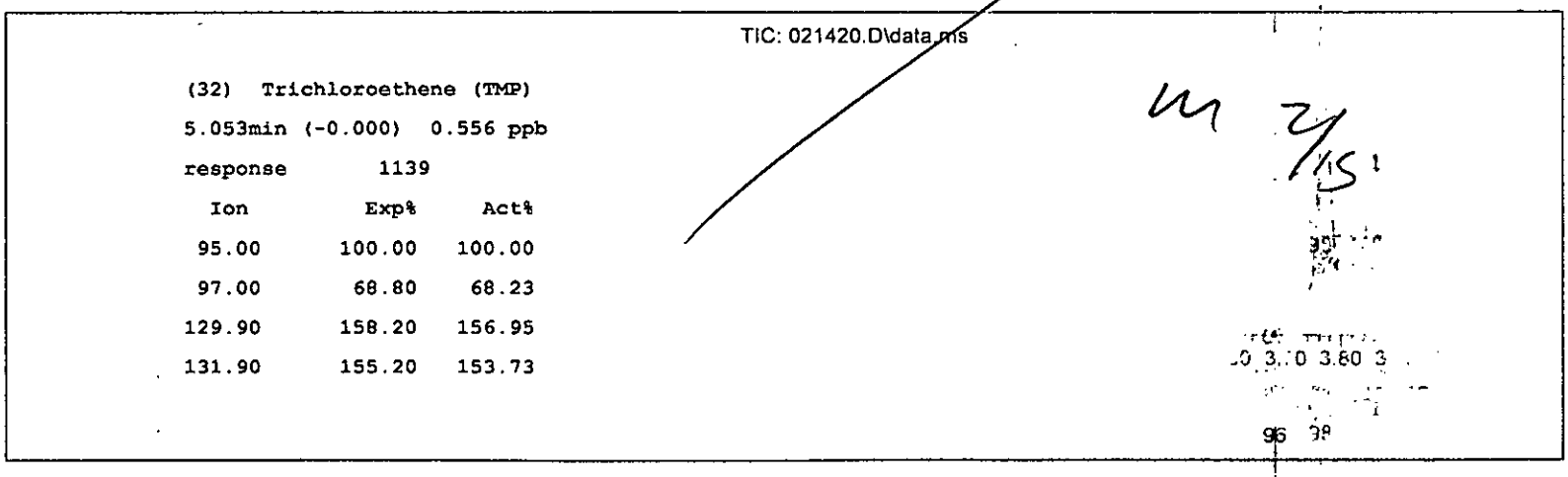
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







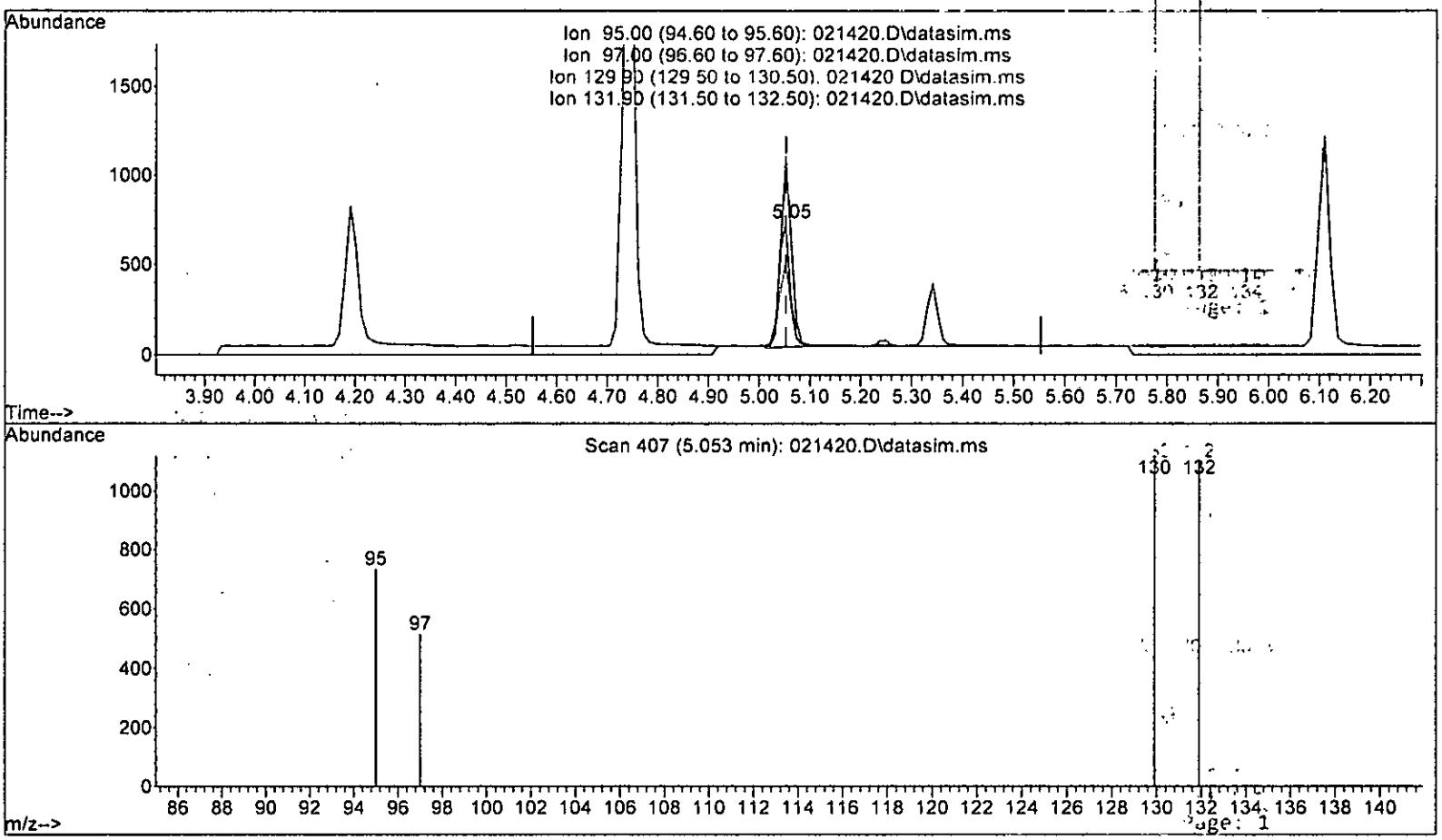
(32) Trichloroethene (TMP)
5.053min (-0.000) 0.556 ppb
response 1139

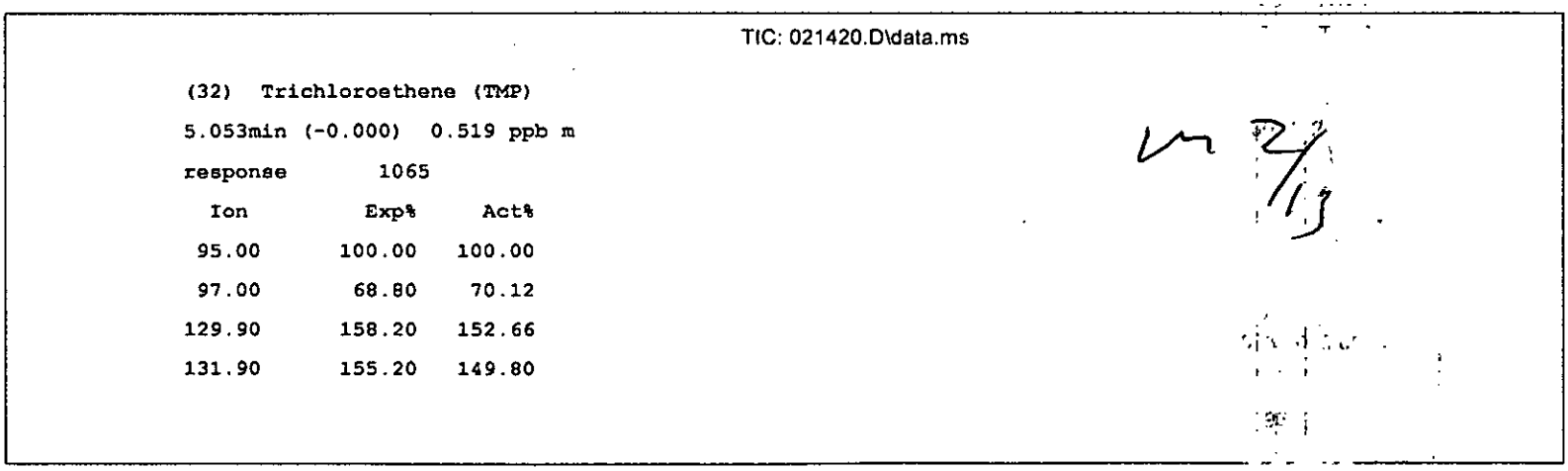
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	68.23
129.90	158.20	156.95
131.90	155.20	153.73

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





(32) Trichloroethene (TMP)
5.053min (-0.000) 0.519 ppb m
response 1065

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.12
129.90	158.20	152.66
131.90	155.20	149.80

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.325	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.469	6.2	100	0.00
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.500	0.458	8.4	97	0.00
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.57#
8	TMP	Chloroethane	0.500	0.519	-3.8	99	0.00
9	TMP	Trichlorofluoromethane	0.500	0.462	7.6	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	2.500	2.136	14.6	89	0.00
12	TMP	1,1-Dichloroethene	0.500	0.494	1.2	103	0.00
13	TMP	Hexane	0.500	0.530	-6.0	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.500	0.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.500	0.501	-0.2	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.500	0.539	-7.8	100	0.00
19	TMP	1,1-Dichloroethane	0.500	0.511	-2.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.609	-21.8#	100	0.00
21	TMP	2,2-Dichloropropane	0.500	0.573	-14.6	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.500	0.497	0.6	100	0.00
23	TMP	Chloroform	0.500	0.529	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	2.500	2.616	-4.6	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.518	-3.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.506	-1.2	100	0.00
27	TMP	1,1,1-Trichloroethane	0.500	0.502	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	0.500	0.532	-6.4	100	0.00
29	TMP	Carbon tetrachloride	0.500	0.599	-19.8	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.379	-3.8	100	0.00
31	TMP	Benzene	0.500	0.513	-2.6	100	0.00
32	TMP	Trichloroethene	0.500	0.519	-3.8	103	0.00
33	TMP	1,2-Dichloropropane	0.500	0.464	7.2	100	0.00
34	TMP	Bromodichloromethane	0.500	0.549	-9.8	100	0.00
35	S	Toluene-d8	10.000	10.141	-1.4	100	0.00
36	TMP	Dibromomethane	0.500	0.501	-0.2	100	0.00
37	TMP	4-Methyl-2-pentanone	2.500	2.051	18.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.500	0.552	-10.4	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.497	0.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.500	0.509	-1.8	100	0.00
42	TMP	1,1,2-Trichloroethane	0.500	0.513	-2.6	100	0.00
43	TMP	2-Hexanone	2.500	2.609	-4.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.586	-17.2	100	0.00
45	TMP	Tetrachloroethene	0.500	0.504	-0.8	100	0.00
46	TMP	Dibromochloromethane	0.500	0.500	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.486	2.8	100	0.00
48	TMP	Chlorobenzene	0.500	0.506	-1.2	100	0.00
49	TMP	Ethylbenzene	0.500	0.503	-0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.449	10.2	100	0.00
51	TMP	m,p-Xylene	1.000	1.017	-1.7	100	0.00
52	TMP	o-Xylene	0.500	0.512	-2.4	100	0.00
53	TMP	Styrene	0.500	0.541	-8.2	100	0.00
54	TMP	Isopropylbenzene	0.500	0.506	-1.2	100	0.00
55	TMP	Bromoform	0.500	0.482	3.6	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.207	-2.1	100	0.00
58	TMP	n-Propylbenzene	0.500	0.510	-2.0	100	0.00
59	TMP	Bromobenzene	0.500	0.493	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	0.500	0.516	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.545	-9.0	100	0.00
62	TMP	1,2,3-Trichloropropane	0.500	0.564	-12.8	100	0.00
63	TMP	2-Chlorotoluene	0.500	0.484	3.2	100	0.00
64	TMP	4-Chlorotoluene	0.500	0.497	0.6	100	0.00
65	TMP	tert-Butylbenzene	0.500	0.499	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	0.500	0.500	0.0	100	0.00
67	TMP	sec-Butylbenzene	0.500	0.496	0.8	100	0.00
68	TMP	p-Isopropyltoluene	0.500	0.479	4.2	100	0.00
69	TMP	1,3-Dichlorobenzene	0.500	0.509	-1.8	100	0.00
70	TMP	1,4-Dichlorobenzene	0.500	0.490	2.0	100	0.00
71	TMP	1,2-Dichlorobenzene	0.500	0.512	-2.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.533	-6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.500	0.469	6.2	100	0.00
74	TMP	Hexachlorobutadiene	0.500	0.506	-1.2	100	0.00
75	TMP	Naphthalene	0.500	0.460	8.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.500	0.501	-0.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.685	6.2	100	0.00
5	TMP	Chloromethane	0.500	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.532	0.501	5.8	97	0.00
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.217	12.1	99	0.00
9	TMP	Trichlorofluoromethane	1.319	1.220	7.5	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.028	-12.0	89	0.00
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	103	0.00
13	TMP	Hexane	0.231	0.244	-5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.553	-0.2	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.285	-0.4	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.519	-7.9	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.334	-2.1	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.283	-9.7	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.246	-4.7	100	0.01
22	TMP	cis-1,2-Dichloroethene	0.302	0.300	0.7	100	0.00
23	TMP	Chloroform	0.430	0.455	-5.8	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.093	-4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.535	-3.7	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.297	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.312	-6.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.479	-3.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.877	-0.1	100	0.00
32	TMP	Trichloroethene	0.338	0.333	1.5	103	0.00
33	TMP	1,2-Dichloropropane	0.173	0.160	7.5	100	0.00
34	TMP	Bromodichloromethane	0.300	0.323	-7.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.172	-0.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.035	18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.320	-3.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.719	5.9	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.322	-1.9	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.208	-2.5	100	0.00
43	TMP	2-Hexanone	0.144	0.151	-4.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.398	-17.1	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.437	0.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.322	2.7	100	0.00
48	TMP	Chlorobenzene	0.967	0.979	-1.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.300	2.3	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.351	10.2	100	0.00
51	TMP	m,p-Xylene	0.590	0.580	1.7	100	0.00
52	TMP	o-Xylene	0.566	0.565	0.2	100	0.00
53	TMP	Styrene	0.855	0.925	-8.2	100	0.00
54	TMP	Isopropylbenzene	1.393	1.409	-1.1	100	0.00
55	TMP	Bromoform	0.295	0.284	3.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.629	-1.9	100	0.00
58	TMP	n-Propylbenzene	2.371	2.421	-2.1	100	0.00
59	TMP	Bromobenzene	0.857	0.845	1.4	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.009	-3.2	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.497#	-5.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.411#	-12.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.451	-3.7	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.595	0.7	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.051	0.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.992	-0.1	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.509	0.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.387	4.3	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.563	-1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.446	1.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.488	-2.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.090	-7.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.904	6.3	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.607	-1.2	100	0.00
75	TMP	Naphthalene	1.920	1.580	17.7	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.770	10.5	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63984	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57214	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33099	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20628	10.325	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.30%				
30) 1,2-Dichloroethane-d4	4.45	102	4117	10.379	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.80%				
35) Toluene-d8	6.11	98	60420	10.141	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.40%				
57) 4-Bromofluorobenzene	8.51	95	20830	10.207	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 102.10%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	2190	0.469	ppb		99
5) Chloromethane	0.00		0	N.D.	d		
6] Vinyl chloride	1.33	62	1604m	0.458	ppb		
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.66	64	695m	0.519	ppb		
9) Trichlorofluoromethane	1.84	101	3902	0.462	ppb		93
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	451	2.136	ppb	#	80
12] 1,1-Dichloroethene	2.27	96	1392m	0.494	ppb		
13) Hexane	3.16	57	782	0.530	ppb		92
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d		
16] Methyl t-butyl ether (...	2.93	73	1768m	0.500	ppb		
17] trans-1,2-Dichloroethene	2.92	96	912m	0.501	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	1661	0.539	ppb		91
19] 1,1-Dichloroethane	3.27	63	1069	0.511	ppb		100
20) Ethyl t-butyl ether (E...	3.66	87	905	0.609	ppb	#	73
21) 2,2-Dichloropropane	3.77	77	787	0.573	ppb		87
22] cis-1,2-Dichloroethene	3.77	96	960	0.497	ppb		99
23) Chloroform	4.04	83	1455	0.529	ppb		89
24) 2-Butanone (MEK)	3.79	43	1491	2.616	ppb		96
25) t-Amyl methyl ether (T...	4.61	73	1710	0.518	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	951	0.506	ppb		100
27] 1,1,1-Trichloroethane	4.19	97	1401	0.502	ppb		99
28) 1,1-Dichloropropene	4.33	75	999	0.532	ppb		85
29) Carbon tetrachloride	4.33	117	1533	0.599	ppb		92
31] Benzene	4.50	78	2807	0.513	ppb		99
32] Trichloroethene	5.05	95	1065m	0.519	ppb		
33) 1,2-Dichloropropane	5.24	63	513	0.464	ppb	#	80
34) Bromodichloromethane	5.48	83	1033	0.549	ppb		98
36) Dibromomethane	5.34	93	550	0.501	ppb		98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

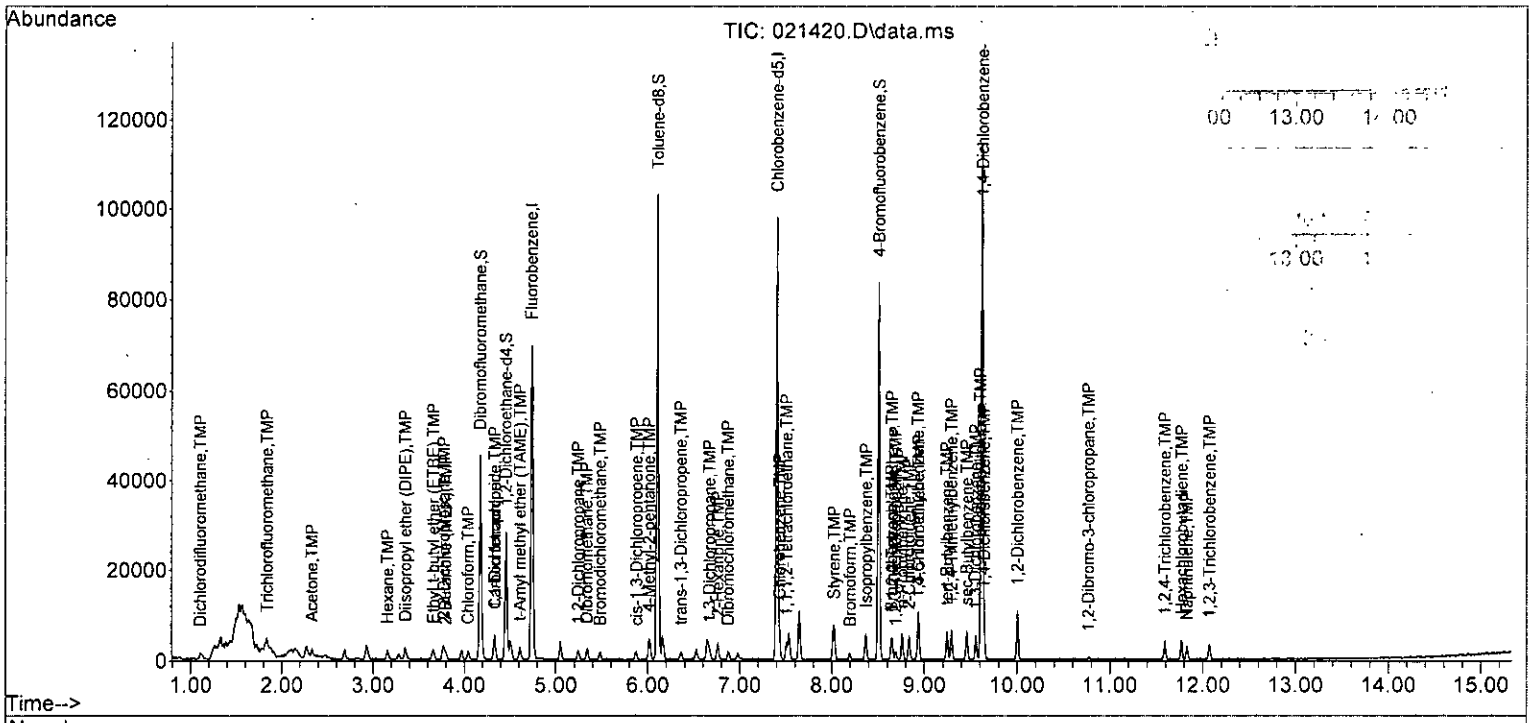
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	564	2.051	ppb		83
38) cis-1,3-Dichloropropene	5.88	75	1023	0.552	ppb		84
40] Toluene	6.16	92	2058	0.497	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	921	0.509	ppb		94
42] 1,1,2-Trichloroethane	6.53	83	595	0.513	ppb		99
43) 2-Hexanone	6.76	43	2155	2.609	ppb		94
44) 1,3-Dichloropropane	6.67	76	1139	0.586	ppb		94
45] Tetrachloroethene	6.65	164	1258	0.504	ppb		98
46) Dibromochloromethane	6.87	129	1250	0.500	ppb		98
47] 1,2-Dibromoethane (EDB)	6.97	107	921	0.486	ppb		99
48) Chlorobenzene	7.43	112	2800	0.506	ppb		94
49] Ethylbenzene	7.54	91	3720	0.503	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	1005	0.449	ppb		83
51] m,p-Xylene	7.65	106	3320	1.017	ppb		97
52] o-Xylene	8.02	106	1615	0.512	ppb		100
53) Styrene	8.03	104	2647	0.541	ppb		87
54) Isopropylbenzene	8.37	105	4030	0.506	ppb		98
55) Bromoform	8.20	173	812	0.482	ppb		75
58) n-Propylbenzene	8.76	91	4006	0.510	ppb		96
59) Bromobenzene	8.65	156	1399	0.493	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	3324	0.516	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	822	0.545	ppb		83
62) 1,2,3-Trichloropropane	8.69	75	681	0.564	ppb		85
63) 2-Chlorotoluene	8.84	91	2402	0.484	ppb		83
64) 4-Chlorotoluene	8.94	91	2640	0.497	ppb		87
65) tert-Butylbenzene	9.24	119	3394	0.499	ppb		92
66) 1,2,4-Trimethylbenzene	9.29	105	3297	0.500	ppb		97
67) sec-Butylbenzene	9.46	105	4152	0.496	ppb		91
68) p-Isopropyltoluene	9.60	119	3951	0.479	ppb		95
69) 1,3-Dichlorobenzene	9.55	146	2587	0.509	ppb		91
70) 1,4-Dichlorobenzene	9.64	146	2393	0.490	ppb		90
71) 1,2-Dichlorobenzene	10.00	146	2462	0.512	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	149	0.533	ppb	#	16
73) 1,2,4-Trichlorobenzene	11.59	180	1496	0.469	ppb		87
74) Hexachlorobutadiene	11.77	225	1004	0.506	ppb		96
75) Naphthalene	11.83	128	2614	0.460	ppb		90
76) 1,2,3-Trichlorobenzene	12.07	180	1274	0.501	ppb		93

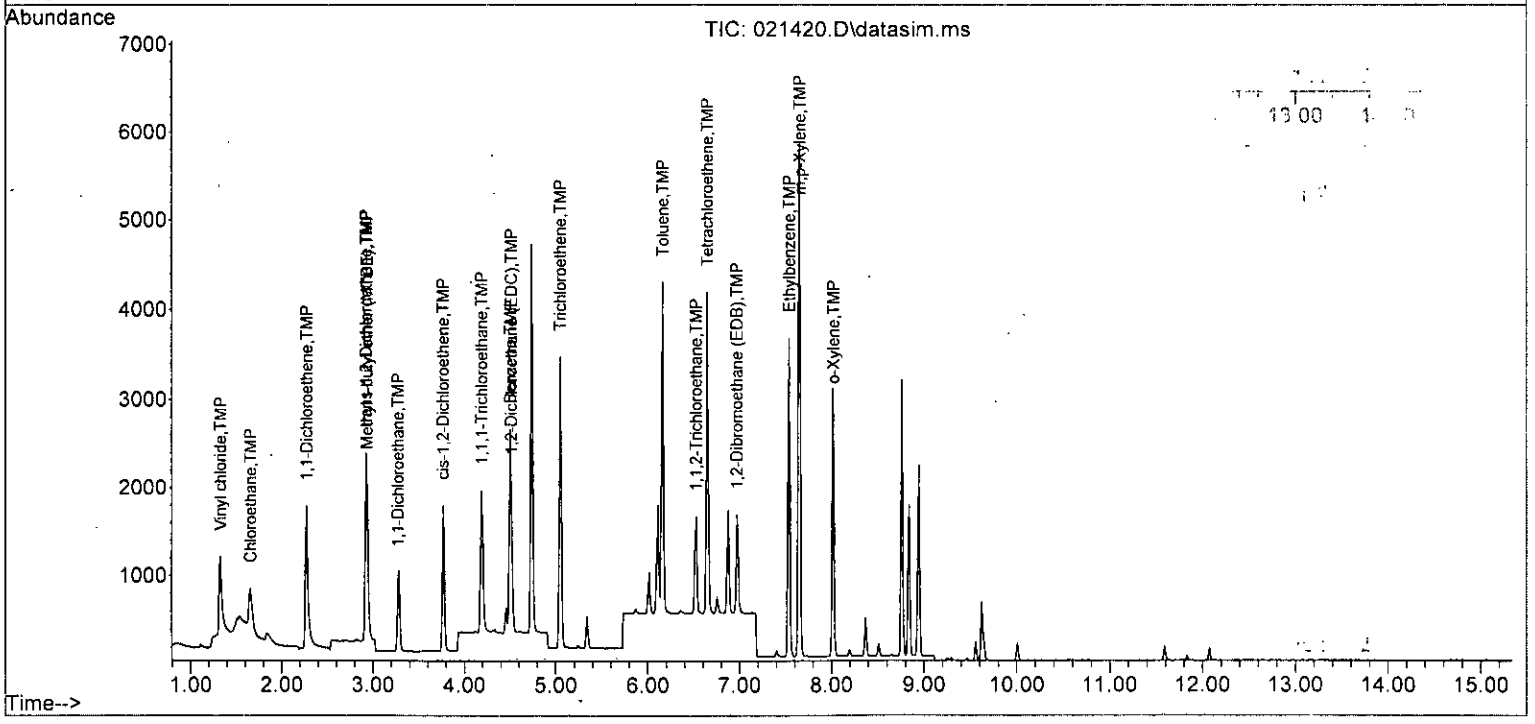
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021420.D
Acq On : 14 Feb 2023 06:24 pm
Operator : lm
Sample : 0.5 ppb 8260 CCV 68-127J
Misc : Soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

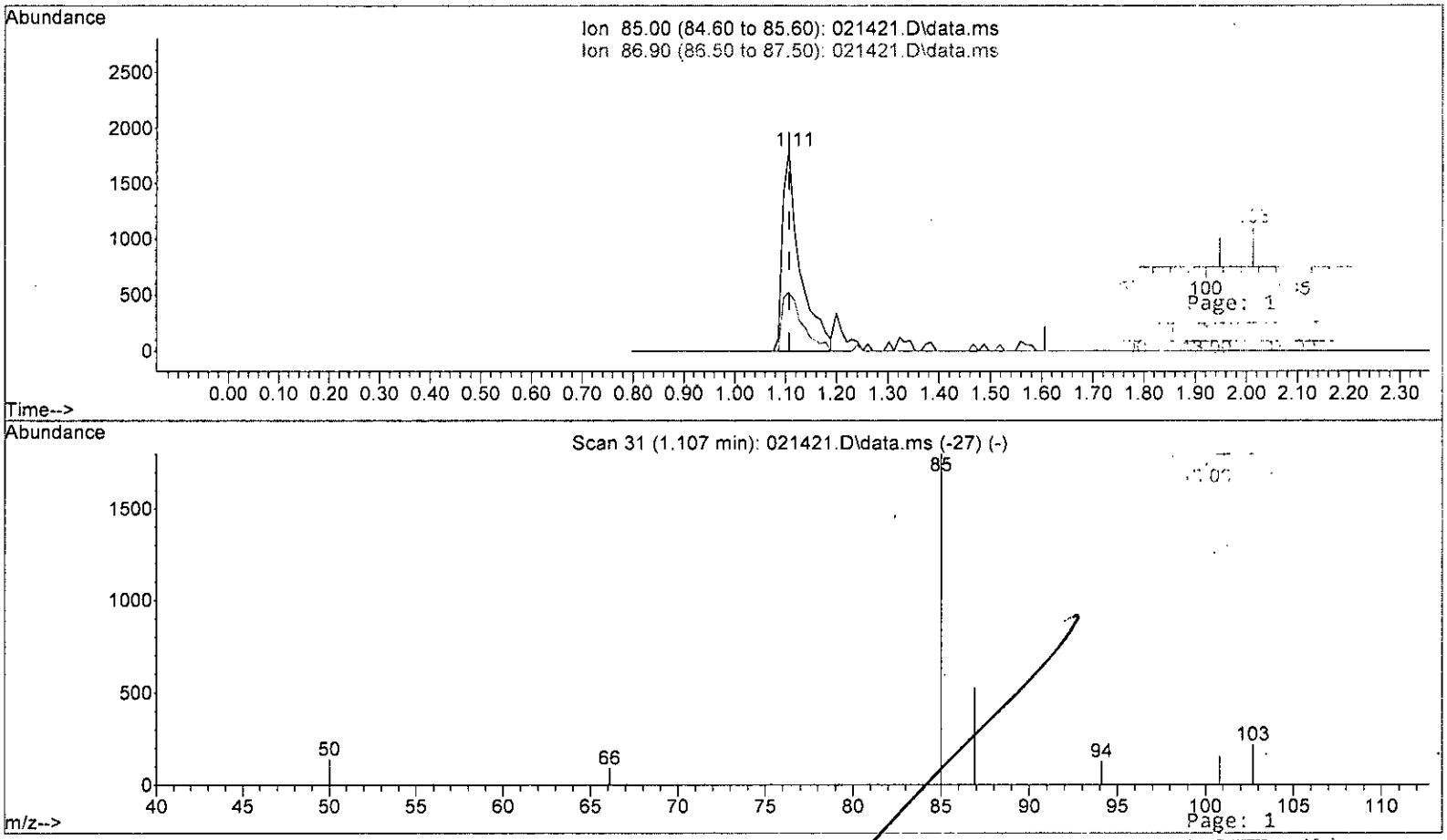
Quant Time: Feb 15 10:48:41 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.846 ppb

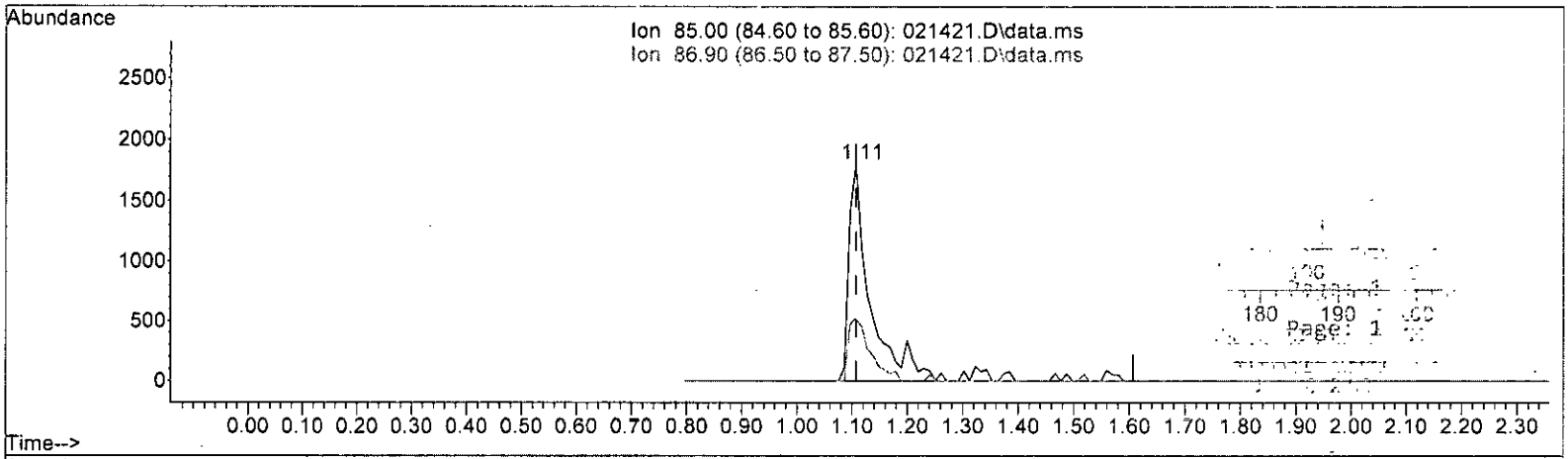
response 4261

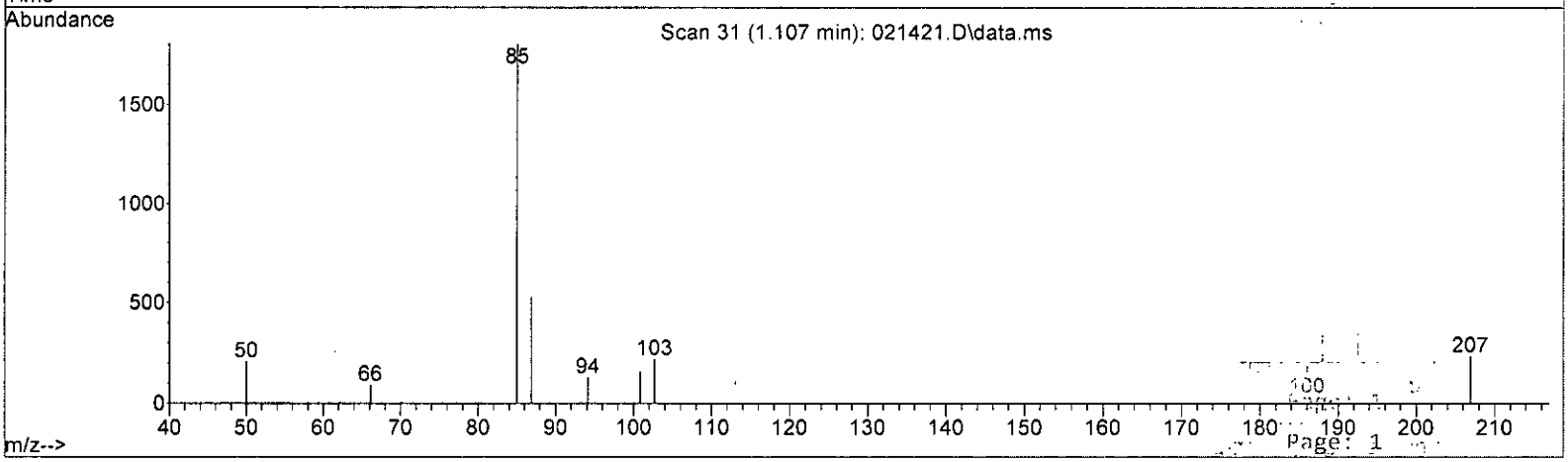
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(4) Dichlorodifluoromethane (TMP)

1.107min (-0.000) 0.949 ppb m

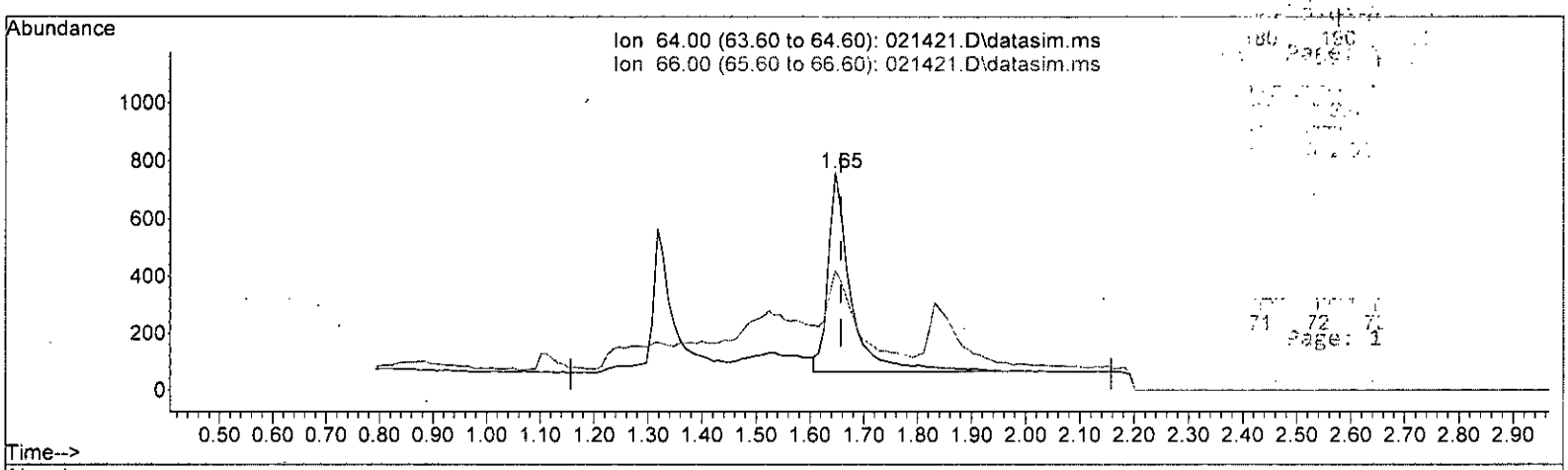
response 4781

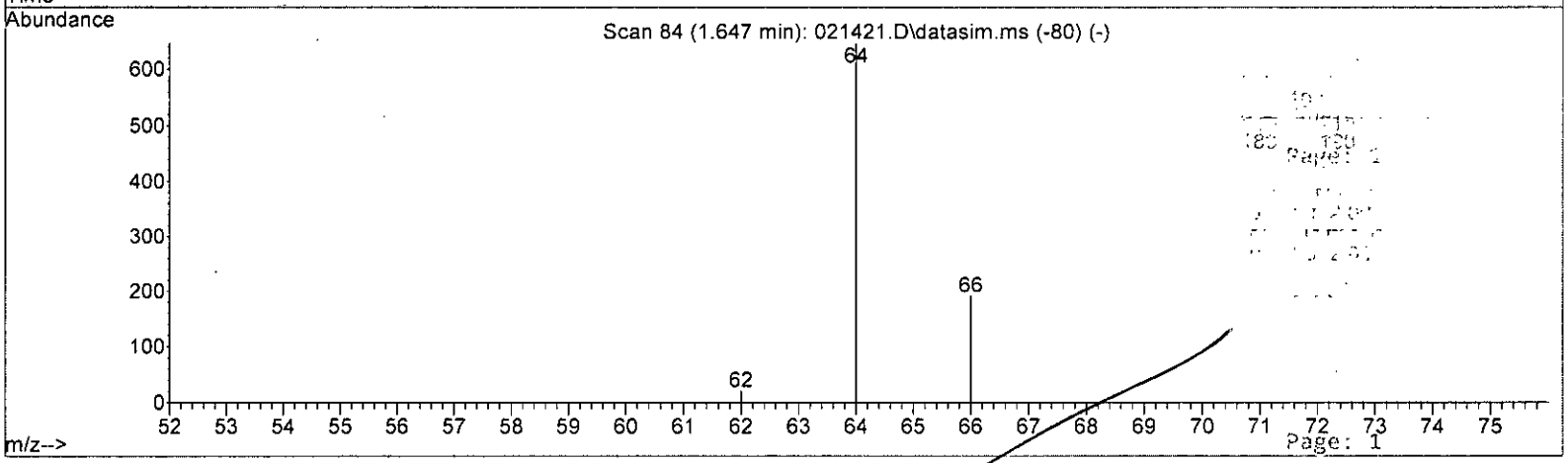
Ion	Exp%	Act%
85.00	100.00	100.00
86.90	35.40	29.13
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

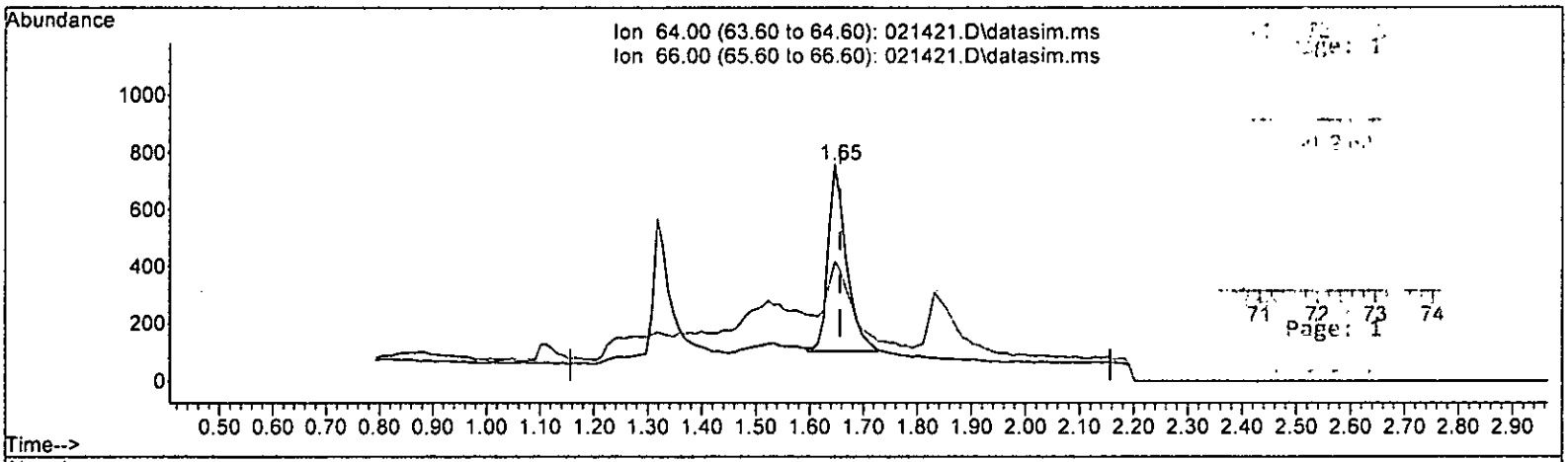
(8) Chloroethane (TMP)
1.647min (-0.010) 1.197 ppb
response 2033

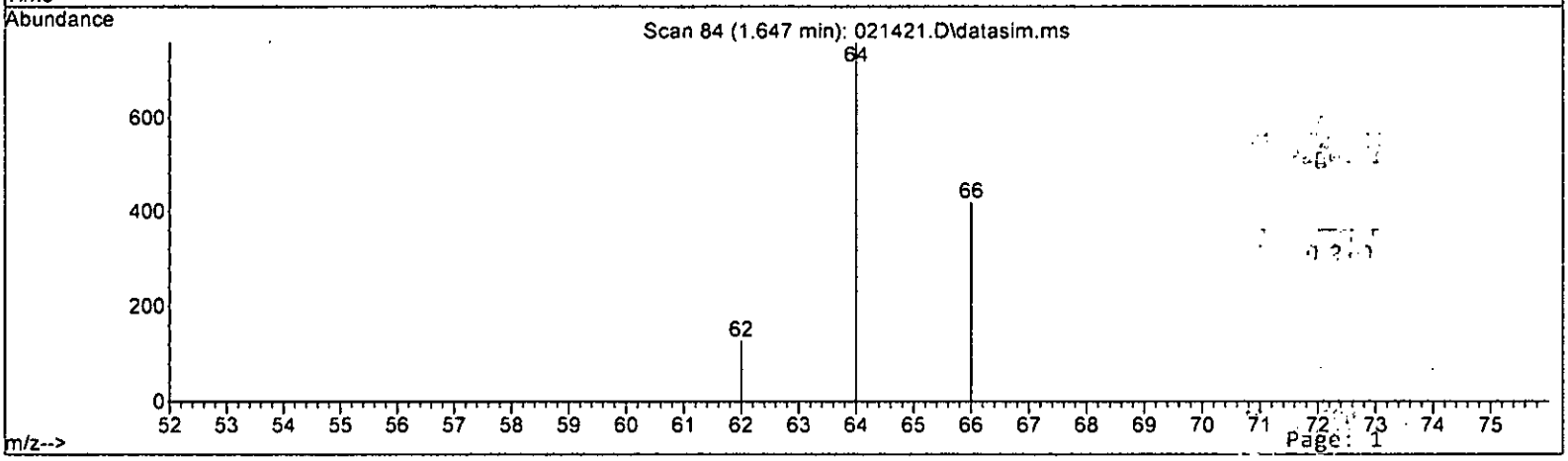
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	46.46
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(8) Chloroethane (TMP)

1.647min (-0.010) 0.938 ppb m

response 1544

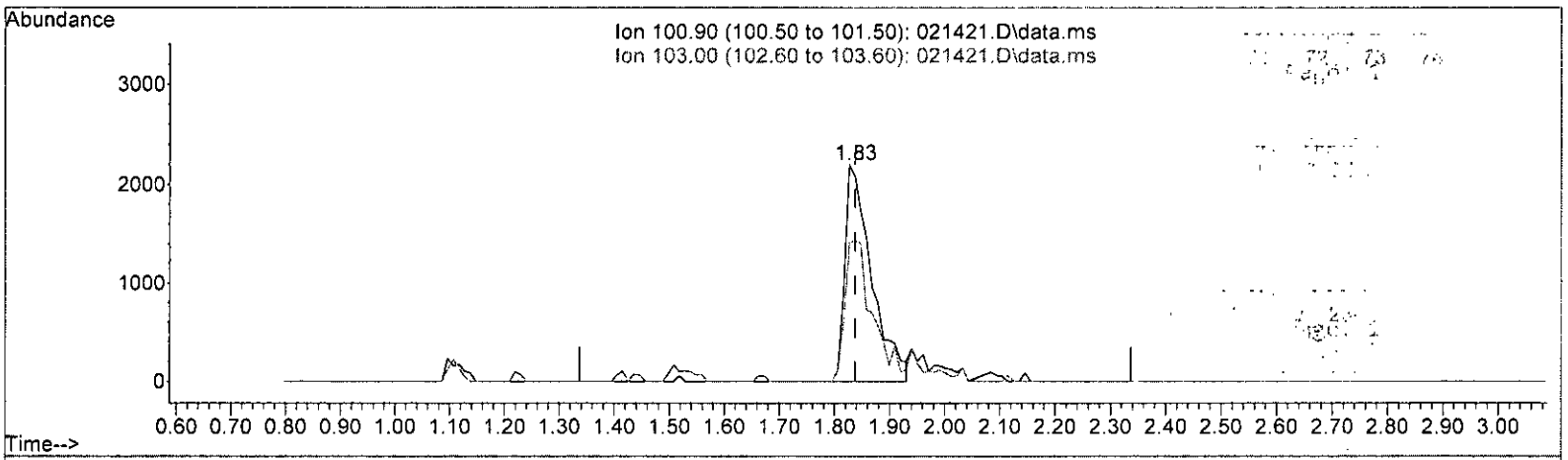
Ion	Exp%	Act%
64.00	100.00	100.00
66.00	35.30	55.07
0.00	0.00	0.00
0.00	0.00	0.00

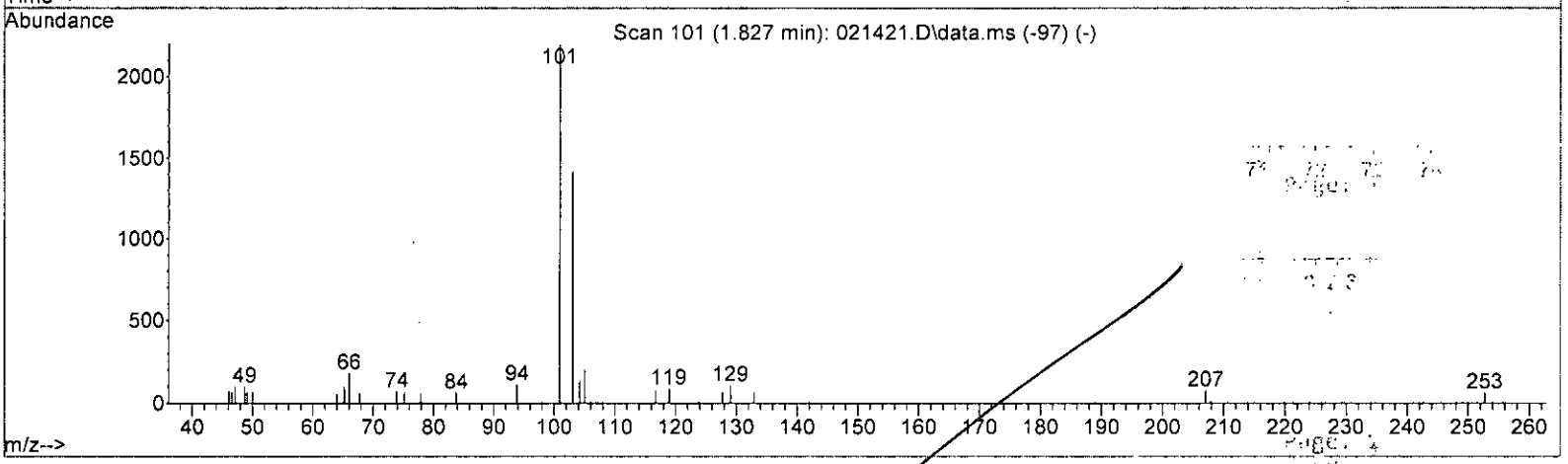
2/15

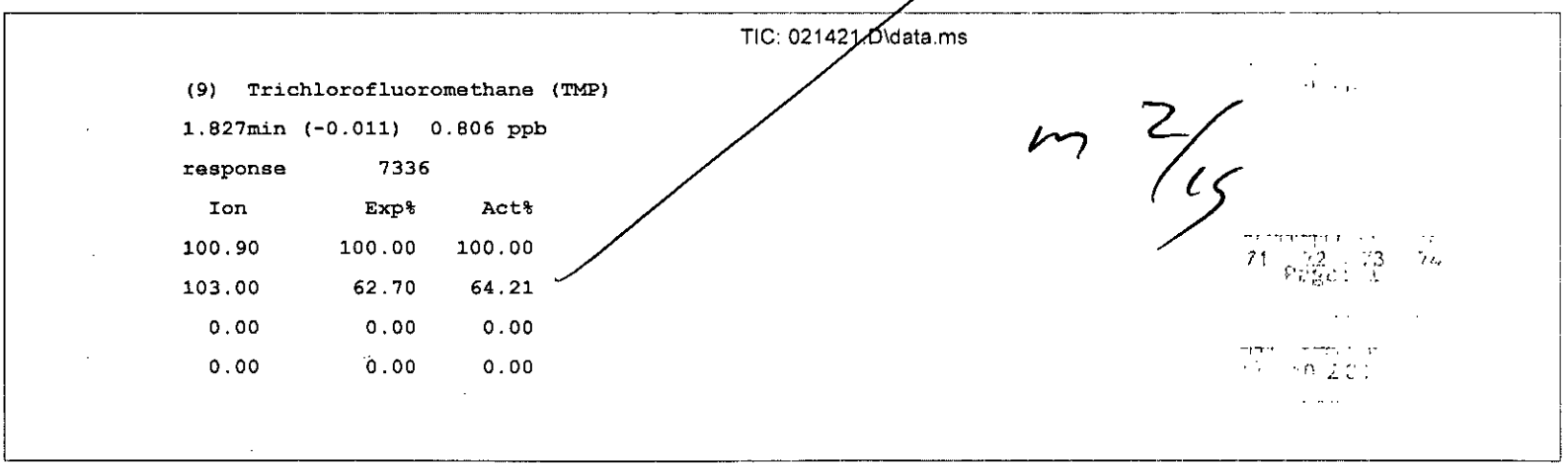
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(9) Trichlorofluoromethane (TMP)
1.827min (-0.011) 0.806 ppb
response 7336

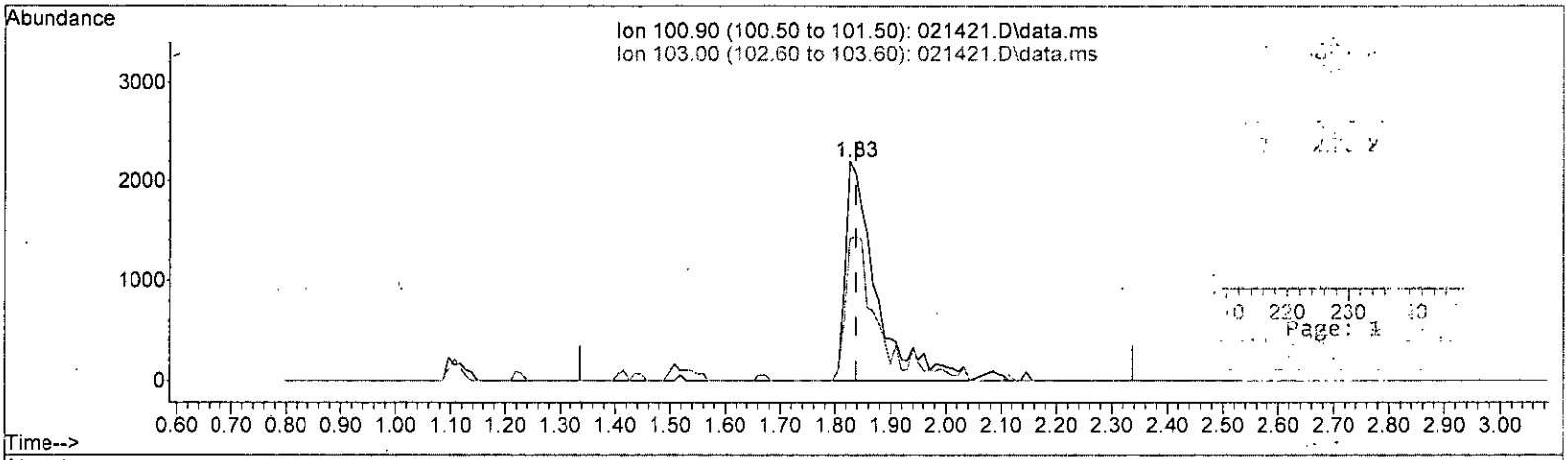
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

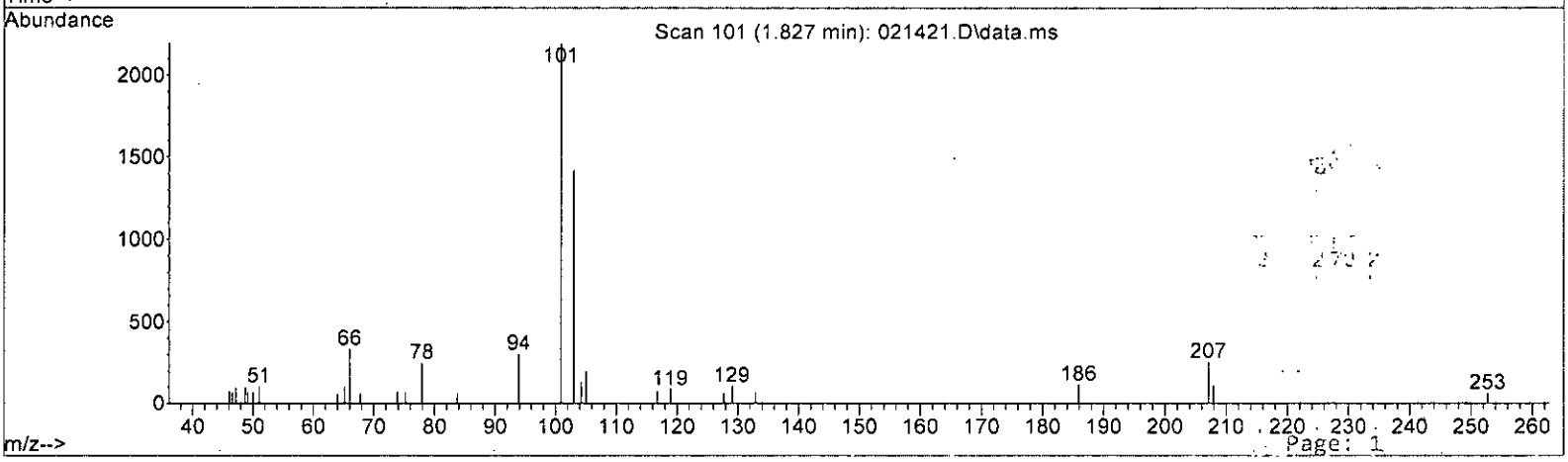
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(9) Trichlorofluoromethane (TMP)

1.827min (-0.011) 0.998 ppb m

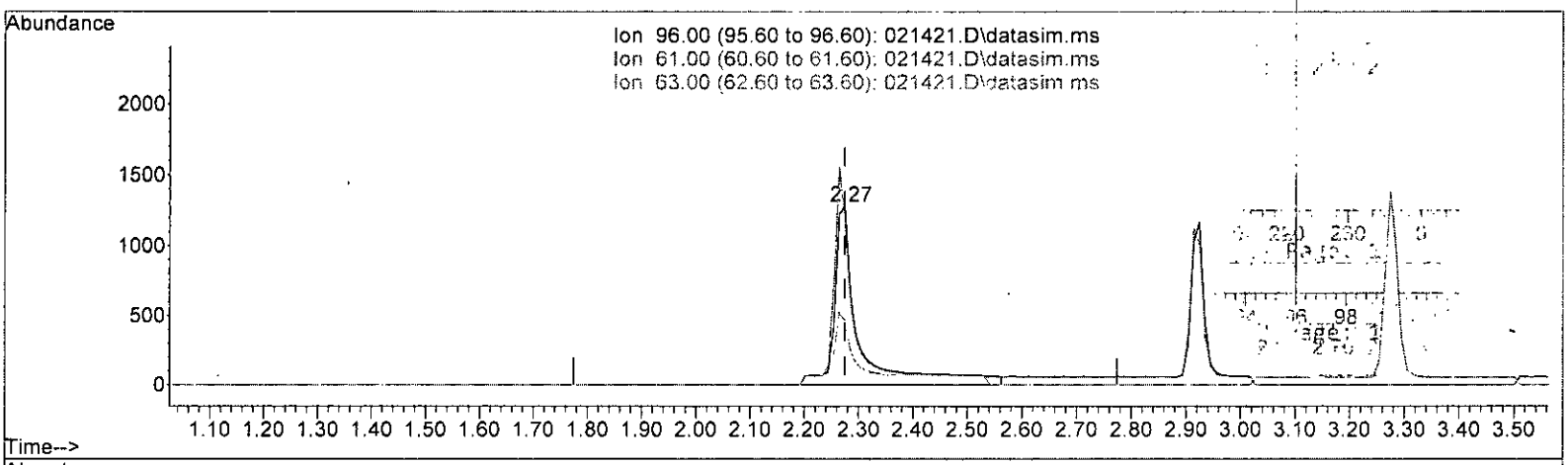
response 9088

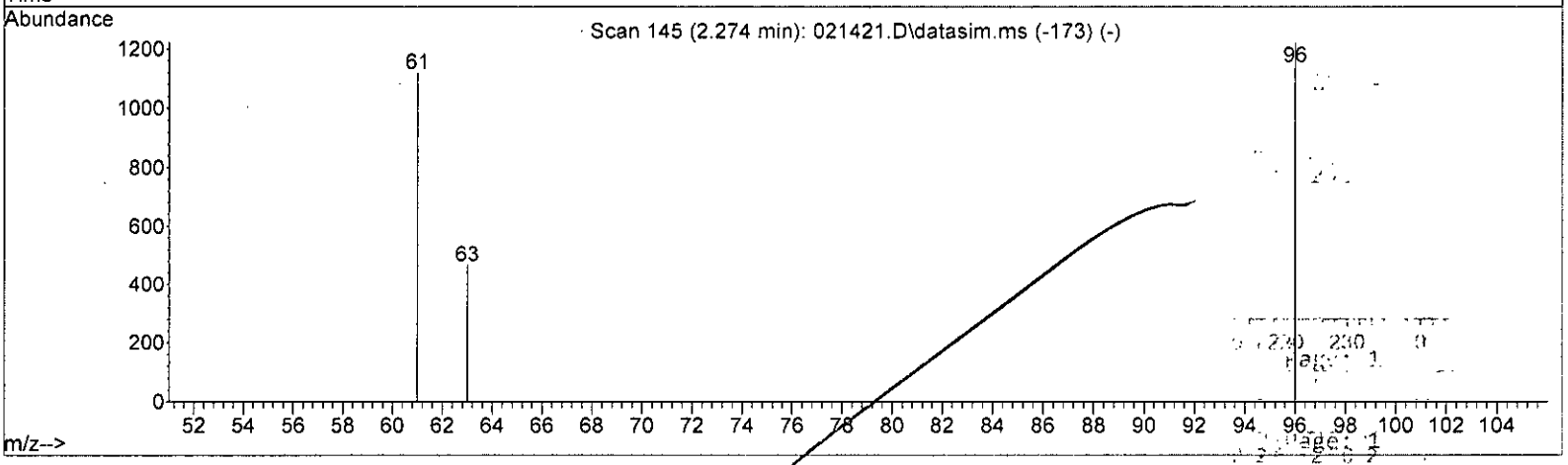
Ion	Exp%	Act%
100.90	100.00	100.00
103.00	62.70	64.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 1.356 ppb

response 4120

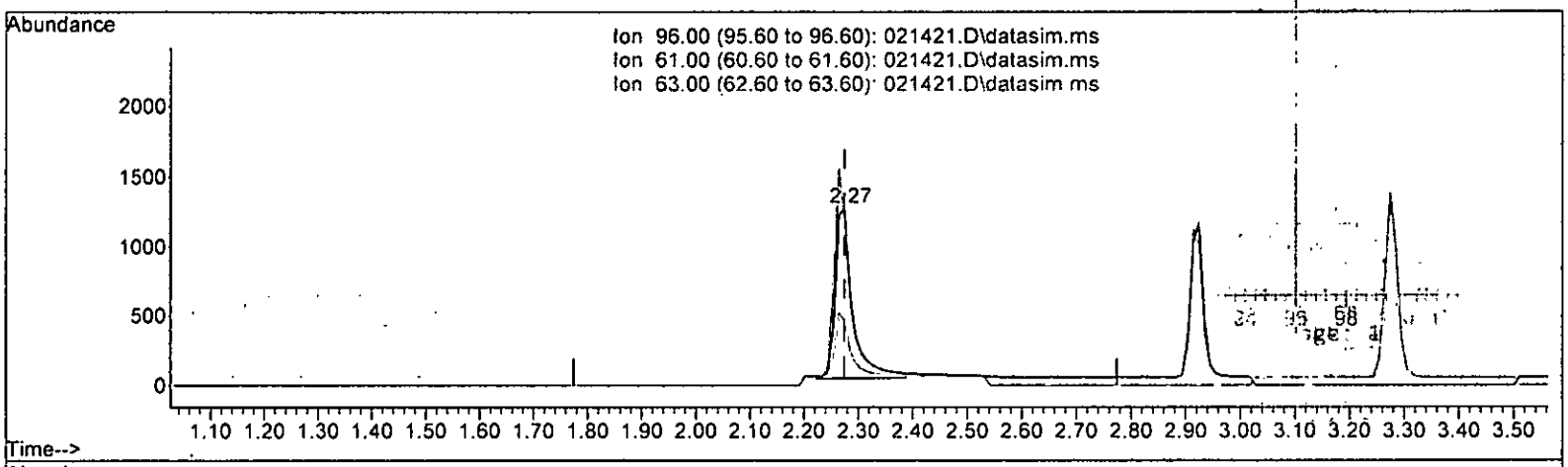
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

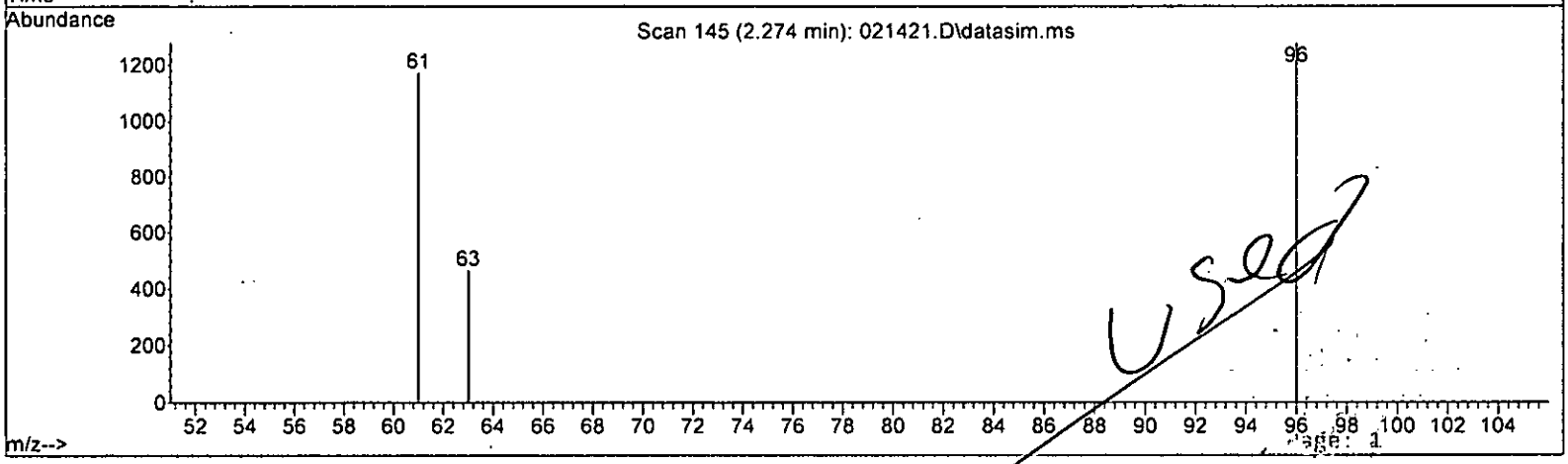
m 2/15

Quantitation Report (Qedit)

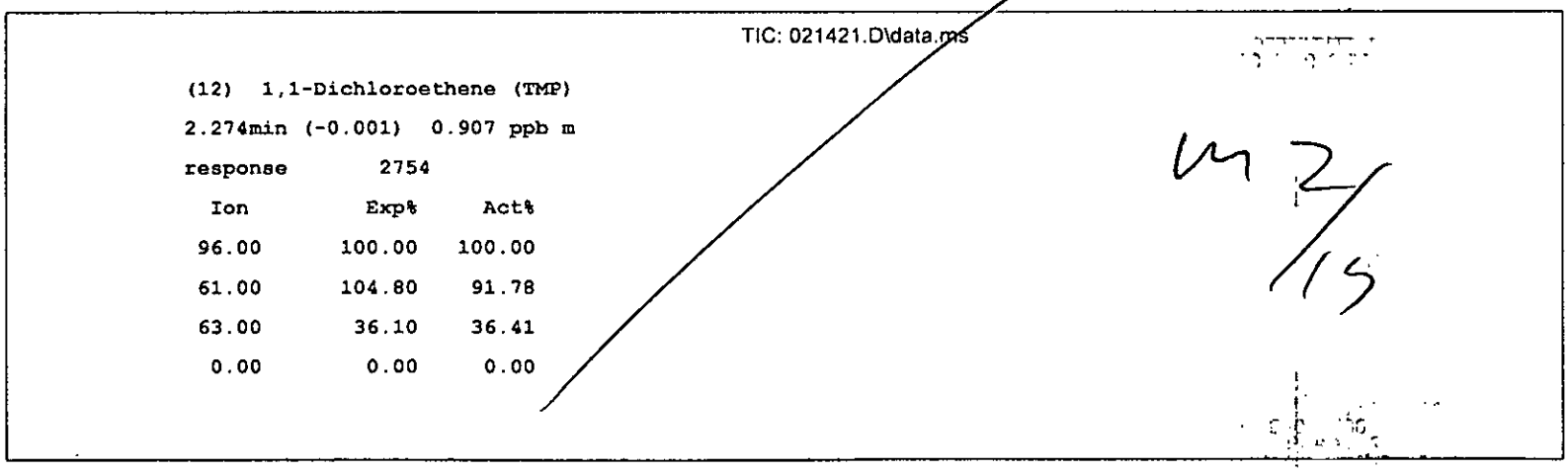
Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Used



(12) 1,1-Dichloroethene (TMP)
2.274min (-0.001) 0.907 ppb m
response 2754

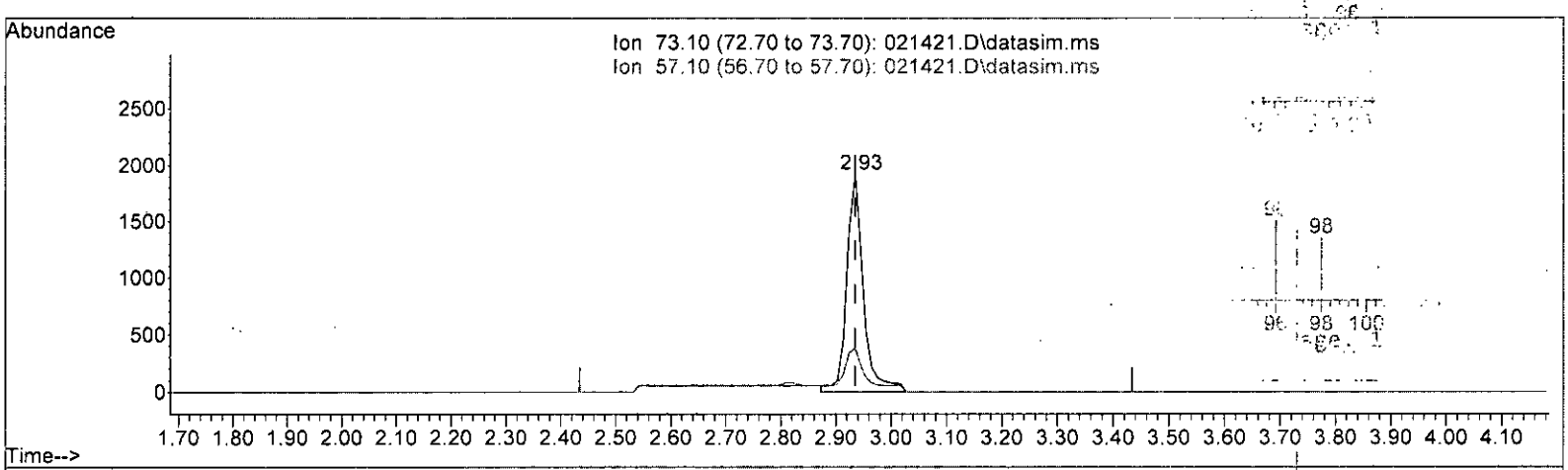
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.78
63.00	36.10	36.41
0.00	0.00	0.00

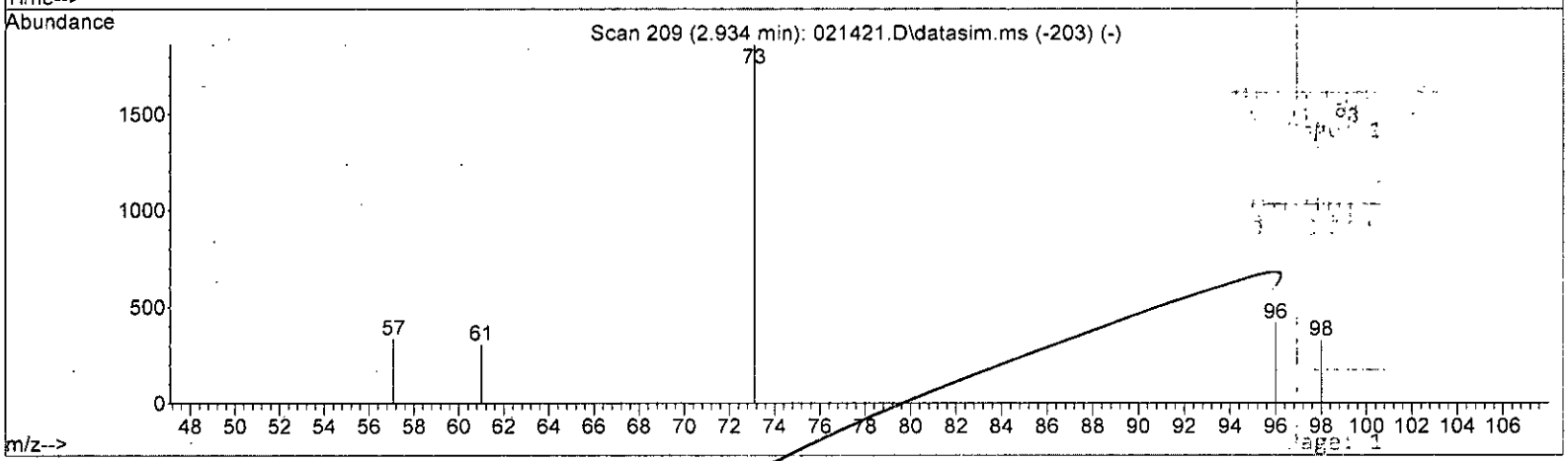
MZ
15

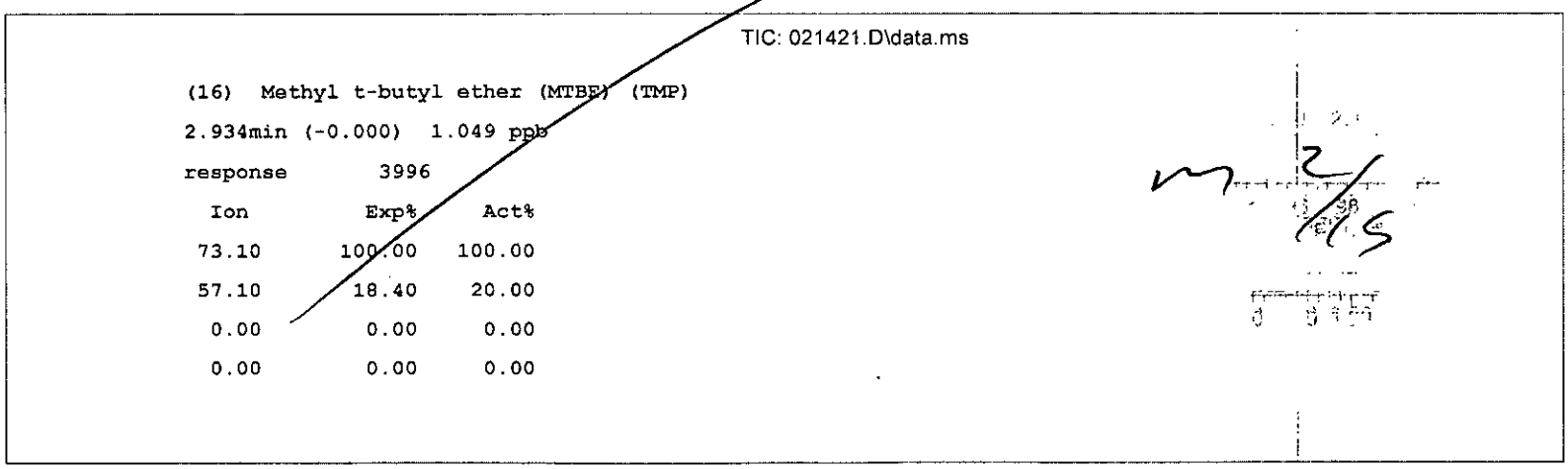
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







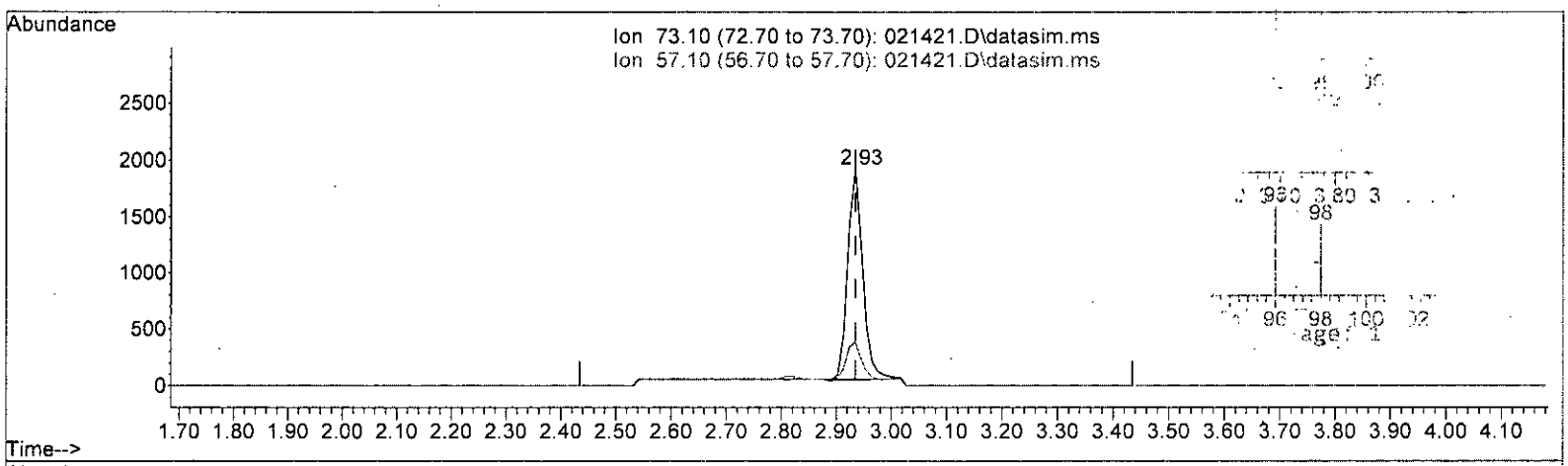
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.049 ppb
response 3996

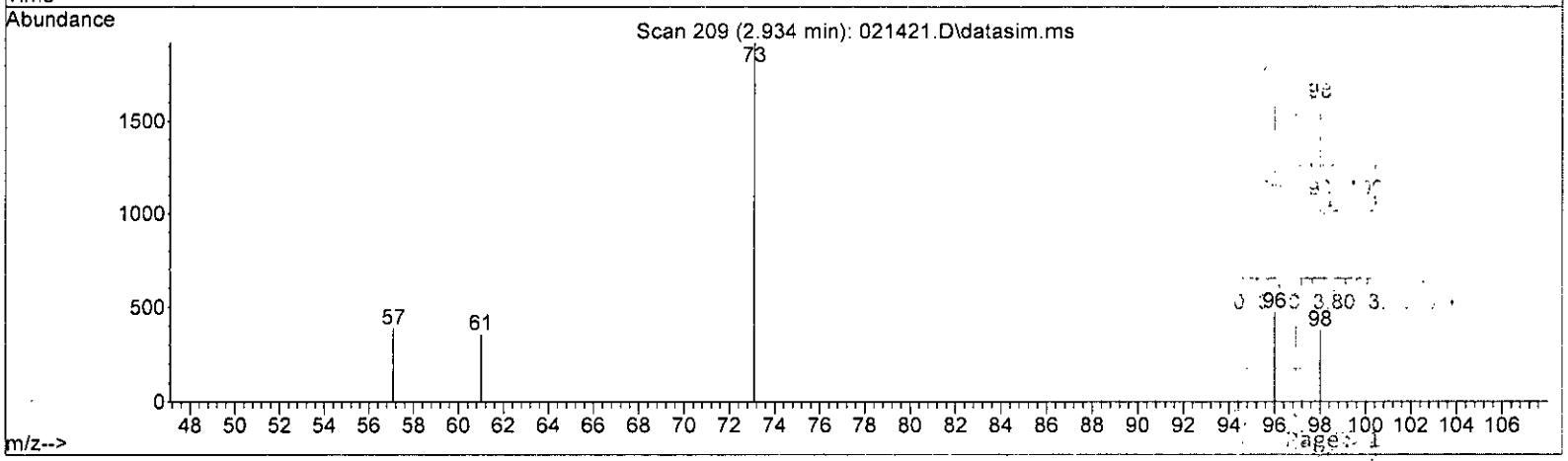
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.934min (-0.000) 0.925 ppb m

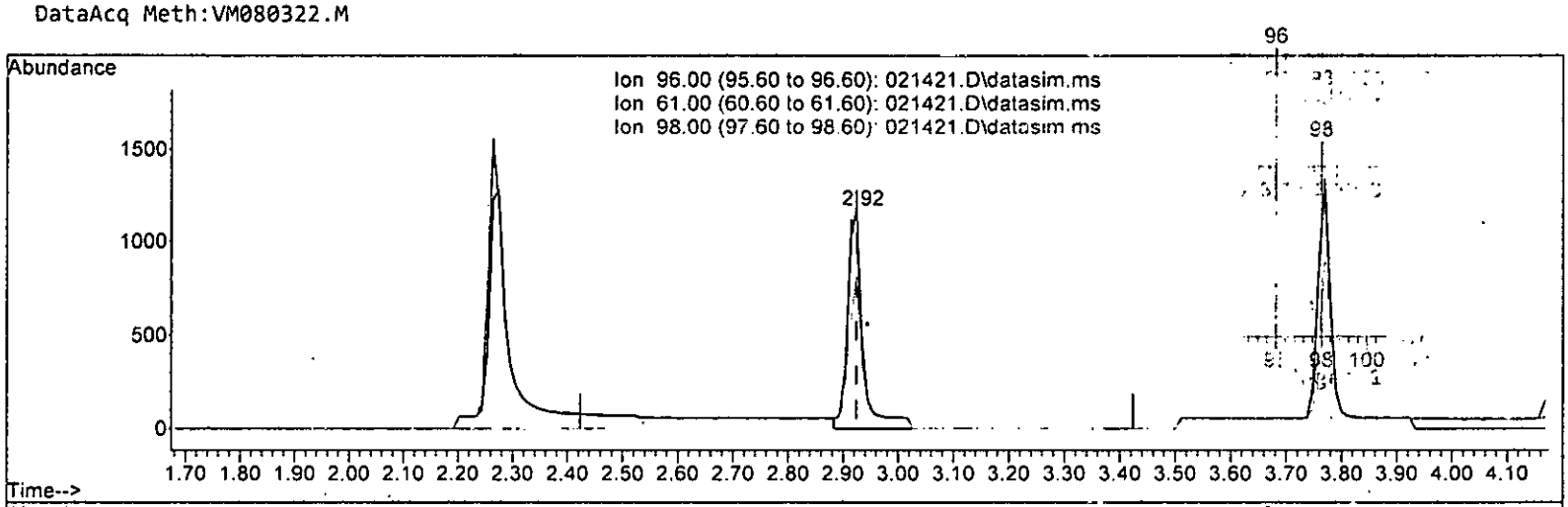
response 3526

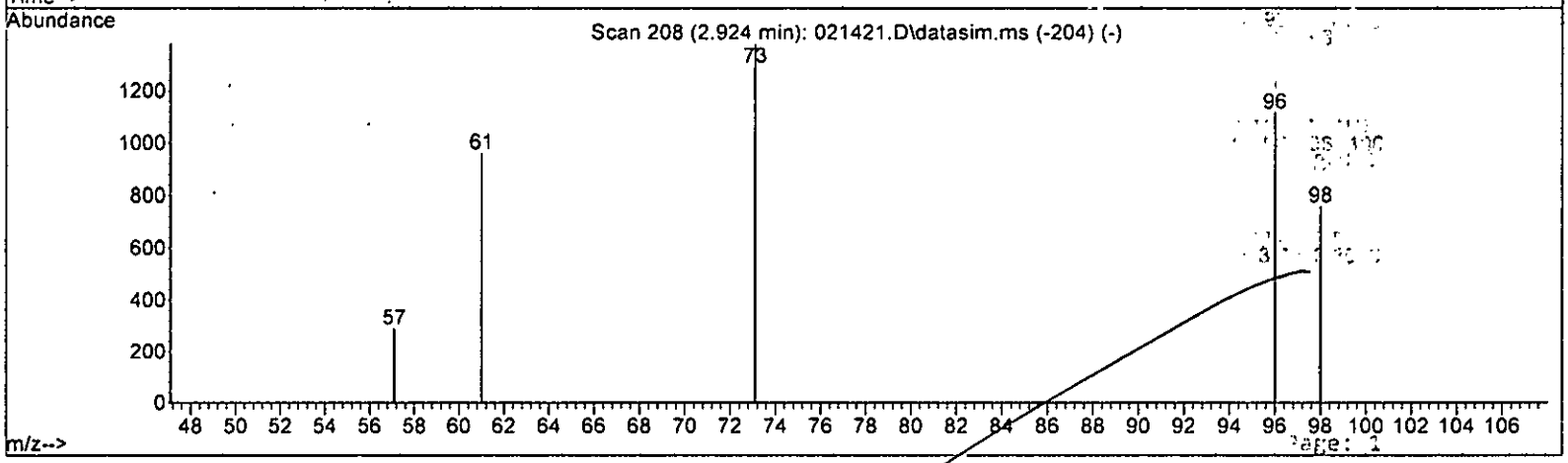
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	20.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 1.144 ppb

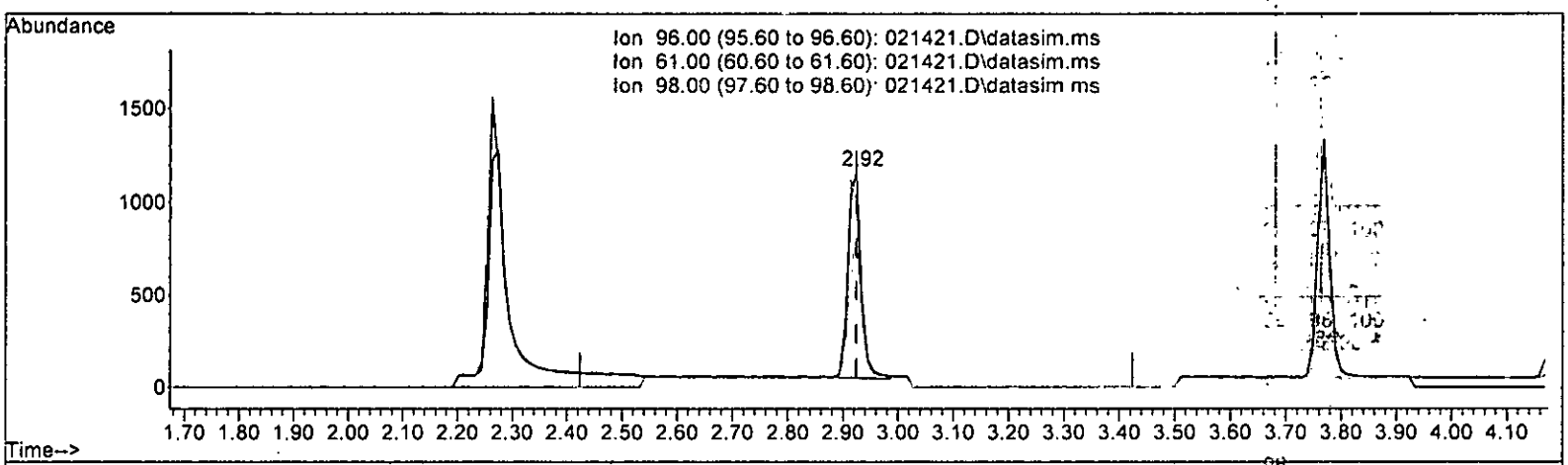
response 2245

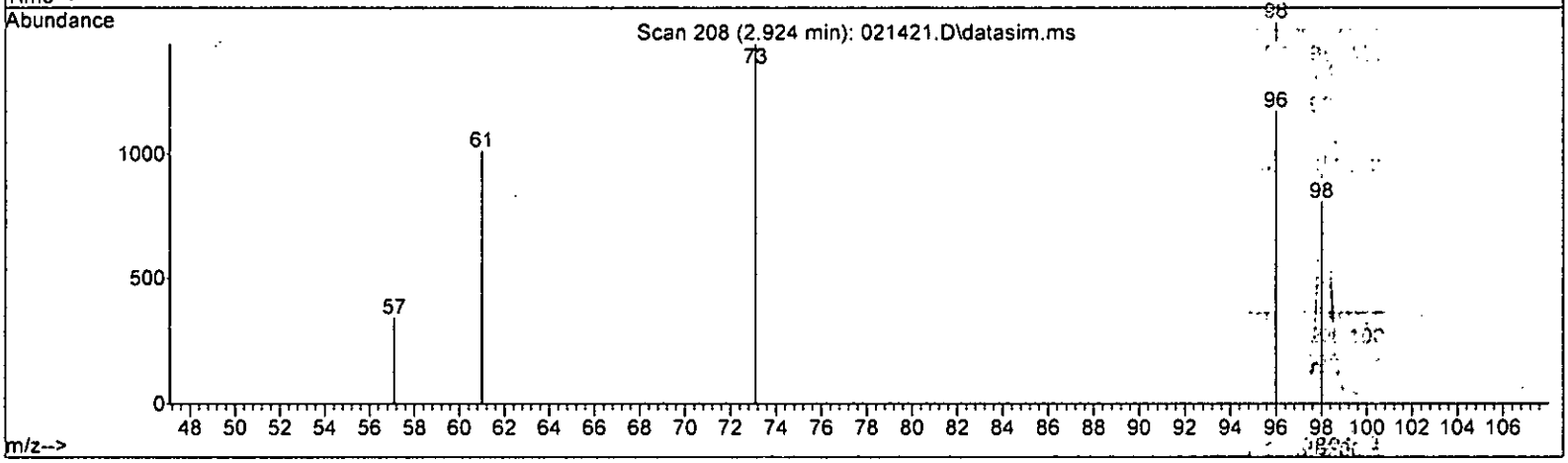
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

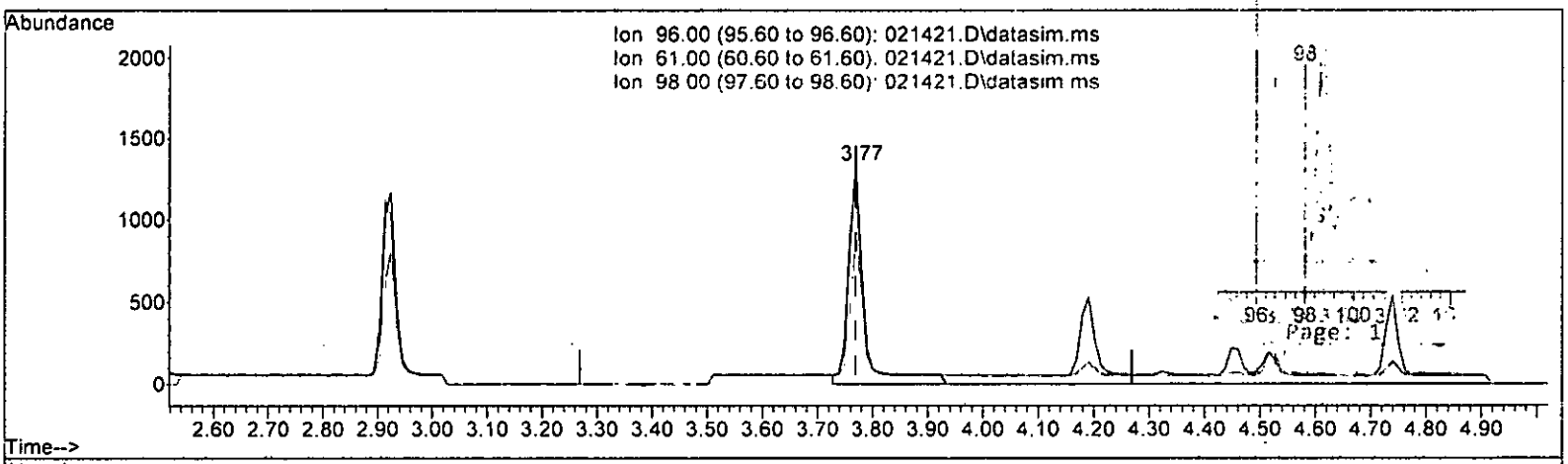
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.934 ppb m
response 1833

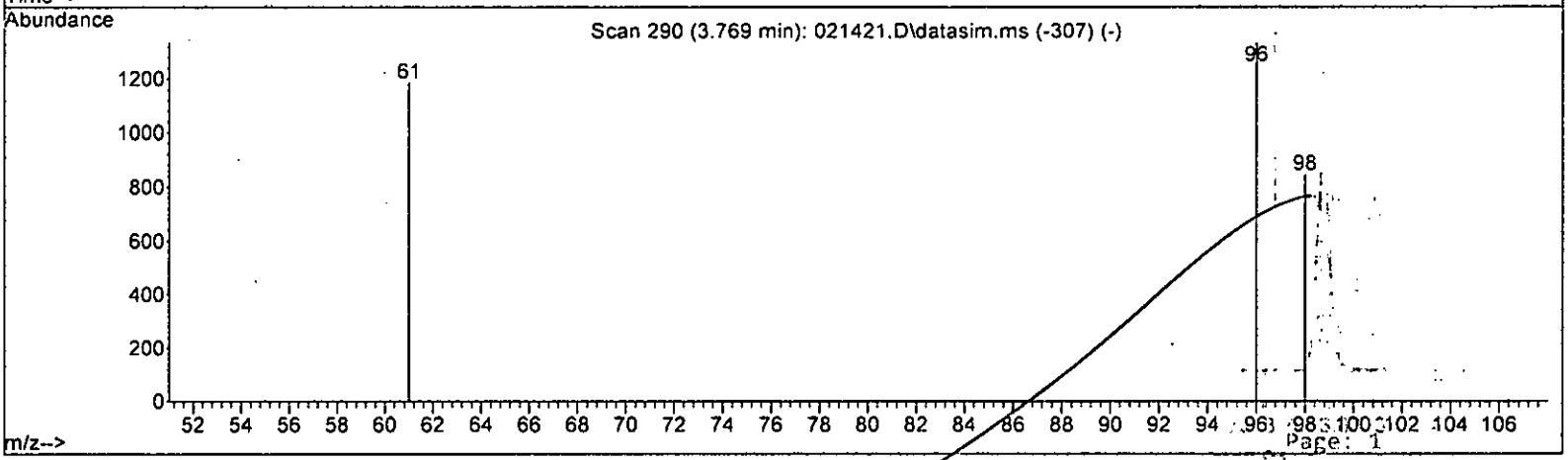
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	86.40
98.00	65.40	68.86
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.769min (-0.000) 1.245 ppb

response 2593

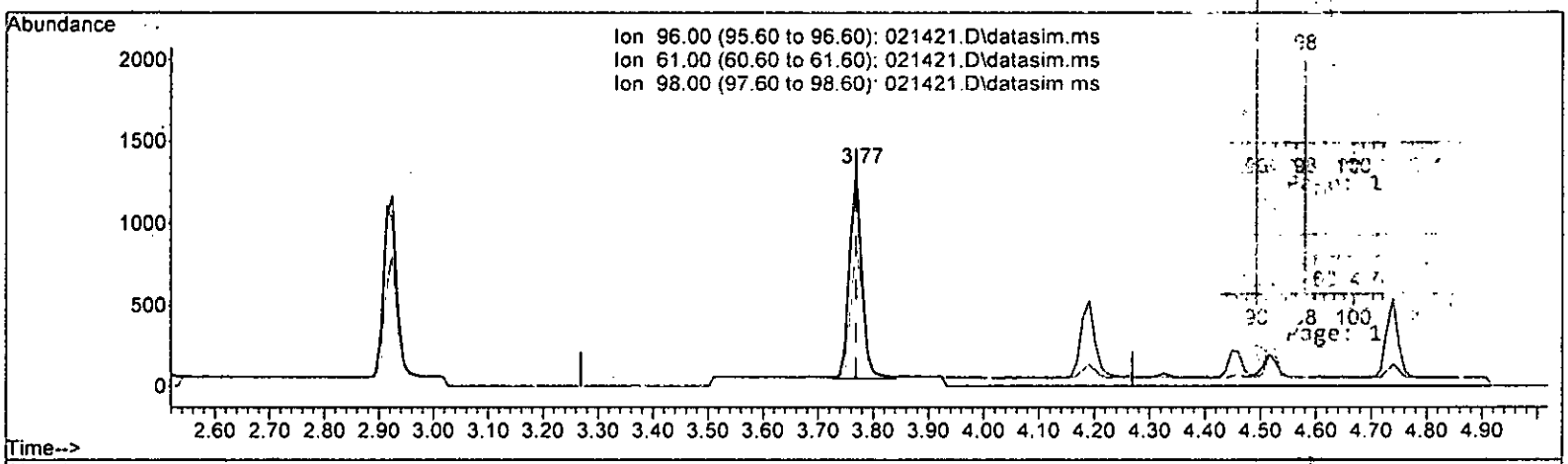
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	88.70
98.00	63.00	63.25
0.00	0.00	0.00

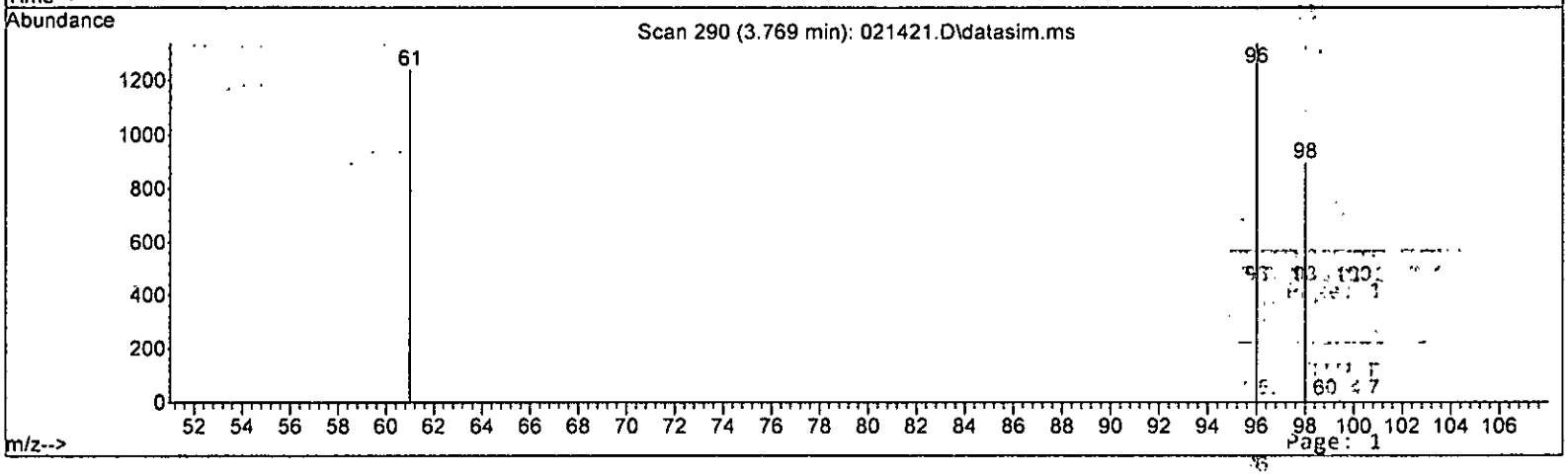
VB021423ms13.M Wed Feb 15 10:59:56 2023 Page: 1

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021421.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)
3.769min (-0.000) 0.951 ppb m
response 1981

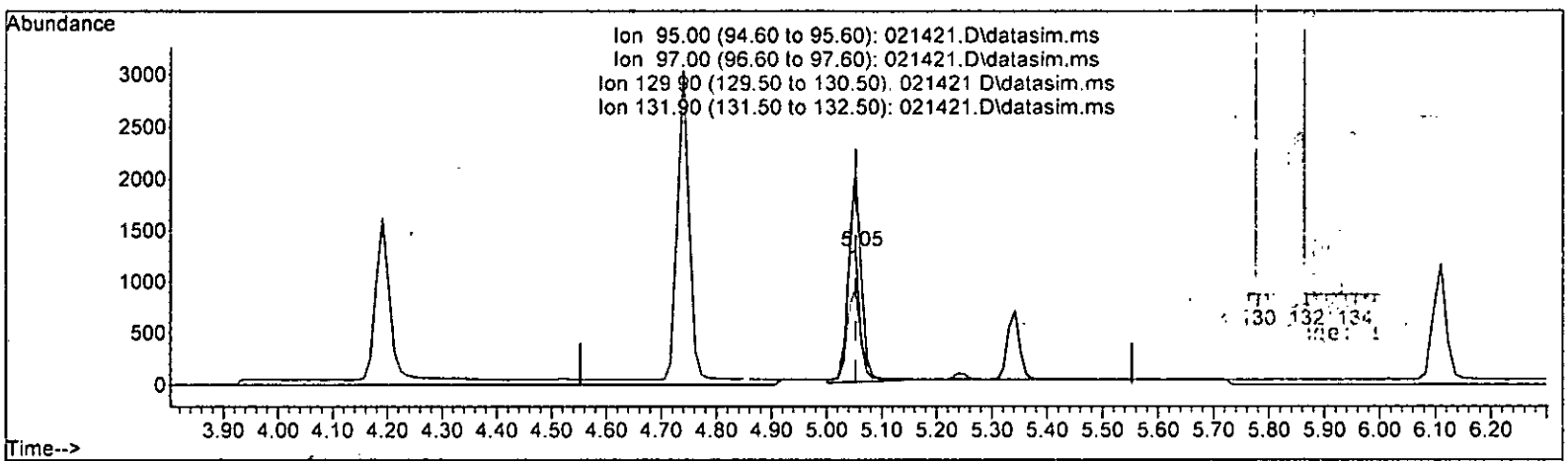
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	92.66
98.00	63.00	67.07
0.00	0.00	0.00

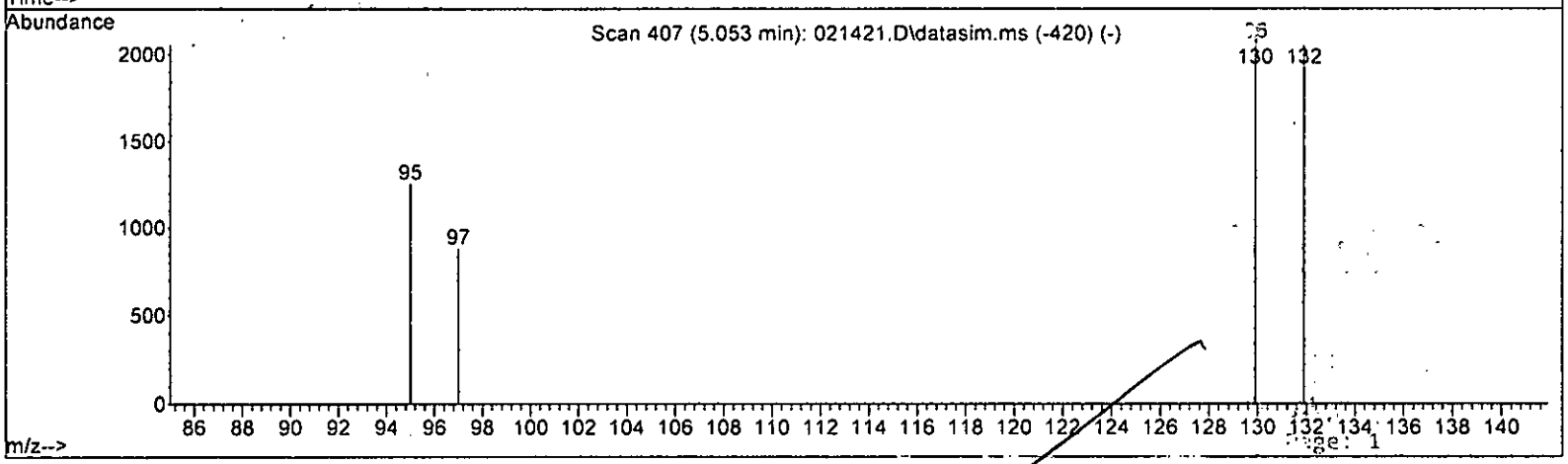
m 2 4/15

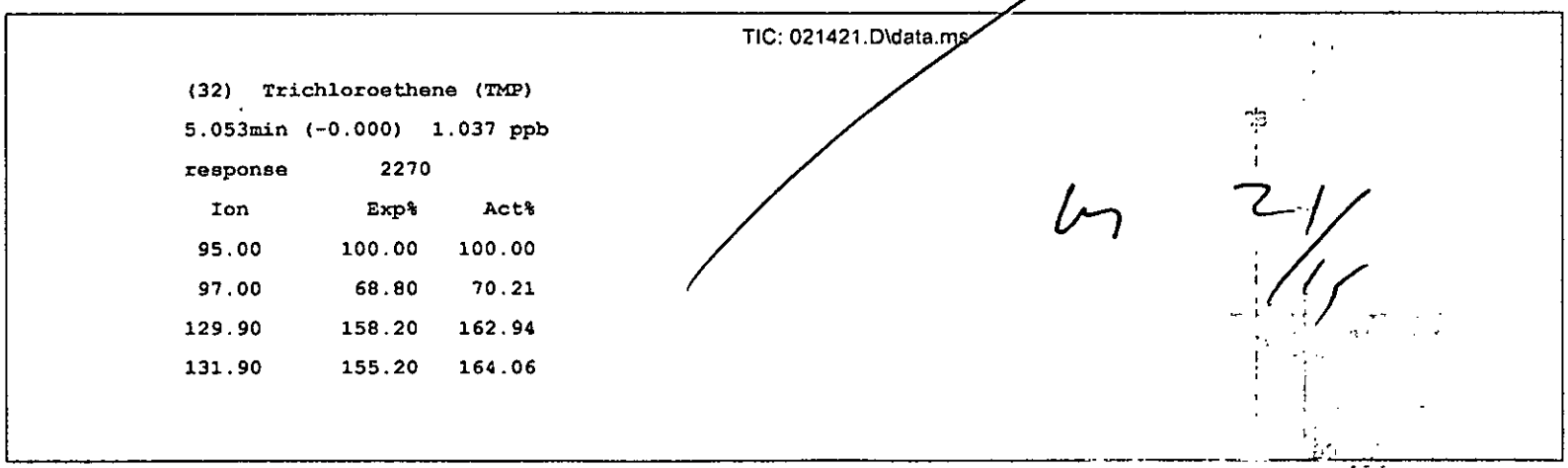
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







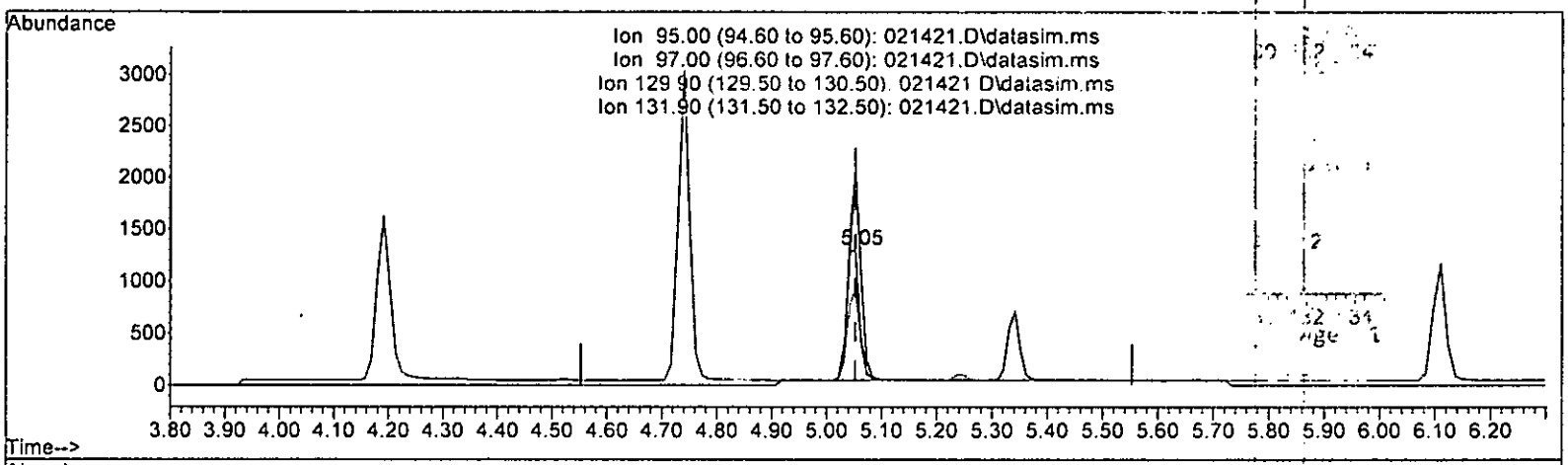
(32) Trichloroethene (TMP)
5.053min (-0.000) 1.037 ppb
response 2270

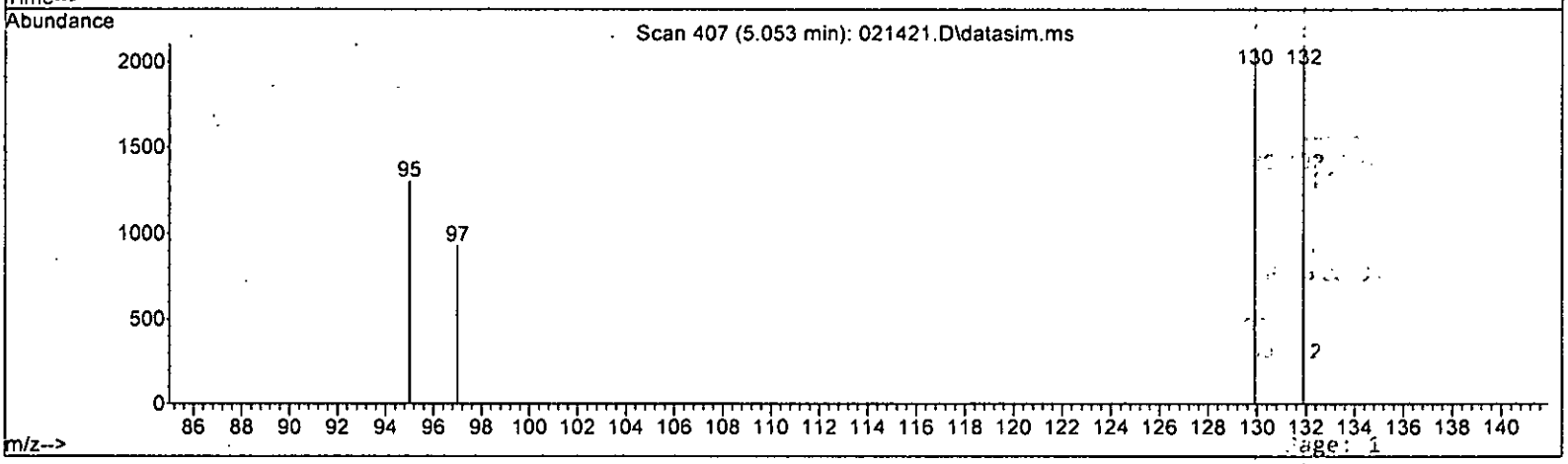
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	70.21
129.90	158.20	162.94
131.90	155.20	164.06

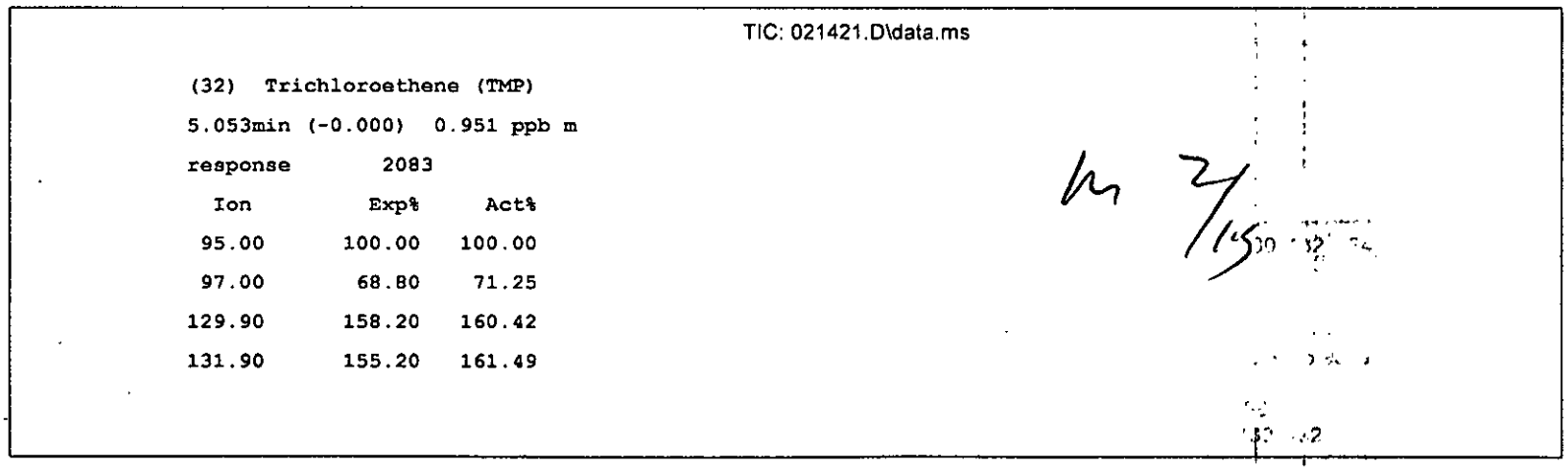
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







(32) Trichloroethene (TMP)
5.053min (-0.000) 0.951 ppb m
response 2083

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	71.25
129.90	158.20	160.42
131.90	155.20	161.49

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.562	4.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.949	5.1	112	0.00
5	TMP	Chloromethane	1.000	0.980	2.0	100	0.00
6	TMP	Vinyl chloride	1.000	0.936	6.4	110	-0.01
7	TMP	Bromomethane	1.000	0.000	100.0#	0	-1.57#
8	TMP	Chloroethane	1.000	0.938	6.2	106	-0.01
9	TMP	Trichlorofluoromethane	1.000	0.998	0.2	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	5.000	4.783	4.3	100	0.00
12	TMP	1,1-Dichloroethene	1.000	0.907	9.3	101	0.00
13	TMP	Hexane	1.000	0.918	8.2	100	0.00
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.69#
15	TMP	t-Butyl alcohol (TBA)	5.000	4.661	6.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	1.000	0.925	7.5	100	0.00
17	TMP	trans-1,2-Dichloroethene	1.000	0.934	6.6	102	0.00
18	TMP	Diisopropyl ether (DIPE)	1.000	0.885	11.5	100	0.00
19	TMP	1,1-Dichloroethane	1.000	0.948	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.986	1.4	100	-0.01
21	TMP	2,2-Dichloropropane	1.000	0.978	2.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	1.000	0.951	4.9	102	0.00
23	TMP	Chloroform	1.000	0.996	0.4	100	0.00
24	TMP	2-Butanone (MEK)	5.000	4.395	12.1	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	1.000	1.003	-0.3	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.997	0.3	100	0.00
27	TMP	1,1,1-Trichloroethane	1.000	0.947	5.3	100	0.00
28	TMP	1,1-Dichloropropene	1.000	0.946	5.4	100	0.00
29	TMP	Carbon tetrachloride	1.000	0.898	10.2	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	9.701	3.0	100	0.00
31	TMP	Benzene	1.000	0.966	3.4	100	0.00
32	TMP	Trichloroethene	1.000	0.951	4.9	99	0.00
33	TMP	1,2-Dichloropropane	1.000	1.010	-1.0	100	0.00
34	TMP	Bromodichloromethane	1.000	0.894	10.6	100	0.00
35	S	Toluene-d8	10.000	9.183	8.2	100	0.00
36	TMP	Dibromomethane	1.000	0.936	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	5.000	4.600	8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	1.000	0.972	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	1.017	-1.7	100	0.00
41	TMP	trans-1,3-Dichloropropene	1.000	0.895	10.5	100	0.00
42	TMP	1,1,2-Trichloroethane	1.000	1.015	-1.5	100	-0.01
43	TMP	2-Hexanone	5.000	4.915	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	1.014	-1.4	100	0.00
45	TMP	Tetrachloroethene	1.000	1.042	-4.2	100	0.00
46	TMP	Dibromochloromethane	1.000	0.951	4.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.981	1.9	100	0.00
48	TMP	Chlorobenzene	1.000	1.021	-2.1	100	0.00
49	TMP	Ethylbenzene	1.000	1.018	-1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.999	0.1	100	0.00
51	TMP	m,p-Xylene	2.000	2.064	-3.2	100	0.00
52	TMP	o-Xylene	1.000	1.023	-2.3	100	0.00
53	TMP	Styrene	1.000	1.015	-1.5	100	0.00
54	TMP	Isopropylbenzene	1.000	0.991	0.9	100	0.00
55	TMP	Bromoform	1.000	0.941	5.9	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.128	-1.3	100	0.00
58	TMP	n-Propylbenzene	1.000	1.014	-1.4	100	0.00
59	TMP	Bromobenzene	1.000	1.041	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.000	1.051	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	1.000	1.045	-4.5	100	0.00
62	TMP	1,2,3-Trichloropropane	1.000	1.166	-16.6	100	0.00
63	TMP	2-Chlorotoluene	1.000	1.097	-9.7	100	0.00
64	TMP	4-Chlorotoluene	1.000	0.981	1.9	100	0.00
65	TMP	tert-Butylbenzene	1.000	1.030	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.000	0.983	1.7	100	0.00
67	TMP	sec-Butylbenzene	1.000	1.015	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	1.000	0.971	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.000	1.052	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.000	1.035	-3.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	1.000	0.899	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	1.000	0.933	6.7	100	0.00
74	TMP	Hexachlorobutadiene	1.000	0.960	4.0	100	0.00
75	TMP	Naphthalene	1.000	0.957	4.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	1.000	0.990	1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.299	4.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.693	5.1	112	0.00
5	TMP	Chloromethane	0.500	0.490	2.0	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	110	-0.01
7	TMP	Bromomethane	0.491	0.000#	100.0#	0#	-1.57#
8	TMP	Chloroethane	0.247	0.224	9.3	106	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.317	0.2	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.026	-4.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.399	9.3	101	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.000#	100.0#	0#	-2.69#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.511	7.4	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.266	6.3	102	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.426#	11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.310	5.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.248	3.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.225	4.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.287	5.0	102	0.00
23	TMP	Chloroform	0.430	0.428	0.5	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.078	12.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.518	-0.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.287	4.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.414	5.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.277	5.5	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.396	14.5	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.060	3.2	100	0.00
31	TMP	Benzene	0.876	0.822	6.2	100	0.00
32	TMP	Trichloroethene	0.338	0.302	10.7	99	0.00
33	TMP	1,2-Dichloropropane	0.173	0.175	-1.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.277	7.7	100	0.00
35	S	Toluene-d8	0.931	0.855	8.2	100	0.00
36	TMP	Dibromomethane	0.171	0.161	5.8	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.287	7.1	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.727	4.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.283	10.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.206	-1.5	100	-0.01
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.344	-1.2	100	0.00
45	TMP	Tetrachloroethene	0.452	0.451	0.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.416	4.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.325	1.8	100	0.00
48	TMP	Chlorobenzene	0.967	0.987	-2.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.307	1.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.584	1.0	100	0.00
52	TMP	o-Xylene	0.566	0.561	0.9	100	0.00
53	TMP	Styrene	0.855	0.867	-1.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.381	0.9	100	0.00
55	TMP	Bromoform	0.295	0.277	6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.624	-1.1	100	0.00
58	TMP	n-Propylbenzene	2.371	2.405	-1.4	100	0.00
59	TMP	Bromobenzene	0.857	0.892	-4.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.045	-5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.491#	-3.8	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.425#	-16.4	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.543	-10.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.576	1.9	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.115	-3.0	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.957	1.7	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.569	-1.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.422	2.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.614	-5.2	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.550	-5.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.504	-3.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.576	4.0	100	0.00
75	TMP	Naphthalene	1.920	1.665	13.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.779	9.4	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	69009	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	57563	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32787	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	20604	9.562	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 95.60%				
30) 1,2-Dichloroethane-d4	4.45	102	4150	9.701	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 97.00%				
35) Toluene-d8	6.11	98	59006	9.183	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 91.80%				
57) 4-Bromofluorobenzene	8.51	95	20474	10.128	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.30%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	4781m	0.949	ppb		
5) Chloromethane	1.25	50	3381	0.980	ppb		83
6] Vinyl chloride	1.32	62	3561	0.936	ppb		95
7) Bromomethane	0.00		0	N.D.	d		
8] Chloroethane	1.65	64	1544m	0.938	ppb		
9) Trichlorofluoromethane	1.83	101	9088m	0.998	ppb		
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	886	4.783	ppb		89
12] 1,1-Dichloroethene	2.27	96	2754m	0.907	ppb		
13) Hexane	3.16	57	1460	0.918	ppb		97
14) Methylene chloride	0.00		0	N.D.	d		
15) t-Butyl alcohol (TBA)	2.81	59	667	4.661	ppb		89
16] Methyl t-butyl ether (...	2.93	73	3526m	0.925	ppb		
17] trans-1,2-Dichloroethene	2.92	96	1833m	0.934	ppb		
18) Diisopropyl ether (DIPE)	3.35	45	2939	0.885	ppb		89
19] 1,1-Dichloroethane	3.27	63	2138	0.948	ppb		97
20) Ethyl t-butyl ether (E...	3.65	87	1712	0.986	ppb		86
21) 2,2-Dichloropropane	3.76	77	1554	0.978	ppb		89
22] cis-1,2-Dichloroethene	3.77	96	1981m	0.951	ppb		
23) Chloroform	4.04	83	2952	0.996	ppb		96
24) 2-Butanone (MEK)	3.79	43	2702	4.395	ppb		55
25) t-Amyl methyl ether (T...	4.61	73	3574	1.003	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	1981	0.997	ppb		98
27] 1,1,1-Trichloroethane	4.19	97	2854	0.947	ppb		97
28) 1,1-Dichloropropene	4.33	75	1914	0.946	ppb		95
29) Carbon tetrachloride	4.33	117	2730	0.898	ppb		97
31] Benzene	4.50	78	5673	0.966	ppb		98
32] Trichloroethene	5.05	95	2083m	0.951	ppb		
33) 1,2-Dichloropropane	5.24	63	1205	1.010	ppb	#	80
34) Bromodichloromethane	5.48	83	1911	0.894	ppb		97
36) Dibromomethane	5.34	93	1108	0.936	ppb		91

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

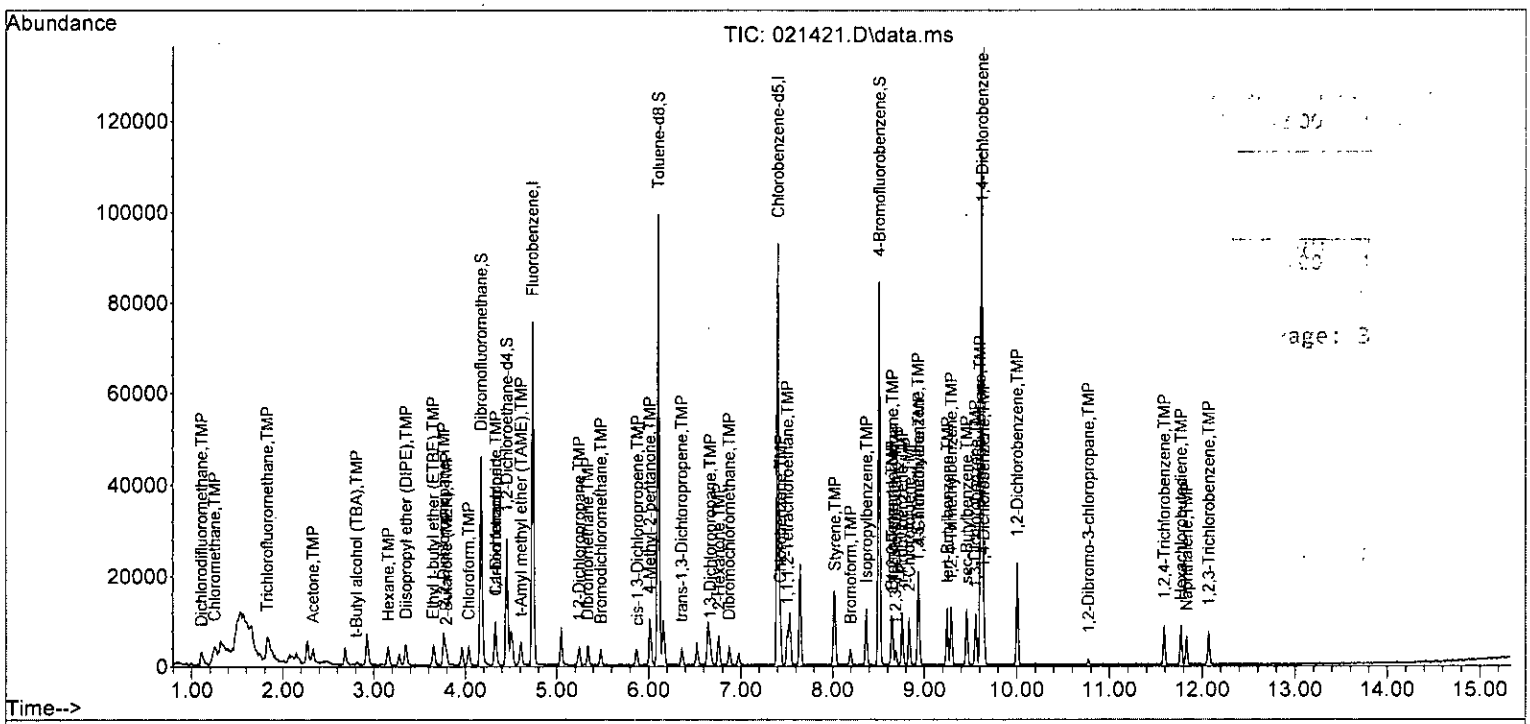
Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

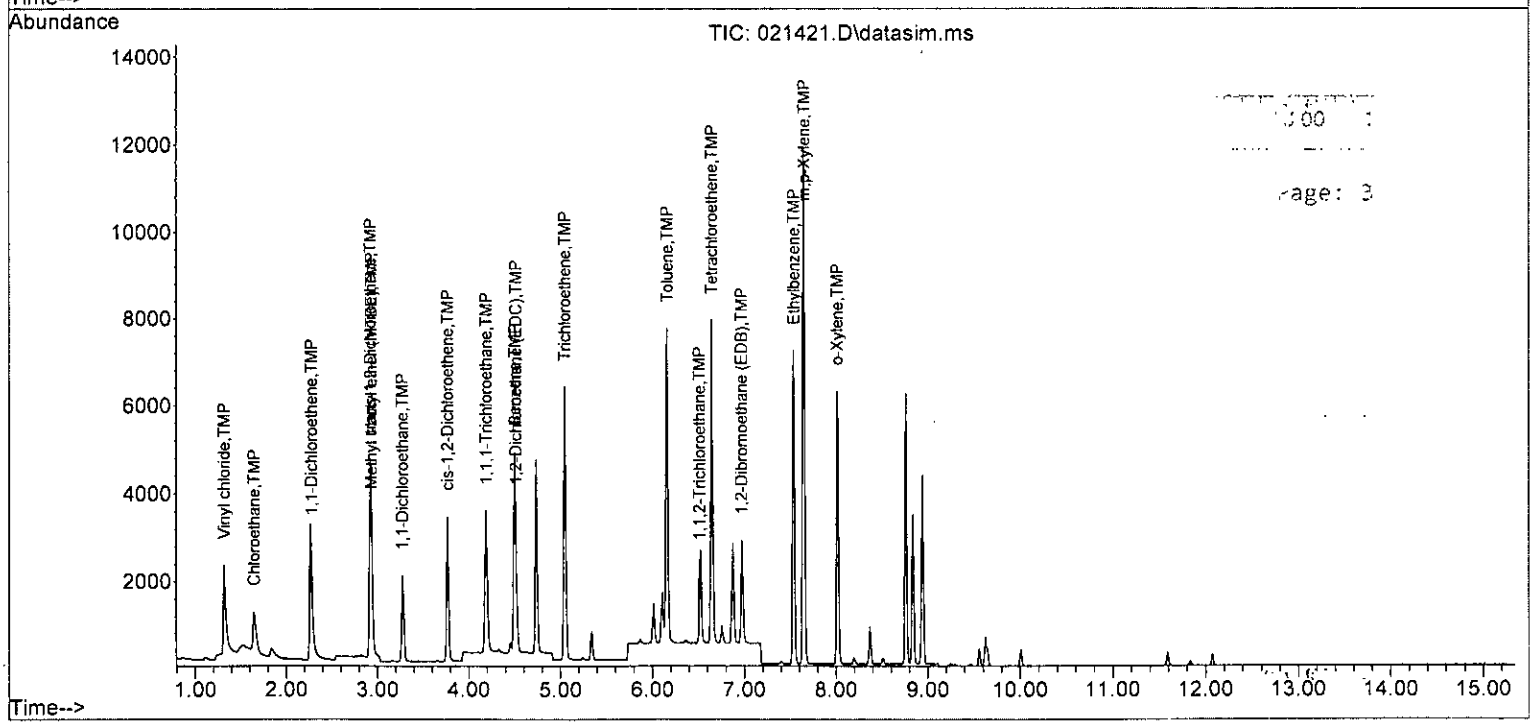
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	1364	4.600	ppb		99
38) cis-1,3-Dichloropropene	5.88	75	1981	0.972	ppb		97
40] Toluene	6.16	92	4185	1.017	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	1629	0.895	ppb		84
42] 1,1,2-Trichloroethane	6.51	83	1185	1.015	ppb	#	69
43) 2-Hexanone	6.76	43	4084	4.915	ppb		94
44) 1,3-Dichloropropane	6.67	76	1983	1.014	ppb		91
45] Tetrachloroethene	6.65	164	2596	1.042	ppb		99
46) Dibromochloromethane	6.87	129	2394	0.951	ppb		87
47] 1,2-Dibromoethane (EDB)	6.97	107	1869	0.981	ppb		100
48) Chlorobenzene	7.43	112	5683	1.021	ppb		97
49] Ethylbenzene	7.54	91	7523	1.018	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	2247	0.999	ppb		93
51] m,p-Xylene	7.65	106	6725	2.064	ppb		99
52] o-Xylene	8.01	106	3229	1.023	ppb	#	74
53) Styrene	8.03	104	4993	1.015	ppb		94
54) Isopropylbenzene	8.37	105	7947	0.991	ppb		98
55) Bromoform	8.20	173	1595	0.941	ppb		95
58) n-Propylbenzene	8.76	91	7884	1.014	ppb		100
59) Bromobenzene	8.65	156	2924	1.041	ppb		94
60) 1,3,5-Trimethylbenzene	8.93	105	6705	1.051	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	1611	1.045	ppb		95
62) 1,2,3-Trichloropropane	8.69	75	1395	1.166	ppb		94
63) 2-Chlorotoluene	8.84	91	5058	1.097	ppb		92
64) 4-Chlorotoluene	8.94	91	5166	0.981	ppb		98
65) tert-Butylbenzene	9.25	119	6936	1.030	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	6416	0.983	ppb		96
67) sec-Butylbenzene	9.46	105	8422	1.015	ppb		96
68) p-Isopropyltoluene	9.60	119	7942	0.971	ppb		96
69) 1,3-Dichlorobenzene	9.55	146	5292	1.052	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	5083	1.052	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	4930	1.035	ppb		96
72) 1,2-Dibromo-3-chloropr...	10.77	75	249	0.899	ppb	#	84
73) 1,2,4-Trichlorobenzene	11.59	180	2951	0.933	ppb		91
74) Hexachlorobutadiene	11.77	225	1888	0.960	ppb		92
75) Naphthalene	11.83	128	5460	0.957	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	2554	0.990	ppb		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021421.D
Acq On : 14 Feb 2023 06:47 pm
Operator : lm
Sample : 1 ppb 8260 CCV 68-127K
Misc : Soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:45 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

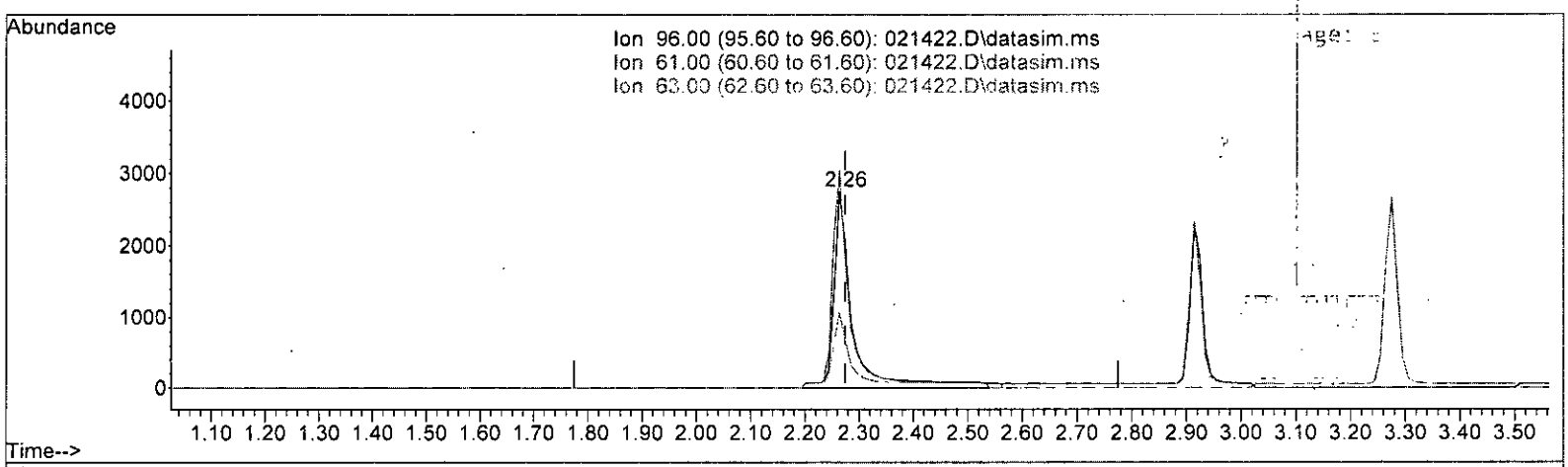


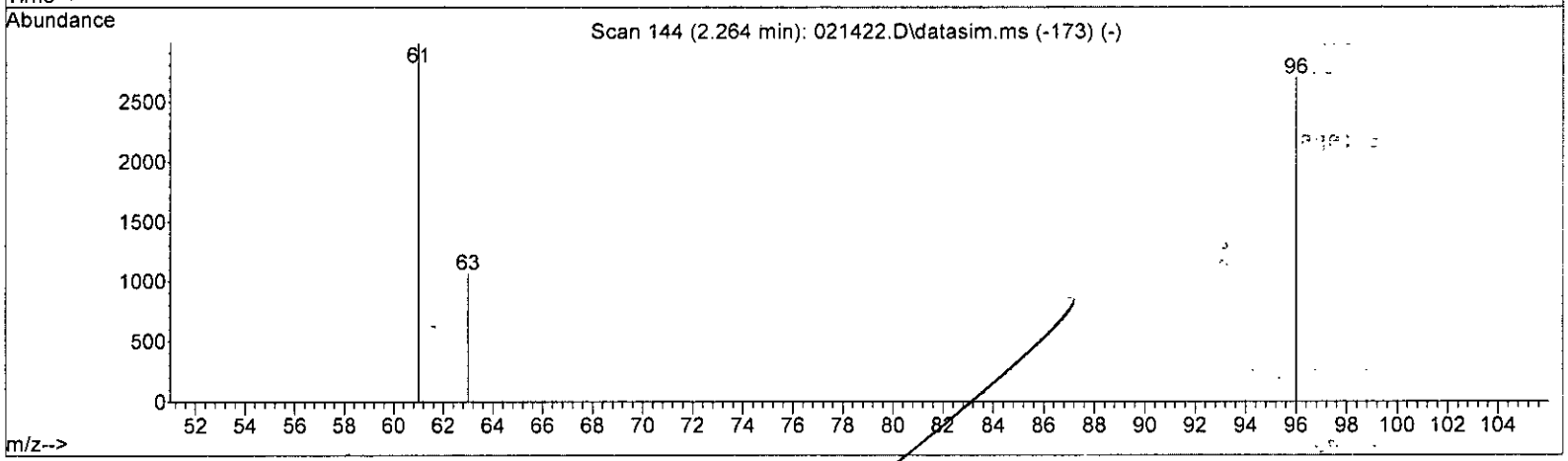


Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)
2.264min (-0.011) 2.222 ppb
response 6685

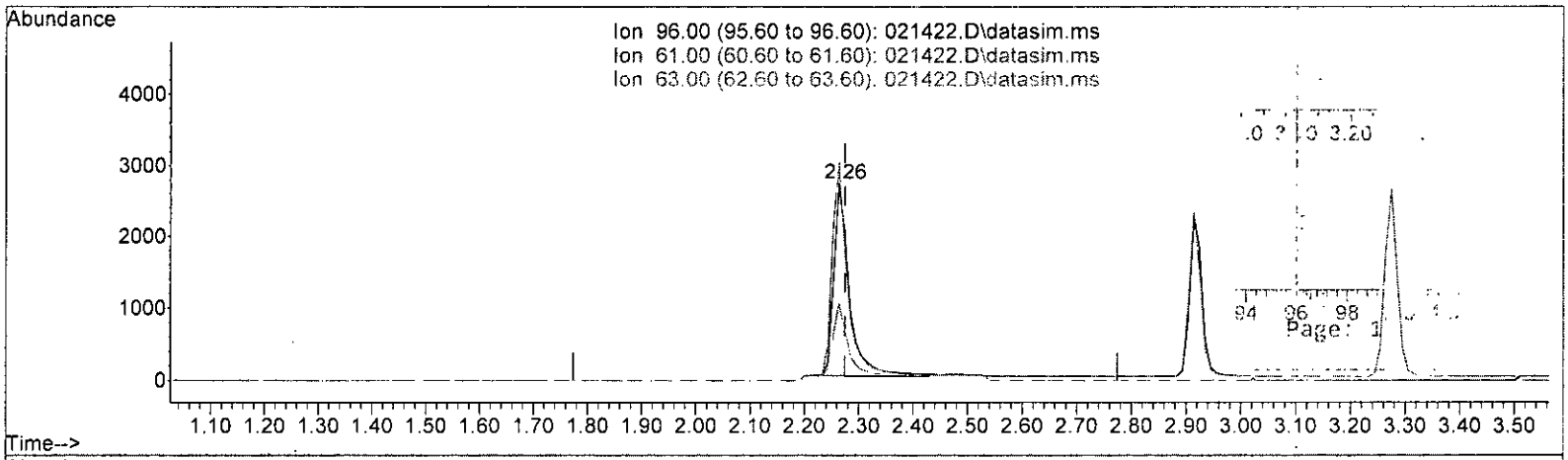
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

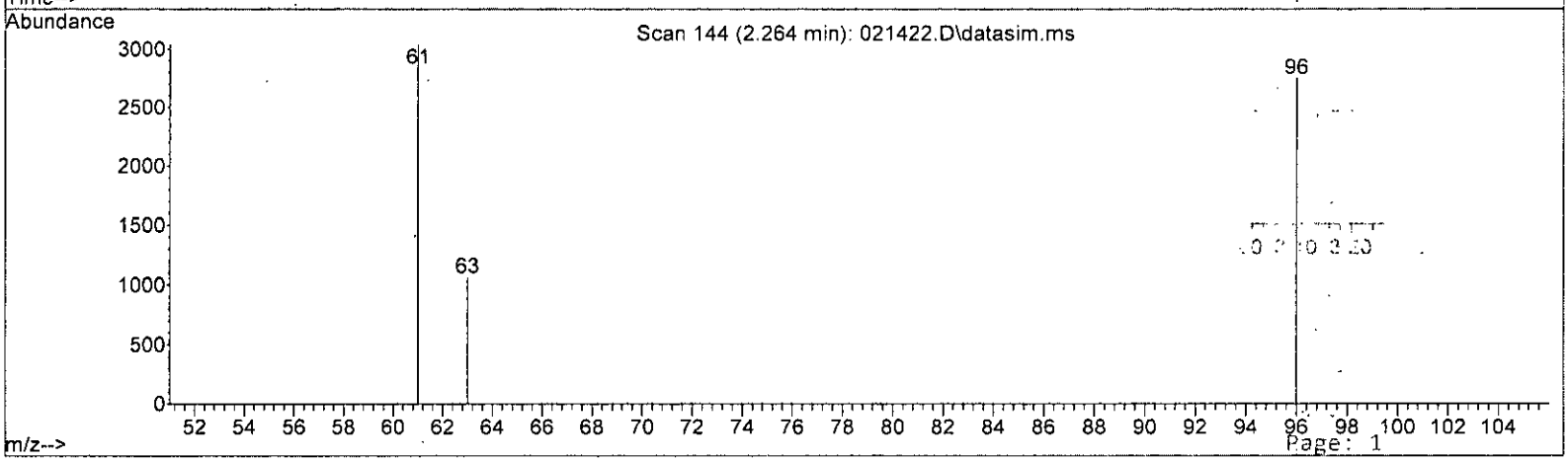
m 2/15

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (-0.011) 1.738 ppb m

response 5230

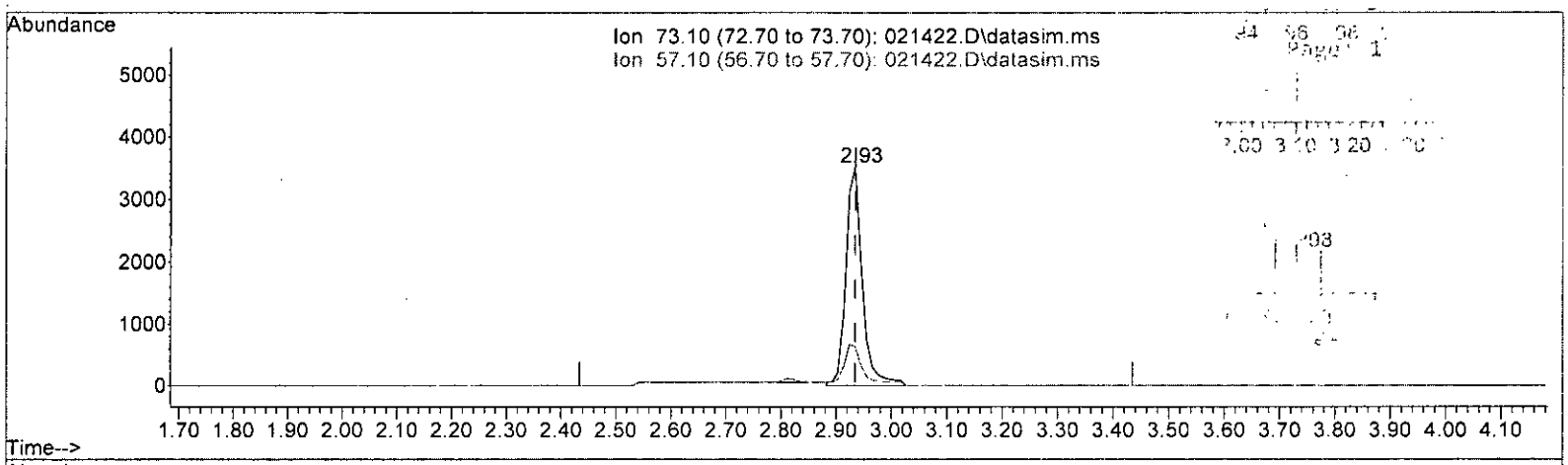
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	110.48
63.00	36.10	38.59
0.00	0.00	0.00

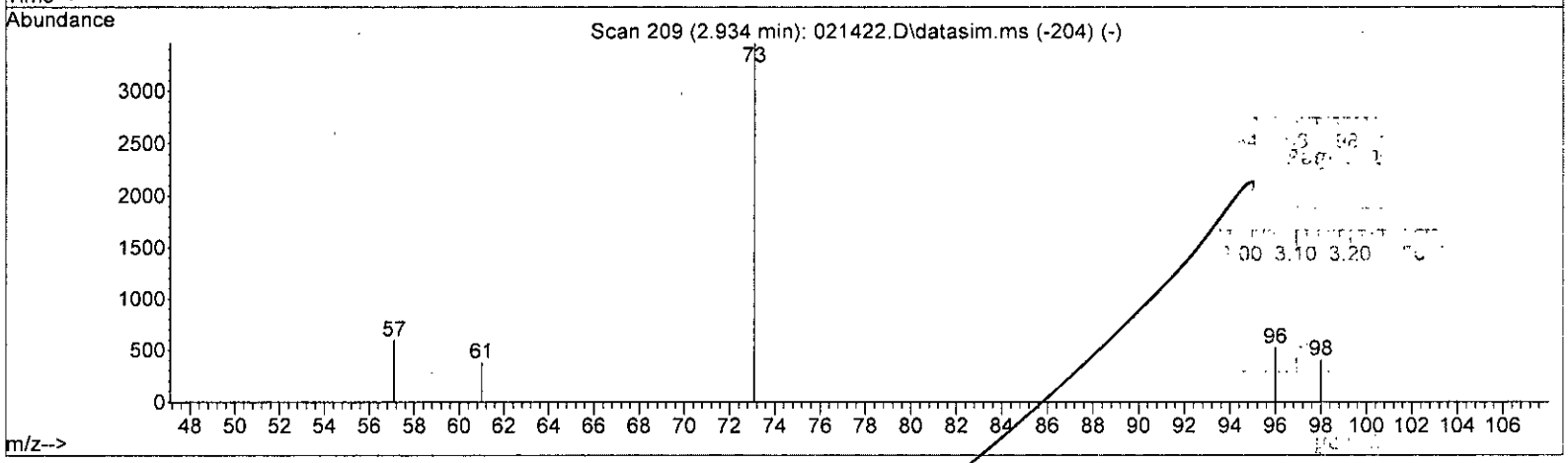
m 2/15

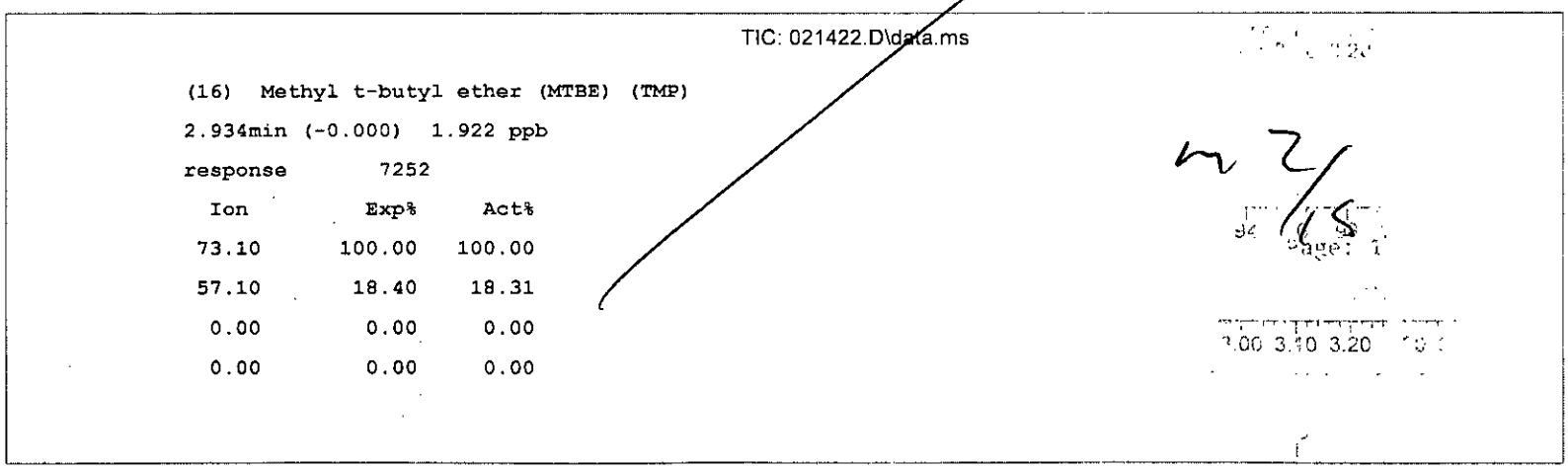
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







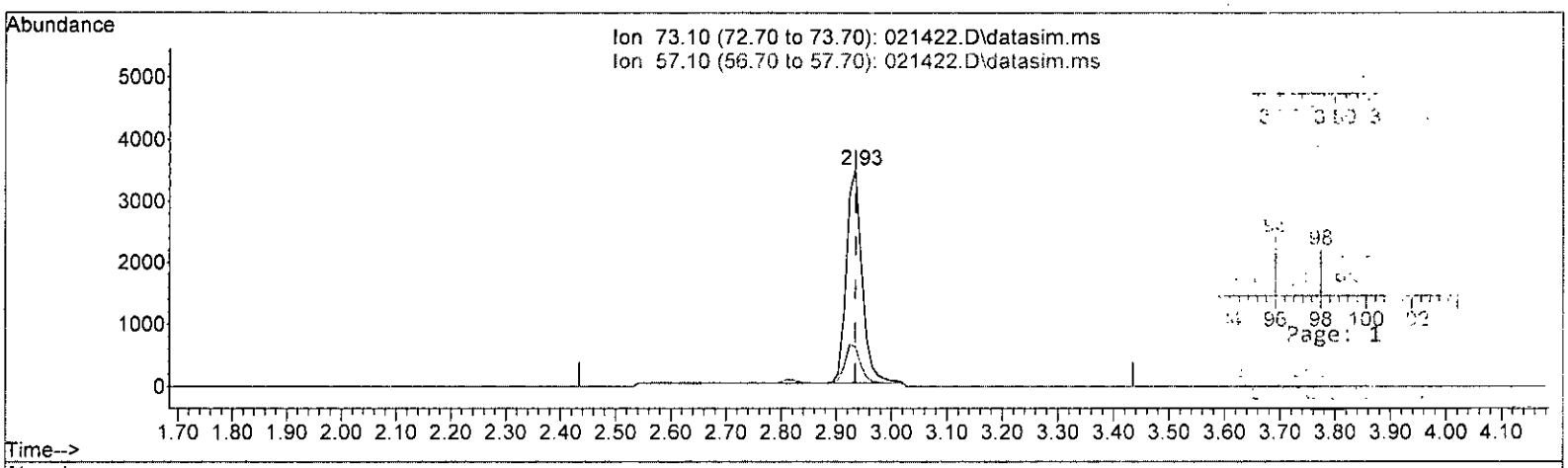
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.922 ppb
response 7252

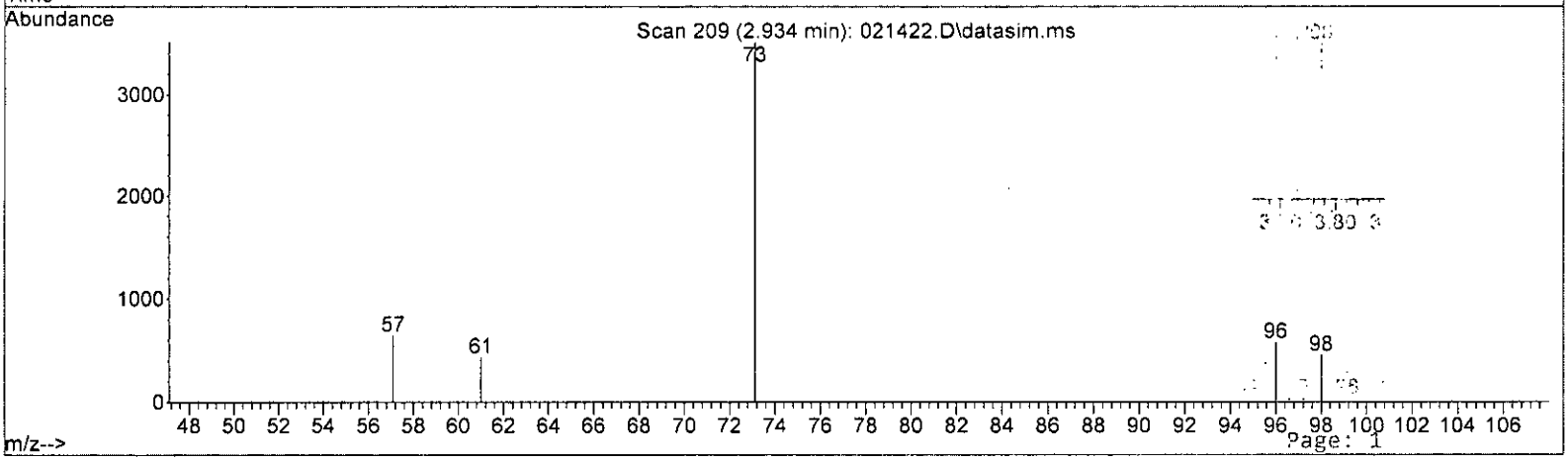
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

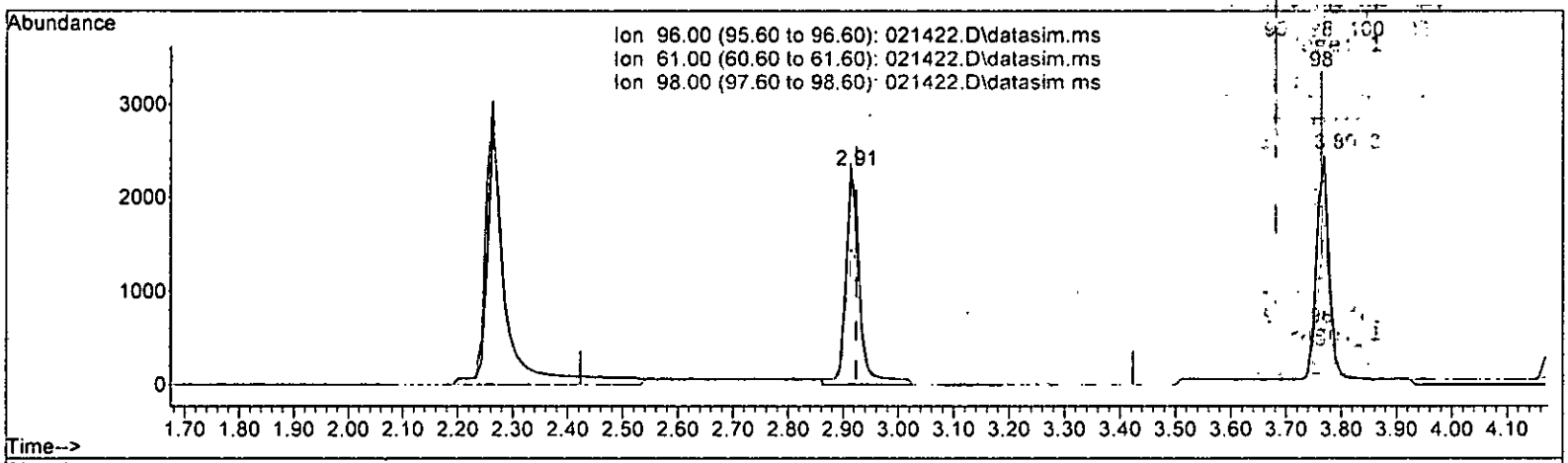
(16) Methyl t-butyl ether (MTBE) (TMP)
2.934min (-0.000) 1.799 ppb m
response 6790

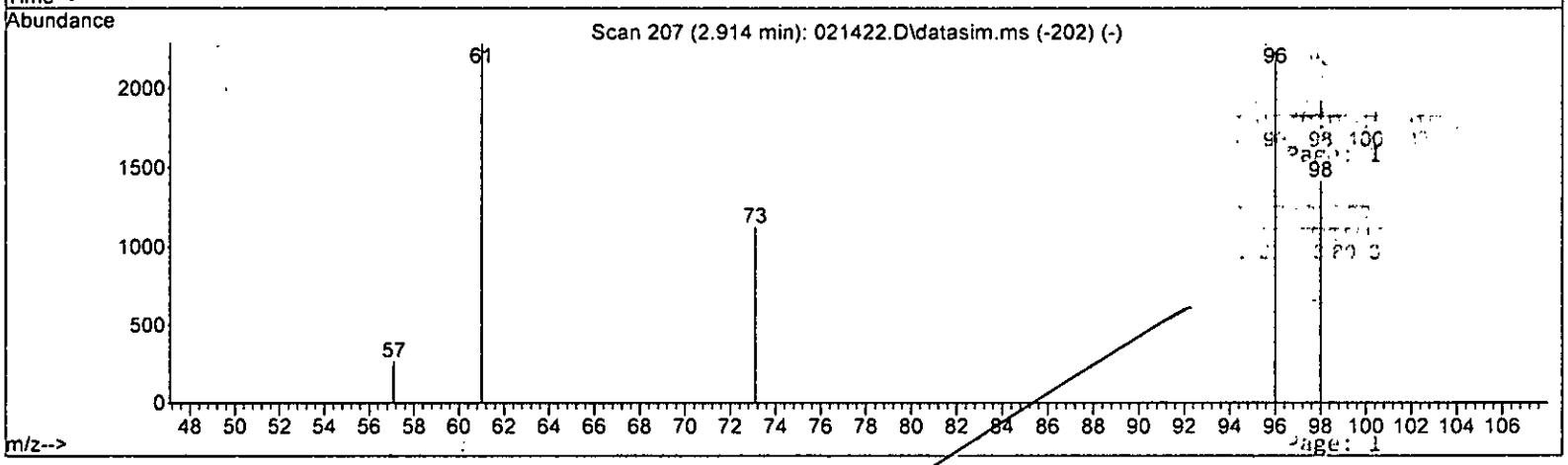
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	18.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021422.D\data.ms

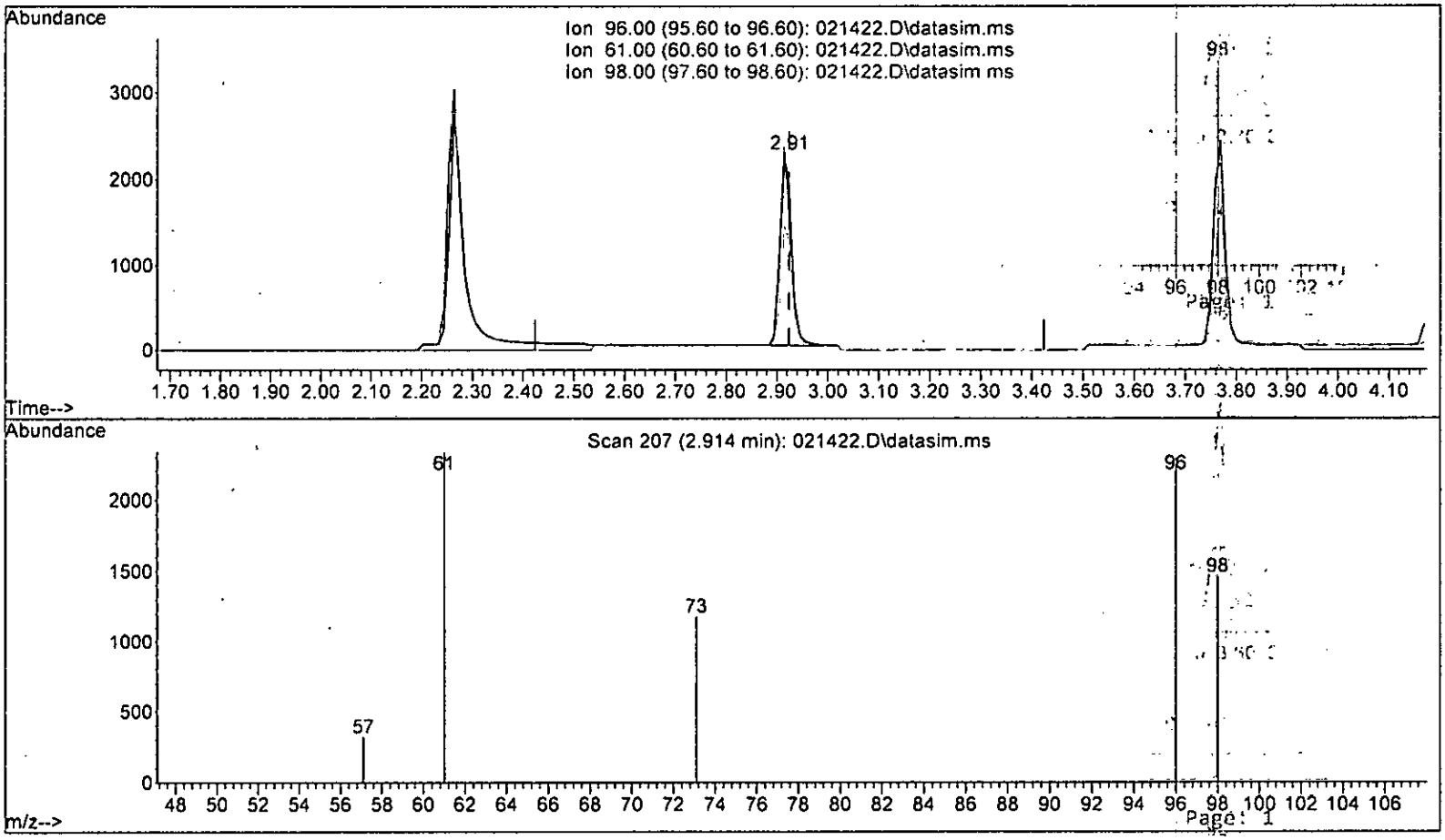
(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 2.053 ppb
response 3989

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 021422.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)
2.914min (-0.010) 1.805 ppb m
response 3507

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	102.14
98.00	65.40	63.84
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

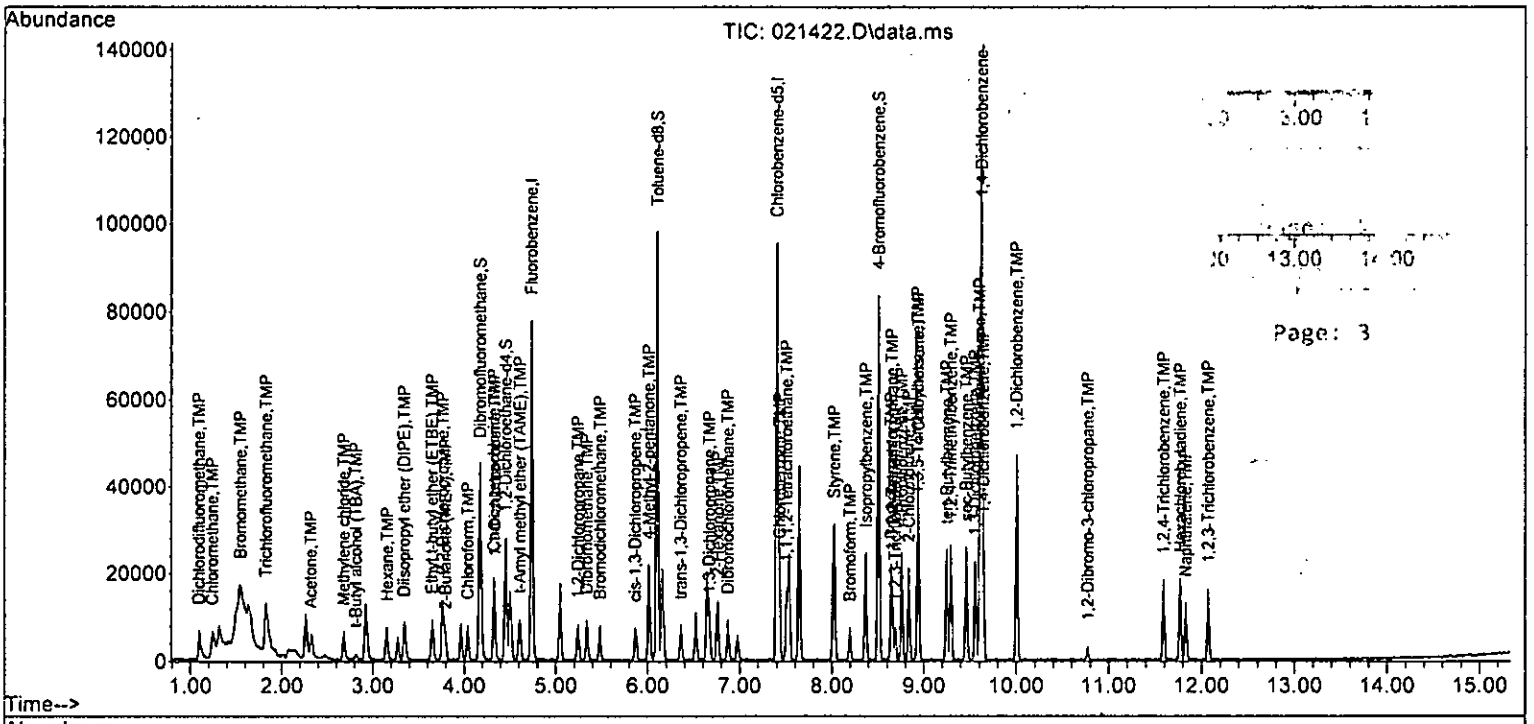
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

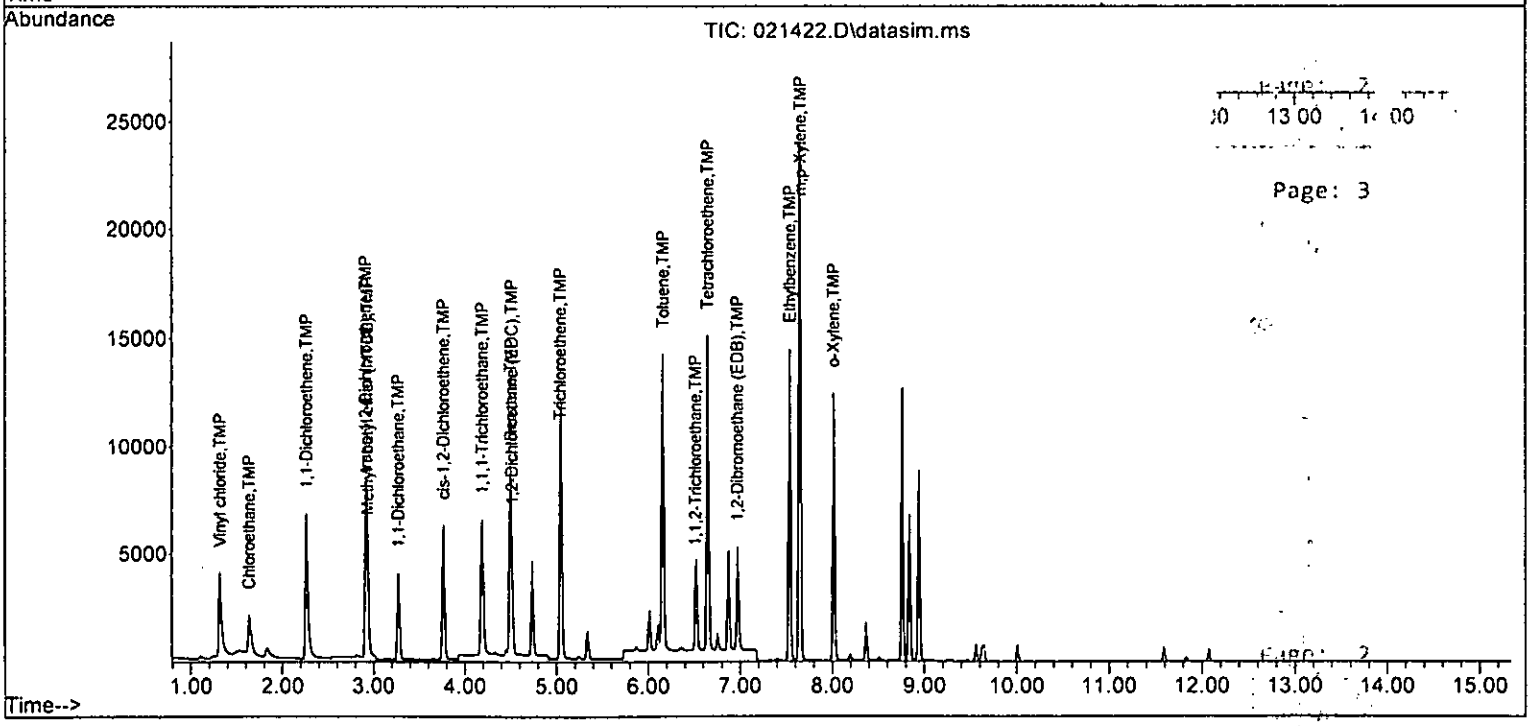
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.166	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	1.774	11.3	100	-0.01
5	TMP	Chloromethane	2.000	1.897	5.1	100	-0.01
6	TMP	Vinyl chloride	2.000	1.795	10.3	105	-0.01
7	TMP	Bromomethane	2.000	2.537	-26.8#	100	-0.02
8	TMP	Chloroethane	2.000	1.902	4.9	118	-0.02
9	TMP	Trichlorofluoromethane	2.000	1.721	13.9	88	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	10.000	10.341	-3.4	102	-0.01
12	TMP	1,1-Dichloroethene	2.000	1.738	13.1	101	-0.01
13	TMP	Hexane	2.000	1.894	5.3	100	0.00
14	TMP	Methylene chloride	2.000	2.210	-10.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	10.000	8.876	11.2	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	2.000	1.799	10.1	99	0.00
17	TMP	trans-1,2-Dichloroethene	2.000	1.805	9.8	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	2.000	1.983	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	2.000	1.864	6.8	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	1.771	11.5	100	-0.01
21	TMP	2,2-Dichloropropane	2.000	1.712	14.4	100	0.00
22	TMP	cis-1,2-Dichloroethene	2.000	1.797	10.2	100	0.00
23	TMP	Chloroform	2.000	1.797	10.2	100	0.00
24	TMP	2-Butanone (MEK)	10.000	8.819	11.8	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	2.000	1.892	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	2.000	1.971	1.4	100	0.00
27	TMP	1,1,1-Trichloroethane	2.000	1.832	8.4	100	0.00
28	TMP	1,1-Dichloropropene	2.000	1.942	2.9	100	0.00
29	TMP	Carbon tetrachloride	2.000	1.692	15.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	8.925	10.7	100	0.00
31	TMP	Benzene	2.000	1.897	5.1	100	0.00
32	TMP	Trichloroethene	2.000	1.893	5.3	100	-0.01
33	TMP	1,2-Dichloropropane	2.000	1.888	5.6	100	0.00
34	TMP	Bromodichloromethane	2.000	1.762	11.9	100	0.00
35	S	Toluene-d8	10.000	9.419	5.8	100	0.00
36	TMP	Dibromomethane	2.000	1.908	4.6	100	0.00
37	TMP	4-Methyl-2-pentanone	10.000	9.220	7.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	2.000	1.812	9.4	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	1.991	0.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	2.000	1.750	12.5	100	0.00
42	TMP	1,1,2-Trichloroethane	2.000	2.002	-0.1	100	-0.01
43	TMP	2-Hexanone	10.000	9.900	1.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	2.049	-2.4	100	0.00
45	TMP	Tetrachloroethene	2.000	2.016	-0.8	100	0.00
46	TMP	Dibromochloromethane	2.000	1.915	4.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	2.000	1.929	3.5	100	0.00
48	TMP	Chlorobenzene	2.000	2.010	-0.5	100	0.00
49	TMP	Ethylbenzene	2.000	2.023	-1.2	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	2.000	1.862	6.9	100	0.00
51	TMP	m,p-Xylene	4.000	4.096	-2.4	100	0.00
52	TMP	o-Xylene	2.000	2.009	-0.4	100	0.00
53	TMP	Styrene	2.000	1.997	0.1	100	0.00
54	TMP	Isopropylbenzene	2.000	1.996	0.2	100	0.00
55	TMP	Bromoform	2.000	1.805	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.995	0.1	100	0.00
58	TMP	n-Propylbenzene	2.000	2.045	-2.2	100	0.00
59	TMP	Bromobenzene	2.000	1.967	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	2.000	2.015	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	2.000	2.068	-3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	2.000	2.041	-2.0	100	0.00
63	TMP	2-Chlorotoluene	2.000	2.123	-6.2	100	0.00
64	TMP	4-Chlorotoluene	2.000	2.067	-3.4	100	0.00
65	TMP	tert-Butylbenzene	2.000	1.995	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	2.000	1.969	1.5	100	0.00
67	TMP	sec-Butylbenzene	2.000	2.027	-1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.000	1.964	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	2.000	1.943	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	2.000	2.018	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	2.000	1.967	1.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	2.000	1.877	6.2	100	0.00
73	TMP	1,2,4-Trichlorobenzene	2.000	1.832	8.4	100	0.00
74	TMP	Hexachlorobutadiene	2.000	1.965	1.7	100	0.00
75	TMP	Naphthalene	2.000	1.851	7.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	2.000	2.021	-1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.286	8.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.647	11.4	100	-0.01
5	TMP	Chloromethane	0.500	0.474	5.2	100	-0.01
6	TMP	Vinyl chloride	0.532	0.496	6.8	105	-0.01
7	TMP	Bromomethane	0.491	0.682	-38.9#	100	-0.02
8	TMP	Chloroethane	0.247	0.244	1.2	118	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.135	13.9	88	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.025	0.0	102	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.383	13.0	101	-0.01
13	TMP	Hexane	0.231	0.218	5.6	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.018#	14.3	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.497#	10.0	99	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.257	9.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.477#	0.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.305	6.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.235	8.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.205	12.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.271	10.3	100	0.00
23	TMP	Chloroform	0.430	0.386	10.2	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.079	11.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.488#	5.4	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.281	6.6	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.400	8.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.285	2.7	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.405	12.5	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.055	11.3	100	0.00
31	TMP	Benzene	0.876	0.805	8.1	100	0.00
32	TMP	Trichloroethene	0.338	0.299	11.5	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.284	5.3	100	0.00
35	S	Toluene-d8	0.931	0.877	5.8	100	0.00
36	TMP	Dibromomethane	0.171	0.164	4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.271	12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.707	7.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.277	12.3	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.143	0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.435	3.8	100	0.00
46	TMP	Dibromochloromethane	0.437	0.418	4.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.972	-0.5	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.364	6.9	100	0.00
51	TMP	m,p-Xylene	0.590	0.578	2.0	100	0.00
52	TMP	o-Xylene	0.566	0.549	3.0	100	0.00
53	TMP	Styrene	0.855	0.854	0.1	100	0.00
54	TMP	Isopropylbenzene	1.393	1.390	0.2	100	0.00
55	TMP	Bromoform	0.295	0.266	9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.616	0.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.425	-2.3	100	0.00
59	TMP	Bromobenzene	0.857	0.843	1.6	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.961	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.495#	-4.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.372#	-1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.456	-4.1	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.659	-3.3	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.049	0.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.960	1.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.565	-1.3	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.449	1.8	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.491	2.8	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.487	-0.9	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.428	1.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.884	8.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.590	1.7	100	0.00
75	TMP	Naphthalene	1.920	1.622	15.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.806	6.3	100	0.00

(#) = Out of Range SPCC's out = 7 CCC's out = 0

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	68352	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	58200	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33183	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19562	9.166	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 91.70%				
30) 1,2-Dichloroethane-d4	4.45	102	3782	8.925	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 89.30%				
35) Toluene-d8	6.10	98	59948	9.419	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 94.20%				
57) 4-Bromofluorobenzene	8.51	95	20449	9.995	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	8848	1.774	ppb		86
5) Chloromethane	1.24	50	6480	1.897	ppb		81
6] Vinyl chloride	1.32	62	6785	1.795	ppb		100
7) Bromomethane	1.55	94	9328	2.537	ppb		84
8] Chloroethane	1.64	64	3336	1.902	ppb		95
9) Trichlorofluoromethane	1.83	101	15518	1.721	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	1710	10.341	ppb		89
12] 1,1-Dichloroethene	2.26	96	5230m	1.738	ppb		
13) Hexane	3.16	57	2985	1.894	ppb		95
14) Methylene chloride	2.68	84	3213	2.210	ppb		93
15) t-Butyl alcohol (TBA)	2.82	59	1258	8.876	ppb		98
16] Methyl t-butyl ether (...	2.93	73	6790m	1.799	ppb		
17] trans-1,2-Dichloroethene	2.91	96	3507m	1.805	ppb		
18) Diisopropyl ether (DIPE)	3.34	45	6523	1.983	ppb		90
19] 1,1-Dichloroethane	3.27	63	4165	1.864	ppb		94
20) Ethyl t-butyl ether (E...	3.65	87	3215	1.771	ppb		96
21) 2,2-Dichloropropane	3.76	77	2802	1.712	ppb		96
22] cis-1,2-Dichloroethene	3.77	96	3707	1.797	ppb		93
23) Chloroform	4.04	83	5276	1.797	ppb		98
24) 2-Butanone (MEK)	3.79	43	5370	8.819	ppb		95
25) t-Amyl methyl ether (T...	4.61	73	6676	1.892	ppb		92
26] 1,2-Dichloroethane (EDC)	4.52	62	3842	1.971	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	5467	1.832	ppb		95
28) 1,1-Dichloropropene	4.33	75	3893	1.942	ppb		98
29) Carbon tetrachloride	4.32	117	5531	1.692	ppb		100
31] Benzene	4.50	78	11004	1.897	ppb		98
32] Trichloroethene	5.04	95	4082	1.893	ppb	#	73
33) 1,2-Dichloropropane	5.24	63	2231	1.888	ppb		98
34) Bromodichloromethane	5.48	83	3881	1.762	ppb		96
36) Dibromomethane	5.34	93	2236	1.908	ppb		97

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

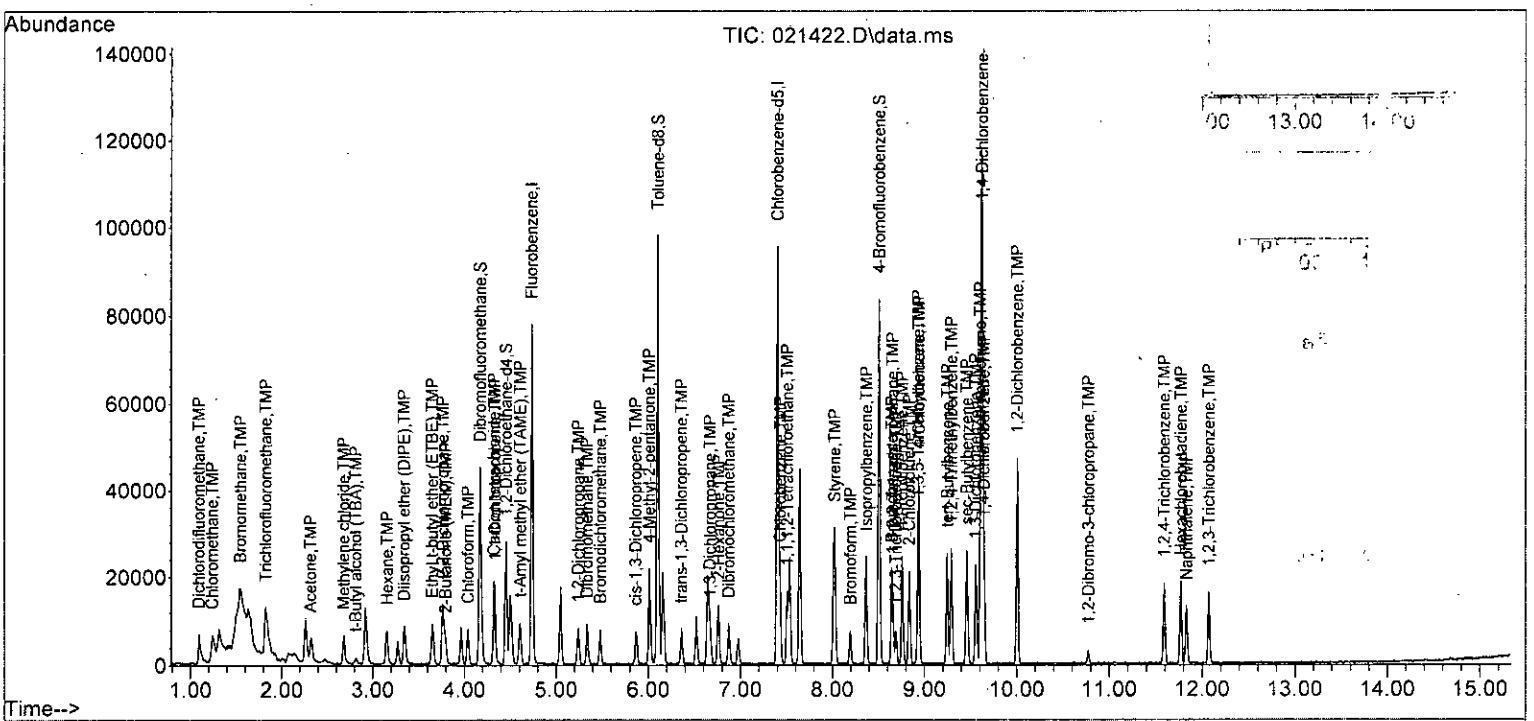
Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

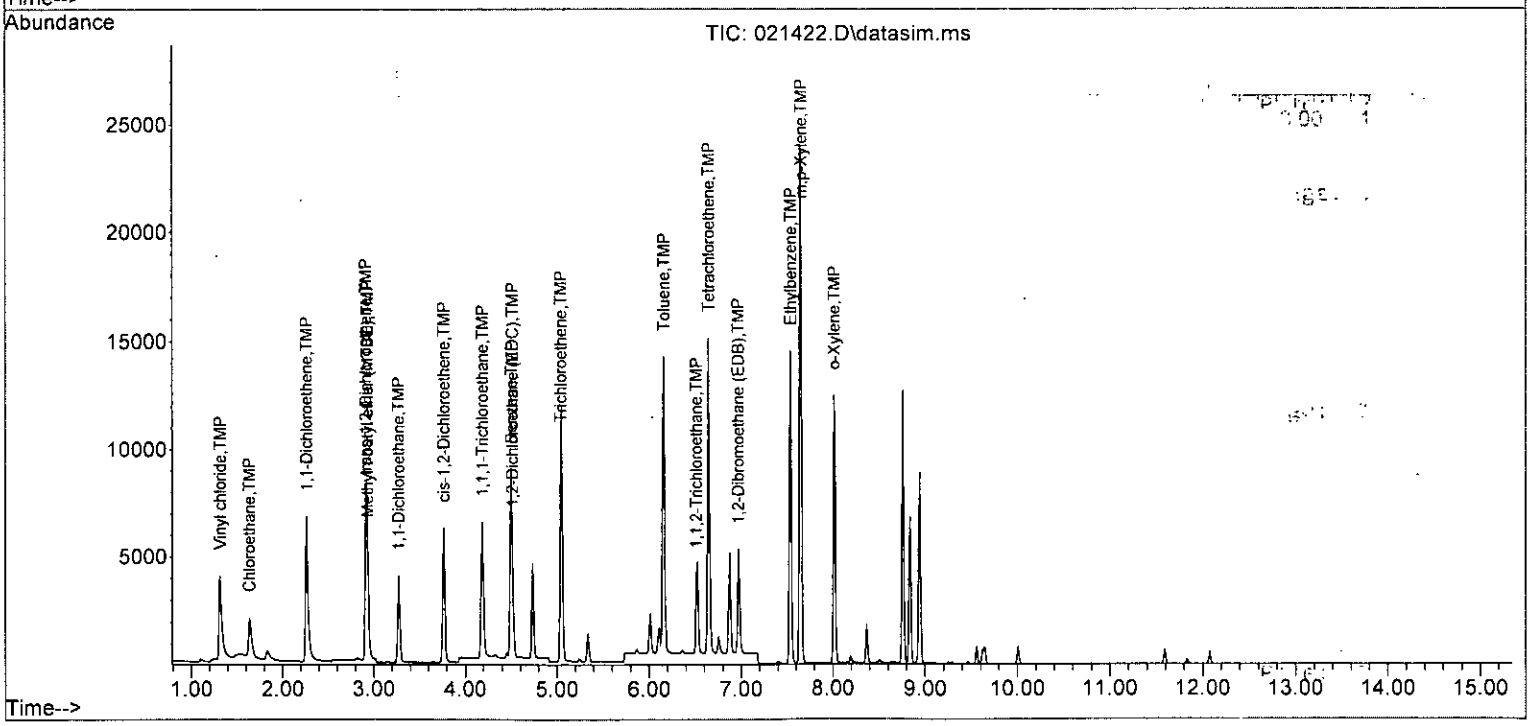
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	2708	9.220	ppb		90
38) cis-1,3-Dichloropropene	5.86	75	3706	1.812	ppb		88
40] Toluene	6.16	92	8233	1.991	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	3222	1.750	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	2364	2.002	ppb	#	68
43) 2-Hexanone	6.76	43	8318	9.900	ppb		96
44) 1,3-Dichloropropane	6.67	76	4052	2.049	ppb		97
45] Tetrachloroethene	6.65	164	5060	2.016	ppb		99
46) Dibromochloromethane	6.87	129	4871	1.915	ppb		100
47] 1,2-Dibromoethane (EDB)	6.97	107	3716	1.929	ppb		99
48) Chlorobenzene	7.43	112	11311	2.010	ppb		98
49] Ethylbenzene	7.54	91	15067	2.023	ppb		100
50) 1,1,1,2-Tetrachloroethane	7.51	131	4237	1.862	ppb		92
51] m,p-Xylene	7.65	106	13448	4.096	ppb		99
52] o-Xylene	8.01	106	6394	2.009	ppb	#	75
53) Styrene	8.03	104	9935	1.997	ppb		99
54) Isopropylbenzene	8.37	105	16178	1.996	ppb		97
55) Bromoform	8.20	173	3094	1.805	ppb		98
58) n-Propylbenzene	8.76	91	16092	2.045	ppb		96
59) Bromobenzene	8.65	156	5593	1.967	ppb		91
60) 1,3,5-Trimethylbenzene	8.93	105	13012	2.015	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	3282	2.068	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	2471	2.041	ppb		94
63) 2-Chlorotoluene	8.84	91	9666	2.123	ppb		96
64) 4-Chlorotoluene	8.94	91	11010	2.067	ppb		96
65) tert-Butylbenzene	9.25	119	13600	1.995	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	13006	1.969	ppb		100
67) sec-Butylbenzene	9.46	105	17026	2.027	ppb		99
68) p-Isopropyltoluene	9.60	119	16255	1.964	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	9893	1.943	ppb		96
70) 1,4-Dichlorobenzene	9.64	146	9871	2.018	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	9478	1.967	ppb		97
72) 1,2-Dibromo-3-chloropr...	10.77	75	526	1.877	ppb		94
73) 1,2,4-Trichlorobenzene	11.59	180	5865	1.832	ppb		93
74) Hexachlorobutadiene	11.77	225	3913	1.965	ppb		94
75) Naphthalene	11.83	128	10763	1.851	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	5347	2.021	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021422.D
Acq On : 14 Feb 2023 07:10 pm
Operator : lm
Sample : 2 ppb 8260 CCV 68-127L
Misc : Soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

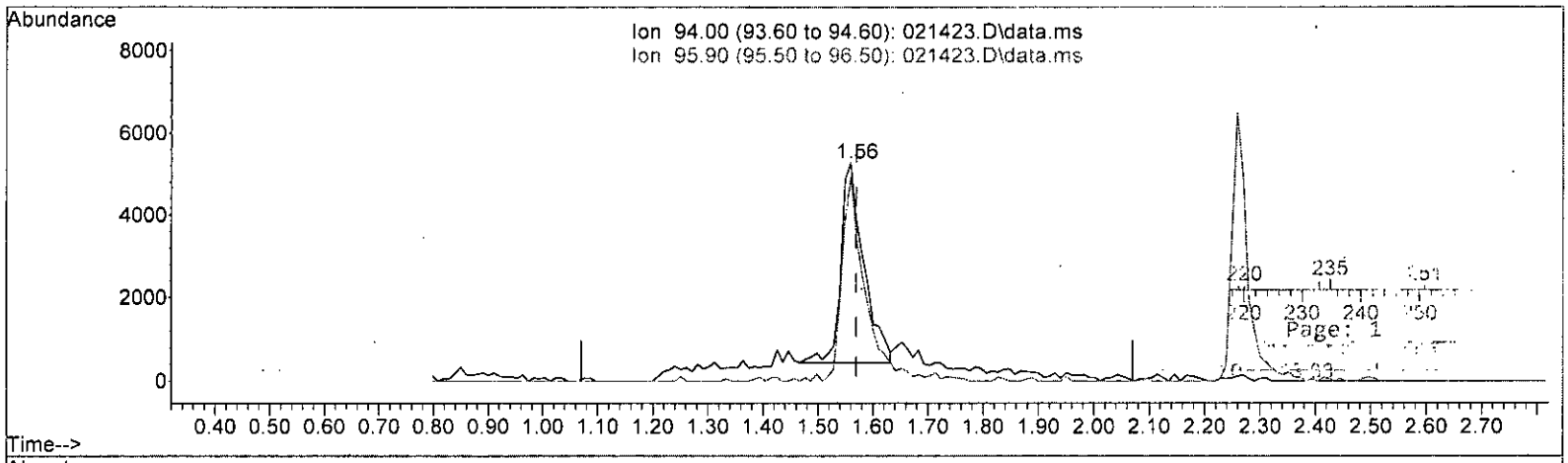


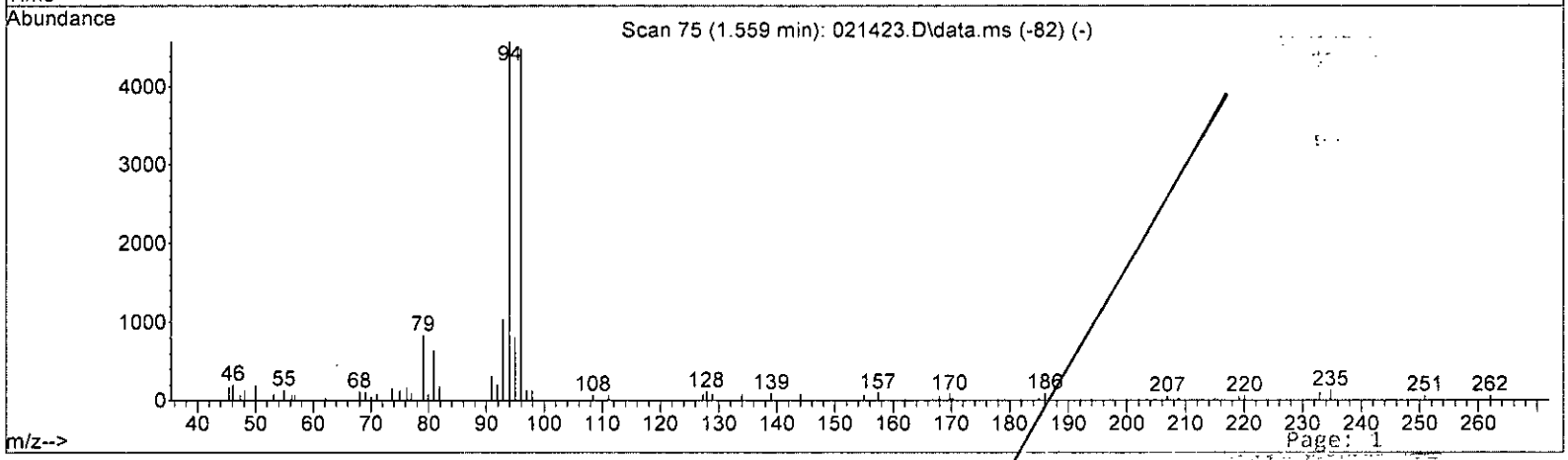


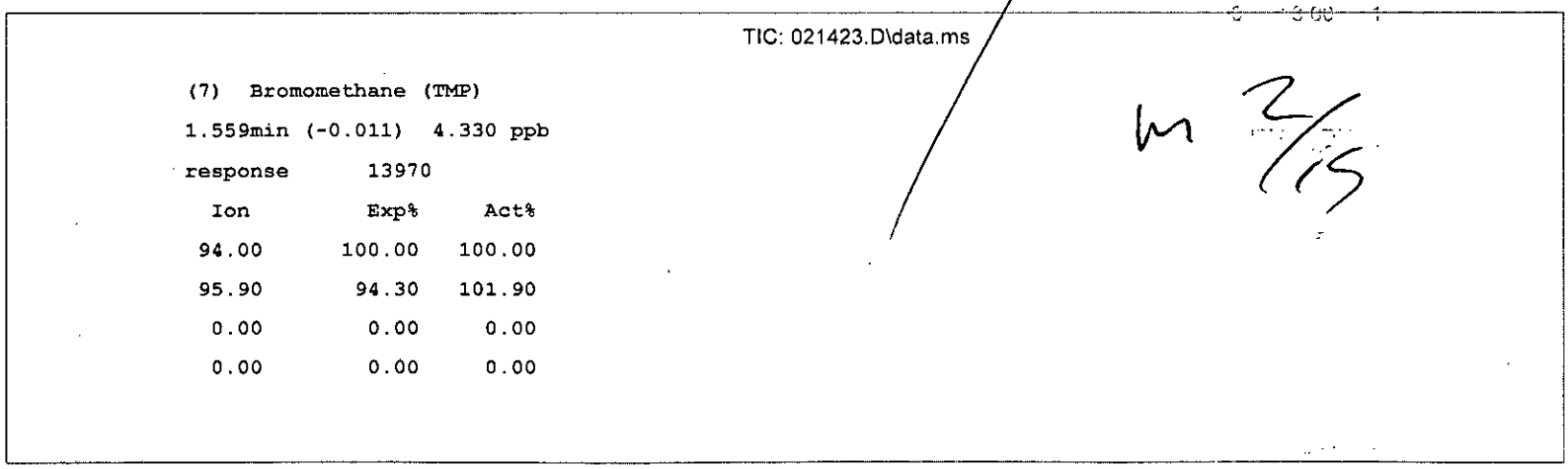
Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M







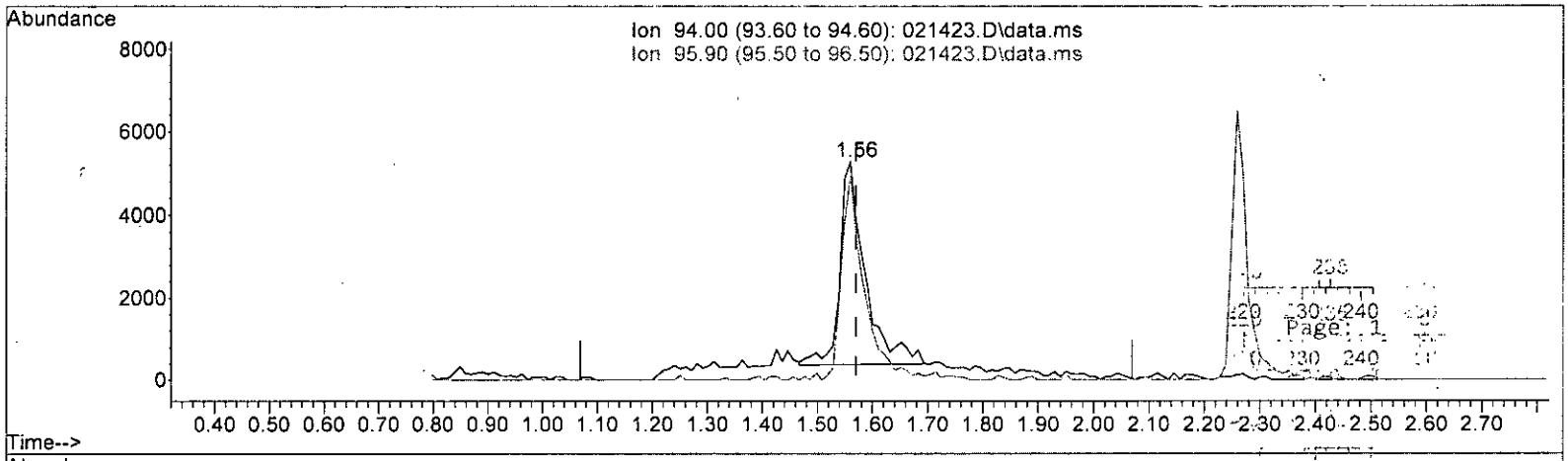
(7) Bromomethane (TMP)
1.559min (-0.011) 4.330 ppb
response 13970

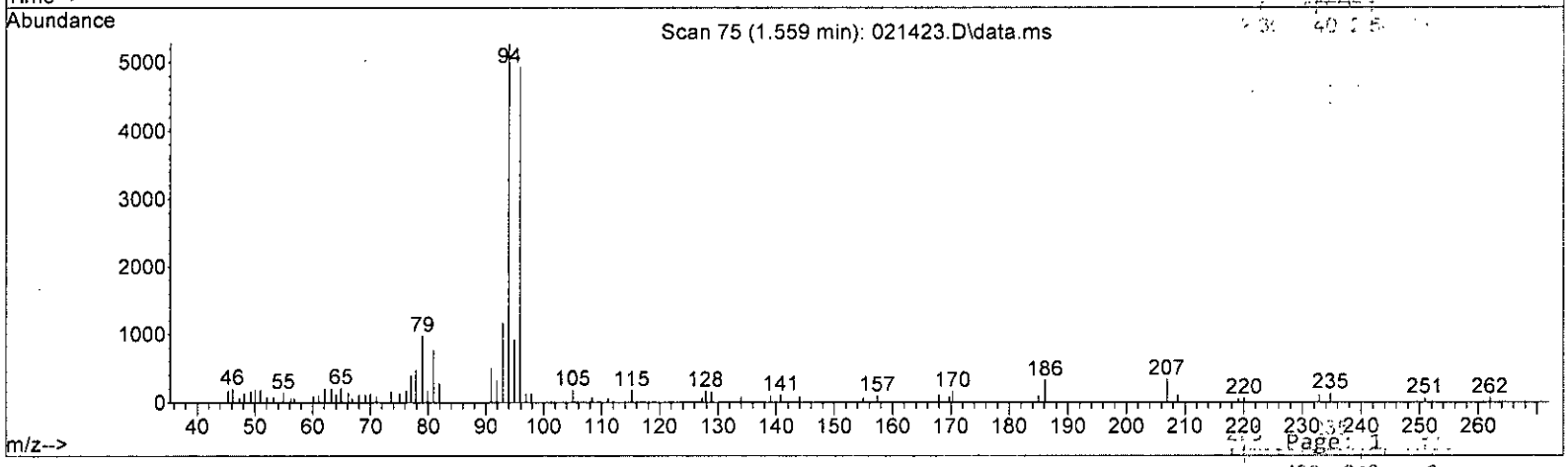
Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	101.90
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 021423.D\data.ms

(7) Bromomethane (TMP)

1.559min (-0.011) 4.923 ppb m

response 15739

Ion	Exp%	Act%
94.00	100.00	100.00
95.90	94.30	93.51
0.00	0.00	0.00
0.00	0.00	0.00

m2/15

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.979	0.2	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	5.087	-1.7	100	-0.01
5	TMP	Chloromethane	5.000	5.079	-1.6	100	-0.01
6	TMP	Vinyl chloride	5.000	4.781	4.4	100	-0.02
7	TMP	Bromomethane	5.000	4.923	1.5	113	-0.01
8	TMP	Chloroethane	5.000	4.950	1.0	100	-0.02
9	TMP	Trichlorofluoromethane	5.000	5.045	-0.9	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	25.000	26.563	-6.3	100	-0.01
12	TMP	1,1-Dichloroethene	5.000	5.444	-8.9	100	-0.01
13	TMP	Hexane	5.000	4.924	1.5	100	0.00
14	TMP	Methylene chloride	5.000	5.113	-2.3	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	25.000	24.251	3.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	5.000	5.049	-1.0	100	-0.01
17	TMP	trans-1,2-Dichloroethene	5.000	5.095	-1.9	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	5.000	4.835	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	5.000	5.043	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	4.639	7.2	100	-0.01
21	TMP	2,2-Dichloropropane	5.000	4.687	6.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	5.000	5.251	-5.0	100	0.00
23	TMP	Chloroform	5.000	4.965	0.7	100	0.00
24	TMP	2-Butanone (MEK)	25.000	23.783	4.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	5.000	4.945	1.1	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	5.000	5.047	-0.9	100	0.00
27	TMP	1,1,1-Trichloroethane	5.000	4.979	0.4	100	0.00
28	TMP	1,1-Dichloropropene	5.000	4.926	1.5	100	-0.01
29	TMP	Carbon tetrachloride	5.000	4.498	10.0	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.050	-0.5	100	0.00
31	TMP	Benzene	5.000	5.074	-1.5	100	0.00
32	TMP	Trichloroethene	5.000	5.190	-3.8	103	-0.01
33	TMP	1,2-Dichloropropane	5.000	5.245	-4.9	100	0.00
34	TMP	Bromodichloromethane	5.000	4.622	7.6	100	0.00
35	S	Toluene-d8	10.000	10.135	-1.3	100	0.00
36	TMP	Dibromomethane	5.000	5.059	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	25.000	24.098	3.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	5.000	4.671	6.6	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	5.064	-1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	5.000	4.871	2.6	100	0.00
42	TMP	1,1,2-Trichloroethane	5.000	5.055	-1.1	100	-0.01
43	TMP	2-Hexanone	25.000	24.916	0.3	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	5.088	-1.8	100	0.00
45	TMP	Tetrachloroethene	5.000	5.115	-2.3	100	0.00
46	TMP	Dibromochloromethane	5.000	4.904	1.9	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	5.000	4.962	0.8	100	0.00
48	TMP	Chlorobenzene	5.000	4.996	0.1	100	0.00
49	TMP	Ethylbenzene	5.000	5.127	-2.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	5.000	4.988	0.2	100	0.00
51	TMP	m,p-Xylene	10.000	10.400	-4.0	100	0.00
52	TMP	o-Xylene	5.000	5.142	-2.8	100	0.00
53	TMP	Styrene	5.000	4.982	0.4	100	0.00
54	TMP	Isopropylbenzene	5.000	5.136	-2.7	100	0.00
55	TMP	Bromoform	5.000	4.832	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.936	0.6	100	0.00
58	TMP	n-Propylbenzene	5.000	4.960	0.8	100	0.00
59	TMP	Bromobenzene	5.000	4.903	1.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	5.000	4.853	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	5.000	4.795	4.1	100	0.00
62	TMP	1,2,3-Trichloropropane	5.000	4.899	2.0	100	0.00
63	TMP	2-Chlorotoluene	5.000	5.195	-3.9	100	0.00
64	TMP	4-Chlorotoluene	5.000	5.074	-1.5	100	0.00
65	TMP	tert-Butylbenzene	5.000	4.795	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	5.000	4.988	0.2	100	0.00
67	TMP	sec-Butylbenzene	5.000	5.018	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	5.000	4.906	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	5.000	4.795	4.1	100	0.00
70	TMP	1,4-Dichlorobenzene	5.000	4.940	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	5.000	4.812	3.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	5.000	4.497	10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	5.000	4.636	7.3	100	0.00
74	TMP	Hexachlorobutadiene	5.000	4.757	4.9	100	0.00
75	TMP	Naphthalene	5.000	4.834	3.3	100	0.00
76	TMP	1,2,3-Trichlorobenzene	5.000	4.970	0.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.312	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.742	-1.6	100	-0.01
5	TMP	Chloromethane	0.500	0.508	-1.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.530	0.4	100	-0.02
7	TMP	Bromomethane	0.491	0.499	-1.6	113	-0.01
8	TMP	Chloroethane	0.247	0.265	-7.3	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.331	-0.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.479	-8.9	100	-0.01
13	TMP	Hexane	0.231	0.227	1.7	100	0.00
14	TMP	Methylene chloride	0.235	0.235	0.0	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.558	-1.1	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.290	-2.1	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.465#	3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.330	-0.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.256	0.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.232	1.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.317	-5.0	100	0.00
23	TMP	Chloroform	0.430	0.427	0.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.511	1.0	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.286	5.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.435	0.5	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.289	1.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.454	1.9	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.860	1.8	100	0.00
32	TMP	Trichloroethene	0.338	0.326	3.6	103	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.181	-4.6	100	0.00
34	TMP	Bromodichloromethane	0.300	0.305	-1.7	100	0.00
35	S	Toluene-d8	0.931	0.944	-1.4	100	0.00
36	TMP	Dibromomethane	0.171	0.173	-1.2	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.041	4.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.283	8.4	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.717	6.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.308	2.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.205	-1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.346	-1.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.440	2.7	100	0.00
46	TMP	Dibromochloromethane	0.437	0.429	1.8	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.328	0.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.310	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.390	0.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.585	0.8	100	0.00
52	TMP	o-Xylene	0.566	0.562	0.7	100	0.00
53	TMP	Styrene	0.855	0.852	0.4	100	0.00
54	TMP	Isopropylbenzene	1.393	1.431	-2.7	100	0.00
55	TMP	Bromoform	0.295	0.285	3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.613	0.6	100	0.00
58	TMP	n-Propylbenzene	2.371	2.352	0.8	100	0.00
59	TMP	Bromobenzene	0.857	0.840	2.0	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.889	2.9	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.463#	2.1	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.357#	2.2	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.629	-1.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.970	4.1	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.986	0.3	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.540	-0.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.447	1.9	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.472	4.0	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.457	1.2	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.398	3.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.076	9.5	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.894	7.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.571	4.8	100	0.00
75	TMP	Naphthalene	1.920	1.713	10.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.802	6.7	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	63140	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55777	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	33064	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	19672	9.979	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%				
30) 1,2-Dichloroethane-d4	4.45	102	3934	10.050	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.50%				
35) Toluene-d8	6.11	98	59584	10.135	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.30%				
57) 4-Bromofluorobenzene	8.51	95	20254	9.936	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	23437	5.087	ppb		94
5) Chloromethane	1.24	50	16031	5.079	ppb		80
6] Vinyl chloride	1.31	62	16729	4.781	ppb		91
7) Bromomethane	1.56	94	15739m	4.923	ppb		
8] Chloroethane	1.64	64	8360	4.950	ppb		98
9) Trichlorofluoromethane	1.83	101	42033	5.045	ppb		96
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	3833	26.563	ppb		99
12] 1,1-Dichloroethene	2.26	96	15130	5.444	ppb		99
13) Hexane	3.16	57	7168	4.924	ppb		95
14) Methylene chloride	2.68	84	7406	5.113	ppb		93
15) t-Butyl alcohol (TBA)	2.81	59	3175	24.251	ppb		99
16] Methyl t-butyl ether (...	2.92	73	17601	5.049	ppb		98
17] trans-1,2-Dichloroethene	2.91	96	9146	5.095	ppb		97
18) Diisopropyl ether (DIPE)	3.34	45	14691	4.835	ppb		96
19] 1,1-Dichloroethane	3.27	63	10408	5.043	ppb		92
20) Ethyl t-butyl ether (E...	3.65	87	8097	4.639	ppb		94
21) 2,2-Dichloropropane	3.76	77	7319	4.687	ppb		100
22] cis-1,2-Dichloroethene	3.77	96	10007	5.251	ppb		90
23) Chloroform	4.04	83	13468	4.965	ppb		96
24) 2-Butanone (MEK)	3.78	43	13377	23.783	ppb		98
25) t-Amyl methyl ether (T...	4.60	73	16120	4.945	ppb		96
26] 1,2-Dichloroethane (EDC)	4.52	62	9035	5.047	ppb		95
27] 1,1,1-Trichloroethane	4.19	97	13722	4.979	ppb		94
28) 1,1-Dichloropropene	4.32	75	9122	4.926	ppb		95
29) Carbon tetrachloride	4.32	117	14343	4.498	ppb		100
31] Benzene	4.50	78	27141	5.074	ppb		96
32] Trichloroethene	5.04	95	10298	5.190	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	5726	5.245	ppb		98
34) Bromodichloromethane	5.48	83	9636	4.622	ppb		94
36) Dibromomethane	5.34	93	5476	5.059	ppb		96

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

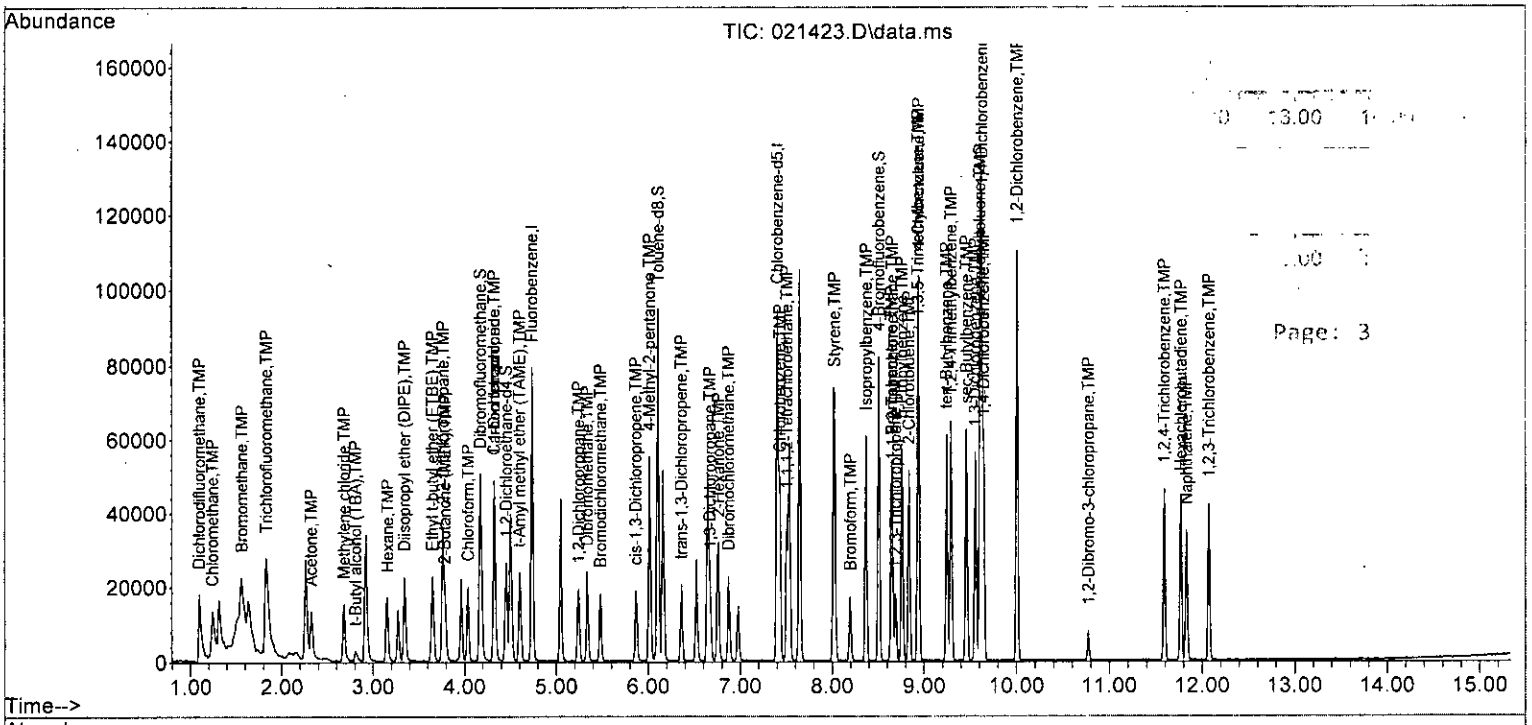
Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

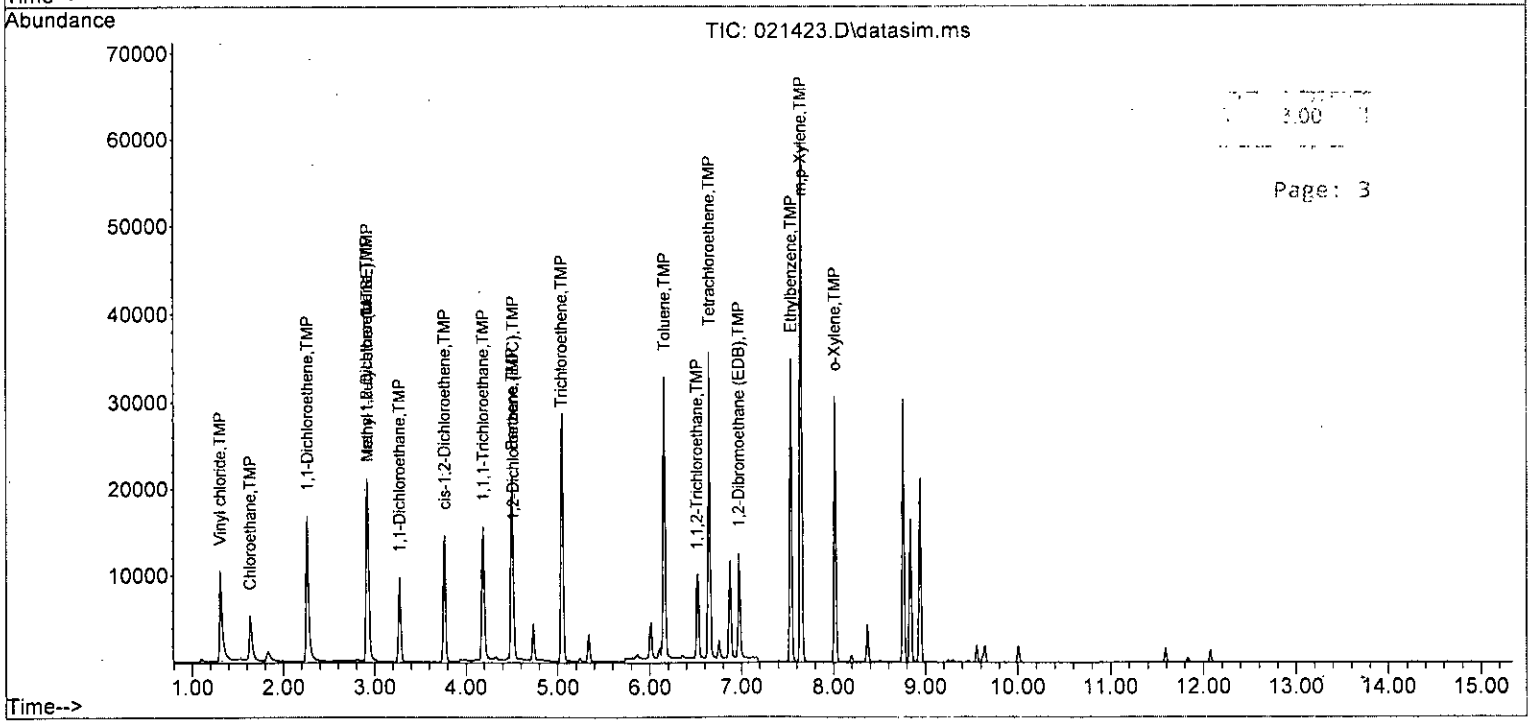
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	6538	24.098	ppb		97
38) cis-1,3-Dichloropropene	5.86	75	8928	4.671	ppb		90
40] Toluene	6.16	92	19998	5.064	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	8595	4.871	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	5720	5.055	ppb	#	70
43) 2-Hexanone	6.76	43	20063	24.916	ppb		97
44) 1,3-Dichloropropane	6.67	76	9645	5.088	ppb		88
45] Tetrachloroethene	6.65	164	12276	5.115	ppb		99
46) Dibromochloromethane	6.87	129	11955	4.904	ppb		95
47] 1,2-Dibromoethane (EDB)	6.97	107	9158	4.962	ppb		98
48) Chlorobenzene	7.43	112	26944	4.996	ppb		97
49] Ethylbenzene	7.54	91	36521	5.127	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	10876	4.988	ppb		95
51] m,p-Xylene	7.64	106	32653	10.400	ppb		80
52] o-Xylene	8.01	106	15661	5.142	ppb	#	77
53) Styrene	8.03	104	23752	4.982	ppb		98
54) Isopropylbenzene	8.37	105	39900	5.136	ppb		97
55) Bromoform	8.20	173	7938	4.832	ppb		88
58) n-Propylbenzene	8.76	91	38878	4.960	ppb		100
59) Bromobenzene	8.65	156	13892	4.903	ppb		93
60) 1,3,5-Trimethylbenzene	8.93	105	31227	4.853	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	7653	4.795	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	5910	4.899	ppb		99
63) 2-Chlorotoluene	8.84	91	23188	5.195	ppb		96
64) 4-Chlorotoluene	8.94	91	26938	5.074	ppb		93
65) tert-Butylbenzene	9.24	119	32561	4.795	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	32829	4.988	ppb		97
67) sec-Butylbenzene	9.46	105	41998	5.018	ppb		100
68) p-Isopropyltoluene	9.60	119	40453	4.906	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	24330	4.795	ppb		98
70) 1,4-Dichlorobenzene	9.64	146	24079	4.940	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	23108	4.812	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	1256	4.497	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	14785	4.636	ppb		98
74) Hexachlorobutadiene	11.77	225	9437	4.757	ppb		99
75) Naphthalene	11.83	128	28312	4.834	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	13260	4.970	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021423.D
Acq On : 14 Feb 2023 07:33 pm
Operator : lm
Sample : 5 ppb 8260 CCV 68-127M
Misc : Soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	66660	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	55853	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31852	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	19702	9.466	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 94.70%			
30) 1,2-Dichloroethane-d4	4.45	102	4189	10.137	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.40%			
35) Toluene-d8	6.11	98	57317	9.234	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 92.30%			
57) 4-Bromofluorobenzene	8.51	95	19806	10.085	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.90%			
Target Compounds						Qvalue
2) Ethanol	2.34	45	74	No Calib		
4) Dichlorodifluoromethane	1.11	85	46452	9.550	ppb	100
5) Chloromethane	1.25	50	29504	8.855	ppb	100
6] Vinyl chloride	1.33	62	32430	8.773	ppb	100
7) Bromomethane	1.57	94	29970	9.160	ppb	100
8] Chloroethane	1.66	64	16154	8.959	ppb	100
9) Trichlorofluoromethane	1.84	101	82823	9.416	ppb	100
10) 2-Propanol	2.34	45	74	No Calib		
11) Acetone	2.33	58	7103	47.265	ppb	100
12] 1,1-Dichloroethene	2.27	96	27678	9.432	ppb	100
13) Hexane	3.16	57	14142	9.202	ppb	100
14) Methylene chloride	2.69	84	14918	9.512	ppb	100
15) t-Butyl alcohol (TBA)	2.82	59	6243	45.166	ppb	100
16] Methyl t-butyl ether (...	2.93	73	33767	9.175	ppb	100
17] trans-1,2-Dichloroethene	2.92	96	17392	9.177	ppb	100
18) Diisopropyl ether (DIPE)	3.35	45	30211	9.417	ppb	100
19] 1,1-Dichloroethane	3.27	63	20263	9.300	ppb	100
20) Ethyl t-butyl ether (E...	3.66	87	16292	8.742	ppb	100
21) 2,2-Dichloropropane	3.76	77	13923	8.379	ppb	100
22] cis-1,2-Dichloroethene	3.77	96	18711	9.299	ppb	100
23) Chloroform	4.04	83	26704	9.324	ppb	100
24) 2-Butanone (MEK)	3.79	43	28454	47.917	ppb	100
25) t-Amyl methyl ether (T...	4.61	73	31660	9.200	ppb	100
26] 1,2-Dichloroethane (EDC)	4.52	62	17567	9.312	ppb	100
27] 1,1,1-Trichloroethane	4.19	97	26840	9.224	ppb	100
28) 1,1-Dichloropropene	4.33	75	17660	9.033	ppb	100
29) Carbon tetrachloride	4.33	117	28812	8.433	ppb	100
31] Benzene	4.50	78	52673	9.331	ppb	100
32] Trichloroethene	5.05	95	20042	9.577	ppb	100
33) 1,2-Dichloropropane	5.24	63	10897	9.455	ppb	100
34) Bromodichloromethane	5.48	83	18771	8.472	ppb	100
36) Dibromomethane	5.34	93	10660	9.327	ppb	100

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

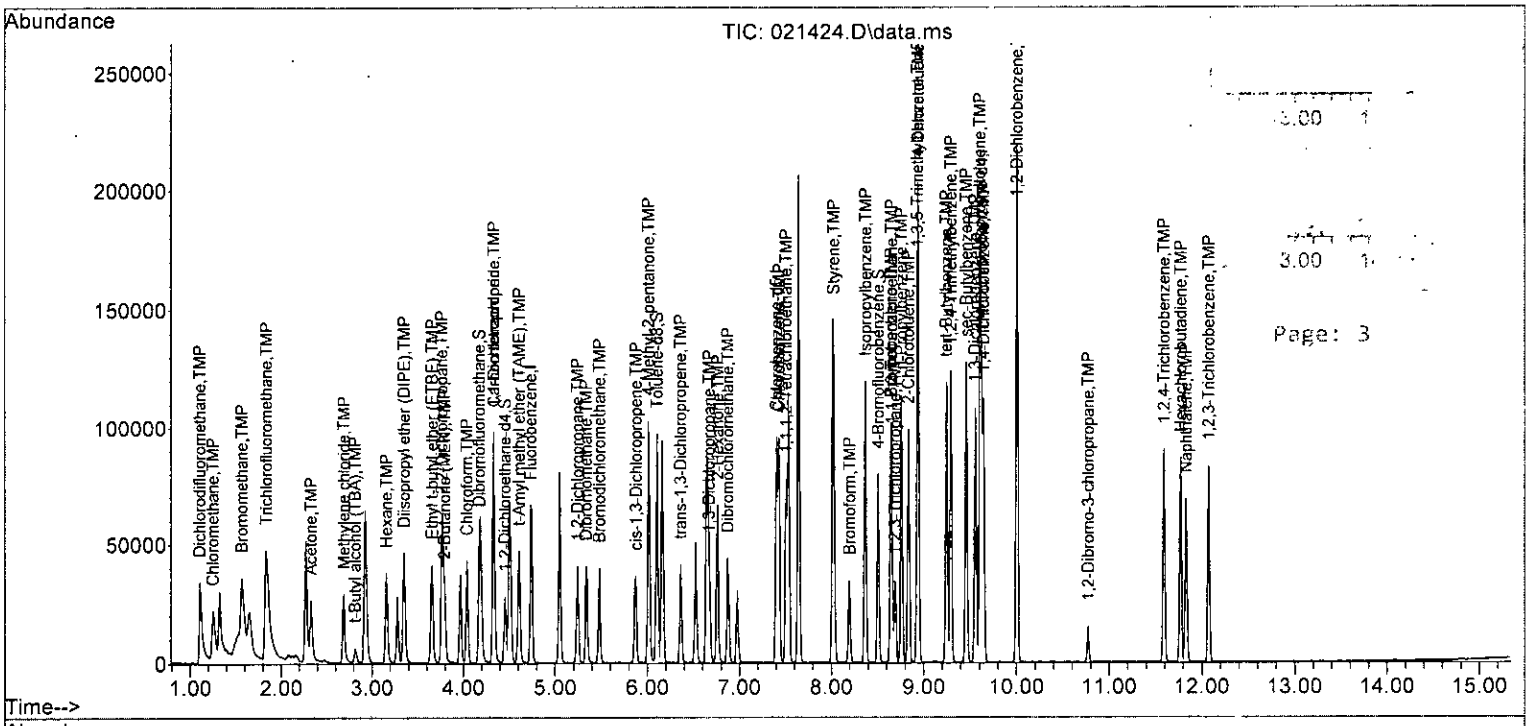
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	13376	46.698	ppb	100
38) cis-1,3-Dichloropropene	5.88	75	18496	9.091	ppb	100
40] Toluene	6.16	92	38979	9.869	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	16814	9.517	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	11116	9.811	ppb	100
43) 2-Hexanone	6.76	43	39117	48.513	ppb	100
44) 1,3-Dichloropropane	6.67	76	17872	9.415	ppb	100
45] Tetrachloroethene	6.65	164	23752	9.891	ppb	100
46) Dibromochloromethane	6.87	129	23172	9.492	ppb	100
47] 1,2-Dibromoethane (EDB)	6.97	107	17784	9.622	ppb	100
48) Chlorobenzene	7.43	112	53614	9.927	ppb	100
49] Ethylbenzene	7.54	91	71002	9.960	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	21452	9.825	ppb	100
51] m,p-Xylene	7.65	106	63312	20.150	ppb	100
52] o-Xylene	8.02	106	30408	9.976	ppb	100
53) Styrene	8.03	104	47012	9.848	ppb	100
54) Isopropylbenzene	8.37	105	75944	9.763	ppb	100
55) Bromoform	8.20	173	15505	9.426	ppb	100
58) n-Propylbenzene	8.76	91	75822	10.040	ppb	100
59) Bromobenzene	8.65	156	26678	9.774	ppb	100
60) 1,3,5-Trimethylbenzene	8.93	105	62500	10.083	ppb	100
61) 1,1,2,2-Tetrachloroethane	8.65	83	14592	9.456	ppb	100
62) 1,2,3-Trichloropropane	8.69	75	11389	9.800	ppb	100
63) 2-Chlorotoluene	8.84	91	44697	10.455	ppb	100
64) 4-Chlorotoluene	8.94	91	50632	9.901	ppb	100
65) tert-Butylbenzene	9.24	119	65059	9.944	ppb	100
66) 1,2,4-Trimethylbenzene	9.29	105	63780	10.059	ppb	100
67) sec-Butylbenzene	9.46	105	81446	10.101	ppb	100
68) p-Isopropyltoluene	9.60	119	80715	10.161	ppb	100
69) 1,3-Dichlorobenzene	9.55	146	48100	9.841	ppb	100
70) 1,4-Dichlorobenzene	9.64	146	46178	9.835	ppb	100
71) 1,2-Dichlorobenzene	10.01	146	45586	9.854	ppb	100
72) 1,2-Dibromo-3-chloropr...	10.77	75	2383	8.857	ppb	100
73) 1,2,4-Trichlorobenzene	11.59	180	28749	9.358	ppb	100
74) Hexachlorobutadiene	11.77	225	18499	9.680	ppb	100
75) Naphthalene	11.83	128	55957	9.789	ppb	100
76) 1,2,3-Trichlorobenzene	12.07	180	26549	10.210	ppb	100

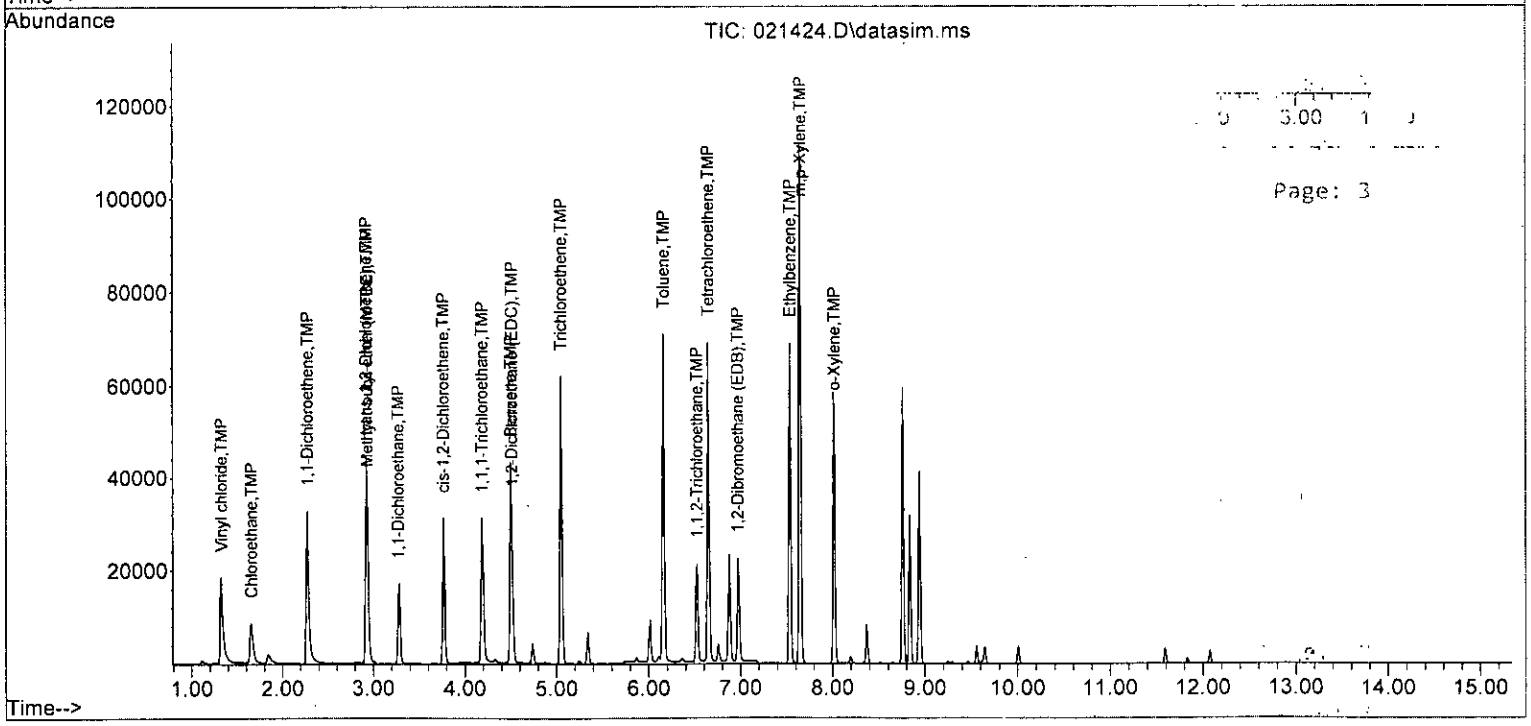
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	0.00
3	S	Dibromofluoromethane	10.000	9.466	5.3	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	9.550	4.5	100	0.00
5	TMP	Chloromethane	10.000	8.855	11.4	100	0.00
6	TMP	Vinyl chloride	10.000	8.773	12.3	100	0.00
7	TMP	Bromomethane	10.000	9.160	8.4	100	0.00
8	TMP	Chloroethane	10.000	8.959	10.4	100	0.00
9	TMP	Trichlorofluoromethane	10.000	9.416	5.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	100	0.00
11	TMP	Acetone	50.000	47.265	5.5	100	0.00
12	TMP	1,1-Dichloroethene	10.000	9.432	5.7	100	0.00
13	TMP	Hexane	10.000	9.202	8.0	100	0.00
14	TMP	Methylene chloride	10.000	9.512	4.9	100	0.00
15	TMP	t-Butyl alcohol (TBA)	50.000	45.166	9.7	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	9.175	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.177	8.2	100	0.00
18	TMP	Diisopropyl ether (DIPE)	10.000	9.417	5.8	100	0.00
19	TMP	1,1-Dichloroethane	10.000	9.300	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	8.742	12.6	100	0.00
21	TMP	2,2-Dichloropropane	10.000	8.379	16.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	9.299	7.0	100	0.00
23	TMP	Chloroform	10.000	9.324	6.8	100	0.00
24	TMP	2-Butanone (MEK)	50.000	47.917	4.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	10.000	9.200	8.0	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.312	6.9	100	0.00
27	TMP	1,1,1-Trichloroethane	10.000	9.224	7.8	100	0.00
28	TMP	1,1-Dichloropropene	10.000	9.033	9.7	100	0.00
29	TMP	Carbon tetrachloride	10.000	8.433	15.7	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.137	-1.4	100	0.00
31	TMP	Benzene	10.000	9.331	6.7	100	0.00
32	TMP	Trichloroethene	10.000	9.577	4.2	100	0.00
33	TMP	1,2-Dichloropropane	10.000	9.455	5.4	100	0.00
34	TMP	Bromodichloromethane	10.000	8.472	15.3	100	0.00
35	S	Toluene-d8	10.000	9.234	7.7	100	0.00
36	TMP	Dibromomethane	10.000	9.327	6.7	100	0.00
37	TMP	4-Methyl-2-pentanone	50.000	46.698	6.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	9.091	9.1	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	9.869	1.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	9.517	4.8	100	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.811	1.9	100	0.00
43	TMP	2-Hexanone	50.000	48.513	3.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.415	5.9	100	0.00
45	TMP	Tetrachloroethene	10.000	9.891	1.1	100	0.00
46	TMP	Dibromochloromethane	10.000	9.492	5.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.622	3.8	100	0.00
48	TMP	Chlorobenzene	10.000	9.927	0.7	100	0.00
49	TMP	Ethylbenzene	10.000	9.960	0.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.825	1.8	100	0.00
51	TMP	m,p-Xylene	20.000	20.150	-0.7	100	0.00
52	TMP	o-Xylene	10.000	9.976	0.2	100	0.00
53	TMP	Styrene	10.000	9.848	1.5	100	0.00
54	TMP	Isopropylbenzene	10.000	9.763	2.4	100	0.00
55	TMP	Bromoform	10.000	9.426	5.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.085	-0.9	100	0.00
58	TMP	n-Propylbenzene	10.000	10.040	-0.4	100	0.00
59	TMP	Bromobenzene	10.000	9.774	2.3	100	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.083	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.456	5.4	100	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.800	2.0	100	0.00
63	TMP	2-Chlorotoluene	10.000	10.455	-4.6	100	0.00
64	TMP	4-Chlorotoluene	10.000	9.901	1.0	100	0.00
65	TMP	tert-Butylbenzene	10.000	9.944	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.059	-0.6	100	0.00
67	TMP	sec-Butylbenzene	10.000	10.101	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	10.000	10.161	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.841	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	10.000	9.835	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.854	1.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	8.857	11.4	100	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	9.358	6.4	100	0.00
74	TMP	Hexachlorobutadiene	10.000	9.680	3.2	100	0.00
75	TMP	Naphthalene	10.000	9.789	2.1	100	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	10.210	-2.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	0.00
3	S	Dibromofluoromethane	0.312	0.296	5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.697	4.5	100	0.00
5	TMP	Chloromethane	0.500	0.443	11.4	100	0.00
6	TMP	Vinyl chloride	0.532	0.486	8.6	100	0.00
7	TMP	Bromomethane	0.491	0.450	8.4	100	0.00
8	TMP	Chloroethane	0.247	0.242	2.0	100	0.00
9	TMP	Trichlorofluoromethane	1.319	1.242	5.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	100	0.00
11	TMP	Acetone	0.025	0.021	16.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.415	5.7	100	0.00
13	TMP	Hexane	0.231	0.212	8.2	100	0.00
14	TMP	Methylene chloride	0.235	0.224	4.7	100	0.00
15	TMP	t-Butyl alcohol (TBA)	0.021	0.019#	9.5	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.507	8.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.261	8.1	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.453#	5.8	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.304	7.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.244	5.4	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.209	11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.281	7.0	100	0.00
23	TMP	Chloroform	0.430	0.401	6.7	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.085	4.5	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.475#	7.9	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.264	12.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.403	7.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.265	9.6	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.432	6.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.063	-1.6	100	0.00
31	TMP	Benzene	0.876	0.790	9.8	100	0.00
32	TMP	Trichloroethene	0.338	0.301	10.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.163	5.8	100	0.00
34	TMP	Bromodichloromethane	0.300	0.282	6.0	100	0.00
35	S	Toluene-d8	0.931	0.860	7.6	100	0.00
36	TMP	Dibromomethane	0.171	0.160	6.4	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.040	7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.277	10.4	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.698	8.6	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.301	4.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.199	2.0	100	0.00
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021424.D
Acq On : 14 Feb 2023 07:56 pm
Operator : lm
Sample : 10 ppb 8260 CCV 68-127N
Misc : Soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:48:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.320	5.9	100	0.00
45	TMP	Tetrachloroethene	0.452	0.425	6.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.415	5.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.318	3.9	100	0.00
48	TMP	Chlorobenzene	0.967	0.960	0.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.271	4.5	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.567	3.9	100	0.00
52	TMP	o-Xylene	0.566	0.544	3.9	100	0.00
53	TMP	Styrene	0.855	0.842	1.5	100	0.00
54	TMP	Isopropylbenzene	1.393	1.360	2.4	100	0.00
55	TMP	Bromoform	0.295	0.278	5.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.622	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.371	2.380	-0.4	100	0.00
59	TMP	Bromobenzene	0.857	0.838	2.2	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.962	-0.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.458#	3.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.358#	1.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.590	1.0	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.043	0.5	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.002	-0.6	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.534	-1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.450	1.6	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.431	1.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.075	10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.903	6.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.581	3.2	100	0.00
75	TMP	Naphthalene	1.920	1.757	8.5	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.834	3.0	100	0.00

(#) = Out of Range SPCC's out = 6 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-127O
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	58597	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	53628	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30943	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	18841	10.298 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.00%		
30) 1,2-Dichloroethane-d4	4.45	102	3739	10.293 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%		
35) Toluene-d8	6.10	98	55939	10.253 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.50%		
57) 4-Bromofluorobenzene	8.51	95	18992	9.955 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.60%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	102	No Calib	
4) Dichlorodifluoromethane	1.11	85	87119	20.375 ppb	95
5) Chloromethane	1.25	50	55903	19.086 ppb	82
6] Vinyl chloride	1.32	62	60477	18.604 ppb	93
7) Bromomethane	1.57	94	54098	19.179 ppb	99
8] Chloroethane	1.65	64	30251	18.946 ppb	95
9) Trichlorofluoromethane	1.84	101	151884	19.644 ppb	94
10) 2-Propanol	2.32	45	102	No Calib #	
11) Acetone	2.33	58	13535	102.680 ppb	94
12] 1,1-Dichloroethene	2.27	96	50491	19.574 ppb	92
13) Hexane	3.16	57	26477	19.599 ppb	99
14) Methylene chloride	2.68	84	26469	18.927 ppb	95
15) t-Butyl alcohol (TBA)	2.82	59	11527	94.869 ppb	91
16] Methyl t-butyl ether (...	2.93	73	63527	19.636 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	32474	19.493 ppb	94
18) Diisopropyl ether (DIPE)	3.35	45	56769	20.131 ppb	99
19] 1,1-Dichloroethane	3.27	63	38129	19.907 ppb	98
20) Ethyl t-butyl ether (E...	3.65	87	31111	18.862 ppb	98
21) 2,2-Dichloropropane	3.76	77	24871	16.939 ppb	100
22] cis-1,2-Dichloroethene	3.77	96	34785	19.667 ppb	96
23) Chloroform	4.04	83	49291	19.579 ppb	100
24) 2-Butanone (MEK)	3.79	43	53391	102.284 ppb	98
25) t-Amyl methyl ether (T...	4.61	73	60362	19.954 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	32697	19.740 ppb	98
27] 1,1,1-Trichloroethane	4.19	97	51388	20.090 ppb	98
28) 1,1-Dichloropropene	4.33	75	32984	19.192 ppb	98
29) Carbon tetrachloride	4.33	117	55186	18.211 ppb	93
31] Benzene	4.50	78	99112	19.979 ppb	98
32] Trichloroethene	5.05	95	36974	20.112 ppb	94
33) 1,2-Dichloropropane	5.24	63	20708	20.440 ppb	99
34) Bromodichloromethane	5.48	83	35991	18.399 ppb	98
36) Dibromomethane	5.34	93	20036	19.943 ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

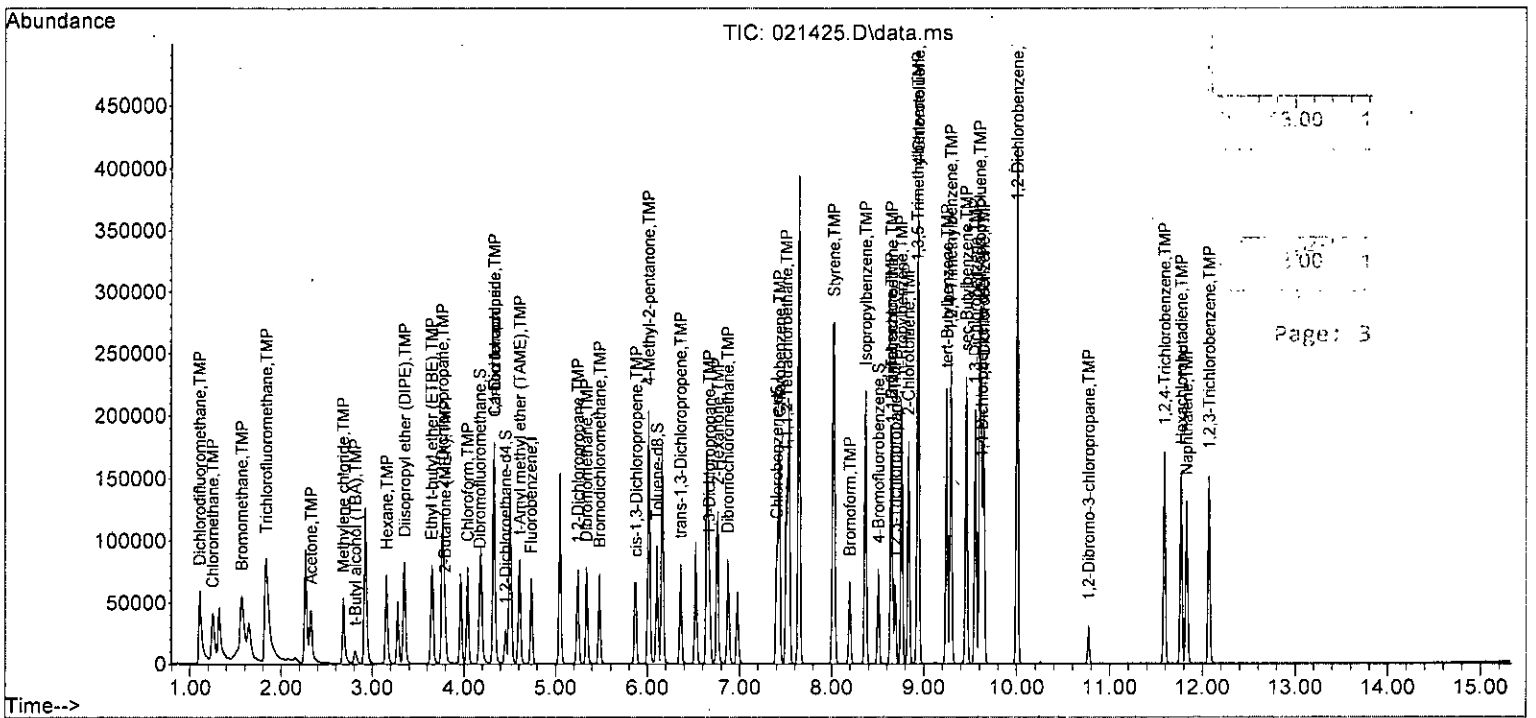
Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

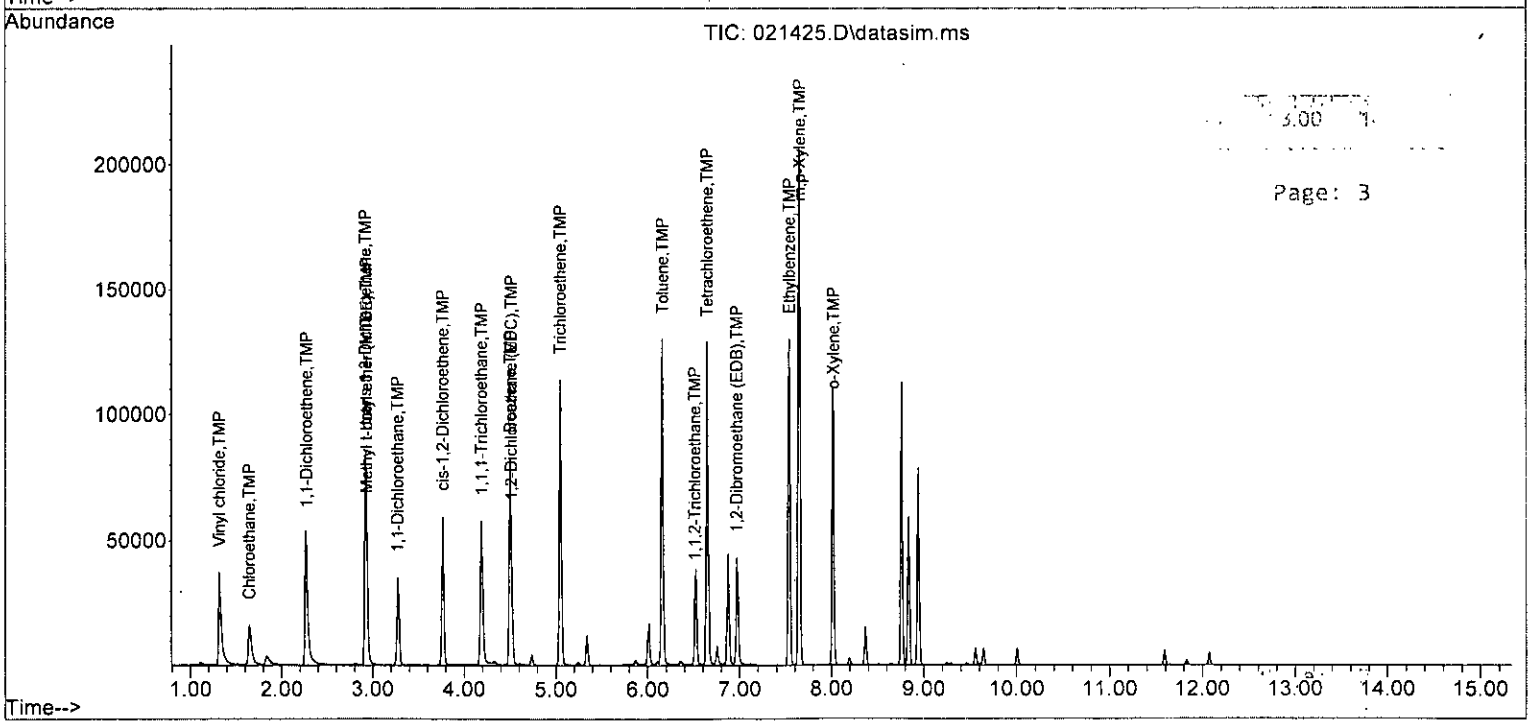
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	25326	100.585	ppb		97
38) cis-1,3-Dichloropropene	5.88	75	35335	19.463	ppb		96
40] Toluene	6.16	92	73714	19.450	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	32195	18.979	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	21006	19.309	ppb	#	68
43) 2-Hexanone	6.76	43	75783	97.886	ppb		98
44) 1,3-Dichloropropane	6.67	76	34468	18.911	ppb		92
45] Tetrachloroethene	6.65	164	44334	19.235	ppb		100
46) Dibromochloromethane	6.87	129	45917	19.589	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	34052	19.189	ppb		99
48) Chlorobenzene	7.43	112	100905	19.458	ppb		98
49] Ethylbenzene	7.54	91	134691	19.684	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	41145	19.627	ppb		97
51] m,p-Xylene	7.65	106	118356	39.246	ppb		100
52] o-Xylene	8.02	106	57092	19.514	ppb		100
53) Styrene	8.03	104	88950	19.406	ppb		100
54) Isopropylbenzene	8.37	105	144454	19.341	ppb		99
55) Bromoform	8.20	173	30154	19.092	ppb		94
58) n-Propylbenzene	8.76	91	143080	19.503	ppb		100
59) Bromobenzene	8.65	156	49994	18.853	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	118379	19.658	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	28029	18.665	ppb		98
62) 1,2,3-Trichloropropane	8.69	75	21504	19.048	ppb		99
63) 2-Chlorotoluene	8.84	91	82677	19.961	ppb		100
64) 4-Chlorotoluene	8.94	91	95872	19.298	ppb		98
65) tert-Butylbenzene	9.25	119	121675	19.144	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	121715	19.760	ppb		100
67) sec-Butylbenzene	9.46	105	151045	19.283	ppb		99
68) p-Isopropyltoluene	9.60	119	151930	19.688	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	90111	18.978	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	86045	18.863	ppb		99
71) 1,2-Dichlorobenzene	10.00	146	85599	19.047	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	4881	18.675	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	55702	18.663	ppb		99
74) Hexachlorobutadiene	11.77	225	34142	18.391	ppb		95
75) Naphthalene	11.83	128	111952	19.681	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	50598	19.677	ppb		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.298	-3.0	100	0.00
4	TMP	Dichlorodifluoromethane	20.000	20.375	-1.9	100	0.00
5	TMP	Chloromethane	20.000	19.086	4.6	100	0.00
6	TMP	Vinyl chloride	20.000	18.604	7.0	100	-0.01
7	TMP	Bromomethane	20.000	19.179	4.1	100	0.00
8	TMP	Chloroethane	20.000	18.946	5.3	100	-0.01
9	TMP	Trichlorofluoromethane	20.000	19.644	1.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	100.000	102.680	-2.7	100	0.00
12	TMP	1,1-Dichloroethene	20.000	19.574	2.1	100	0.00
13	TMP	Hexane	20.000	19.599	2.0	100	0.00
14	TMP	Methylene chloride	20.000	18.927	5.4	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	100.000	94.869	5.1	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	20.000	19.636	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	20.000	19.493	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	20.000	20.131	-0.7	100	0.00
19	TMP	1,1-Dichloroethane	20.000	19.907	0.5	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	18.862	5.7	100	-0.01
21	TMP	2,2-Dichloropropane	20.000	16.939	15.3	100	0.00
22	TMP	cis-1,2-Dichloroethene	20.000	19.667	1.7	100	0.00
23	TMP	Chloroform	20.000	19.579	2.1	100	0.00
24	TMP	2-Butanone (MEK)	100.000	102.284	-2.3	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	20.000	19.954	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	20.000	19.740	1.3	100	0.00
27	TMP	1,1,1-Trichloroethane	20.000	20.090	-0.4	100	0.00
28	TMP	1,1-Dichloropropene	20.000	19.192	4.0	100	0.00
29	TMP	Carbon tetrachloride	20.000	18.211	8.9	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.293	-2.9	100	0.00
31	TMP	Benzene	20.000	19.979	0.1	100	0.00
32	TMP	Trichloroethene	20.000	20.112	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	20.000	20.440	-2.2	100	0.00
34	TMP	Bromodichloromethane	20.000	18.399	8.0	100	0.00
35	S	Toluene-d8	10.000	10.253	-2.5	100	0.00
36	TMP	Dibromomethane	20.000	19.943	0.3	100	0.00
37	TMP	4-Methyl-2-pentanone	100.000	100.585	-0.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	20.000	19.463	2.7	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	19.450	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	20.000	18.979	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	20.000	19.309	3.5	100	-0.01
43	TMP	2-Hexanone	100.000	97.886	2.1	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	18.911	5.4	100	0.00
45	TMP	Tetrachloroethene	20.000	19.235	3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	19.589	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	20.000	19.189	4.1	100	0.00
48	TMP	Chlorobenzene	20.000	19.458	2.7	100	0.00
49	TMP	Ethylbenzene	20.000	19.684	1.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	20.000	19.627	1.9	100	0.00
51	TMP	m,p-Xylene	40.000	39.246	1.9	100	0.00
52	TMP	o-Xylene	20.000	19.514	2.4	100	0.00
53	TMP	Styrene	20.000	19.406	3.0	100	0.00
54	TMP	Isopropylbenzene	20.000	19.341	3.3	100	0.00
55	TMP	Bromoform	20.000	19.092	4.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.955	0.4	100	0.00
58	TMP	n-Propylbenzene	20.000	19.503	2.5	100	0.00
59	TMP	Bromobenzene	20.000	18.853	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	20.000	19.658	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	20.000	18.665	6.7	100	0.00
62	TMP	1,2,3-Trichloropropane	20.000	19.048	4.8	100	0.00
63	TMP	2-Chlorotoluene	20.000	19.961	0.2	100	0.00
64	TMP	4-Chlorotoluene	20.000	19.298	3.5	100	0.00
65	TMP	tert-Butylbenzene	20.000	19.144	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	20.000	19.760	1.2	100	0.00
67	TMP	sec-Butylbenzene	20.000	19.283	3.6	100	0.00
68	TMP	p-Isopropyltoluene	20.000	19.688	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	20.000	18.978	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	20.000	18.863	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	20.000	19.047	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	20.000	18.675	6.6	100	0.00
73	TMP	1,2,4-Trichlorobenzene	20.000	18.663	6.7	100	0.00
74	TMP	Hexachlorobutadiene	20.000	18.391	8.0	100	0.00
75	TMP	Naphthalene	20.000	19.681	1.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	20.000	19.677	1.6	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.322	-3.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.743	-1.8	100	0.00
5	TMP	Chloromethane	0.500	0.477	4.6	100	0.00
6	TMP	Vinyl chloride	0.532	0.516	3.0	100	-0.01
7	TMP	Bromomethane	0.491	0.462	5.9	100	0.00
8	TMP	Chloroethane	0.247	0.258	-4.5	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.296	1.7	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.431	2.0	100	0.00
13	TMP	Hexane	0.231	0.226	2.2	100	0.00
14	TMP	Methylene chloride	0.235	0.226	3.8	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.020#	4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.277	2.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.484#	-0.6	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.325	0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.265	-2.7	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.212	9.8	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.297	1.7	100	0.00
23	TMP	Chloroform	0.430	0.421	2.1	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.091	-2.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.515	0.2	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.279	7.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.438	-0.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.281	4.1	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.471	-1.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.846	3.4	100	0.00
32	TMP	Trichloroethene	0.338	0.315	6.8	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.177	-2.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.307	-2.3	100	0.00
35	S	Toluene-d8	0.931	0.955	-2.6	100	0.00
36	TMP	Dibromomethane	0.171	0.171	0.0	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.043	0.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.302	2.3	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.687	10.1	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.300	5.1	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.141	2.1	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021425.D
Acq On : 14 Feb 2023 08:20 pm
Operator : lm
Sample : 20 ppb 8260 CCV 68-1270
Misc : Soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:01 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.321	5.6	100	0.00
45	TMP	Tetrachloroethene	0.452	0.413	8.6	100	0.00
46	TMP	Dibromochloromethane	0.437	0.428	2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.317	4.2	100	0.00
48	TMP	Chlorobenzene	0.967	0.941	2.7	100	0.00
49	TMP	Ethylbenzene	1.331	1.256	5.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.384	1.8	100	0.00
51	TMP	m,p-Xylene	0.590	0.552	6.4	100	0.00
52	TMP	o-Xylene	0.566	0.532	6.0	100	0.00
53	TMP	Styrene	0.855	0.829	3.0	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.281	4.7	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.614	0.5	100	0.00
58	TMP	n-Propylbenzene	2.371	2.312	2.5	100	0.00
59	TMP	Bromobenzene	0.857	0.808	5.7	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.913	1.7	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.453#	4.2	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.347#	4.9	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.336	4.5	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.549	3.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.966	4.3	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.967	1.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.441	3.6	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.455	1.6	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.456	5.1	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.390	5.7	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.383	4.8	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.079	6.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.900	6.7	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.552	8.0	100	0.00
75	TMP	Naphthalene	1.920	1.809	5.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.818	4.9	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.454	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	54.612	-9.2	100	-0.01
5	TMP	Chloromethane	50.000	52.293	-4.6	100	-0.01
6	TMP	Vinyl chloride	50.000	50.133	-0.3	100	-0.01
7	TMP	Bromomethane	50.000	50.209	-0.4	100	-0.01
8	TMP	Chloroethane	50.000	49.683	0.6	100	-0.02
9	TMP	Trichlorofluoromethane	50.000	53.003	-6.0	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	250.000	258.870	-3.5	100	-0.01
12	TMP	1,1-Dichloroethene	50.000	51.159	-2.3	100	-0.01
13	TMP	Hexane	50.000	51.395	-2.8	100	0.00
14	TMP	Methylene chloride	50.000	50.030	-0.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	250.000	264.435	-5.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	50.000	51.859	-3.7	100	-0.01
17	TMP	trans-1,2-Dichloroethene	50.000	51.212	-2.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	50.000	52.885	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	50.000	52.342	-4.7	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	49.899	0.2	100	-0.01
21	TMP	2,2-Dichloropropane	50.000	53.281	-6.6	100	0.00
22	TMP	cis-1,2-Dichloroethene	50.000	51.281	-2.6	100	0.00
23	TMP	Chloroform	50.000	51.629	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	250.000	269.929	-8.0	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	50.000	52.645	-5.3	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	50.000	51.399	-2.8	100	0.00
27	TMP	1,1,1-Trichloroethane	50.000	53.236	-6.5	100	0.00
28	TMP	1,1-Dichloropropene	50.000	51.064	-2.1	100	-0.01
29	TMP	Carbon tetrachloride	50.000	49.313	1.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.060	-0.6	100	0.00
31	TMP	Benzene	50.000	52.504	-5.0	100	0.00
32	TMP	Trichloroethene	50.000	52.819	-5.6	100	-0.01
33	TMP	1,2-Dichloropropane	50.000	52.719	-5.4	100	0.00
34	TMP	Bromodichloromethane	50.000	48.971	2.1	100	0.00
35	S	Toluene-d8	10.000	10.639	-6.4	100	0.00
36	TMP	Dibromomethane	50.000	53.775	-7.5	100	0.00
37	TMP	4-Methyl-2-pentanone	250.000	274.451	-9.8	100	0.00
38	TMP	cis-1,3-Dichloropropene	50.000	53.111	-6.2	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	49.735	0.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	50.000	52.173	-4.3	100	0.00
42	TMP	1,1,2-Trichloroethane	50.000	49.507	1.0	100	-0.01
43	TMP	2-Hexanone	250.000	248.588	0.6	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	48.099	3.8	100	0.00
45	TMP	Tetrachloroethene	50.000	49.002	2.0	100	0.00
46	TMP	Dibromochloromethane	50.000	50.981	-2.0	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	50.000	48.741	2.5	100	0.00
48	TMP	Chlorobenzene	50.000	49.970	0.1	100	0.00
49	TMP	Ethylbenzene	50.000	49.687	0.6	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	50.000	51.065	-2.1	100	0.00
51	TMP	m,p-Xylene	100.000	98.445	1.6	100	0.00
52	TMP	o-Xylene	50.000	49.280	1.4	100	0.00
53	TMP	Styrene	50.000	49.718	0.6	100	0.00
54	TMP	Isopropylbenzene	50.000	49.622	0.8	100	0.00
55	TMP	Bromoform	50.000	51.722	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.535	4.6	100	0.00
58	TMP	n-Propylbenzene	50.000	49.558	0.9	100	0.00
59	TMP	Bromobenzene	50.000	48.940	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	50.000	50.030	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	50.000	48.480	3.0	100	0.00
62	TMP	1,2,3-Trichloropropane	50.000	48.335	3.3	100	0.00
63	TMP	2-Chlorotoluene	50.000	50.560	-1.1	100	0.00
64	TMP	4-Chlorotoluene	50.000	48.844	2.3	100	0.00
65	TMP	tert-Butylbenzene	50.000	49.700	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	50.000	50.910	-1.8	100	0.00
67	TMP	sec-Butylbenzene	50.000	50.501	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	50.000	51.711	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	50.000	49.209	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	50.000	49.359	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	50.000	49.662	0.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	50.000	49.530	0.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	50.000	52.501	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	50.000	49.681	0.6	100	0.00
75	TMP	Naphthalene	50.000	52.317	-4.6	100	0.00
76	TMP	1,2,3-Trichlorobenzene	50.000	51.939	-3.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.326	-4.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.797	-9.2	100	-0.01
5	TMP	Chloromethane	0.500	0.523	-4.6	100	-0.01
6	TMP	Vinyl chloride	0.532	0.556	-4.5	100	-0.01
7	TMP	Bromomethane	0.491	0.478	2.6	100	-0.01
8	TMP	Chloroethane	0.247	0.272	-10.1	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.399	-6.1	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.024	4.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.450	-2.3	100	-0.01
13	TMP	Hexane	0.231	0.237	-2.6	100	0.00
14	TMP	Methylene chloride	0.235	0.241	-2.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.573	-3.8	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.291	-2.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.509	-5.8	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.342	-4.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.282	-9.3	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.268	-14.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.310	-2.6	100	0.00
23	TMP	Chloroform	0.430	0.444	-3.3	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.096	-7.9	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.544	-5.4	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.290	3.7	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.465	-6.4	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.300	-2.4	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.513	-10.8	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.062	0.0	100	0.00
31	TMP	Benzene	0.876	0.889	-1.5	100	0.00
32	TMP	Trichloroethene	0.338	0.331	2.1	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.182	-5.2	100	0.00
34	TMP	Bromodichloromethane	0.300	0.328	-9.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.184	-7.6	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.047	-9.3	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.344	-11.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.703	8.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.330	-4.4	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.201	1.0	100	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.327	3.8	100	0.00
45	TMP	Tetrachloroethene	0.452	0.421	6.9	100	0.00
46	TMP	Dibromochloromethane	0.437	0.446	-2.1	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.323	2.4	100	0.00
48	TMP	Chlorobenzene	0.967	0.966	0.1	100	0.00
49	TMP	Ethylbenzene	1.331	1.268	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.553	6.3	100	0.00
52	TMP	o-Xylene	0.566	0.538	4.9	100	0.00
53	TMP	Styrene	0.855	0.850	0.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.382	0.8	100	0.00
55	TMP	Bromoform	0.295	0.305	-3.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.588	4.7	100	0.00
58	TMP	n-Propylbenzene	2.371	2.350	0.9	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.947	-0.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.471#	0.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.353#	3.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.351	3.4	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.568	2.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.042	0.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.027	-1.8	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.557	-1.0	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.579	-3.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.510	1.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.455	1.3	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.443	0.6	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.084	0.0	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.013	-5.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.596	0.7	100	0.00
75	TMP	Naphthalene	1.920	2.072	-7.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.913	-6.2	100	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	54707	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	52254	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30340	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17856	10.454 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.50%		
30) 1,2-Dichloroethane-d4	4.45	102	3412	10.060 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 100.60%		
35) Toluene-d8	6.11	98	54194	10.639 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.40%		
57) 4-Bromofluorobenzene	8.51	95	17837	9.535 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 95.40%		
Target Compounds					Qvalue
2) Ethanol	2.32	45	439	No Calib	
4) Dichlorodifluoromethane	1.10	85	218007	54.612 ppb	98
5) Chloromethane	1.24	50	142999	52.293 ppb	89
6] Vinyl chloride	1.32	62	152180	50.133 ppb	99
7) Bromomethane	1.56	94	130756	50.209 ppb	98
8] Chloroethane	1.64	64	74361	49.683 ppb	93
9) Trichlorofluoromethane	1.83	101	382601	53.003 ppb	95
10) 2-Propanol	2.32	45	439	No Calib	
11) Acetone	2.32	58	32550	258.870 ppb	100
12] 1,1-Dichloroethene	2.26	96	123203	51.159 ppb	95
13) Hexane	3.16	57	64822	51.395 ppb	97
14) Methylene chloride	2.68	84	65903	50.030 ppb	96
15) t-Butyl alcohol (TBA)	2.81	59	29997	264.435 ppb	95
16] Methyl t-butyl ether (...	2.92	73	156637	51.859 ppb	99
17] trans-1,2-Dichloroethene	2.91	96	79654	51.212 ppb	94
18) Diisopropyl ether (DIPE)	3.34	45	139234	52.885 ppb	98
19] 1,1-Dichloroethane	3.27	63	93598	52.342 ppb	93
20) Ethyl t-butyl ether (E...	3.65	87	77118	49.899 ppb	98
21) 2,2-Dichloropropane	3.76	77	73284	53.281 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	84678	51.281 ppb	91
23) Chloroform	4.04	83	121347	51.629 ppb	97
24) 2-Butanone (MEK)	3.78	43	131546	269.929 ppb	100
25) t-Amyl methyl ether (T...	4.60	73	148684	52.645 ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	79434	51.399 ppb	96
27] 1,1,1-Trichloroethane	4.19	97	127129	53.236 ppb	94
28) 1,1-Dichloropropene	4.32	75	81936	51.064 ppb	96
29) Carbon tetrachloride	4.32	117	140188	49.313 ppb	98
31] Benzene	4.50	78	243137	52.504 ppb	97
32] Trichloroethene	5.04	95	90626	52.819 ppb #	75
33) 1,2-Dichloropropane	5.24	63	49865	52.719 ppb	99
34) Bromodichloromethane	5.48	83	89640	48.971 ppb	100
36) Dibromomethane	5.34	93	50438	53.775 ppb	97

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

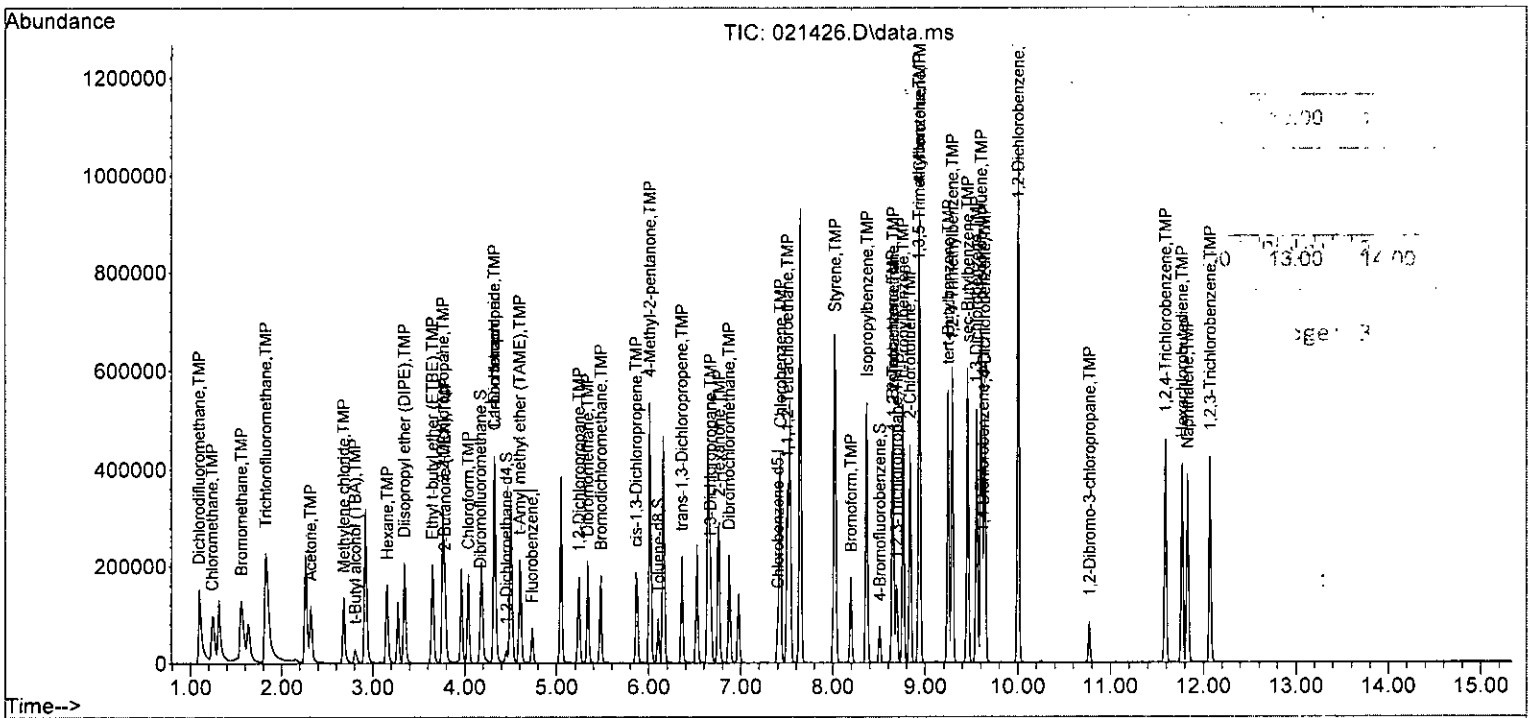
Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

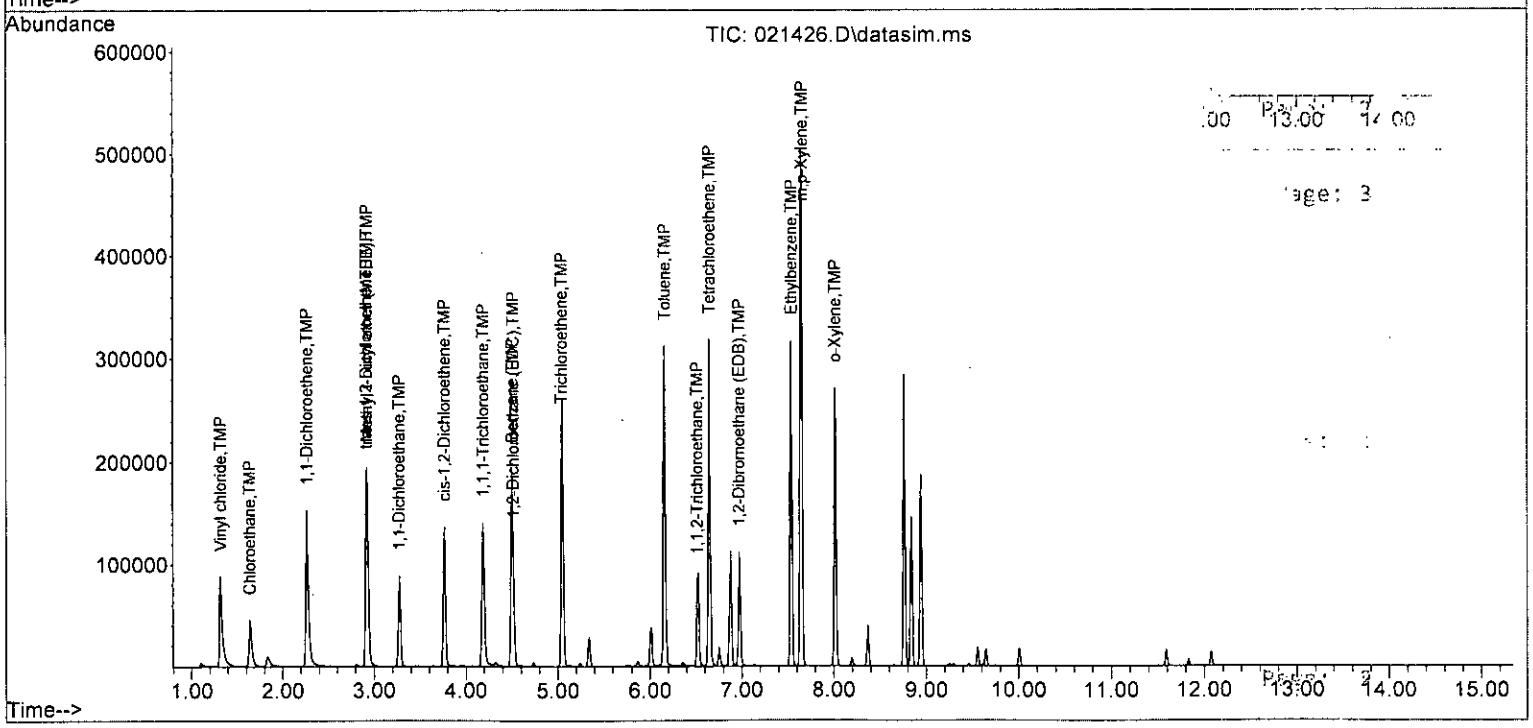
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	64516	274.451	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	94029	53.111	ppb		94
40] Toluene	6.16	92	183592	49.735	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	86237	52.173	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	52478	49.507	ppb	#	70
43) 2-Hexanone	6.76	43	187524	248.588	ppb		96
44) 1,3-Dichloropropane	6.67	76	85420	48.099	ppb		93
45] Tetrachloroethene	6.65	164	110024	49.002	ppb		98
46) Dibromochloromethane	6.87	129	116441	50.981	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	84279	48.741	ppb		98
48) Chlorobenzene	7.43	112	252495	49.970	ppb		97
49] Ethylbenzene	7.54	91	331213	49.687	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	104306	51.065	ppb		99
51] m,p-Xylene	7.65	106	289211	98.445	ppb		98
52] o-Xylene	8.01	106	140463	49.280	ppb	#	76
53) Styrene	8.03	104	222053	49.718	ppb		100
54) Isopropylbenzene	8.37	105	361128	49.622	ppb		98
55) Bromoform	8.20	173	79596	51.722	ppb		93
58) n-Propylbenzene	8.76	91	356480	49.558	ppb		99
59) Bromobenzene	8.65	156	127247	48.940	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	295398	50.030	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	71464	48.480	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	53504	48.335	ppb		97
63) 2-Chlorotoluene	8.84	91	204968	50.560	ppb		99
64) 4-Chlorotoluene	8.94	91	237931	48.844	ppb		99
65) tert-Butylbenzene	9.25	119	309718	49.700	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	307480	50.910	ppb		99
67) sec-Butylbenzene	9.46	105	387860	50.501	ppb		100
68) p-Isopropyltoluene	9.60	119	391269	51.711	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	229101	49.209	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	220763	49.359	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	218840	49.662	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	12693	49.530	ppb		98
73) 1,2,4-Trichlorobenzene	11.59	180	153637	52.501	ppb		98
74) Hexachlorobutadiene	11.77	225	90435	49.681	ppb		97
75) Naphthalene	11.83	128	314286	52.317	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	138480	51.939	ppb		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021426.D
Acq On : 14 Feb 2023 08:43 pm
Operator : lm
Sample : 50 ppb 8260 CCV 68-127Q
Misc : Soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:05 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	53347	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	50610	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29761	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	17508	10.511	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%				
30) 1,2-Dichloroethane-d4	4.45	102	3465	10.477	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.80%				
35) Toluene-d8	6.11	98	52777	10.625	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.20%				
57) 4-Bromofluorobenzene	8.51	95	17765	9.682	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 96.80%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	574	No Calib			
4) Dichlorodifluoromethane	1.10	85	415346	106.698	ppb		97
5) Chloromethane	1.24	50	277263	103.976	ppb		90
6] Vinyl chloride	1.31	62	289351	97.746	ppb		94
7) Bromomethane	1.56	94	245839	97.131	ppb		96
8] Chloroethane	1.64	64	140393	96.078	ppb		97
9) Trichlorofluoromethane	1.83	101	766031	108.825	ppb		94
10) 2-Propanol	2.32	45	574	No Calib			
11) Acetone	2.32	58	60937	479.367	ppb		97
12] 1,1-Dichloroethene	2.26	96	232196	98.876	ppb		96
13) Hexane	3.15	57	127236	103.453	ppb		99
14) Methylene chloride	2.68	84	122887	95.423	ppb		98
15) t-Butyl alcohol (TBA)	2.81	59	57060	515.828	ppb		97
16] Methyl t-butyl ether (...	2.92	73	293438	99.628	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	149360	98.477	ppb		99
18) Diisopropyl ether (DIPE)	3.34	45	264918	103.189	ppb		98
19] 1,1-Dichloroethane	3.27	63	175346	100.557	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	145525	96.460	ppb		95
21) 2,2-Dichloropropane	3.76	77	139160	103.675	ppb		96
22] cis-1,2-Dichloroethene	3.76	96	157523	97.827	ppb		95
23) Chloroform	4.03	83	227768	99.378	ppb		98
24) 2-Butanone (MEK)	3.78	43	245161	515.889	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	280736	101.936	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	147492	97.888	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	240841	103.424	ppb		92
28) 1,1-Dichloropropene	4.32	75	157253	100.502	ppb		96
29) Carbon tetrachloride	4.32	117	265267	95.559	ppb		98
31] Benzene	4.50	78	453809	100.501	ppb		96
32] Trichloroethene	5.04	95	166729	99.662	ppb	#	80
33) 1,2-Dichloropropane	5.24	63	96004	104.086	ppb		100
34) Bromodichloromethane	5.48	83	172801	96.743	ppb		99
36) Dibromomethane	5.34	93	95167	104.050	ppb		95

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

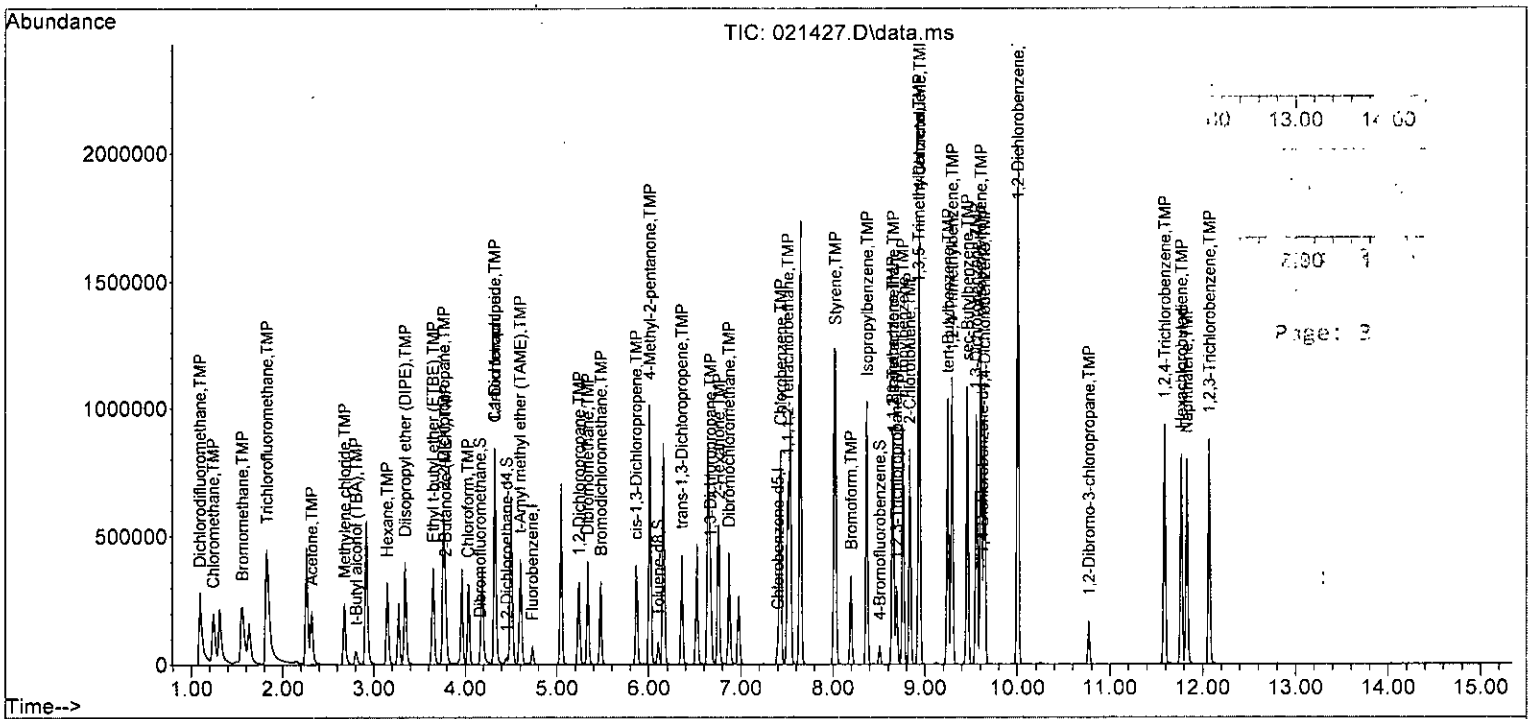
Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

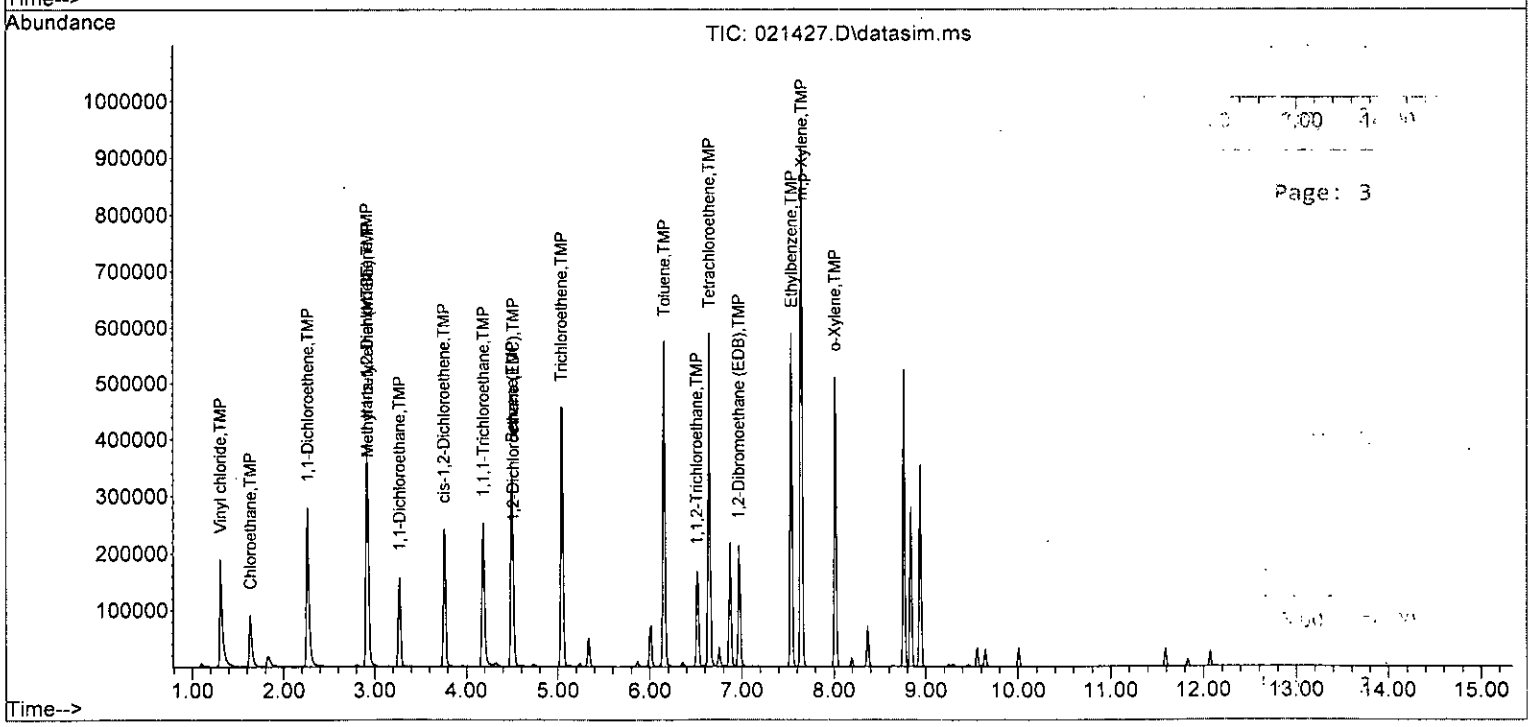
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	122539	534.571	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	185026	101.110	ppb		95
40] Toluene	6.16	92	347349	97.164	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	168879	105.490	ppb		99
42] 1,1,2-Trichloroethane	6.51	83	99324	96.744	ppb	#	72
43) 2-Hexanone	6.76	43	354803	485.617	ppb		96
44) 1,3-Dichloropropane	6.67	76	163691	95.167	ppb		93
45] Tetrachloroethene	6.65	164	205436	94.476	ppb		98
46) Dibromochloromethane	6.87	129	228449	103.270	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	159930	95.496	ppb		98
48) Chlorobenzene	7.43	112	480943	98.273	ppb		98
49] Ethylbenzene	7.54	91	614637	95.205	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	202140	102.176	ppb		98
51] m,p-Xylene	7.65	106	535020	188.046	ppb		97
52] o-Xylene	8.01	106	263446	95.435	ppb		79
53) Styrene	8.03	104	416815	96.357	ppb		100
54) Isopropylbenzene	8.37	105	681722	96.717	ppb		98
55) Bromoform	8.20	173	158543	106.370	ppb		93
58) n-Propylbenzene	8.76	91	665395	94.303	ppb		100
59) Bromobenzene	8.65	156	241024	94.503	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	549727	94.916	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	136031	94.044	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	101767	93.725	ppb		97
63) 2-Chlorotoluene	8.84	91	376232	94.663	ppb		99
64) 4-Chlorotoluene	8.94	91	442117	92.526	ppb		98
65) tert-Butylbenzene	9.25	119	584622	95.638	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	581155	98.095	ppb		99
67) sec-Butylbenzene	9.46	105	731609	97.111	ppb		99
68) p-Isopropyltoluene	9.60	119	739297	99.608	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	439566	96.253	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	418616	95.417	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	420647	97.316	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	26115	103.886	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	310022	108.001	ppb		99
74) Hexachlorobutadiene	11.77	225	178694	100.077	ppb		97
75) Naphthalene	11.83	128	650358	99.958	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	281521	99.698	ppb		99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.511	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	100.000	106.698	-6.7	100	-0.01
5	TMP	Chloromethane	100.000	103.976	-4.0	100	-0.01
6	TMP	Vinyl chloride	100.000	97.746	2.3	100	-0.02
7	TMP	Bromomethane	100.000	97.131	2.9	100	-0.01
8	TMP	Chloroethane	100.000	96.078	3.9	100	-0.02
9	TMP	Trichlorofluoromethane	100.000	108.825	-8.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	500.000	479.367	4.1	100	-0.01
12	TMP	1,1-Dichloroethene	100.000	98.876	1.1	100	-0.01
13	TMP	Hexane	100.000	103.453	-3.5	100	-0.01
14	TMP	Methylene chloride	100.000	95.423	4.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	500.000	515.828	-3.2	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	100.000	99.628	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	100.000	98.477	1.5	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	100.000	103.189	-3.2	100	-0.01
19	TMP	1,1-Dichloroethane	100.000	100.557	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	96.460	3.5	100	-0.01
21	TMP	2,2-Dichloropropane	100.000	103.675	-3.7	100	0.00
22	TMP	cis-1,2-Dichloroethene	100.000	97.827	2.2	100	-0.01
23	TMP	Chloroform	100.000	99.378	0.6	100	-0.01
24	TMP	2-Butanone (MEK)	500.000	515.889	-3.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	100.000	101.936	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	100.000	97.888	2.1	100	0.00
27	TMP	1,1,1-Trichloroethane	100.000	103.424	-3.4	100	0.00
28	TMP	1,1-Dichloropropene	100.000	100.502	-0.5	100	-0.01
29	TMP	Carbon tetrachloride	100.000	95.559	4.4	100	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.477	-4.8	100	0.00
31	TMP	Benzene	100.000	100.501	-0.5	100	0.00
32	TMP	Trichloroethene	100.000	99.662	0.3	100	-0.01
33	TMP	1,2-Dichloropropane	100.000	104.086	-4.1	100	0.00
34	TMP	Bromodichloromethane	100.000	96.743	3.3	100	0.00
35	S	Toluene-d8	10.000	10.625	-6.3	100	0.00
36	TMP	Dibromomethane	100.000	104.050	-4.0	100	0.00
37	TMP	4-Methyl-2-pentanone	500.000	534.571	-6.9	100	0.00
38	TMP	cis-1,3-Dichloropropene	100.000	101.110	-1.1	100	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	97.164	2.8	100	0.00
41	TMP	trans-1,3-Dichloropropene	100.000	105.490	-5.5	100	0.00
42	TMP	1,1,2-Trichloroethane	100.000	96.744	3.3	100	-0.01
43	TMP	2-Hexanone	500.000	485.617	2.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	95.167	4.8	100	0.00
45	TMP	Tetrachloroethene	100.000	94.476	5.5	100	0.00
46	TMP	Dibromochloromethane	100.000	103.270	-3.3	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	100.000	95.496	4.5	100	0.00
48	TMP	Chlorobenzene	100.000	98.273	1.7	100	0.00
49	TMP	Ethylbenzene	100.000	95.205	4.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	100.000	102.176	-2.2	100	0.00
51	TMP	m,p-Xylene	200.000	188.046	6.0	100	0.00
52	TMP	o-Xylene	100.000	95.435	4.6	100	0.00
53	TMP	Styrene	100.000	96.357	3.6	100	0.00
54	TMP	Isopropylbenzene	100.000	96.717	3.3	100	0.00
55	TMP	Bromoform	100.000	106.370	-6.4	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.682	3.2	100	0.00
58	TMP	n-Propylbenzene	100.000	94.303	5.7	100	0.00
59	TMP	Bromobenzene	100.000	94.503	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	100.000	94.916	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	100.000	94.044	6.0	100	0.00
62	TMP	1,2,3-Trichloropropane	100.000	93.725	6.3	100	0.00
63	TMP	2-Chlorotoluene	100.000	94.663	5.3	100	0.00
64	TMP	4-Chlorotoluene	100.000	92.526	7.5	100	0.00
65	TMP	tert-Butylbenzene	100.000	95.638	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	100.000	98.095	1.9	100	0.00
67	TMP	sec-Butylbenzene	100.000	97.111	2.9	100	0.00
68	TMP	p-Isopropyltoluene	100.000	99.608	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	100.000	96.253	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	100.000	95.417	4.6	100	0.00
71	TMP	1,2-Dichlorobenzene	100.000	97.316	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	100.000	103.886	-3.9	100	0.00
73	TMP	1,2,4-Trichlorobenzene	100.000	108.001	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	100.000	100.077	-0.1	100	0.00
75	TMP	Naphthalene	100.000	99.958	0.0	100	0.00
76	TMP	1,2,3-Trichlorobenzene	100.000	99.698	0.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.779	-6.7	100	-0.01
5	TMP	Chloromethane	0.500	0.520	-4.0	100	-0.01
6	TMP	Vinyl chloride	0.532	0.542	-1.9	100	-0.02
7	TMP	Bromomethane	0.491	0.461	6.1	100	-0.01
8	TMP	Chloroethane	0.247	0.263	-6.5	100	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.436	-8.9	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.023	8.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.435	1.1	100	-0.01
13	TMP	Hexane	0.231	0.239	-3.5	100	-0.01
14	TMP	Methylene chloride	0.235	0.230	2.1	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.550	0.4	100	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.497#	-3.3	100	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.329	-0.6	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.273	-5.8	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.261	-11.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	-0.01
23	TMP	Chloroform	0.430	0.427	0.7	100	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.526	-1.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.276	8.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.451	-3.2	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.295	-0.7	100	-0.01
29	TMP	Carbon tetrachloride	0.463	0.497	-7.3	100	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.851	2.9	100	0.00
32	TMP	Trichloroethene	0.338	0.313	7.4	100	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.324	-8.0	100	0.00
35	S	Toluene-d8	0.931	0.989	-6.2	100	0.00
36	TMP	Dibromomethane	0.171	0.178	-4.1	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.347	-12.3	100	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.686	10.2	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.334	-5.7	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.196	3.4	100	-0.01
43	TMP	2-Hexanone	0.144	0.140	2.8	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021427.D
Acq On : 14 Feb 2023 09:06 pm
Operator : lm
Sample : 100 ppb 8260 CCV 68-127S
Misc : Soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:10 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.323	5.0	100	0.00
45	TMP	Tetrachloroethene	0.452	0.406	10.2	100	0.00
46	TMP	Dibromochloromethane	0.437	0.451	-3.2	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.316	4.5	100	0.00
48	TMP	Chlorobenzene	0.967	0.950	1.8	100	0.00
49	TMP	Ethylbenzene	1.331	1.214	8.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.399	-2.0	100	0.00
51	TMP	m,p-Xylene	0.590	0.529	10.3	100	0.00
52	TMP	o-Xylene	0.566	0.521	8.0	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.347	3.3	100	0.00
55	TMP	Bromoform	0.295	0.313	-6.1	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.597	3.2	100	0.00
58	TMP	n-Propylbenzene	2.371	2.236	5.7	100	0.00
59	TMP	Bromobenzene	0.857	0.810	5.5	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.847	5.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.457#	3.4	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.342#	6.3	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.264	9.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.486	7.5	100	0.00
65	TMP	tert-Butylbenzene	2.054	1.964	4.4	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.953	1.9	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.458	2.9	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.484	0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.477	3.7	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.407	4.5	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.413	2.7	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.088	-4.8	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.042	-8.0	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.600	0.0	100	0.00
75	TMP	Naphthalene	1.920	2.185	-13.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.946	-10.0	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	53199	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	49596	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28754	10.000 ppb	# 0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	17455	10.508 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.10%		
30) 1,2-Dichloroethane-d4	4.45	102	3459	10.488 ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.90%		
35) Toluene-d8	6.11	98	52734	10.646 ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 106.50%		
57) 4-Bromofluorobenzene	8.51	95	17560	9.905 ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.10%		
Target Compounds					Qvalue
2) Ethanol	2.33	45	941	No Calib	
4) Dichlorodifluoromethane	1.11	85	606900	156.341 ppb	96
5) Chloromethane	1.25	50	402023	151.181 ppb	89
6] Vinyl chloride	1.32	62	424303	143.730 ppb	90
7) Bromomethane	1.57	94	367191	145.655 ppb	97
8] Chloroethane	1.65	64	212447	145.729 ppb	94
9) Trichlorofluoromethane	1.84	101	1124631	160.214 ppb	96
10) 2-Propanol	2.33	45	941	No Calib #	
11) Acetone	2.33	58	91851	699.089 ppb #	86
12] 1,1-Dichloroethene	2.27	96	346071	147.777 ppb	95
13) Hexane	3.16	57	182597	148.879 ppb	98
14) Methylene chloride	2.68	84	185963	144.665 ppb	94
15) t-Butyl alcohol (TBA)	2.82	59	88181	799.383 ppb	98
16] Methyl t-butyl ether (...	2.93	73	432611	147.288 ppb	97
17] trans-1,2-Dichloroethene	2.92	96	223108	147.510 ppb	96
18) Diisopropyl ether (DIPE)	3.35	45	390533	152.541 ppb	97
19] 1,1-Dichloroethane	3.27	63	261312	150.274 ppb	98
20) Ethyl t-butyl ether (E...	3.66	87	218922	145.458 ppb	94
21) 2,2-Dichloropropane	3.76	77	198640	148.363 ppb	98
22] cis-1,2-Dichloroethene	3.77	96	235051	146.381 ppb	97
23) Chloroform	4.04	83	340148	148.823 ppb	99
24) 2-Butanone (MEK)	3.79	43	366706	773.801 ppb	96
25) t-Amyl methyl ether (T...	4.61	73	414213	150.820 ppb	98
26] 1,2-Dichloroethane (EDC)	4.52	62	217722	144.910 ppb	99
27] 1,1,1-Trichloroethane	4.19	97	363506	156.534 ppb	98
28) 1,1-Dichloropropene	4.33	75	236634	151.656 ppb	98
29) Carbon tetrachloride	4.33	117	405130	146.275 ppb	97
31] Benzene	4.50	78	676886	150.323 ppb	99
32] Trichloroethene	5.05	95	245746	147.309 ppb	98
33) 1,2-Dichloropropane	5.24	63	143269	155.763 ppb	99
34) Bromodichloromethane	5.48	83	259436	145.617 ppb	99
36) Dibromomethane	5.34	93	143179	156.979 ppb	98

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

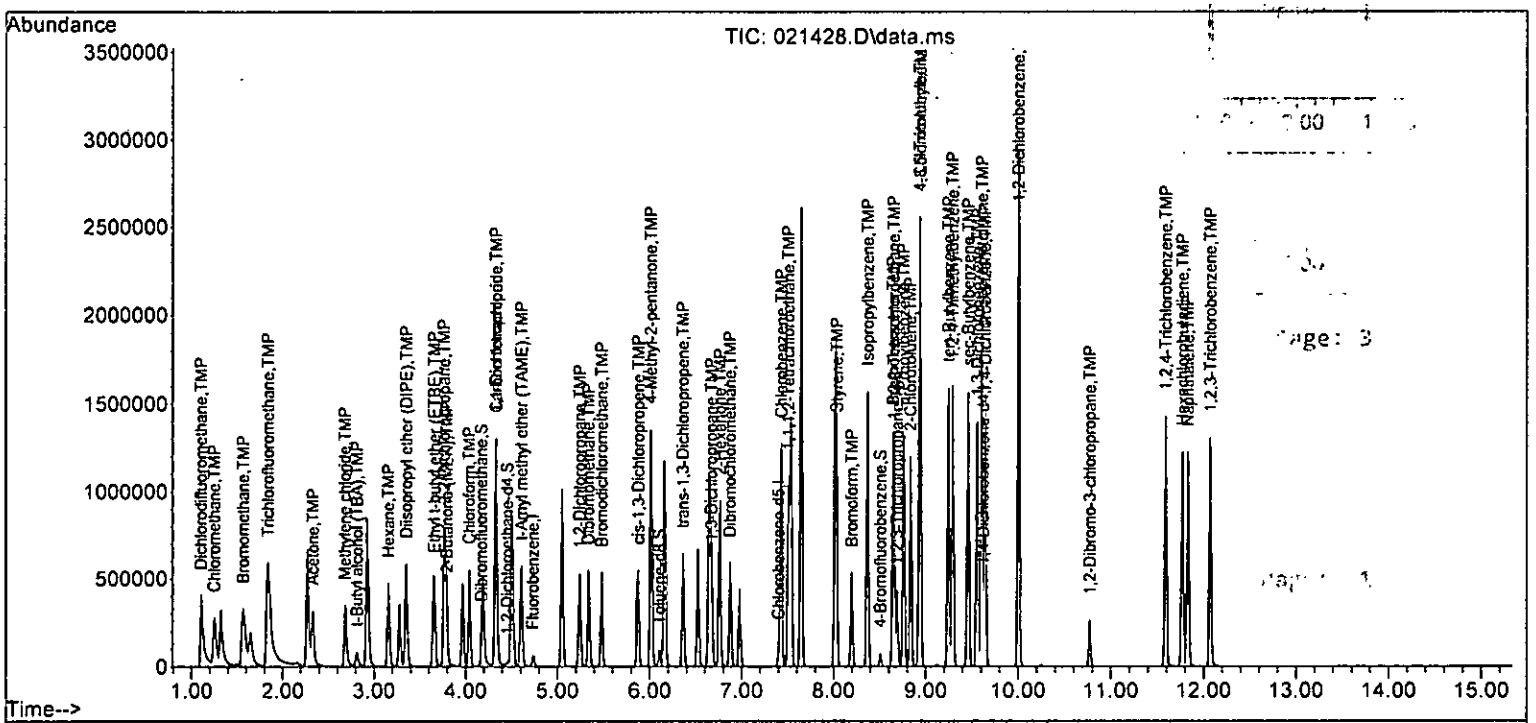
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	185189	810.126	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	279974	145.764	ppb	94
40] Toluene	6.16	92	515185	147.066	ppb	100
41) trans-1,3-Dichloropropene	6.36	75	257127	163.898	ppb	99
42] 1,1,2-Trichloroethane	6.53	83	148535	147.635	ppb	99
43) 2-Hexanone	6.76	43	528092	737.574	ppb	96
44) 1,3-Dichloropropane	6.67	76	240712	142.807	ppb	94
45] Tetrachloroethene	6.65	164	306097	143.650	ppb	100
46) Dibromochloromethane	6.87	129	340099	156.884	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	237329	144.609	ppb	100
48) Chlorobenzene	7.43	112	720826	150.300	ppb	98
49] Ethylbenzene	7.54	91	904105	142.910	ppb	100
50) 1,1,1,2-Tetrachloroethane	7.51	131	304304	156.962	ppb	99
51] m,p-Xylene	7.65	106	785409	281.703	ppb	99
52] o-Xylene	8.02	106	387120	143.107	ppb	98
53) Styrene	8.03	104	613324	144.684	ppb	94
54) Isopropylbenzene	8.37	105	1003749	145.315	ppb	99
55) Bromoform	8.20	173	240617	164.735	ppb	94
58) n-Propylbenzene	8.76	91	976871	143.296	ppb	99
59) Bromobenzene	8.65	156	361773	146.816	ppb	98
60) 1,3,5-Trimethylbenzene	8.94	105	805011	143.860	ppb	97
61) 1,1,2,2-Tetrachloroethane	8.65	83	206884	148.017	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	151359	144.279	ppb	97
63) 2-Chlorotoluene	8.84	91	551814	143.734	ppb	100
64) 4-Chlorotoluene	8.94	91	648753	140.526	ppb	97
65) tert-Butylbenzene	9.25	119	862802	146.088	ppb	95
66) 1,2,4-Trimethylbenzene	9.29	105	860405	150.316	ppb	99
67) sec-Butylbenzene	9.46	105	1076201	147.854	ppb	99
68) p-Isopropyltoluene	9.61	119	1079674	150.562	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	649331	147.165	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	620255	146.328	ppb	98
71) 1,2-Dichlorobenzene	10.01	146	623597	149.321	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	40124	165.205	ppb	93
73) 1,2,4-Trichlorobenzene	11.59	180	468157	168.802	ppb	98
74) Hexachlorobutadiene	11.77	225	264846	153.520	ppb	96
75) Naphthalene	11.83	128	1011118	147.122	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	428140	146.388	ppb	99

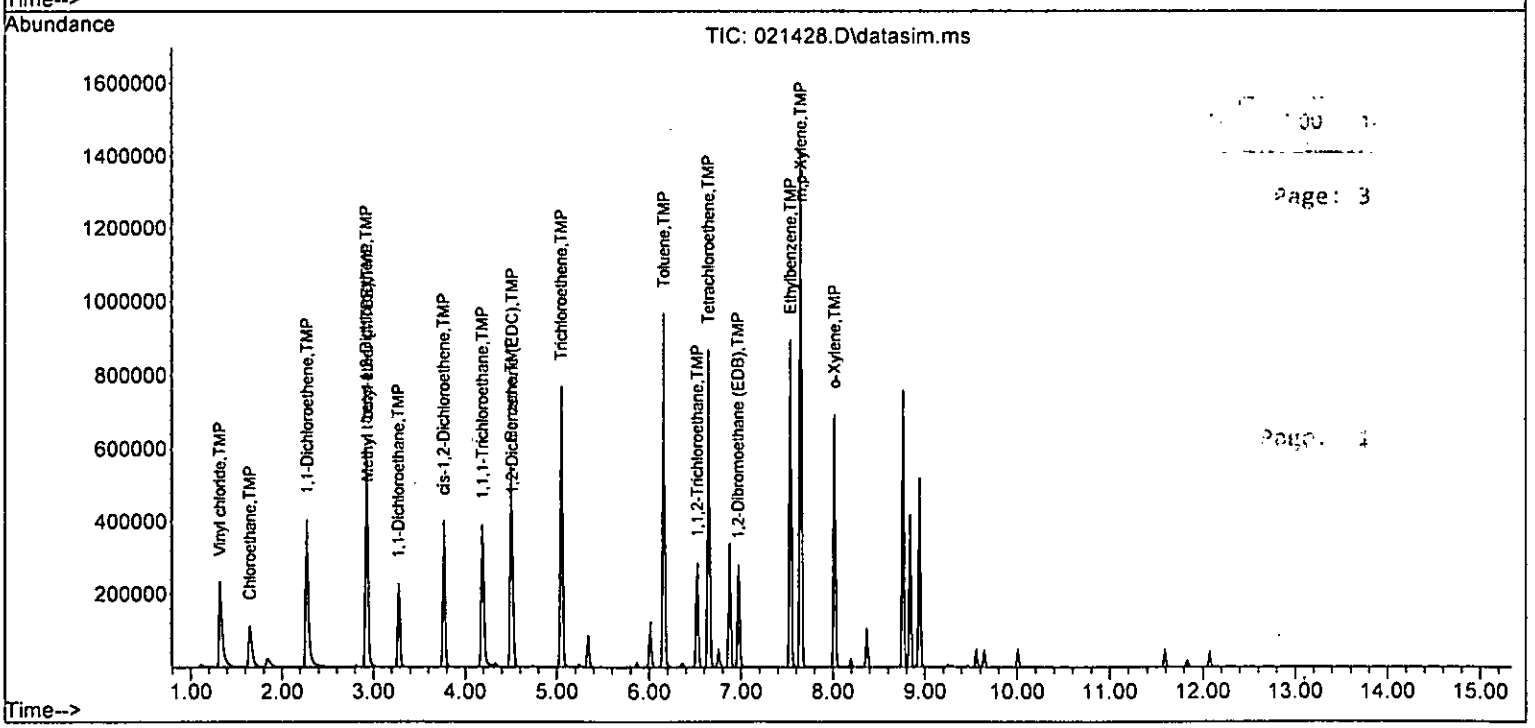
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.508	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	156.341	-4.2	100	0.00
5	TMP	Chloromethane	150.000	151.181	-0.8	100	0.00
6	TMP	Vinyl chloride	150.000	143.730	4.2	100	-0.01
7	TMP	Bromomethane	150.000	145.655	2.9	100	0.00
8	TMP	Chloroethane	150.000	145.729	2.8	100	-0.01
9	TMP	Trichlorofluoromethane	150.000	160.214	-6.8	100	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.01
11	TMP	Acetone	750.000	699.089	6.8	100	0.00
12	TMP	1,1-Dichloroethene	150.000	147.777	1.5	100	0.00
13	TMP	Hexane	150.000	148.879	0.7	100	0.00
14	TMP	Methylene chloride	150.000	144.665	3.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	750.000	799.383	-6.6	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	150.000	147.288	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	150.000	147.510	1.7	100	0.00
18	TMP	Diisopropyl ether (DIPE)	150.000	152.541	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	150.000	150.274	-0.2	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	145.458	3.0	100	0.00
21	TMP	2,2-Dichloropropane	150.000	148.363	1.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	150.000	146.381	2.4	100	0.00
23	TMP	Chloroform	150.000	148.823	0.8	100	0.00
24	TMP	2-Butanone (MEK)	750.000	773.801	-3.2	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	150.000	150.820	-0.5	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	150.000	144.910	3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	150.000	156.534	-4.4	100	0.00
28	TMP	1,1-Dichloropropene	150.000	151.656	-1.1	100	0.00
29	TMP	Carbon tetrachloride	150.000	146.275	2.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.488	-4.9	100	0.00
31	TMP	Benzene	150.000	150.323	-0.2	100	0.00
32	TMP	Trichloroethene	150.000	147.309	1.8	100	0.00
33	TMP	1,2-Dichloropropane	150.000	155.763	-3.8	100	0.00
34	TMP	Bromodichloromethane	150.000	145.617	2.9	100	0.00
35	S	Toluene-d8	10.000	10.646	-6.5	100	0.00
36	TMP	Dibromomethane	150.000	156.979	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	750.000	810.126	-8.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	150.000	145.764	2.8	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	147.066	2.0	100	0.00
41	TMP	trans-1,3-Dichloropropene	150.000	163.898	-9.3	100	0.00
42	TMP	1,1,2-Trichloroethane	150.000	147.635	1.6	100	0.00
43	TMP	2-Hexanone	750.000	737.574	1.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	142.807	4.8	100	0.00
45	TMP	Tetrachloroethene	150.000	143.650	4.2	100	0.00
46	TMP	Dibromochloromethane	150.000	156.884	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	150.000	144.609	3.6	100	0.00
48	TMP	Chlorobenzene	150.000	150.300	-0.2	100	0.00
49	TMP	Ethylbenzene	150.000	142.910	4.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	150.000	156.962	-4.6	100	0.00
51	TMP	m,p-Xylene	300.000	281.703	6.1	100	0.00
52	TMP	o-Xylene	150.000	143.107	4.6	100	0.00
53	TMP	Styrene	150.000	144.684	3.5	100	0.00
54	TMP	Isopropylbenzene	150.000	145.315	3.1	100	0.00
55	TMP	Bromoform	150.000	164.735	-9.8	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.905	1.0	100	0.00
58	TMP	n-Propylbenzene	150.000	143.296	4.5	100	0.00
59	TMP	Bromobenzene	150.000	146.816	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	150.000	143.860	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	150.000	148.017	1.3	100	0.00
62	TMP	1,2,3-Trichloropropane	150.000	144.279	3.8	100	0.00
63	TMP	2-Chlorotoluene	150.000	143.734	4.2	100	0.00
64	TMP	4-Chlorotoluene	150.000	140.526	6.3	100	0.00
65	TMP	tert-Butylbenzene	150.000	146.088	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	150.000	150.316	-0.2	100	0.00
67	TMP	sec-Butylbenzene	150.000	147.854	1.4	100	0.00
68	TMP	p-Isopropyltoluene	150.000	150.562	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	150.000	147.165	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	150.000	146.328	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	150.000	149.321	0.5	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	150.000	165.205	-10.1	100	0.00
73	TMP	1,2,4-Trichlorobenzene	150.000	168.802	-12.5	100	0.00
74	TMP	Hexachlorobutadiene	150.000	153.520	-2.3	100	0.00
75	TMP	Naphthalene	150.000	147.122	1.9	100	0.00
76	TMP	1,2,3-Trichlorobenzene	150.000	146.388	2.4	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.312	0.328	-5.1	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.761	-4.2	100	0.00
5	TMP	Chloromethane	0.500	0.504	-0.8	100	0.00
6	TMP	Vinyl chloride	0.532	0.532	0.0	100	-0.01
7	TMP	Bromomethane	0.491	0.460	6.3	100	0.00
8	TMP	Chloroethane	0.247	0.266	-7.7	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.409	-6.8	100	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.01
11	TMP	Acetone	0.025	0.023	8.0	100	0.00
12	TMP	1,1-Dichloroethene	0.440	0.434	1.4	100	0.00
13	TMP	Hexane	0.231	0.229	0.9	100	0.00
14	TMP	Methylene chloride	0.235	0.233	0.9	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.022#	-4.8	100	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.542	1.8	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.280	1.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.489#	-1.7	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.327	0.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	100	0.00
21	TMP	2,2-Dichloropropane	0.235	0.249	-6.0	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.295	2.3	100	0.00
23	TMP	Chloroform	0.430	0.426	0.9	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.092	-3.4	100	0.00
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.519	-0.6	100	0.00
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.273	9.3	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.456	-4.3	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.297	-1.4	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.508	-9.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.065	-4.8	100	0.00
31	TMP	Benzene	0.876	0.848	3.2	100	0.00
32	TMP	Trichloroethene	0.338	0.308	8.9	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.180	-4.0	100	0.00
34	TMP	Bromodichloromethane	0.300	0.325	-8.3	100	0.00
35	S	Toluene-d8	0.931	0.991	-6.4	100	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.351	-13.6	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.693	9.3	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.346	-9.5	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.200	1.5	100	0.00
43	TMP	2-Hexanone	0.144	0.142	1.4	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021428.D
Acq On : 14 Feb 2023 09:29 pm
Operator : lm
Sample : 150 ppb 8260 CCV 68-127T
Misc : Soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:14 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.324	4.7	100	0.00
45	TMP	Tetrachloroethene	0.452	0.411	9.1	100	0.00
46	TMP	Dibromochloromethane	0.437	0.457	-4.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.319	3.6	100	0.00
48	TMP	Chlorobenzene	0.967	0.969	-0.2	100	0.00
49	TMP	Ethylbenzene	1.331	1.215	8.7	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.409	-4.6	100	0.00
51	TMP	m,p-Xylene	0.590	0.528	10.5	100	0.00
52	TMP	o-Xylene	0.566	0.520	8.1	100	0.00
53	TMP	Styrene	0.855	0.824	3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.349	3.2	100	0.00
55	TMP	Bromoform	0.295	0.323	-9.5	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.265	4.5	100	0.00
59	TMP	Bromobenzene	0.857	0.839	2.1	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	1.866	4.1	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.480#	-1.5	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.351#	3.8	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.279	8.6	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.504	6.4	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.000	2.6	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	1.995	-0.2	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.495	1.4	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.503	-0.4	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.505	1.9	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.438	2.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.446	0.4	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.093	-10.7	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.085	-12.4	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.614	-2.3	100	0.00
75	TMP	Naphthalene	1.920	2.344	-22.1#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.993	-15.5	100	0.00

(#) = Out of Range SPCC's out = 5 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	52882	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49700	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28223	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	16908	10.240	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3372	10.286	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 102.90%			
35) Toluene-d8	6.11	98	51904	10.541	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 105.40%			
57) 4-Bromofluorobenzene	8.51	95	17256	9.917	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.20%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	1557	No Calib		
4) Dichlorodifluoromethane	1.11	85	876785	227.218	ppb	97
5) Chloromethane	1.25	50	593427	224.496	ppb	90
6] Vinyl chloride	1.32	62	621251	211.703	ppb	95
7) Bromomethane	1.57	94	522857	208.798	ppb	97
8] Chloroethane	1.65	64	306533	211.473	ppb	96
9) Trichlorofluoromethane	1.83	101	1629459	233.523	ppb	95
10) 2-Propanol	2.32	45	1557	No Calib	#	
11) Acetone	2.32	58	145963	1056.569	ppb	99
12] 1,1-Dichloroethene	2.26	96	498749	214.250	ppb	87
13) Hexane	3.16	57	276745	226.994	ppb	98
14) Methylene chloride	2.68	84	269930	211.120	ppb	94
15) t-Butyl alcohol (TBA)	2.81	59	131901	1202.884	ppb	98
16] Methyl t-butyl ether (...	2.93	73	620167	212.410	ppb	96
17] trans-1,2-Dichloroethene	2.92	96	323107	214.906	ppb	91
18) Diisopropyl ether (DIPE)	3.35	45	566858	222.740	ppb	97
19] 1,1-Dichloroethane	3.27	63	376878	218.033	ppb	96
20) Ethyl t-butyl ether (E...	3.65	87	315802	211.037	ppb	97
21) 2,2-Dichloropropane	3.76	77	266022	199.852	ppb	95
22] cis-1,2-Dichloroethene	3.77	96	336777	210.990	ppb	94
23) Chloroform	4.04	83	493979	217.424	ppb	97
24) 2-Butanone (MEK)	3.78	43	526141	1116.887	ppb	99
25) t-Amyl methyl ether (T...	4.60	73	599887	219.736	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	308742	206.731	ppb	97
27] 1,1,1-Trichloroethane	4.19	97	520946	225.676	ppb	96
28) 1,1-Dichloropropene	4.33	75	341802	220.370	ppb	99
29) Carbon tetrachloride	4.33	117	586428	212.939	ppb	98
31] Benzene	4.50	78	971008	216.936	ppb	98
32] Trichloroethene	5.05	95	359907	217.040	ppb	94
33) 1,2-Dichloropropane	5.24	63	207017	226.419	ppb	99
34) Bromodichloromethane	5.48	83	376251	212.418	ppb	99
36) Dibromomethane	5.34	93	205485	226.641	ppb	99

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

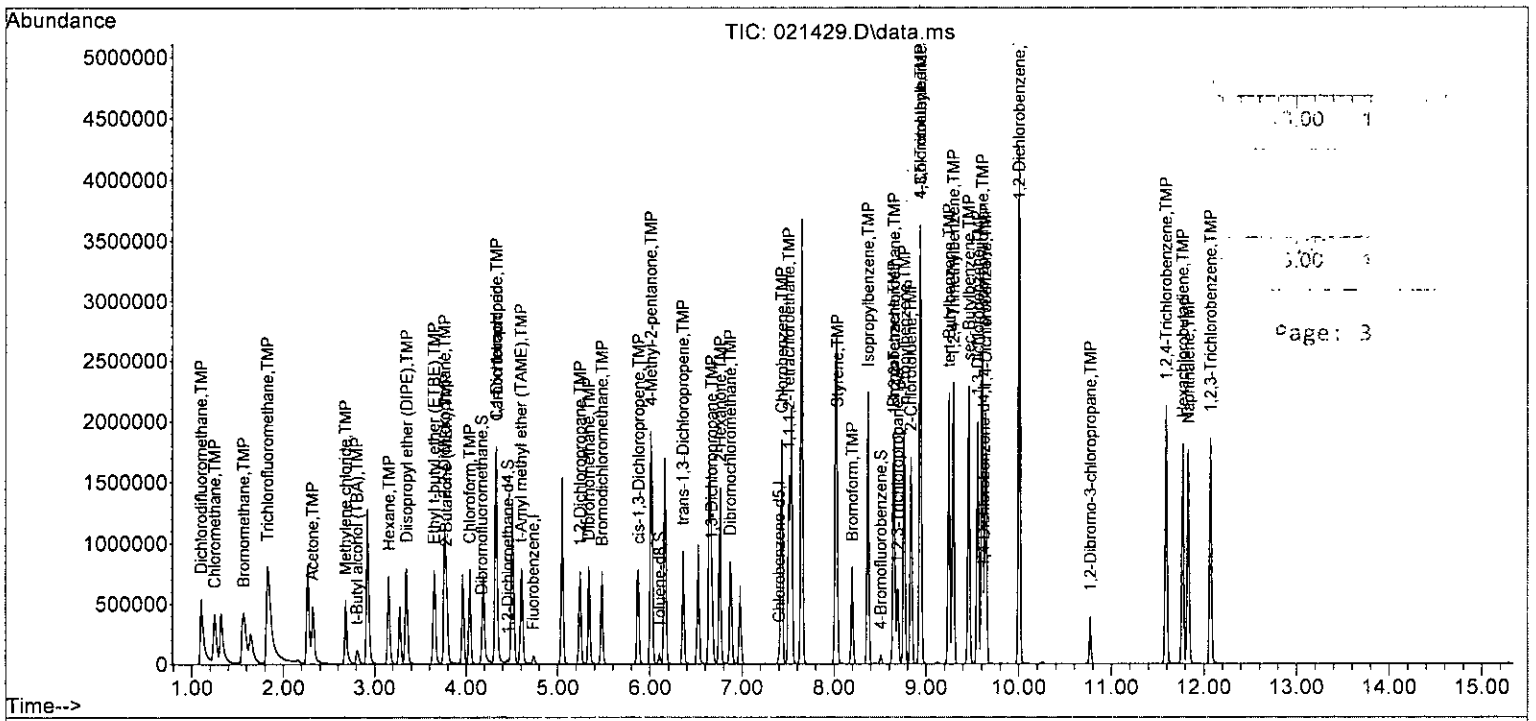
Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

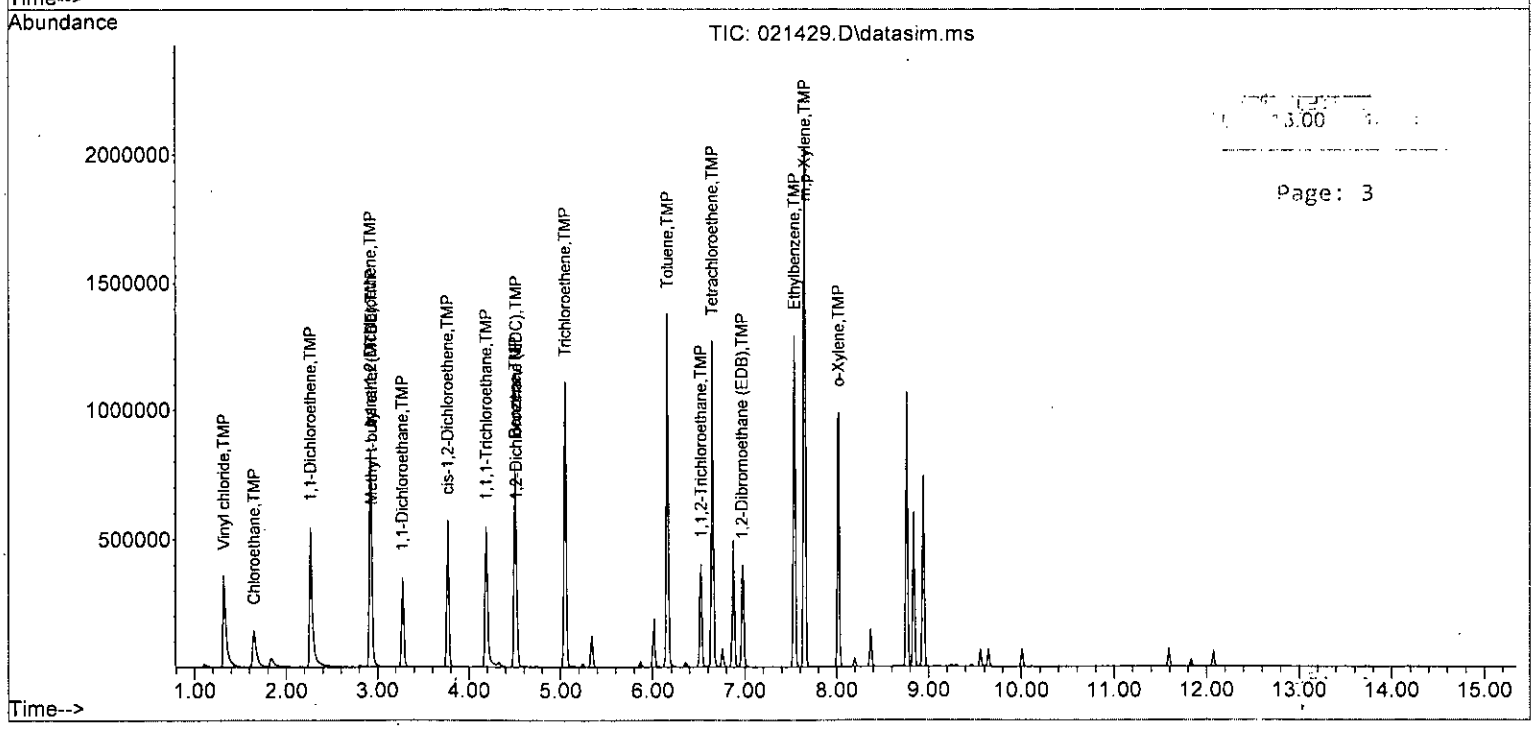
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	269630	1186.592	ppb	98
38) cis-1,3-Dichloropropene	5.88	75	409715	201.924	ppb	93
40] Toluene	6.16	92	740229	210.871	ppb	98
41) trans-1,3-Dichloropropene	6.36	75	375798	239.040	ppb	100
42] 1,1,2-Trichloroethane	6.53	83	213780	212.039	ppb	97
43) 2-Hexanone	6.76	43	781091	1088.649	ppb	97
44) 1,3-Dichloropropane	6.67	76	346393	205.074	ppb	93
45] Tetrachloroethene	6.65	164	439934	206.031	ppb	99
46) Dibromochloromethane	6.87	129	498089	229.282	ppb	98
47] 1,2-Dibromoethane (EDB)	6.97	107	344313	209.357	ppb	100
48) Chlorobenzene	7.43	112	1033251	214.993	ppb	98
49] Ethylbenzene	7.54	91	1286267	202.894	ppb	99
50) 1,1,1,2-Tetrachloroethane	7.51	131	443851	228.462	ppb	98
51] m,p-Xylene	7.65	106	1120262	400.971	ppb	99
52] o-Xylene	8.02	106	549011	202.532	ppb	98
53) Styrene	8.03	104	880911	207.373	ppb	93
54) Isopropylbenzene	8.37	105	1435752	207.422	ppb	99
55) Bromoform	8.20	173	357743	244.412	ppb	94
58) n-Propylbenzene	8.77	91	1397785	208.897	ppb	97
59) Bromobenzene	8.65	156	516816	213.681	ppb	100
60) 1,3,5-Trimethylbenzene	8.94	105	1140153	207.586	ppb	98
61) 1,1,2,2-Tetrachloroethane	8.65	83	290008	211.378	ppb	98
62) 1,2,3-Trichloropropane	8.69	75	219443	213.114	ppb	97
63) 2-Chlorotoluene	8.84	91	792216	210.263	ppb	99
64) 4-Chlorotoluene	8.94	91	922737	203.634	ppb	95
65) tert-Butylbenzene	9.25	119	1219142	210.307	ppb	96
66) 1,2,4-Trimethylbenzene	9.30	105	1231261	219.153	ppb	99
67) sec-Butylbenzene	9.46	105	1536242	215.028	ppb	98
68) p-Isopropyltoluene	9.61	119	1548527	220.008	ppb	98
69) 1,3-Dichlorobenzene	9.56	146	931698	215.133	ppb	99
70) 1,4-Dichlorobenzene	9.64	146	885859	212.921	ppb	98
71) 1,2-Dichlorobenzene	10.00	146	895719	218.516	ppb	99
72) 1,2-Dibromo-3-chloropr...	10.77	75	59449	249.378	ppb	92
73) 1,2,4-Trichlorobenzene	11.59	180	692320	254.324	ppb	99
74) Hexachlorobutadiene	11.77	225	383570	226.523	ppb	97
75) Naphthalene	11.83	128	1493553	201.557	ppb	98
76) 1,2,3-Trichlorobenzene	12.07	180	627094	202.209	ppb	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.240	-2.4	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	227.218	-13.6	100	0.00
5	TMP	Chloromethane	200.000	224.496	-12.2	100	0.00
6	TMP	Vinyl chloride	200.000	211.703	-5.9	100	-0.01
7	TMP	Bromomethane	200.000	208.798	-4.4	100	0.00
8	TMP	Chloroethane	200.000	211.473	-5.7	100	-0.01
9	TMP	Trichlorofluoromethane	200.000	233.523	-16.8	100	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-0.02
11	TMP	Acetone	1000.000	1056.569	-5.7	100	-0.01
12	TMP	1,1-Dichloroethene	200.000	214.250	-7.1	100	-0.01
13	TMP	Hexane	200.000	226.994	-13.5	100	0.00
14	TMP	Methylene chloride	200.000	211.120	-5.6	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	1000.000	1202.884	-20.3#	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	200.000	212.410	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	200.000	214.906	-7.5	100	0.00
18	TMP	Diisopropyl ether (DIPE)	200.000	222.740	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	200.000	218.033	-9.0	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	211.037	-5.5	100	-0.01
21	TMP	2,2-Dichloropropane	200.000	199.852	0.1	100	0.00
22	TMP	cis-1,2-Dichloroethene	200.000	210.990	-5.5	100	0.00
23	TMP	Chloroform	200.000	217.424	-8.7	100	0.00
24	TMP	2-Butanone (MEK)	1000.000	1116.887	-11.7	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	200.000	219.736	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	200.000	206.731	-3.4	100	0.00
27	TMP	1,1,1-Trichloroethane	200.000	225.676	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	200.000	220.370	-10.2	100	0.00
29	TMP	Carbon tetrachloride	200.000	212.939	-6.5	100	0.00
30	S	1,2-Dichloroethane-d4	10.000	10.286	-2.9	100	0.00
31	TMP	Benzene	200.000	216.936	-8.5	100	0.00
32	TMP	Trichloroethene	200.000	217.040	-8.5	100	0.00
33	TMP	1,2-Dichloropropane	200.000	226.419	-13.2	100	0.00
34	TMP	Bromodichloromethane	200.000	212.418	-6.2	100	0.00
35	S	Toluene-d8	10.000	10.541	-5.4	100	0.00
36	TMP	Dibromomethane	200.000	226.641	-13.3	100	0.00
37	TMP	4-Methyl-2-pentanone	1000.000	1186.592	-18.7	100	0.00
38	TMP	cis-1,3-Dichloropropene	200.000	201.924	-1.0	100	0.00
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	210.871	-5.4	100	0.00
41	TMP	trans-1,3-Dichloropropene	200.000	239.040	-19.5	100	0.00
42	TMP	1,1,2-Trichloroethane	200.000	212.039	-6.0	100	0.00
43	TMP	2-Hexanone	1000.000	1088.649	-8.9	100	0.00

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	205.074	-2.5	100	0.00
45	TMP	Tetrachloroethene	200.000	206.031	-3.0	100	0.00
46	TMP	Dibromochloromethane	200.000	229.282	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	200.000	209.357	-4.7	100	0.00
48	TMP	Chlorobenzene	200.000	214.993	-7.5	100	0.00
49	TMP	Ethylbenzene	200.000	202.894	-1.4	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	200.000	228.462	-14.2	100	0.00
51	TMP	m,p-Xylene	400.000	400.971	-0.2	100	0.00
52	TMP	o-Xylene	200.000	202.532	-1.3	100	0.00
53	TMP	Styrene	200.000	207.373	-3.7	100	0.00
54	TMP	Isopropylbenzene	200.000	207.422	-3.7	100	0.00
55	TMP	Bromoform	200.000	244.412	-22.2#	100	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.917	0.8	100	0.00
58	TMP	n-Propylbenzene	200.000	208.897	-4.4	100	0.00
59	TMP	Bromobenzene	200.000	213.681	-6.8	100	0.00
60	TMP	1,3,5-Trimethylbenzene	200.000	207.586	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	200.000	211.378	-5.7	100	0.00
62	TMP	1,2,3-Trichloropropane	200.000	213.114	-6.6	100	0.00
63	TMP	2-Chlorotoluene	200.000	210.263	-5.1	100	0.00
64	TMP	4-Chlorotoluene	200.000	203.634	-1.8	100	0.00
65	TMP	tert-Butylbenzene	200.000	210.307	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	200.000	219.153	-9.6	100	0.00
67	TMP	sec-Butylbenzene	200.000	215.028	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	200.000	220.008	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	200.000	215.133	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	200.000	212.921	-6.5	100	0.00
71	TMP	1,2-Dichlorobenzene	200.000	218.516	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	200.000	249.378	-24.7#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	200.000	254.324	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	200.000	226.523	-13.3	100	0.00
75	TMP	Naphthalene	200.000	201.557	-0.8	100	0.00
76	TMP	1,2,3-Trichlorobenzene	200.000	202.209	-1.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.320	-2.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.829	-13.6	100	0.00
5	TMP	Chloromethane	0.500	0.561	-12.2	100	0.00
6	TMP	Vinyl chloride	0.532	0.587	-10.3	100	-0.01
7	TMP	Bromomethane	0.491	0.494	-0.6	100	0.00
8	TMP	Chloroethane	0.247	0.290	-17.4	100	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.541	-16.8	100	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	100	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.472	-7.3	100	-0.01
13	TMP	Hexane	0.231	0.262	-13.4	100	0.00
14	TMP	Methylene chloride	0.235	0.255	-8.5	100	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.025#	-19.0	100	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.586	-6.2	100	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.305	-7.4	100	0.00
18	TMP	Diisopropyl ether (DIPE)	0.481	0.536	-11.4	100	0.00
19	TMP	1,1-Dichloroethane	0.327	0.356	-8.9	100	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.299	-15.9	100	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.252	-7.2	100	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.318	-5.3	100	0.00
23	TMP	Chloroform	0.430	0.467	-8.6	100	0.00
24	TMP	2-Butanone (MEK)	0.089	0.099	-11.2	100	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.567	-9.9	100	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.292	3.0	100	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.493	-12.8	100	0.00
28	TMP	1,1-Dichloropropene	0.293	0.323	-10.2	100	0.00
29	TMP	Carbon tetrachloride	0.463	0.554	-19.7	100	0.00
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	100	0.00
31	TMP	Benzene	0.876	0.918	-4.8	100	0.00
32	TMP	Trichloroethene	0.338	0.340	-0.6	100	0.00
33	TMP	1,2-Dichloropropane	0.173	0.196	-13.3	100	0.00
34	TMP	Bromodichloromethane	0.300	0.356	-18.7	100	0.00
35	S	Toluene-d8	0.931	0.982	-5.5	100	0.00
36	TMP	Dibromomethane	0.171	0.194	-13.5	100	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.051	-18.6	100	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.387	-25.2#	100	0.00
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.764	0.745	2.5	100	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.378	-19.6	100	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.215	-5.9	100	0.00
43	TMP	2-Hexanone	0.144	0.157	-9.0	100	0.00

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021429.D
Acq On : 14 Feb 2023 09:53 pm
Operator : lm
Sample : 200 ppb 8260 CCV 68-127U
Misc : Soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 10:49:18 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.348	-2.4	100	0.00
45	TMP	Tetrachloroethene	0.452	0.443	2.0	100	0.00
46	TMP	Dibromochloromethane	0.437	0.501	-14.6	100	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.346	-4.5	100	0.00
48	TMP	Chlorobenzene	0.967	1.039	-7.4	100	0.00
49	TMP	Ethylbenzene	1.331	1.294	2.8	100	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.447	-14.3	100	0.00
51	TMP	m,p-Xylene	0.590	0.564	4.4	100	0.00
52	TMP	o-Xylene	0.566	0.552	2.5	100	0.00
53	TMP	Styrene	0.855	0.886	-3.6	100	0.00
54	TMP	Isopropylbenzene	1.393	1.444	-3.7	100	0.00
55	TMP	Bromoform	0.295	0.360	-22.0#	100	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.617	0.611	1.0	100	0.00
58	TMP	n-Propylbenzene	2.371	2.476	-4.4	100	0.00
59	TMP	Bromobenzene	0.857	0.916	-6.9	100	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.020	-3.8	100	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.514	-8.7	100	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.389#	-6.6	100	0.00
63	TMP	2-Chlorotoluene	1.399	1.403	-0.3	100	0.00
64	TMP	4-Chlorotoluene	1.606	1.635	-1.8	100	0.00
65	TMP	tert-Butylbenzene	2.054	2.160	-5.2	100	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.181	-9.5	100	0.00
67	TMP	sec-Butylbenzene	2.531	2.722	-7.5	100	0.00
68	TMP	p-Isopropyltoluene	2.494	2.743	-10.0	100	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.651	-7.6	100	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.569	-6.4	100	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.587	-9.3	100	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.105	-25.0#	100	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.227	-27.2#	100	0.00
74	TMP	Hexachlorobutadiene	0.600	0.680	-13.3	100	0.00
75	TMP	Naphthalene	1.920	2.646	-37.8#	100	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	1.111	-29.2#	100	0.00

(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	60557	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	55535	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	32100	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.16	113	19279	10.196	ppb		-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.00%				
30) 1,2-Dichloroethane-d4	4.45	102	3692	9.834	ppb		0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.30%				
35) Toluene-d8	6.11	98	58054	10.296	ppb		0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.00%				
57) 4-Bromofluorobenzene	8.51	95	19398	9.801	ppb		0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.00%				
Target Compounds							Qvalue
2) Ethanol	2.32	45	163	No Calib			
4) Dichlorodifluoromethane	1.10	85	52224	11.819	ppb		98
5) Chloromethane	1.24	50	32604	10.771	ppb		90
6] Vinyl chloride	1.31	62	34531	10.282	ppb		94
7) Bromomethane	1.55	94	32255	10.917	ppb		89
8] Chloroethane	1.64	64	16468	10.038	ppb		99
9) Trichlorofluoromethane	1.83	101	74294	9.298	ppb		94
10) 2-Propanol	2.32	45	163	No Calib	#		
11) Acetone	2.32	58	8542	62.741	ppb		97
12] 1,1-Dichloroethene	2.26	96	27963	10.490	ppb		95
13) Hexane	3.15	57	14195	10.168	ppb		99
14) Methylene chloride	2.68	84	14787	10.355	ppb		97
15) t-Butyl alcohol (TBA)	2.81	59	6369	50.721	ppb		94
16] Methyl t-butyl ether (...	2.92	73	34890	10.435	ppb		100
17] trans-1,2-Dichloroethene	2.91	96	17487	10.157	ppb		100
18) Diisopropyl ether (DIPE)	3.34	45	31177	10.698	ppb		98
19] 1,1-Dichloroethane	3.27	63	21688	10.957	ppb		90
20) Ethyl t-butyl ether (E...	3.65	87	16569	9.774	ppb		93
21) 2,2-Dichloropropane	3.76	77	14767	9.768	ppb		99
22] cis-1,2-Dichloroethene	3.76	96	19743	10.801	ppb		95
23) Chloroform	4.03	83	26443	10.164	ppb		97
24) 2-Butanone (MEK)	3.78	43	30608	56.740	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	33077	10.580	ppb		94
26] 1,2-Dichloroethane (EDC)	4.52	62	18085	10.556	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	27831	10.528	ppb		93
28) 1,1-Dichloropropene	4.32	75	19187	10.803	ppb		95
29) Carbon tetrachloride	4.32	117	29639	9.531	ppb		98
31] Benzene	4.49	78	54536	10.635	ppb		94
32] Trichloroethene	5.04	95	20551	10.811	ppb	#	79
33) 1,2-Dichloropropane	5.23	63	10680	10.201	ppb		99
34) Bromodichloromethane	5.48	83	18909	9.387	ppb		99
36) Dibromomethane	5.34	93	10844	10.445	ppb		93

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

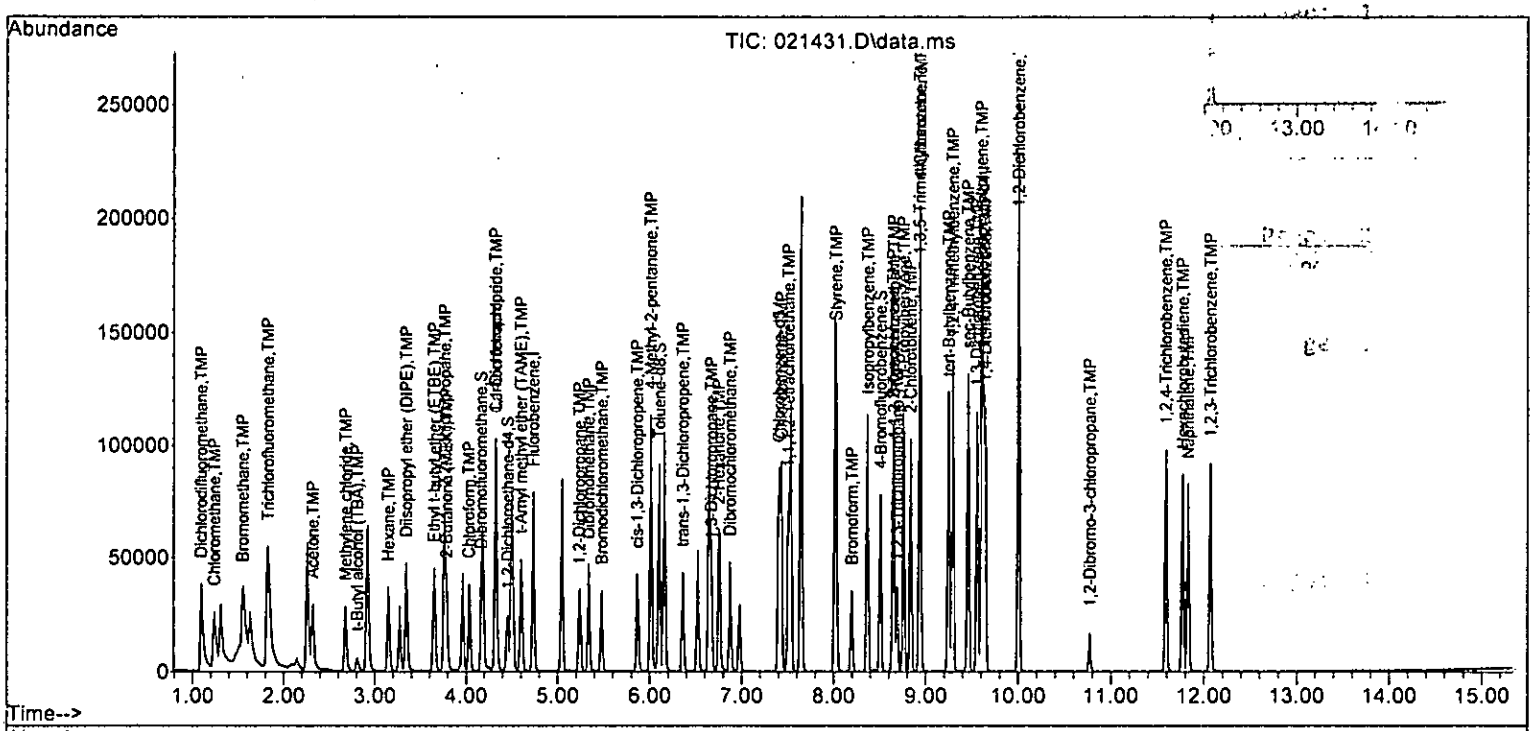
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	14076	54.095	ppb		96
38) cis-1,3-Dichloropropene	5.86	75	19188	10.360	ppb		91
40] Toluene	6.16	92	40182	10.232	ppb		98
41) trans-1,3-Dichloropropene	6.36	75	17765	10.113	ppb		98
42] 1,1,2-Trichloroethane	6.51	83	11297	10.028	ppb	#	72
43) 2-Hexanone	6.75	43	40889	51.001	ppb		97
44) 1,3-Dichloropropane	6.67	76	18750	9.934	ppb		98
45] Tetrachloroethene	6.65	164	23900	10.009	ppb		98
46) Dibromochloromethane	6.87	129	24216	9.976	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	19127	10.408	ppb		98
48) Chlorobenzene	7.43	112	54558	10.159	ppb		98
49] Ethylbenzene	7.53	91	73721	10.401	ppb		90
50) 1,1,1,2-Tetrachloroethane	7.51	131	22672	10.444	ppb		99
51] m,p-Xylene	7.64	106	65989	21.123	ppb		81
52] o-Xylene	8.01	106	32296	10.657	ppb		79
53) Styrene	8.03	104	49427	10.413	ppb		99
54) Isopropylbenzene	8.37	105	77150	9.975	ppb		99
55) Bromoform	8.20	173	16364	10.005	ppb		95
58) n-Propylbenzene	8.76	91	78654	10.335	ppb		100
59) Bromobenzene	8.65	156	28429	10.335	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	64720	10.360	ppb		98
61) 1,1,2,2-Tetrachloroethane	8.65	83	15227	9.790	ppb		97
62) 1,2,3-Trichloropropane	8.69	75	11842	10.111	ppb		98
63) 2-Chlorotoluene	8.84	91	46410	10.774	ppb		100
64) 4-Chlorotoluene	8.94	91	54139	10.505	ppb		99
65) tert-Butylbenzene	9.25	119	67965	10.308	ppb		95
66) 1,2,4-Trimethylbenzene	9.29	105	67431	10.552	ppb		97
67) sec-Butylbenzene	9.46	105	83954	10.332	ppb		99
68) p-Isopropyltoluene	9.60	119	84143	10.511	ppb		98
69) 1,3-Dichlorobenzene	9.55	146	50409	10.234	ppb		100
70) 1,4-Dichlorobenzene	9.64	146	49517	10.464	ppb		97
71) 1,2-Dichlorobenzene	10.01	146	46883	10.056	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	2650	9.774	ppb		93
73) 1,2,4-Trichlorobenzene	11.59	180	32656	10.547	ppb		98
74) Hexachlorobutadiene	11.77	225	19109	9.922	ppb		98
75) Naphthalene	11.83	128	67016	11.581	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	28889	11.007	ppb		94

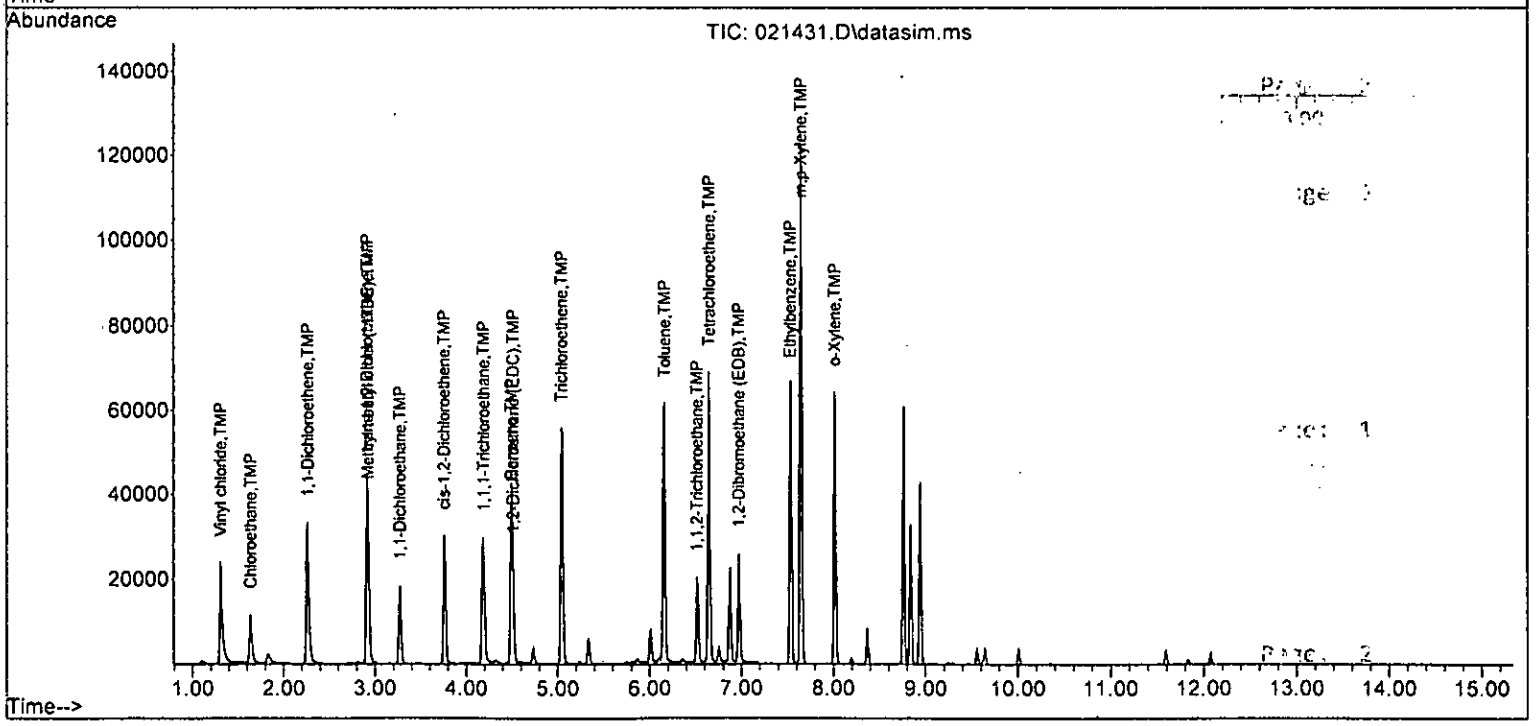
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	91	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	10.196	-2.0	98	-0.01
4	TMP	Dichlorodifluoromethane	10.000	11.819	-18.2	112	-0.01
5	TMP	Chloromethane	10.000	10.771	-7.7	111	-0.01
6	TMP	Vinyl chloride	10.000	10.282	-2.8	106	-0.02
7	TMP	Bromomethane	10.000	10.917	-9.2	108	-0.02
8	TMP	Chloroethane	10.000	10.038	-0.4	102	-0.02
9	TMP	Trichlorofluoromethane	10.000	9.298	7.0	90	-0.01
10	TMP	2-Propanol	-1.000	0.000	0.0	220	-0.02
11	TMP	Acetone	50.000	62.741	-25.5#	120	-0.01
12	TMP	1,1-Dichloroethene	10.000	10.490	-4.9	101	-0.01
13	TMP	Hexane	10.000	10.168	-1.7	100	-0.01
14	TMP	Methylene chloride	10.000	10.355	-3.6	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	50.721	-1.4	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.435	-4.4	103	-0.01
17	TMP	trans-1,2-Dichloroethene	10.000	10.157	-1.6	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	10.698	-7.0	103	-0.01
19	TMP	1,1-Dichloroethane	10.000	10.957	-9.6	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.774	2.3	102	-0.01
21	TMP	2,2-Dichloropropane	10.000	9.768	2.3	106	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.801	-8.0	106	-0.01
23	TMP	Chloroform	10.000	10.164	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	50.000	56.740	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.580	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	10.556	-5.6	103	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.528	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	10.000	10.803	-8.0	109	-0.01
29	TMP	Carbon tetrachloride	10.000	9.531	4.7	103	-0.01
30	S	1,2-Dichloroethane-d4	10.000	9.834	1.7	88	0.00
31	TMP	Benzene	10.000	10.635	-6.3	104	-0.01
32	TMP	Trichloroethene	10.000	10.811	-8.1	102	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.201	-2.0	98	-0.01
34	TMP	Bromodichloromethane	10.000	9.387	6.1	101	0.00
35	S	Toluene-d8	10.000	10.296	-3.0	101	0.00
36	TMP	Dibromomethane	10.000	10.445	-4.5	102	0.00
37	TMP	4-Methyl-2-pentanone	50.000	54.095	-8.2	105	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.360	-3.6	104	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	99	0.00
40	TMP	Toluene	10.000	10.232	-2.3	103	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.113	-1.1	106	0.00
42	TMP	1,1,2-Trichloroethane	10.000	10.028	-0.3	102	-0.01
43	TMP	2-Hexanone	50.000	51.001	-2.0	105	-0.01

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.934	0.7	105	0.00
45	TMP	Tetrachloroethene	10.000	10.009	-0.1	101	0.00
46	TMP	Dibromochloromethane	10.000	9.976	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	10.408	-4.1	108	0.00
48	TMP	Chlorobenzene	10.000	10.159	-1.6	102	0.00
49	TMP	Ethylbenzene	10.000	10.401	-4.0	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	10.444	-4.4	106	0.00
51	TMP	m,p-Xylene	20.000	21.123	-5.6	104	0.00
52	TMP	o-Xylene	10.000	10.657	-6.6	106	0.00
53	TMP	Styrene	10.000	10.413	-4.1	105	0.00
54	TMP	Isopropylbenzene	10.000	9.975	0.3	102	0.00
55	TMP	Bromoform	10.000	10.005	-0.1	106	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	10.000	9.801	2.0	98	0.00
58	TMP	n-Propylbenzene	10.000	10.335	-3.4	104	0.00
59	TMP	Bromobenzene	10.000	10.335	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.360	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	9.790	2.1	104	0.00
62	TMP	1,2,3-Trichloropropane	10.000	10.111	-1.1	104	0.00
63	TMP	2-Chlorotoluene	10.000	10.774	-7.7	104	0.00
64	TMP	4-Chlorotoluene	10.000	10.505	-5.1	107	0.00
65	TMP	tert-Butylbenzene	10.000	10.308	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.552	-5.5	106	0.00
67	TMP	sec-Butylbenzene	10.000	10.332	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	10.000	10.511	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	10.000	10.234	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.464	-4.6	107	0.00
71	TMP	1,2-Dichlorobenzene	10.000	10.056	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	9.774	2.3	111	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.547	-5.5	114	0.00
74	TMP	Hexachlorobutadiene	10.000	9.922	0.8	103	0.00
75	TMP	Naphthalene	10.000	11.581	-15.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	11.007	-10.1	109	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	91	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.312	0.318	-1.9	98	-0.01
4	TMP	Dichlorodifluoromethane	0.730	0.862	-18.1	112	-0.01
5	TMP	Chloromethane	0.500	0.538	-7.6	111	-0.01
6	TMP	Vinyl chloride	0.532	0.570	-7.1	106	-0.02
7	TMP	Bromomethane	0.491	0.533	-8.6	108	-0.02
8	TMP	Chloroethane	0.247	0.272	-10.1	102	-0.02
9	TMP	Trichlorofluoromethane	1.319	1.227	7.0	90	-0.01
10	TMP	2-Propanol	0.000	0.000	0.0	220#	-0.02
11	TMP	Acetone	0.025	0.028	-12.0	120	-0.01
12	TMP	1,1-Dichloroethene	0.440	0.462	-5.0	101	-0.01
13	TMP	Hexane	0.231	0.234	-1.3	100	-0.01
14	TMP	Methylene chloride	0.235	0.244	-3.8	99	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	102	-0.01
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.576	-4.3	103	-0.01
17	TMP	trans-1,2-Dichloroethene	0.284	0.289	-1.8	101	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.515	-7.1	103	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.358	-9.5	107	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.274	-6.2	102	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.244	-3.8	106	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.326	-7.9	106	-0.01
23	TMP	Chloroform	0.430	0.437	-1.6	99	-0.01
24	TMP	2-Butanone (MEK)	0.089	0.101	-13.5	108	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.546	-5.8	104	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.299	0.7	103	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.460	-5.3	104	0.00
28	TMP	1,1-Dichloropropene	0.293	0.317	-8.2	109	-0.01
29	TMP	Carbon tetrachloride	0.463	0.489	-5.6	103	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.061	1.6	88	0.00
31	TMP	Benzene	0.876	0.901	-2.9	104	-0.01
32	TMP	Trichloroethene	0.338	0.339	-0.3	102	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.176	-1.7	98	-0.01
34	TMP	Bromodichloromethane	0.300	0.312	-4.0	101	0.00
35	S	Toluene-d8	0.931	0.959	-3.0	101	0.00
36	TMP	Dibromomethane	0.171	0.179	-4.7	102	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.046	-7.0	105	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.317	-2.6	104	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
40	TMP	Toluene	0.764	0.724	5.2	103	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.320	-1.3	106	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.203	0.0	102	-0.01
43	TMP	2-Hexanone	0.144	0.147	-2.1	105	-0.01

Evaluate Continuing Calibration Report

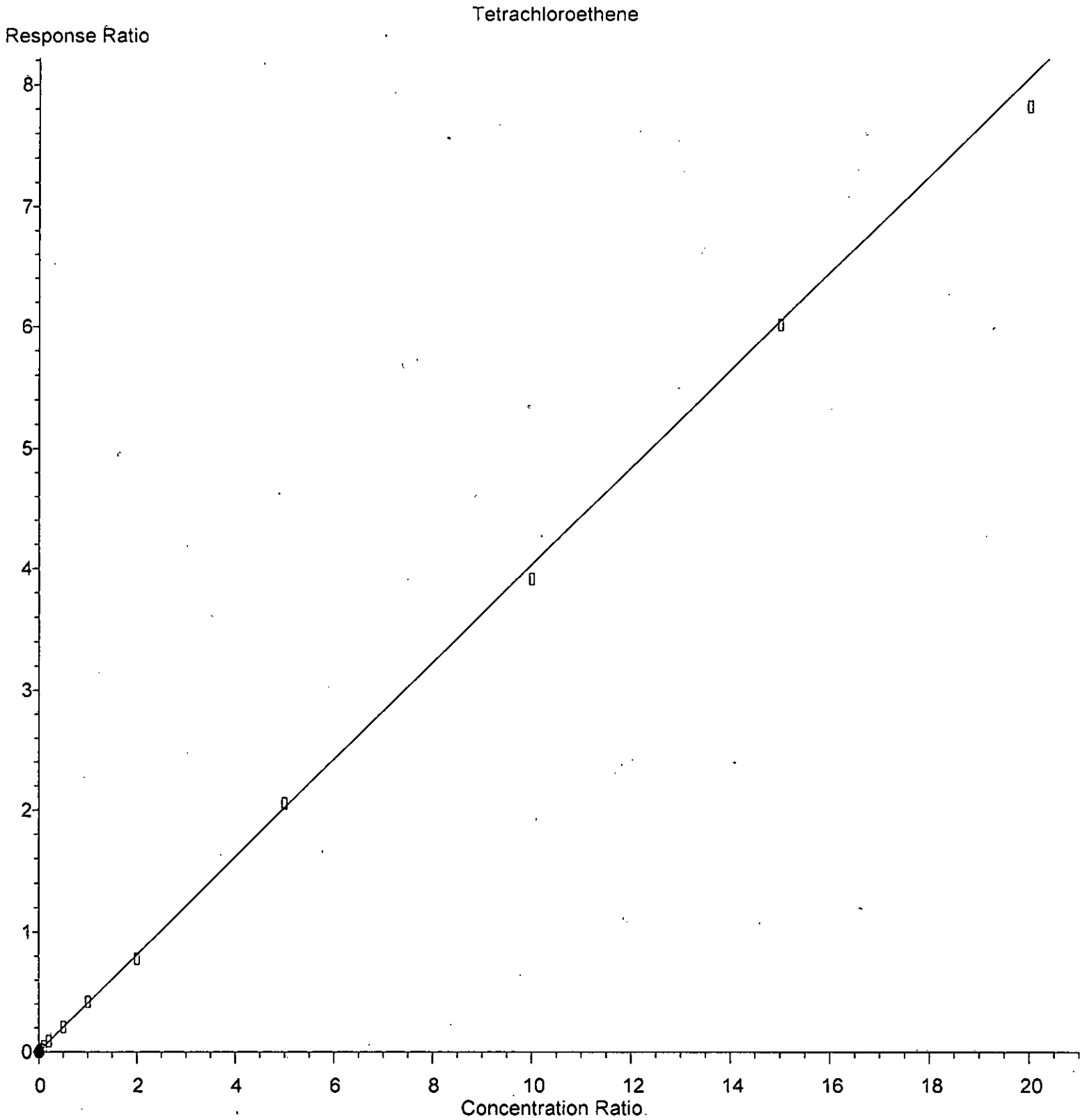
Data Path : U:\GCMS13\GCMS13_Data\02-14-23\
Data File : 021431.D
Acq On : 14 Feb 2023 10:39 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-134A
Misc : Soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Feb 15 11:12:11 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.338	0.6	105	0.00
45	TMP	Tetrachloroethene	0.452	0.430	4.9	101	0.00
46	TMP	Dibromochloromethane	0.437	0.436	0.2	105	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.344	-3.9	108	0.00
48	TMP	Chlorobenzene	0.967	0.982	-1.6	102	0.00
49	TMP	Ethylbenzene	1.331	1.327	0.3	104	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.408	-4.3	106	0.00
51	TMP	m,p-Xylene	0.590	0.594	-0.7	104	0.00
52	TMP	o-Xylene	0.566	0.582	-2.8	106	0.00
53	TMP	Styrene	0.855	0.890	-4.1	105	0.00
54	TMP	Isopropylbenzene	1.393	1.389	0.3	102	0.00
55	TMP	Bromoform	0.295	0.295	0.0	106	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
57	S	4-Bromofluorobenzene	0.617	0.604	2.1	98	0.00
58	TMP	n-Propylbenzene	2.371	2.450	-3.3	104	0.00
59	TMP	Bromobenzene	0.857	0.886	-3.4	107	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.016	-3.6	104	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.474#	-0.2	104	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.369#	-1.1	104	0.00
63	TMP	2-Chlorotoluene	1.399	1.446	-3.4	104	0.00
64	TMP	4-Chlorotoluene	1.606	1.687	-5.0	107	0.00
65	TMP	tert-Butylbenzene	2.054	2.117	-3.1	104	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.101	-5.5	106	0.00
67	TMP	sec-Butylbenzene	2.531	2.615	-3.3	103	0.00
68	TMP	p-Isopropyltoluene	2.494	2.621	-5.1	104	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.570	-2.3	105	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.543	-4.7	107	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.461	-0.6	103	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.083	1.2	111	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	1.017	-5.4	114	0.00
74	TMP	Hexachlorobutadiene	0.600	0.595	0.8	103	0.00
75	TMP	Naphthalene	1.920	2.088	-8.8	120	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.900	-4.7	109	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0



Response = 4.032e-001 * Amt + 2.692e-003
Coef of Det (r^2) = 0.999018 Curve Fit: wlr(1/a^2)
Method Name: Y:\Methods\Inst13\VB030823ms13.M
Calibration Table Last Updated: Thu Mar 09 09:54:04 2023

Calibration Status Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB030823ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Mar 09 09:54:04 2023
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	0.02	0	10	Y:\Proc_GCMS13\03-08-23\030818.D
2	0.04	0	10	Y:\Proc_GCMS13\03-08-23\030819.D
3	0.1	0	10	Y:\Proc_GCMS13\03-08-23\030820.D
4	0.2	0	10	Y:\Proc_GCMS13\03-08-23\030821.D
5	0.5	1	10	Y:\Proc_GCMS13\03-08-23\030822.D
6	1	1	10	Y:\Proc_GCMS13\03-08-23\030823.D
7	2	2	10	Y:\Proc_GCMS13\03-08-23\030824.D
8	5	5	10	Y:\Proc_GCMS13\03-08-23\030825.D
9	10	10	10	Y:\Proc_GCMS13\03-08-23\030826.D
10	20	20	10	Y:\Proc_GCMS13\03-08-23\030827.D
11	50	50	10	Y:\Proc_GCMS13\03-08-23\030828.D
12	100	100	10	Y:\Proc_GCMS13\03-08-23\030829.D
13	150	150	10	Y:\Proc_GCMS13\03-08-23\030830.D
14	200	200	10	Y:\Proc_GCMS13\03-08-23\030831.D

#	ID	Update Time	Quant Time	Acquisition Time
1	0.02	Mar 09 09:49 2023	Mar 09 09:42 2023	08 Mar 2023 12:14 pm
2	0.04	Mar 09 09:49 2023	Mar 09 09:43 2023	08 Mar 2023 12:37 pm
3	0.1	Mar 09 09:49 2023	Mar 09 09:43 2023	08 Mar 2023 01:00 pm
4	0.2	Mar 09 09:49 2023	Mar 09 09:44 2023	08 Mar 2023 01:24 pm
5	0.5	Mar 09 09:49 2023	Mar 09 09:44 2023	08 Mar 2023 01:47 pm
6	1	Mar 09 09:49 2023	Mar 09 09:44 2023	08 Mar 2023 02:10 pm
7	2	Mar 09 09:49 2023	Mar 09 09:45 2023	08 Mar 2023 02:33 pm
8	5	Mar 09 09:49 2023	Mar 09 09:45 2023	08 Mar 2023 02:57 pm
9	10	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 03:20 pm
10	20	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 03:43 pm
11	50	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 04:07 pm
12	100	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 04:30 pm
13	150	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 04:53 pm
14	200	Mar 09 09:49 2023	Mar 09 09:40 2023	08 Mar 2023 05:17 pm

VB030823ms13.M Thu Mar 09 10:50:32 2023

Compound List Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB030823ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Mar 09 09:54:04 2023
Response Via : Initial Calibration

Total Cpnds : 76

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Fluorobenzene	96	4.73	1.000	A	1	A	B
2	T	Ethanol	45	2.34	0.495	A	1	A	B
3	S	Dibromofluoromethane	113	4.17	0.882	A	0	A	B
4	T	Dichlorodifluoromethane	85	1.11	0.234	A	1	A	B
5	T	Chloromethane	50	1.25	0.264	A	1	A	B
6	T	Vinyl chloride	-62	1.34	0.283	L	1	A	B
7	T	Bromomethane	94	1.58	0.334	L	1	A	B
8	T	Chloroethane	-64	1.64	0.346	L	1	A	B
9	T	Trichlorofluoromethane	101	1.83	0.386	A	1	A	B
10	T	2-Propanol	45	2.34	0.495	A	1	A	B
11	T	Acetone	58	2.32	0.490	Q	1	A	B
12	T	1,1-Dichloroethene	-96	2.26	0.478	A	2	A	B
13	T	Hexane	57	3.16	0.667	A	2	A	B
14	T	Methylene chloride	84	2.68	0.567	L	2	A	B
15	T	t-Butyl alcohol (TBA)	59	2.82	0.595	A	1	A	B
16	T	Methyl t-butyl ether (MTBE)	-73	2.92	0.618	A	1	A	B
17	T	trans-1,2-Dichloroethene	-96	2.91	0.616	A	2	A	B
18	T	Diisopropyl ether (DIPE)	45	3.34	0.706	A	3	A	B
19	T	1,1-Dichloroethane	-63	3.27	0.692	A	2	A	B
20	T	Ethyl t-butyl ether (ETBE)	87	3.65	0.771	L	3	A	B
21	T	2,2-Dichloropropane	77	3.76	0.795	L	1	A	B
22	T	cis-1,2-Dichloroethene	-96	3.77	0.796	A	2	A	B
23	T	Chloroform	83	4.04	0.853	A	1	A	B
24	T	2-Butanone (MEK)	43	3.78	0.799	A	2	A	B
25	T	t-Amyl methyl ether (TAME)	73	4.60	0.972	A	2	A	B
26	T	1,2-Dichloroethane (EDC)	-62	4.51	0.954	L	1	A	B
27	T	1,1,1-Trichloroethane	-97	4.19	0.885	A	2	A	B
28	T	1,1-Dichloropropene	75	4.32	0.913	A	2	A	B
29	T	Carbon tetrachloride	117	4.32	0.913	L	1	A	B
30	S	1,2-Dichloroethane-d4	102	4.45	0.941	A	1	A	B
31	T	Benzene	-78	4.50	0.951	L	1	A	B
32	T	Trichloroethene	-95	5.04	1.065	L	3	A	B
33	T	1,2-Dichloropropane	63	5.24	1.108	A	1	A	B
34	T	Bromodichloromethane	83	5.48	1.158	L	2	A	B
35	S	Toluene-d8	98	6.11	1.290	A	1	A	B
36	T	Dibromomethane	93	5.34	1.127	A	2	A	B
37	T	4-Methyl-2-pentanone	85	6.01	1.270	A	2	A	B
38	T	cis-1,3-Dichloropropene	75	5.86	1.238	L	2	A	B
39	I	Chlorobenzene-d5	117	7.41	1.000	A	1	A	B
40	T	Toluene	-92	6.16	0.832	L	1	A	B
41	T	trans-1,3-Dichloropropene	75	6.36	0.859	A	2	A	B
42	T	1,1,2-Trichloroethane	-83	6.51	0.880	A	2	A	B
43	T	2-Hexanone	43	6.76	0.913	A	3	A	B
44	T	1,3-Dichloropropane	76	6.67	0.901	A	1	A	B
45	T	Tetrachloroethene	-164	6.65	0.898	L	3	A	B
46	T	Dibromochloromethane	129	6.87	0.928	A	1	A	B
47	T	1,2-Dibromoethane (EDB)	-107	6.97	0.941	L	2	A	B
48	T	Chlorobenzene	112	7.43	1.003	A	2	A	B
49	T	Ethylbenzene	-91	7.54	1.018	L	1	A	B
50	T	1,1,1,2-Tetrachloroethane	131	7.51	1.014	A	2	A	B
51	T	m,p-Xylene	-106	7.65	1.033	L	1	A	B
52	T	o-Xylene	-106	8.02	1.083	L	1	A	B
53	T	Styrene	104	8.03	1.084	A	1	A	B
54	T	Isopropylbenzene	105	8.37	1.130	A	1	A	B
55	T	Bromoform	173	8.20	1.107	A	2	A	B

56	I	1,4-Dichlorobenzene-d4	152	9.62	1.000	A	2	A	B
57	S	4-Bromofluorobenzene	95	8.51	0.884	A	2	A	B
58	T	n-Propylbenzene	91	8.76	0.910	A	1	A	B
59	T	Bromobenzene	156	8.65	0.898	A	2	A	B
60	T	1,3,5-Trimethylbenzene	105	8.93	0.928	A	1	A	B
61	T	1,1,2,2-Tetrachloroethane	83	8.65	0.899	A	2	A	B
62	T	1,2,3-Trichloropropane	75	8.69	0.903	A	3	A	B
63	T	2-Chlorotoluene	91	8.84	0.918	A	1	A	B
64	T	4-Chlorotoluene	91	8.94	0.929	A	1	A	B
65	T	tert-Butylbenzene	119	9.25	0.961	A	2	A	B
66	T	1,2,4-Trimethylbenzene	105	9.29	0.965	A	1	A	B
67	T	sec-Butylbenzene	105	9.46	0.983	A	1	A	B
68	T	p-Isopropyltoluene	119	9.60	0.998	A	2	A	B
69	T	1,3-Dichlorobenzene	146	9.55	0.993	A	2	A	B
70	T	1,4-Dichlorobenzene	146	9.64	1.002	A	2	A	B
71	T	1,2-Dichlorobenzene	146	10.01	1.040	A	2	A	B
72	T	1,2-Dibromo-3-chloropropane	75	10.77	1.119	L	2	A	B
73	T	1,2,4-Trichlorobenzene	180	11.59	1.204	A	2	A	B
74	T	Hexachlorobutadiene	225	11.77	1.223	A	2	A	B
75	T	Naphthalene	128	11.83	1.230	Q	2	A	B
76	T	1,2,3-Trichlorobenzene	180	12.07	1.254	Q	2	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

VB030823ms13.M Thu Mar 09 10:50:37 2023

Response Factor Report GCMS13

Method Path : Y:\Methods\Inst13\
Method File : VB030823ms13.M
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Thu Mar 09 09:54:04 2023
Response Via : Initial Calibration

Calibration Files
0.02=030818.D 0.04=030819.D 0.1 =030820.D 0.2 =030821.D 0.5 =030822.D 1 =030823.D 2 =030824.D 5 =030825.D 10 =030826.D 20 =03
50 =030828.D 100 =030829.D 150 =030830.D 200 =030831.D

		Compound	0.02	0.04	0.1	0.2	0.5	1	2	5	10	20	50	100	150	200	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------													
2)	TMP	Ethanol															0.000#	-1.00
3)	S	Dibromofluorom...	0.330	0.321	0.320	0.314	0.321	0.314	0.320	0.328	0.317	0.327	0.324	0.327	0.322	0.326	0.322	1.49
4)	TMP	Dichlorodifluo...					0.652	0.631	0.706	0.683	0.641	0.650	0.710	0.702	0.731	0.721	0.683	5.30
5)	TMP	Chloromethane						0.474	0.463	0.405	0.396	0.363	0.401	0.399	0.405	0.407	0.413	8.37
6)	TMP	Vinyl chloride		0.922	0.573	0.510	0.424	0.392	0.390	0.414	0.419	0.393	0.419	0.413	0.427	0.424	0.471	30.84
7)	TMP	Bromomethane						0.446	0.466	0.444	0.391	0.326	0.352	0.353	0.360	0.356	0.388	13.15
8)	TMP	Chloroethane				0.339	0.243	0.231	0.206	0.197	0.188	0.180	0.193	0.193	0.197	0.198	0.215	20.95
9)	TMP	Trichlorofluor...				1.097	0.980	0.980	0.955	1.054	0.996	1.024	0.393	0.409	0.351	1.167	0.855	36.07
10)	TMP	2-Propanol															0.000	-1.00
11)	TMP	Acetone					0.016	0.016	0.020	0.019	0.019	0.018	0.019	0.020	0.020	0.020	0.019	9.29
12)	TMP	1,1-Dichloroet...		0.454	0.337	0.333	0.541	0.419	0.330	0.323	0.338	0.317	0.341	0.339	0.338	0.334	0.365	18.16
13)	TMP	Hexane					0.219	0.229	0.239	0.223	0.230	0.218	0.233	0.234	0.237	0.232	0.229	3.17
14)	TMP	Methylene chlo...							0.342	0.262	0.242	0.229	0.233	0.235	0.229	0.230	0.250	15.43
15)	TMP	t-Butyl alcoho...						0.020	0.022	0.021	0.022	0.019	0.022	0.020	0.022	0.022	0.021#	4.88
16)	TMP	Methyl t-butyl...		0.969	0.722	0.674	0.588	0.575	0.605	0.596	0.602	0.565	0.609	0.600	0.588	0.587	0.637	17.03
17)	TMP	trans-1,2-Dich...		0.477	0.301	0.311	0.288	0.278	0.291	0.282	0.290	0.271	0.290	0.289	0.282	0.280	0.302	17.73
18)	TMP	Diisopropyl et...				0.587	0.520	0.489	0.508	0.502	0.508	0.463	0.503	0.488	0.481	0.477	0.502	6.49
19)	TMP	1,1-Dichloroet...		0.496	0.403	0.366	0.325	0.325	0.347	0.344	0.339	0.318	0.342	0.334	0.326	0.325	0.353	13.74
20)	TMP	Ethyl t-butyl ...				0.333	0.287	0.290	0.293	0.291	0.283	0.275	0.300	0.299	0.290	0.297	0.294	4.97
21)	TMP	2,2-Dichloropr...				0.326	0.257	0.281	0.255	0.254	0.243	0.245	0.260	0.208	0.238	0.253	0.256	11.37
22)	TMP	cis-1,2-Dichlo...		0.524	0.383	0.338	0.297	0.296	0.373	0.333	0.319	0.287	0.310	0.303	0.296	0.295	0.335	19.22
23)	TMP	Chloroform				0.655	0.467	0.442	0.460	0.434	0.431	0.404	0.433	0.429	0.427	0.428	0.455	14.97
24)	TMP	2-Butanone (MEK)					0.088	0.079	0.081	0.080	0.091	0.084	0.089	0.083	0.085	0.084	0.084	4.91
25)	TMP	t-Amyl methyl ...				0.754	0.562	0.561	0.549	0.539	0.550	0.515	0.551	0.542	0.542	0.545	0.564	11.35
26)	TMP	1,2-Dichloroet...		0.658	0.408	0.356	0.286	0.284	0.295	0.284	0.279	0.260	0.271	0.264	0.261	0.261	0.320	34.38
27)	TMP	1,1,1-Trichlor...		0.723	0.557	0.512	0.456	0.458	0.481	0.470	0.471	0.444	0.474	0.467	0.466	0.464	0.496	14.96
28)	TMP	1,1-Dichloropr...				0.328	0.271	0.277	0.326	0.308	0.300	0.287	0.304	0.299	0.299	0.298	0.300	5.85
29)	TMP	Carbon tetrach...				0.621	0.501	0.481	0.506	0.489	0.503	0.467	0.508	0.514	0.509	0.509	0.510	7.75
30)	S	1,2-Dichloroet...	0.064	0.067	0.067	0.059	0.066	0.062	0.062	0.064	0.059	0.064	0.065	0.062	0.061	0.064	0.064	4.22
31)	TMP	Benzene	2.238	1.502	1.099	0.996	0.888	0.879	0.914	0.895	0.891	0.836	0.877	0.859	0.854	0.852	1.041	37.03
32)	TMP	Trichloroethene		1.020	0.418	0.376	0.360	0.324	0.341	0.325	0.336	0.293	0.324	0.303	0.320	0.313	0.389	49.51
33)	TMP	1,2-Dichloropr...				0.220	0.180	0.191	0.190	0.171	0.181	0.165	0.175	0.176	0.177	0.178	0.182	7.99
34)	TMP	Bromodichlorom...	0.950	0.426	0.450	0.402	0.319	0.300	0.336	0.311	0.314	0.303	0.321	0.321	0.329	0.331	0.387	43.71
35)	S	Toluene-d8	0.976	0.937	0.933	0.910	0.948	0.948	0.927	0.944	0.963	0.949	0.968	0.984	0.968	0.986	0.953	2.35
36)	TMP	Dibromomethane				0.241	0.140	0.179	0.188	0.173	0.178	0.166	0.178	0.176	0.177	0.178	0.179	13.30
37)	TMP	4-Methyl-2-pen...					0.039	0.036	0.038	0.040	0.040	0.038	0.042	0.041	0.042	0.042	0.040	5.10
38)	TMP	cis-1,3-Dichlo...	0.995	0.515	0.344	0.348	0.354	0.321	0.322	0.319	0.334	0.311	0.341	0.343	0.352	0.357	0.397	45.15
39)	I	Chlorobenzene-d5	----------	ISTD	----------													
40)	TMP	Toluene	2.405	1.515	1.041	0.870	0.713	0.722	0.723	0.688	0.708	0.663	0.707	0.667	0.688	0.670	0.913	53.40
41)	TMP	trans-1,3-Dich...				0.367	0.351	0.309	0.321	0.318	0.313	0.307	0.328	0.321	0.344	0.333	0.328	5.77
42)	TMP	1,1,2-Trichlor...				0.247	0.205	0.203	0.205	0.192	0.199	0.186	0.195	0.185	0.193	0.186	0.200	8.66
43)	TMP	2-Hexanone					0.132	0.126	0.114	0.120	0.129	0.111	0.118	0.112	0.120	0.111	0.119	6.50
44)	TMP	1,3-Dichloropr...				0.376	0.339	0.326	0.346	0.326	0.337	0.313	0.326	0.309	0.320	0.309	0.330	5.95
45)	TMP	Tetrachloroethene		1.073	0.676	0.548	0.438	0.427	0.437	0.411	0.418	0.390	0.411	0.392	0.401	0.391	0.491	38.80
46)	TMP	Dibromochlorom...				0.596	0.422	0.421	0.443	0.421	0.448	0.409	0.452	0.435	0.457	0.451	0.450	11.26
47)	TMP	1,2-Dibromoeth...		0.652	0.475	0.385	0.320	0.321	0.329	0.312	0.331	0.300	0.320	0.300	0.313	0.303	0.358	27.97
48)	TMP	Chlorobenzene				1.103	1.000	0.940	0.988	0.944	0.969	0.907	0.969	0.930	0.963	0.938	0.968	5.37
49)	TMP	Ethylbenzene	4.099	2.679	1.827	1.540	1.287	1.298	1.307	1.241	1.286	1.193	1.251	1.176	1.202	1.155	1.610	51.07
50)	TMP	1,1,1,2-Tetrac...				0.462	0.392	0.401	0.396	0.399	0.414	0.394	0.420	0.405	0.422	0.415	0.411	4.88
51)	TMP	m,p-Xylene	1.872	1.224	0.816	0.690	0.575	0.581	0.587	0.554	0.573	0.527	0.544	0.511	0.521	0.502	0.720	53.08
52)	TMP	o-Xylene	1.881	1.244	0.836	0.702	0.575	0.585	0.594	0.559	0.567	0.530	0.548	0.516	0.526	0.510	0.727	53.01
53)	TMP	Styrene				1.067	0.908	0.854	0.890	0.828	0.871	0.810	0.847	0.800	0.825	0.795	0.863	8.88
54)	TMP	Isopropylbenzene				1.722	1.447	1.447	1.457	1.385	1.403	1.314	1.387	1.326	1.359	1.327	1.416	8.02
55)	TMP	Bromoform				0.308	0.250	0.301	0.295	0.284	0.280	0.275	0.301	0.289	0.309	0.304	0.290	6.01
56)	I	1,4-Dichlorobenzen...	----------	ISTD	----------													
57)	S	4-Bromofluorob...	0.608	0.595	0.606	0.611	0.605	0.603	0.608	0.599	0.602	0.585	0.610	0.602	0.598	0.613	0.603	1.22
58)	TMP	n-Propylbenzene				2.948	2.408	2.393	2.326	2.271	2.320	2.145	2.319	2.221	2.262	2.196	2.346	9.16
59)	TMP	Bromobenzene				0.924	0.865	0.847	0.871	0.839	0.836	0.761	0.842	0.822	0.847	0.841	0.845	4.60
60)	TMP	1,3,5-Trimethy...				2.307	1.963	1.987	2.070	1.918	1.948	1.793	1.948	1.847	1.903	1.860	1.958	7.03
61)	TMP	1,1,2,2-Tetrac...				0.538	0.501	0.494	0.506	0.483	0.449	0.446	0.462	0.465	0.450	0.452	0.477#	6.26
62)	TMP	1,2,3-Trichlor...				0.281	0.330	0.351	0.371	0.353	0.349	0.309	0.338	0.315	0.334	0.325	0.332#	7.44
63)	TMP	2-Chlorotoluene				1.916	1.402	1.433	1.495	1.401	1.386	1.269	1.364	1.278	1.295	1.270	1.410	13.01
64)	TMP	4-Chlorotoluene				2.202	1.540	1.665	1.668	1.573	1.597	1.441	1.557	1.485	1.523	1.496	1.613	12.86
65)	TMP	tert-Butylbenzene				2.341	1.991	2.068	2.104	2.000	2.016	1.888	2.078	2.009	2.024	2.022	2.049	5.47
66)	TMP	1,2,4-Trimethy...				2.675	2.077	2.021	2.121	1.986	2.004	1.854	2.054	1.967	2.012	2.001	2.070	10.23
67)	TMP	sec-Butylbenzene				3.001	2.523	2.516	2.554	2.476	2.519	2.349	2.575	2.483	2.544	2.505	2.550	6.31
68)	TMP	p-Isopropyltol...				2.970	2.548	2.526	2.547	2.430	2.538	2.352	2.598	2.519	2.598	2.546	2.561	5.98
69)	TMP	1,3-Dichlorobe...				1.835	1.461	1.561	1.589	1.488	1.490	1.383	1.516	1.466	1.526	1.503	1.529	7.52
70)	TMP	1,4-Dichlorobe...				1.740	1.547	1.544	1.621	1.492	1.496	1.388	1.529	1.465	1.519	1.500	1.531	5.87
71)	TMP	1,2-Dichlorobe...				2.009	1.447	1.470	1.529	1.453	1.424	1.358	1.492	1.421	1.469	1.457	1.503	11.55
72)	TMP	1,2-Dibromo-3-...				0.039	0.052	0.098	0.098	0.084	0.086	0.080	0.090	0.087	0.095	0.096	0.082	23.40
73)	TMP	1,2,4-Trichlor...				1.276	0.981	1.012	1.036	0.973	1.016	0.971	1.110	1.100	1.178	1.190	1.076	9.53
74)	TMP	Hexachlorobuta...				0.692	0.592	0.619	0.637	0.612	0.609	0.572	0.630	0.622	0.657	0.654	0.627	5.25
75)	TMP	Naphthalene			3.063	2.652	2.025	2.128	2.214	2.108	2.197	2.124	2.456	2.420	2.618	2.640	2.387	13.01
76)	TMP	1,2,3-Trichlor...				1.159	0.974	0.967	0.957	0.924	0.949	0.904	1.037	1.008	1.077	1.090	1.004	7.83

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	56296	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	53425	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31992	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18552	10.227	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.30%			
30) 1,2-Dichloroethane-d4	4.45	102	3616	10.114	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.10%			
35) Toluene-d8	6.10	98	54929	10.239	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 102.40%			
57) 4-Bromofluorobenzene	8.51	95	19447	10.079	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.80%			

Target Compounds			Qvalue
2) Ethanol	0.00	0	N.D.
4) Dichlorodifluoromethane	0.00	0	N.D. d
5) Chloromethane	0.00	0	N.D. d
6) Vinyl chloride	0.00	0	N.D. d
7) Bromomethane	0.00	0	N.D. d
8) Chloroethane	0.00	0	N.D. d
9) Trichlorofluoromethane	0.00	0	N.D. d
10) 2-Propanol	0.00	0	N.D.
11) Acetone	0.00	0	N.D.
12) 1,1-Dichloroethene	0.00	0	N.D. d
13) Hexane	0.00	0	N.D.
14) Methylene chloride	0.00	0	N.D. d
15) t-Butyl alcohol (TBA)	0.00	0	N.D.
16) Methyl t-butyl ether (...	0.00	0	N.D. d
17) trans-1,2-Dichloroethene	0.00	0	N.D. d
18) Diisopropyl ether (DIPE)	0.00	0	N.D. d
19) 1,1-Dichloroethane	0.00	0	N.D. d
20) Ethyl t-butyl ether (E...	0.00	0	N.D. d
21) 2,2-Dichloropropane	0.00	0	N.D. d
22) cis-1,2-Dichloroethene	0.00	0	N.D. d
23) Chloroform	0.00	0	N.D. d
24) 2-Butanone (MEK)	0.00	0	N.D. d
25) t-Amyl methyl ether (T...	0.00	0	N.D. d
26) 1,2-Dichloroethane (EDC)	0.00	0	N.D. d
27) 1,1,1-Trichloroethane	0.00	0	N.D. d
28) 1,1-Dichloropropene	0.00	0	N.D.
29) Carbon tetrachloride	0.00	0	N.D. d
31) Benzene	0.00	0	N.D. d
32) Trichloroethene	0.00	0	N.D. d
33) 1,2-Dichloropropane	0.00	0	N.D.
34) Bromodichloromethane	0.00	0	N.D. d
36) Dibromomethane	0.00	0	N.D.

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

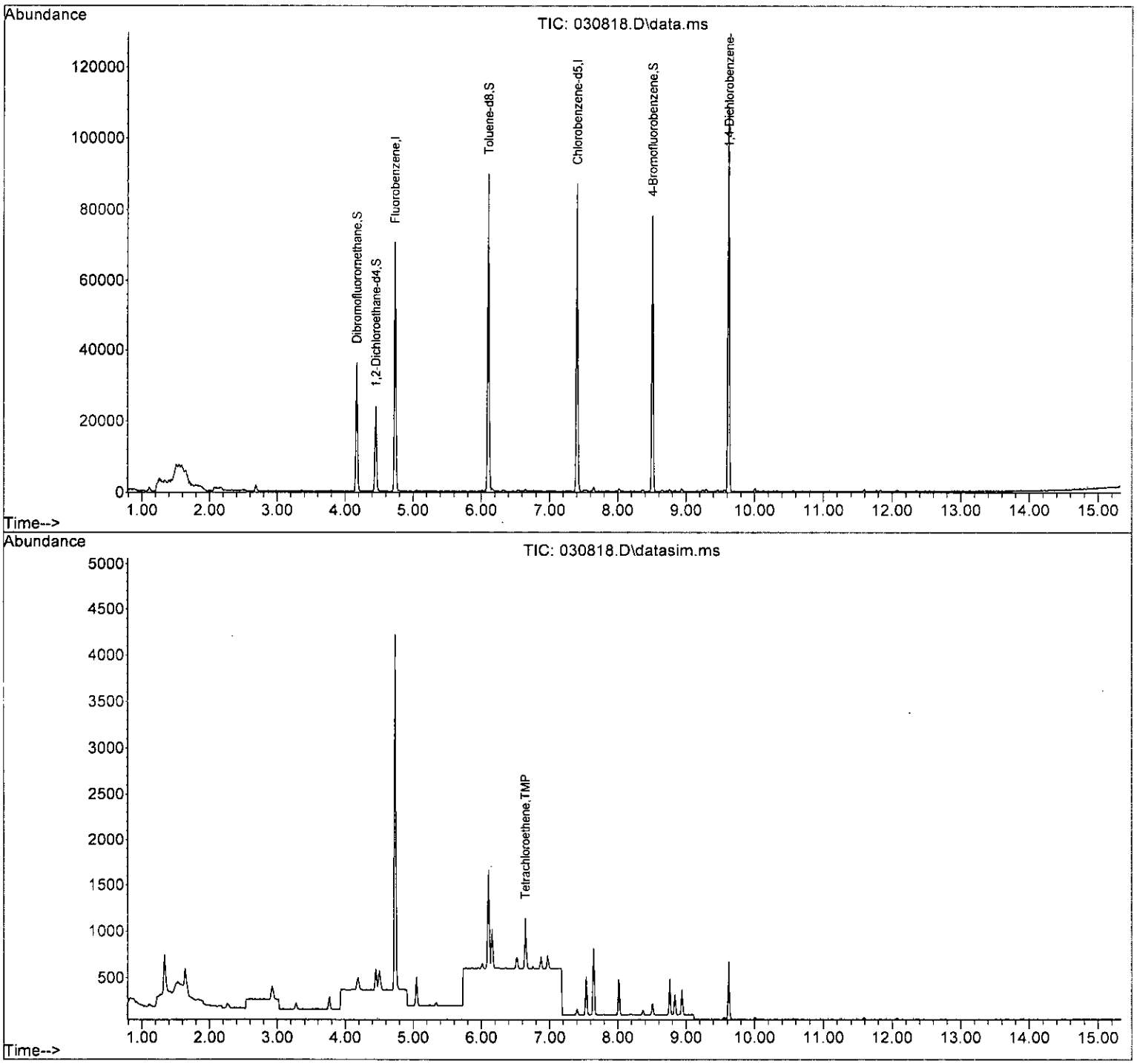
Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	194	0.023	ppb	95
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.227	-2.3	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.020	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.64#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.32#
12	TMP	1,1-Dichloroethene	0.020	0.000	100.0#	0	-2.26#
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.020	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	-1.000	0.000	0.0	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.34#
19	TMP	1,1-Dichloroethane	-1.000	0.000	0.0	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.65#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.020	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	-1.000	0.000	0.0	0	-4.51#
27	TMP	1,1,1-Trichloroethane	0.020	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.32#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.114	-1.1	100	0.00
31	TMP	Benzene	0.020	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	0.020	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.020	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.239	-2.4	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.020	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.020	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.51#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.020	0.023	-15.0	0	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	-1.000	0.000	0.0	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.020	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.040	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	0.020	0.000	100.0#	0	-8.02#
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.079	-0.8	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.330	-2.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.064	0.0	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.976	-2.4	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030818.D
Acq On : 08 Mar 2023 12:14 pm
Operator : lm
Sample : 0.02 ppb 8260 ICAL 68-161F
Misc : soil/water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:29:59 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	1.816	-267.6#	0#	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.608	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	53932	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	49837	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30488	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.16	113	17339	9.977	ppb	-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%			
30) 1,2-Dichloroethane-d4	4.45	102	3626	10.587	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 105.90%			
35) Toluene-d8	6.11	98	50543	9.835	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 98.30%			
57) 4-Bromofluorobenzene	8.51	95	18130	9.860	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 98.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

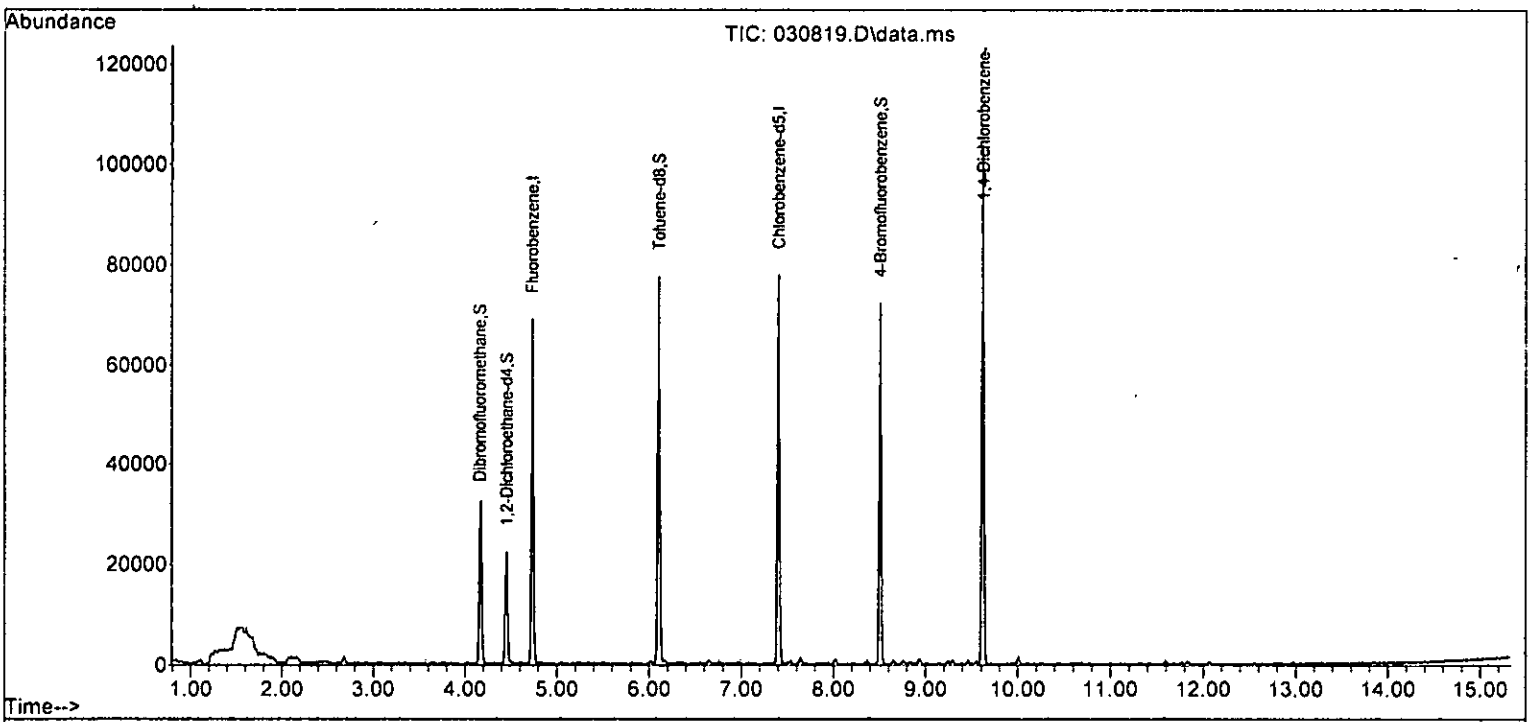
Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

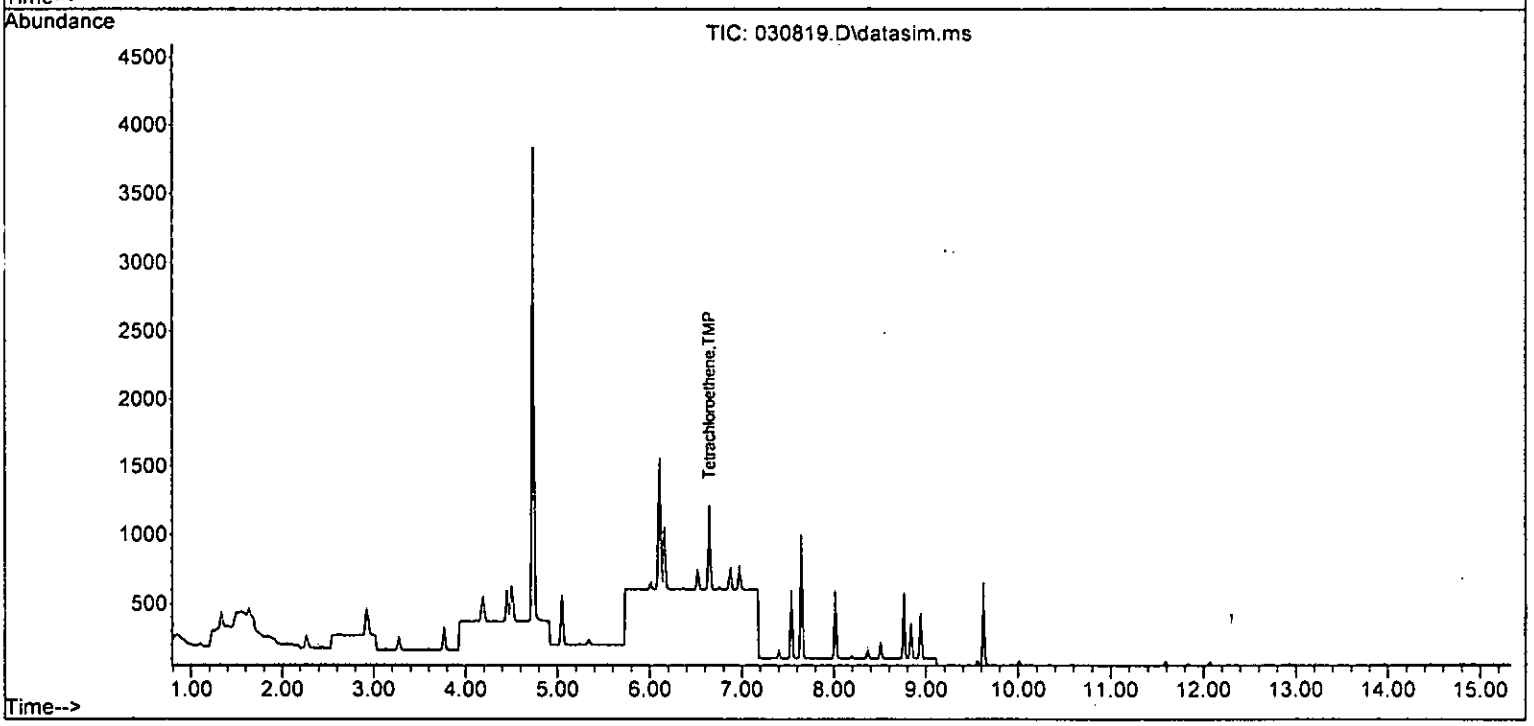
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	214	0.040	ppb	95
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.977	0.2	100	-0.01
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.040	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.64#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.32#
12	TMP	1,1-Dichloroethene	0.040	0.000	100.0#	0	-2.26#
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.040	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.040	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.34#
19	TMP	1,1-Dichloroethane	0.040	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.65#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.040	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.040	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	0.040	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.32#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.587	-5.9	100	0.00
31	TMP	Benzene	0.040	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	0.040	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.040	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.835	1.6	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.040	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.040	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.51#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.040	0.040	0.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.040	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.040	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.080	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	0.040	0.000	100.0#	0	-8.02#
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.860	1.4	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	-1.000	0.000	0.0	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.321	0.3	100	-0.01
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.067	-4.7	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.937	1.7	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030819.D
Acq On : 08 Mar 2023 12:37 pm
Operator : lm
Sample : 0.04 ppb 8260 ICAL 68-161G
Misc : soil/water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:03 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	1.073	-117.2#	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.595	1.3	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	56392	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	50134	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30069	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18058	9.937	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3784	10.566	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 105.70%			
35) Toluene-d8	6.11	98	52614	9.791	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 97.90%			
57) 4-Bromofluorobenzene	8.51	95	18209	10.041	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.40%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

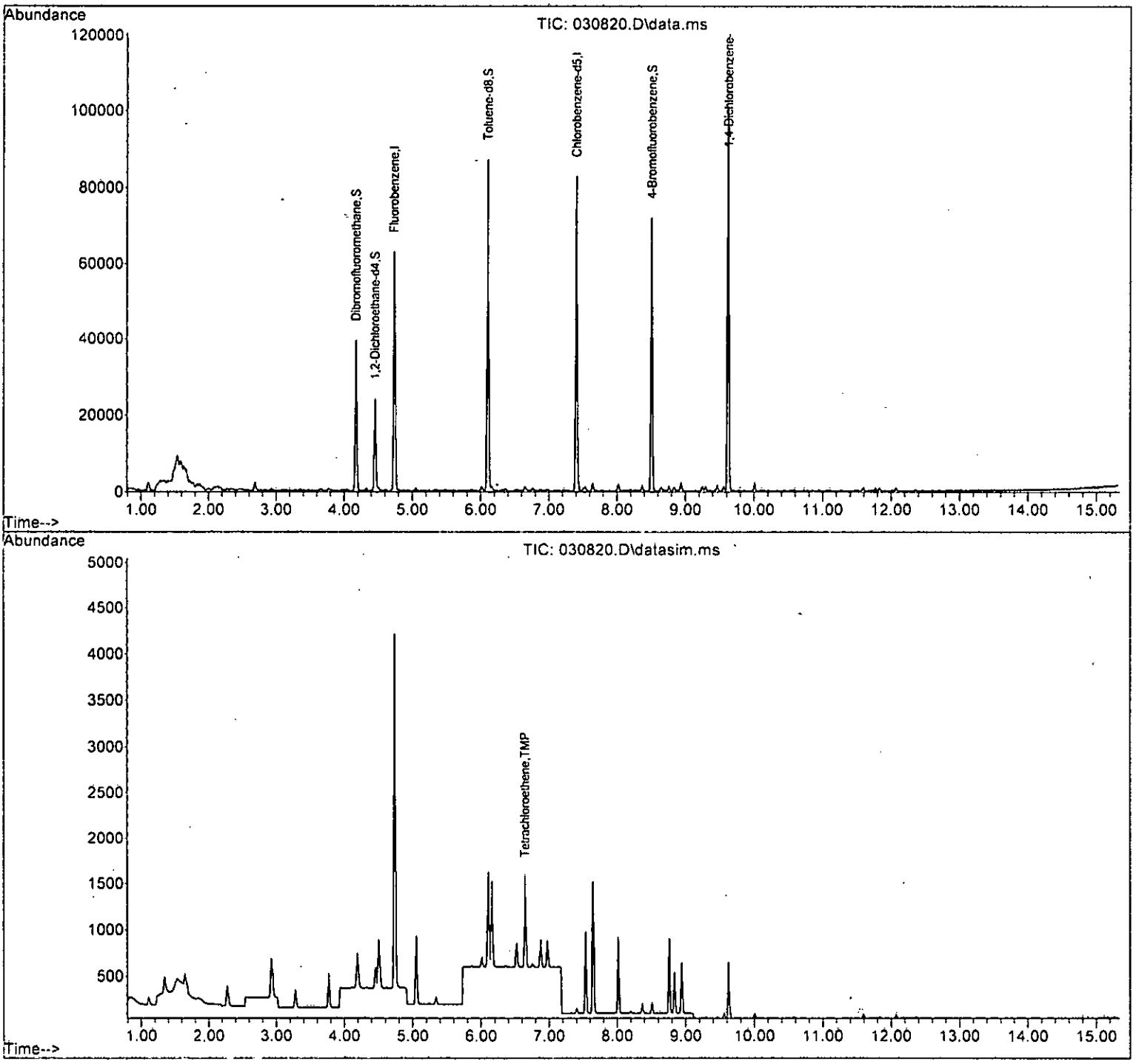
Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45) Tetrachloroethene	6.65	164	339	0.101	ppb	97
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.937	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.100	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8	TMP	Chloroethane	-1.000	0.000	0.0	0	-1.64#
9	TMP	Trichlorofluoromethane	-1.000	0.000	0.0	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.32#
12	TMP	1,1-Dichloroethene	0.100	0.000	100.0#	0	-2.26#
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.100	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.100	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	-1.000	0.000	0.0	0	-3.34#
19	TMP	1,1-Dichloroethane	0.100	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	-1.000	0.000	0.0	0	-3.65#
21	TMP	2,2-Dichloropropane	-1.000	0.000	0.0	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.100	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	-1.000	0.000	0.0	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	-1.000	0.000	0.0	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.100	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	0.100	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	-1.000	0.000	0.0	0	-4.32#
29	TMP	Carbon tetrachloride	-1.000	0.000	0.0	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.566	-5.7	100	0.00
31	TMP	Benzene	0.100	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	0.100	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	-1.000	0.000	0.0	0	-5.24#
34	TMP	Bromodichloromethane	0.100	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.791	2.1	100	0.00
36	TMP	Dibromomethane	-1.000	0.000	0.0	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.100	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.100	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	-1.000	0.000	0.0	0	-6.36#
42	TMP	1,1,2-Trichloroethane	-1.000	0.000	0.0	0	-6.51#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	-1.000	0.000	0.0	0	-6.67#
45	TMP	Tetrachloroethene	0.100	0.101	-1.0	100	0.00
46	TMP	Dibromochloromethane	-1.000	0.000	0.0	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.100	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	-1.000	0.000	0.0	0	-7.43#
49	TMP	Ethylbenzene	0.100	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	-1.000	0.000	0.0	0	-7.51#
51	TMP	m,p-Xylene	0.200	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	0.100	0.000	100.0#	0	-8.02#
53	TMP	Styrene	-1.000	0.000	0.0	0	-8.03#
54	TMP	Isopropylbenzene	-1.000	0.000	0.0	0	-8.37#
55	TMP	Bromoform	-1.000	0.000	0.0	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.041	-0.4	100	0.00
58	TMP	n-Propylbenzene	-1.000	0.000	0.0	0	-8.76#
59	TMP	Bromobenzene	-1.000	0.000	0.0	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	-1.000	0.000	0.0	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	-1.000	0.000	0.0	0	-8.65#
62	TMP	1,2,3-Trichloropropane	-1.000	0.000	0.0	0	-8.69#
63	TMP	2-Chlorotoluene	-1.000	0.000	0.0	0	-8.84#
64	TMP	4-Chlorotoluene	-1.000	0.000	0.0	0	-8.94#
65	TMP	tert-Butylbenzene	-1.000	0.000	0.0	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	-1.000	0.000	0.0	0	-9.29#
67	TMP	sec-Butylbenzene	-1.000	0.000	0.0	0	-9.46#
68	TMP	p-Isopropyltoluene	-1.000	0.000	0.0	0	-9.60#
69	TMP	1,3-Dichlorobenzene	-1.000	0.000	0.0	0	-9.55#
70	TMP	1,4-Dichlorobenzene	-1.000	0.000	0.0	0	-9.64#
71	TMP	1,2-Dichlorobenzene	-1.000	0.000	0.0	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	-1.000	0.000	0.0	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	-1.000	0.000	0.0	0	-11.59#
74	TMP	Hexachlorobutadiene	-1.000	0.000	0.0	0	-11.77#
75	TMP	Naphthalene	0.100	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	-1.000	0.000	0.0	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.320	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.067	-4.7	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.933	2.1	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030820.D
Acq On : 08 Mar 2023 01:00 pm
Operator : lm
Sample : 0.1 ppb 8260 ICAL 68-161H
Misc : soil/water
ALS Vial : 9 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:07 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.676	-36.8#	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.606	-0.5	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	57973	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	51041	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30408	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18215	9.750	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3411	9.265	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 92.60%			
35) Toluene-d8	6.10	98	52732	9.546	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 95.50%			
57) 4-Bromofluorobenzene	8.51	95	18576	10.129	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.30%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

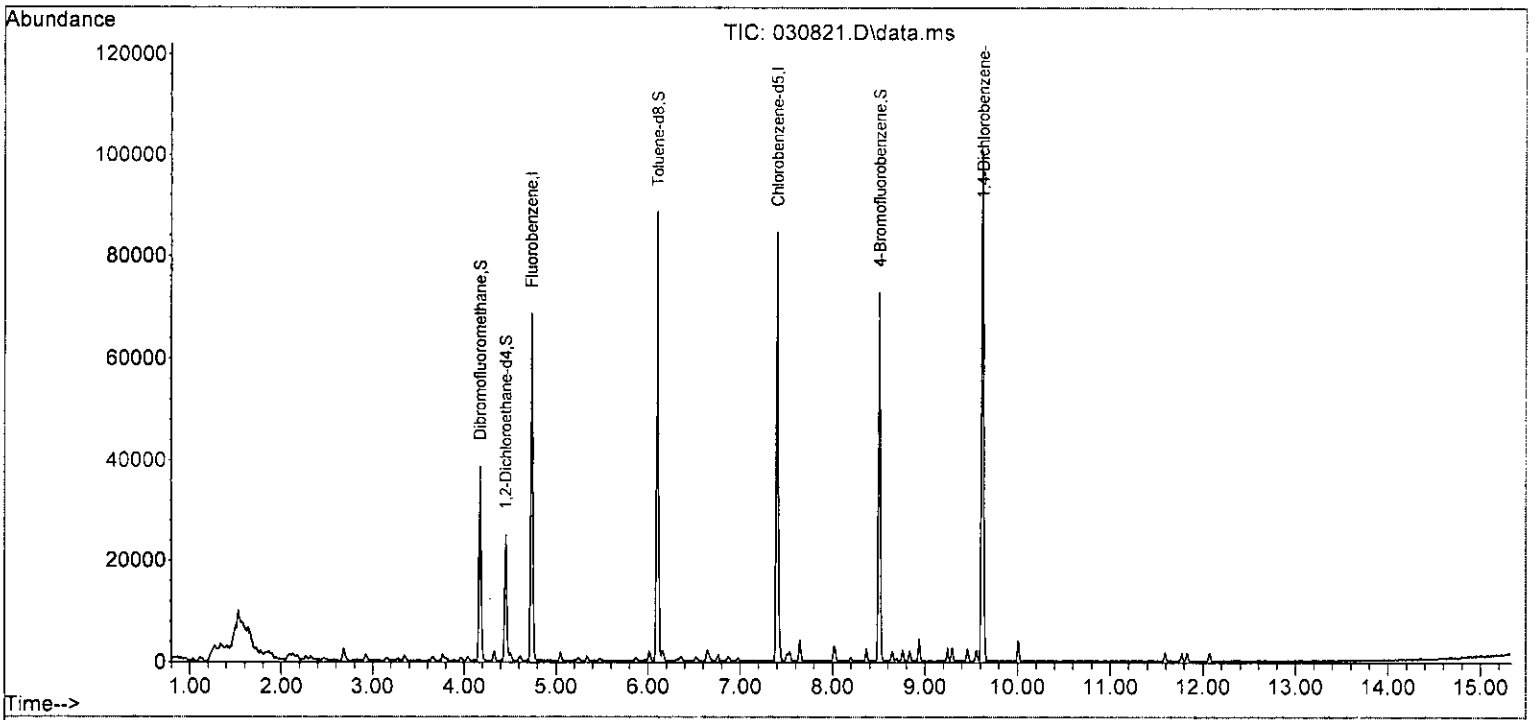
Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

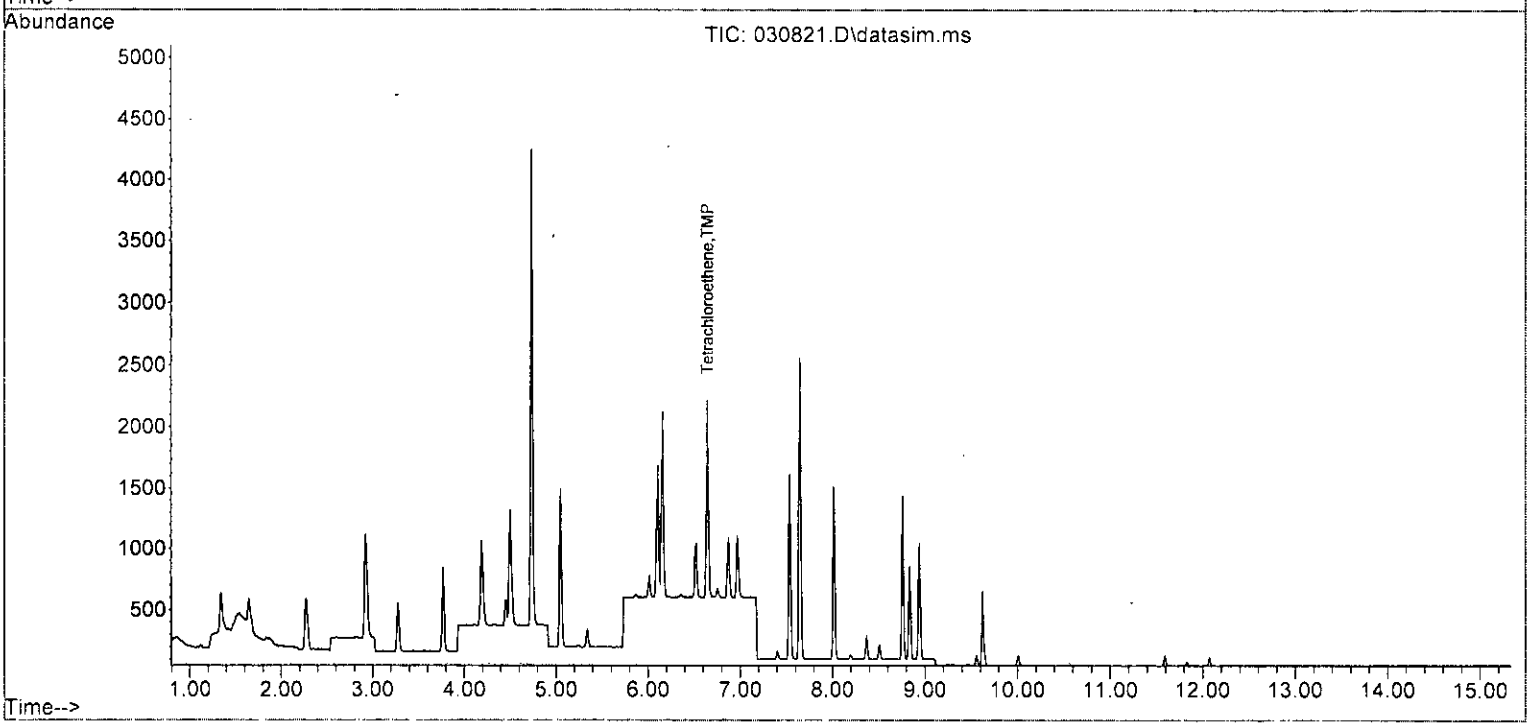
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	559	0.205	ppb	98
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.750	2.5	100	0.00
4	TMP	Dichlorodifluoromethane	-1.000	0.000	0.0	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.200	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8	TMP	Chloroethane	0.200	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	0.200	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	-1.000	0.000	0.0	0	-2.32#
12	TMP	1,1-Dichloroethene	0.200	0.000	100.0#	0	-2.26#
13	TMP	Hexane	-1.000	0.000	0.0	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.200	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.200	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.200	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	0.200	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.200	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	0.200	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.200	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	0.200	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	-1.000	0.000	0.0	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.200	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.200	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	0.200	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	0.200	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	0.200	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.265	7.3	100	0.00
31	TMP	Benzene	0.200	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	0.200	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	0.200	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	0.200	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.546	4.5	100	0.00
36	TMP	Dibromomethane	0.200	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	-1.000	0.000	0.0	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.200	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.200	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.200	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	-1.000	0.000	0.0	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.200	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	0.200	0.205	-2.5	100	0.00
46	TMP	Dibromochloromethane	0.200	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.200	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	0.200	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	0.200	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.200	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	0.400	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	0.200	0.000	100.0#	0	-8.02#
53	TMP	Styrene	0.200	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	0.200	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	0.200	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.129	-1.3	100	0.00
58	TMP	n-Propylbenzene	0.200	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	0.200	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	0.200	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.200	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	0.200	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	0.200	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	0.200	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	0.200	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	0.200	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	0.200	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	0.200	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	0.200	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	0.200	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	0.200	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.200	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.200	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	0.200	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	0.200	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.200	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.314	2.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.059	7.8	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.910	4.5	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030821.D
Acq On : 08 Mar 2023 01:24 pm
Operator : lm
Sample : 0.2 ppb 8260 ICAL 68-161I
Misc : soil/water
ALS Vial : 10 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:11 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.548	-10.9	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.611	-1.3	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	56233	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	52463	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31590	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18041	9.956	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3736	10.461	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 104.60%			
35) Toluene-d8	6.11	98	53324	9.951	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 99.50%			
57) 4-Bromofluorobenzene	8.51	95	19104	10.028	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.30%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

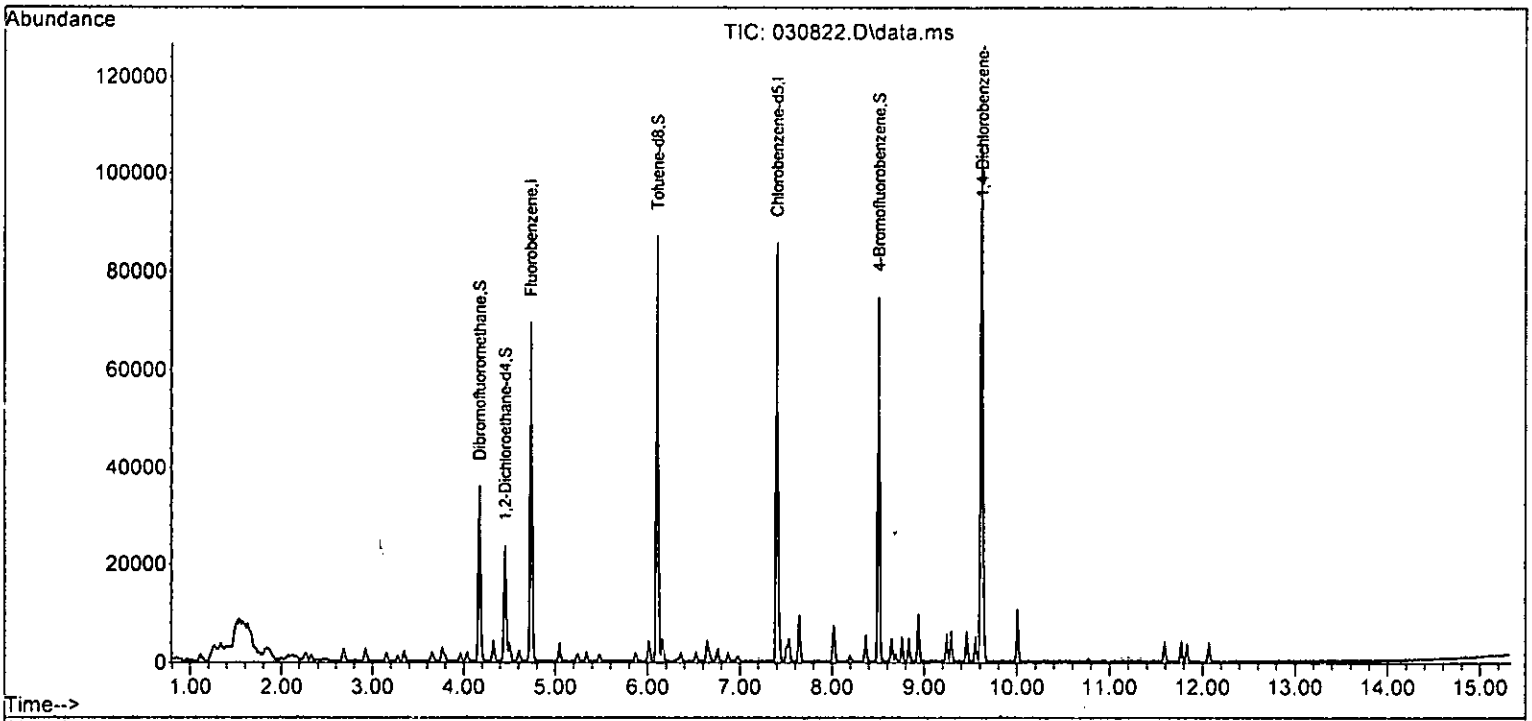
Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

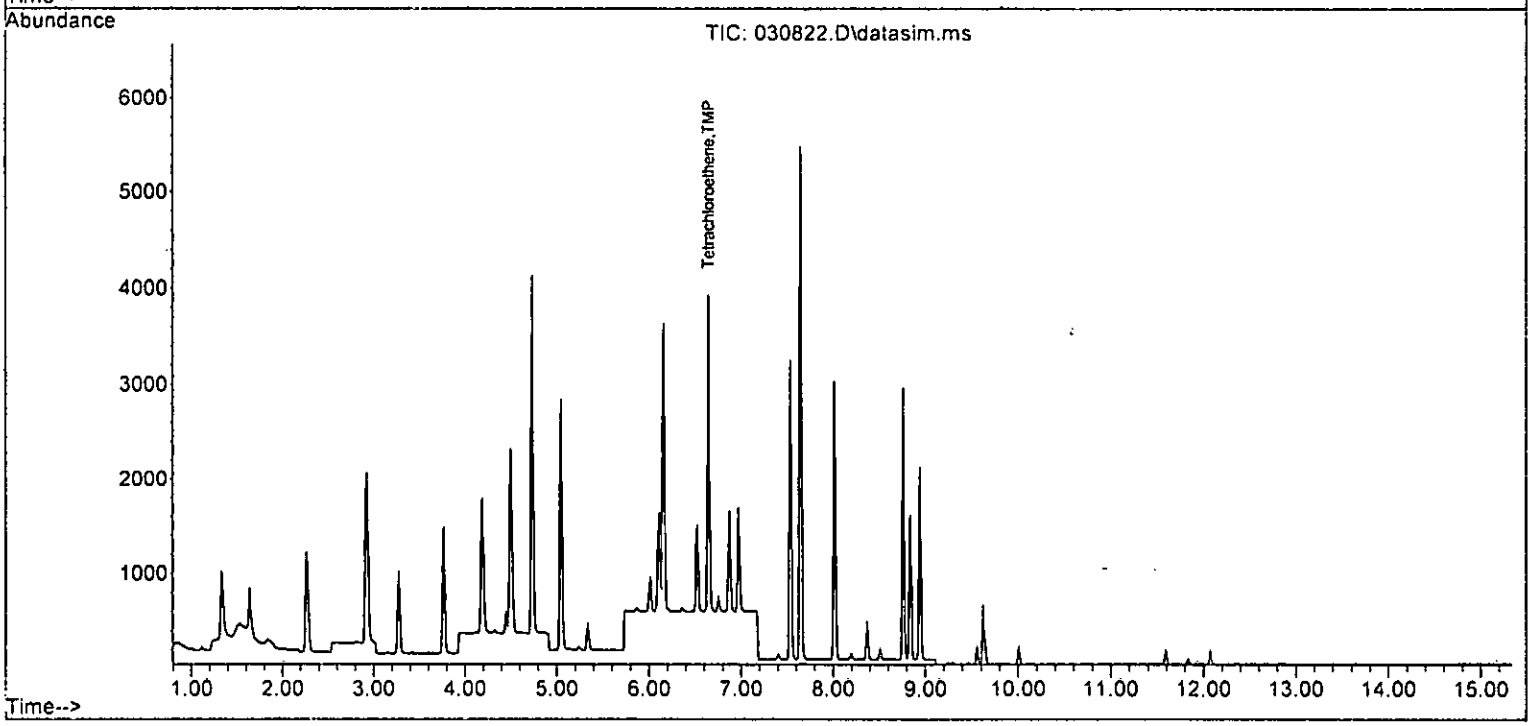
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	1150	0.477	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.956	0.4	100	0.00
4	TMP	Dichlorodifluoromethane	0.500	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	-1.000	0.000	0.0	0	-1.25#
6	TMP	Vinyl chloride	0.500	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	-1.000	0.000	0.0	0	-1.58#
8	TMP	Chloroethane	0.500	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	0.500	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	2.500	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	0.500	0.000	100.0#	0	-2.26#
13	TMP	Hexane	0.500	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	-1.000	0.000	0.0	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.500	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.500	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.500	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	0.500	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.500	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	0.500	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.500	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	0.500	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	2.500	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.500	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.500	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	0.500	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	0.500	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	0.500	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.461	-4.6	100	0.00
31	TMP	Benzene	0.500	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	0.500	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	0.500	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	0.500	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.951	0.5	100	0.00
36	TMP	Dibromomethane	0.500	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	2.500	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.500	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	0.500	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.500	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	0.500	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	2.500	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.500	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	0.500	0.477	4.6	100	0.00
46	TMP	Dibromochloromethane	0.500	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.500	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	0.500	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	0.500	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.500	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	1.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	0.500	0.000	100.0#	0	-8.02#
53	TMP	Styrene	0.500	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	0.500	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	0.500	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.028	-0.3	100	0.00
58	TMP	n-Propylbenzene	0.500	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	0.500	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	0.500	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.500	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	0.500	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	0.500	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	0.500	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	0.500	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	0.500	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	0.500	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	0.500	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	0.500	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	0.500	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	0.500	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.500	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	0.500	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	0.500	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	0.500	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	0.500	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.321	0.3	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.066	-3.1	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.948	0.5	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030822.D
Acq On : 08 Mar 2023 01:47 pm
Operator : lm
Sample : 0.5 ppb 8260 ICAL 68-161J
Misc : soil/water
ALS Vial : 11 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:15 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.438	11.3	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.605	-0.3	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	57023	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	51034	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30597	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	17932	9.759	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 97.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3550	9.803	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.00%			
35) Toluene-d8	6.11	98	54051	9.947	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 99.50%			
57) 4-Bromofluorobenzene	8.51	95	18463	10.006	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.10%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

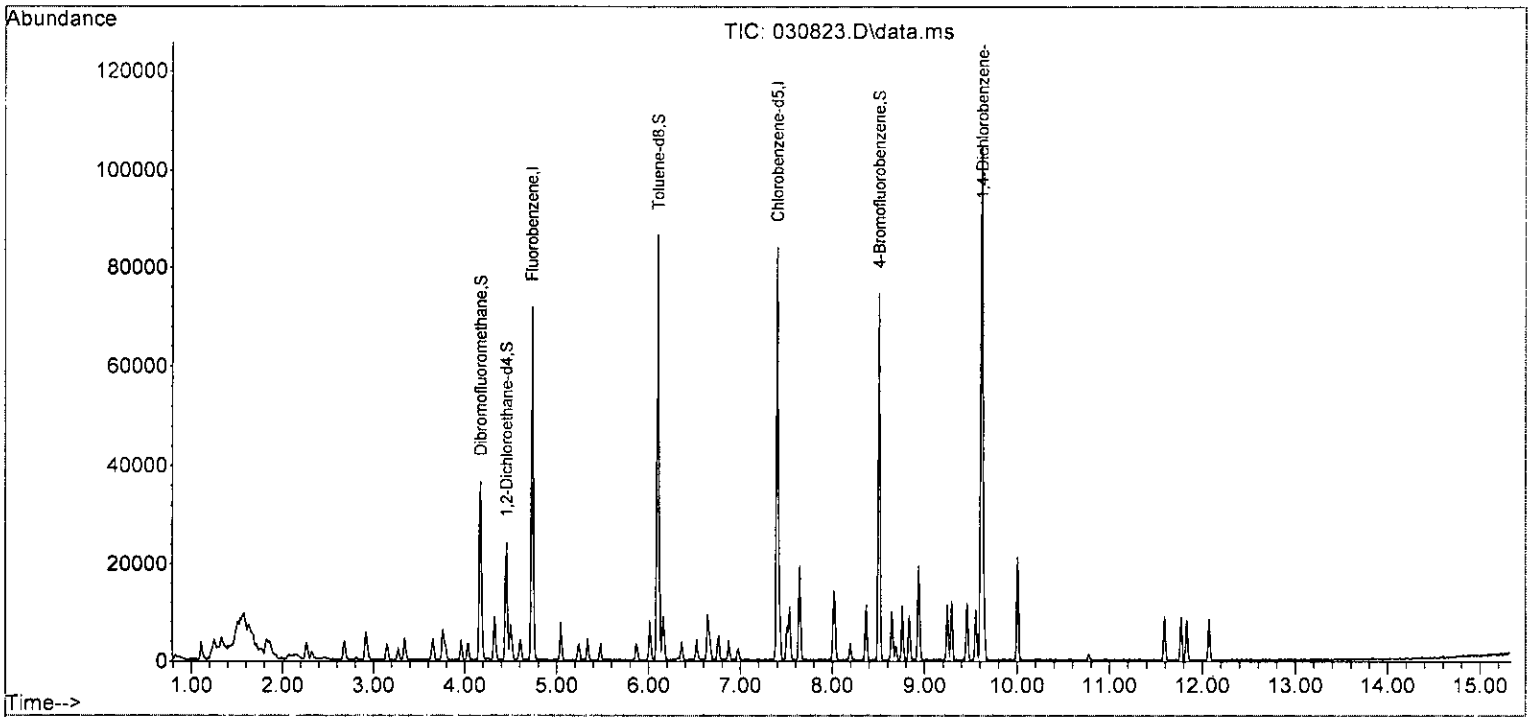
Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

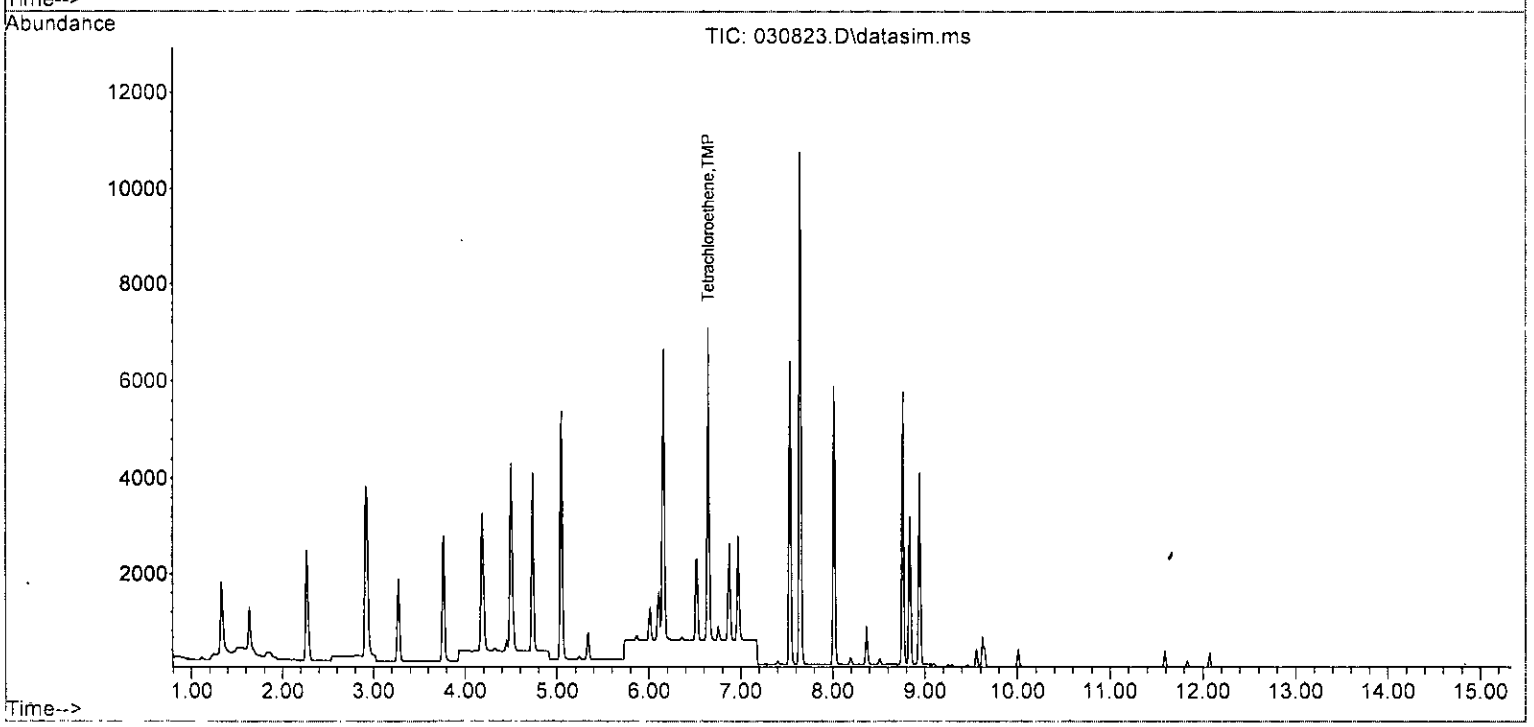
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	2230	1.017	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.759	2.4	100	0.00
4	TMP	Dichlorodifluoromethane	1.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	1.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	1.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	1.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	1.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	1.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	5.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	1.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	1.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	-1.000	0.000	0.0	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	5.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	1.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	1.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	1.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	1.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	1.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	1.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	1.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	1.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	5.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	1.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	1.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	1.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	1.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	1.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.803	2.0	100	0.00
31	TMP	Benzene	1.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	1.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	1.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	1.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.947	0.5	100	0.00
36	TMP	Dibromomethane	1.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	5.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	1.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	1.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	1.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	1.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	5.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	1.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	1.000	1.017	1.7	100	0.00
46	TMP	Dibromochloromethane	1.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	1.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	1.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	1.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	1.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	2.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	1.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	1.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	1.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	1.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.006	-0.1	100	0.00
58	TMP	n-Propylbenzene	1.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	1.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	1.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	1.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	1.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	1.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	1.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	1.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	1.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	1.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	1.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	1.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	1.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	1.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	1.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	1.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.314	2.5	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.062	3.1	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.948	0.5	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030823.D
Acq On : 08 Mar 2023 02:10 pm
Operator : lm
Sample : 1 ppb 8260 ICAL 68-161K
Misc : soil/water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:19 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.437	11.5	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.603	0.0	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	56142	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	50690	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	30172	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	17988	9.943	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.40%			
30) 1,2-Dichloroethane-d4	4.45	102	3484	9.772	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 97.70%			
35) Toluene-d8	6.11	98	52022	9.724	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 97.20%			
57) 4-Bromofluorobenzene	8.51	95	18347	10.083	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.80%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

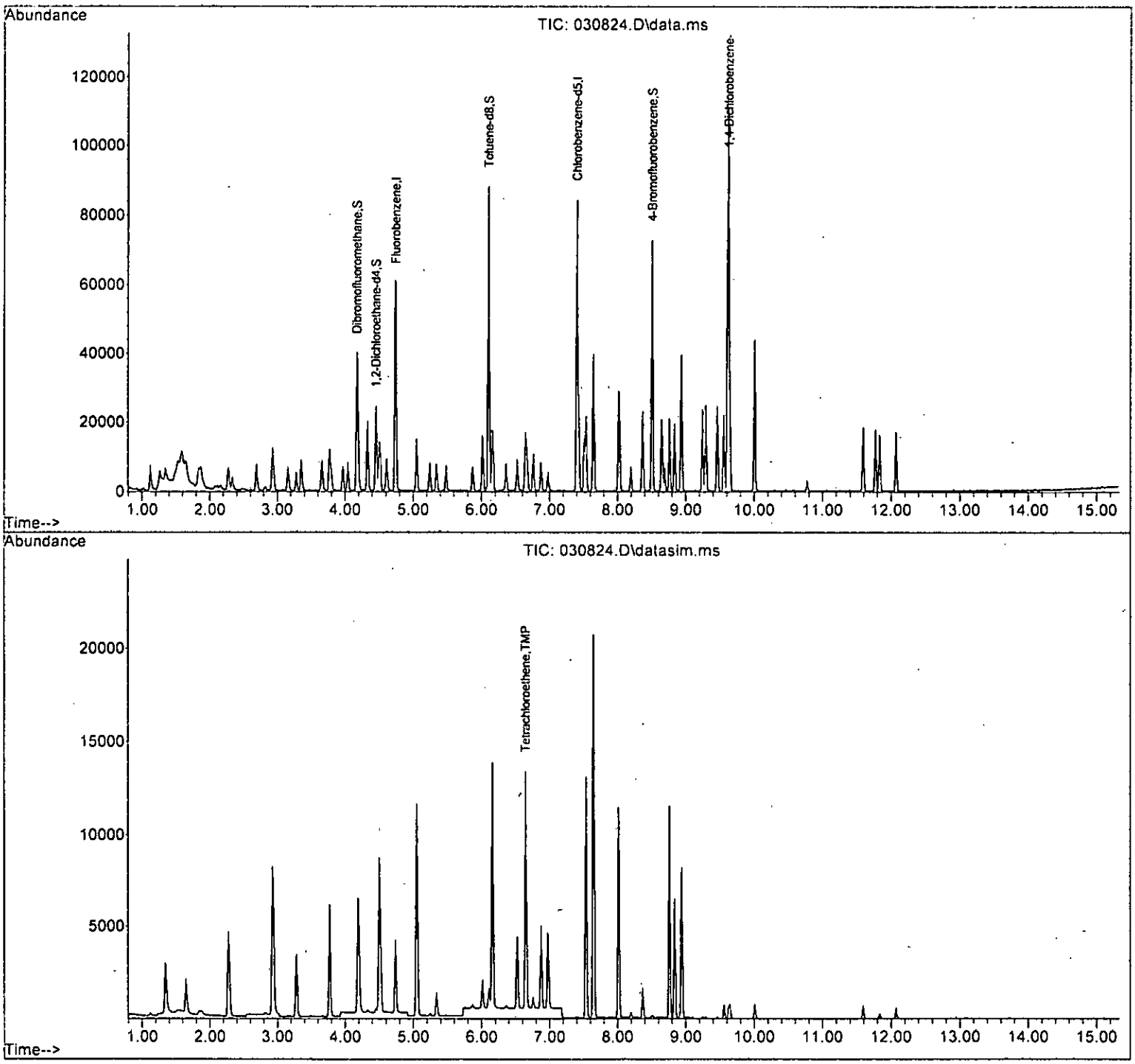
Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	4435	2.103	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.01
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.943	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	2.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	2.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	2.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	2.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	2.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	2.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	10.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	2.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	2.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	2.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	10.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	2.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	2.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	2.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	2.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	2.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	2.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	2.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	2.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	10.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	2.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	2.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	2.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	2.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	2.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.772	2.3	100	0.00
31	TMP	Benzene	2.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	2.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	2.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	2.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.724	2.8	100	0.00
36	TMP	Dibromomethane	2.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	10.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	2.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	2.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	2.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	2.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	10.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	2.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	2.000	2.103	-5.2	100	0.00
46	TMP	Dibromochloromethane	2.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	2.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	2.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	2.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	2.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	4.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	2.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	2.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	2.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	2.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.083	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	2.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	2.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	2.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	2.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	2.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	2.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	2.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	2.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	2.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	2.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	2.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	2.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	2.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	2.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	2.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	2.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	2.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.01
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.320	0.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.062	3.1	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.927	2.7	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030824.D
Acq On : 08 Mar 2023 02:33 pm
Operator : lm
Sample : 2 ppb 8260 ICAL 68-161L
Misc : soil/water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:23 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.437	11.5	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.608	-0.8	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	54194	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	50181	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29445	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	17763	10.171	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.70%			
30) 1,2-Dichloroethane-d4	4.45	102	3490	10.140	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.40%			
35) Toluene-d8	6.10	98	51171	9.909	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 99.10%			
57) 4-Bromofluorobenzene	8.51	95	17632	9.929	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.30%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

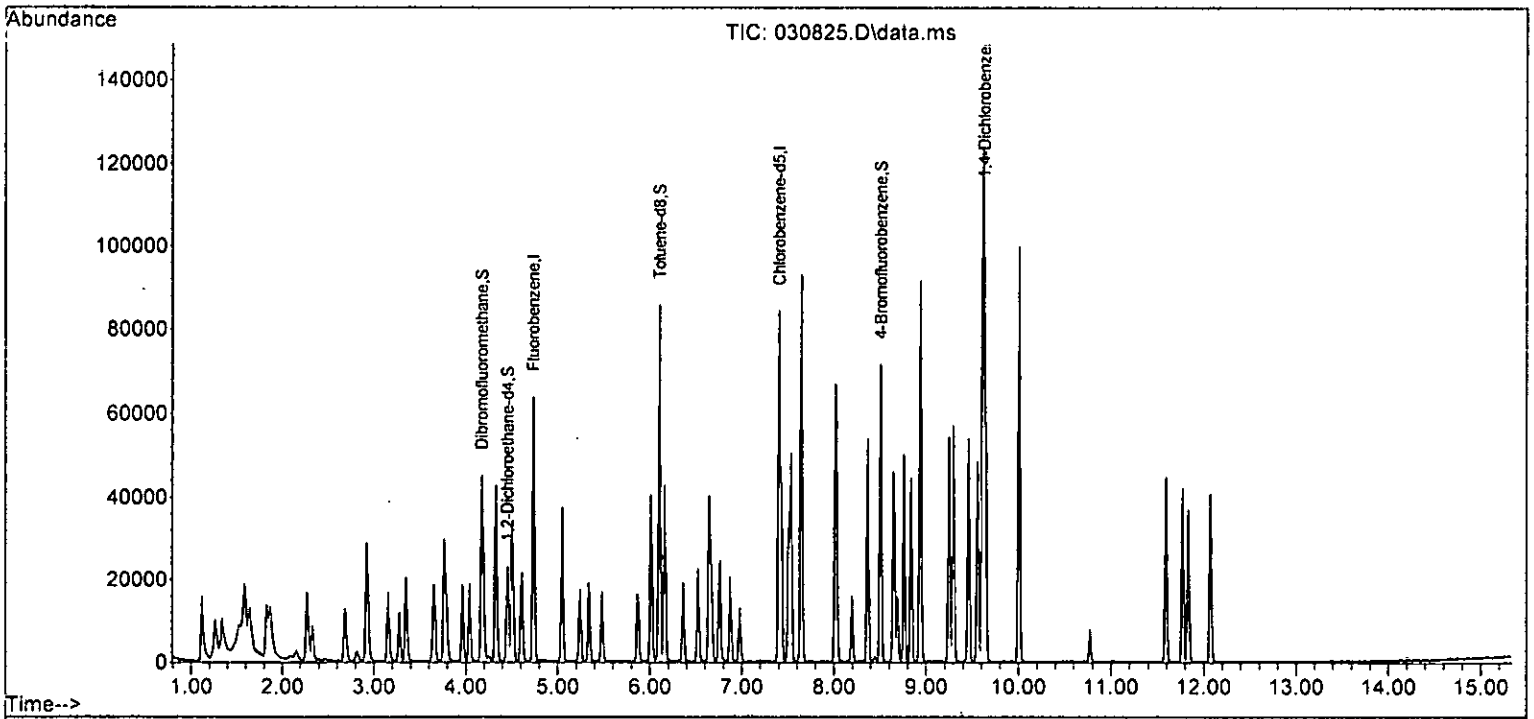
Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

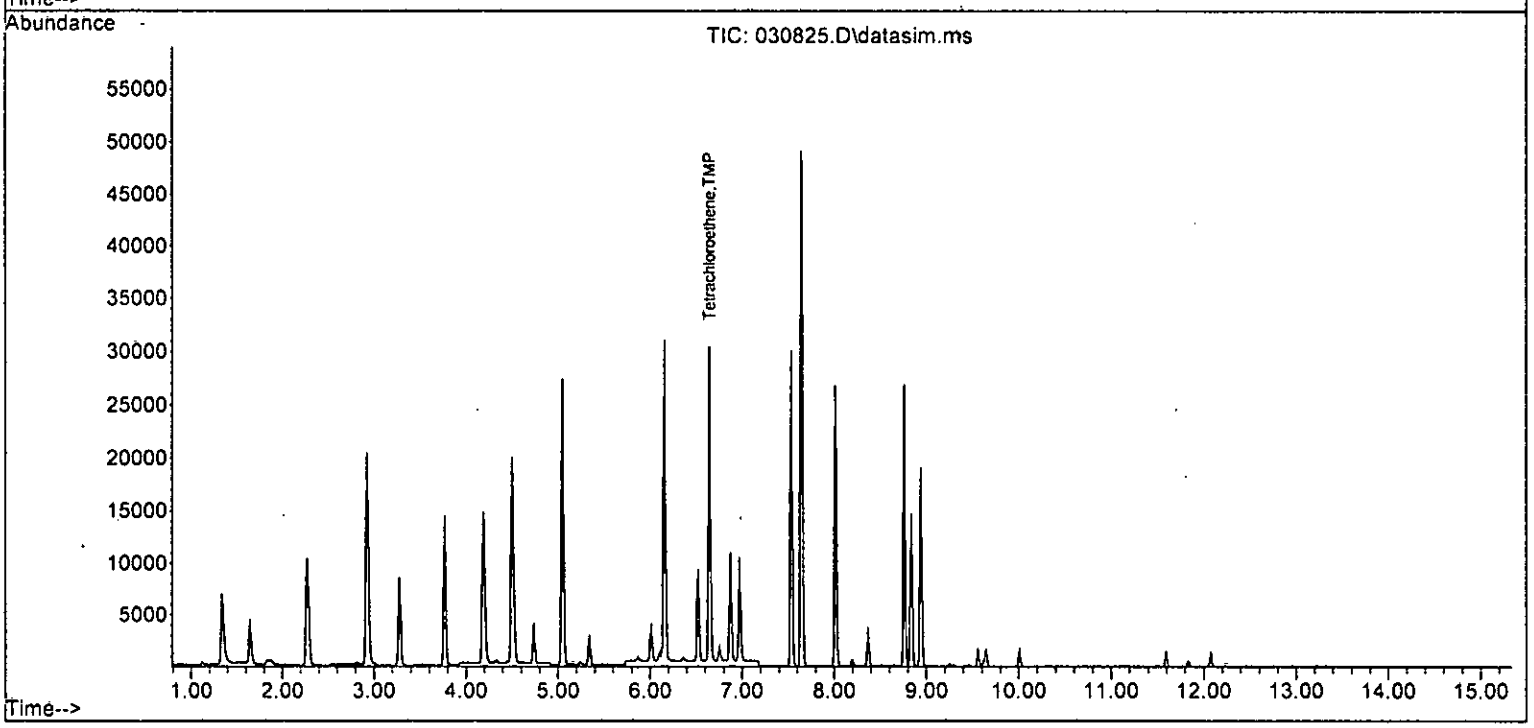
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	10301	5.024	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.171	-1.7	100	0.00
4	TMP	Dichlorodifluoromethane	5.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	5.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	5.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	5.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	5.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	5.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	25.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	5.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	5.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	5.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	25.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	5.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	5.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	5.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	5.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	5.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	5.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	5.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	5.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	25.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	5.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	5.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	5.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	5.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	5.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.140	-1.4	100	0.00
31	TMP	Benzene	5.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	5.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	5.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	5.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.909	0.9	100	0.00
36	TMP	Dibromomethane	5.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	25.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	5.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	5.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	5.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	5.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	25.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	5.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	5.000	5.024	-0.5	100	0.00
46	TMP	Dibromochloromethane	5.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	5.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	5.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	5.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	5.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	10.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	5.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	5.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	5.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	5.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.929	0.7	100	0.00
58	TMP	n-Propylbenzene	5.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	5.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	5.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	5.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	5.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	5.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	5.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	5.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	5.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	5.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	5.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	5.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	5.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	5.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	5.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	5.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	5.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	5.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	5.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.328	-1.9	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.064	0.0	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.944	0.9	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030825.D
Acq On : 08 Mar 2023 02:57 pm
Operator : lm
Sample : 5 ppb 8260 ICAL 68-161M
Misc : soil/water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:27 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.411	16.8	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.599	0.7	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	53533	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49185	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29188	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	16989	9.848	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 98.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3165	9.310	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 93.10%			
35) Toluene-d8	6.10	98	51573	10.110	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.10%			
57) 4-Bromofluorobenzene	8.51	95	17557	9.974	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

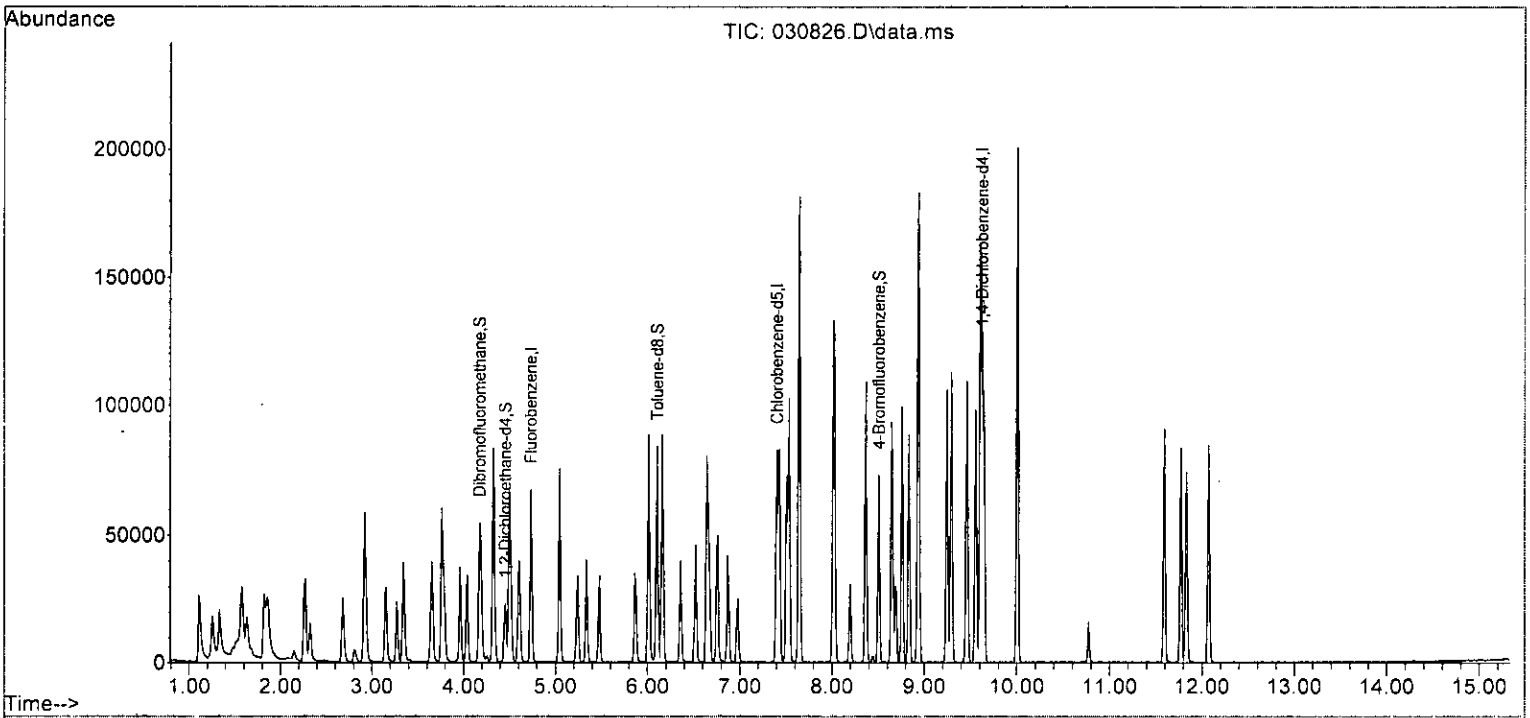
Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

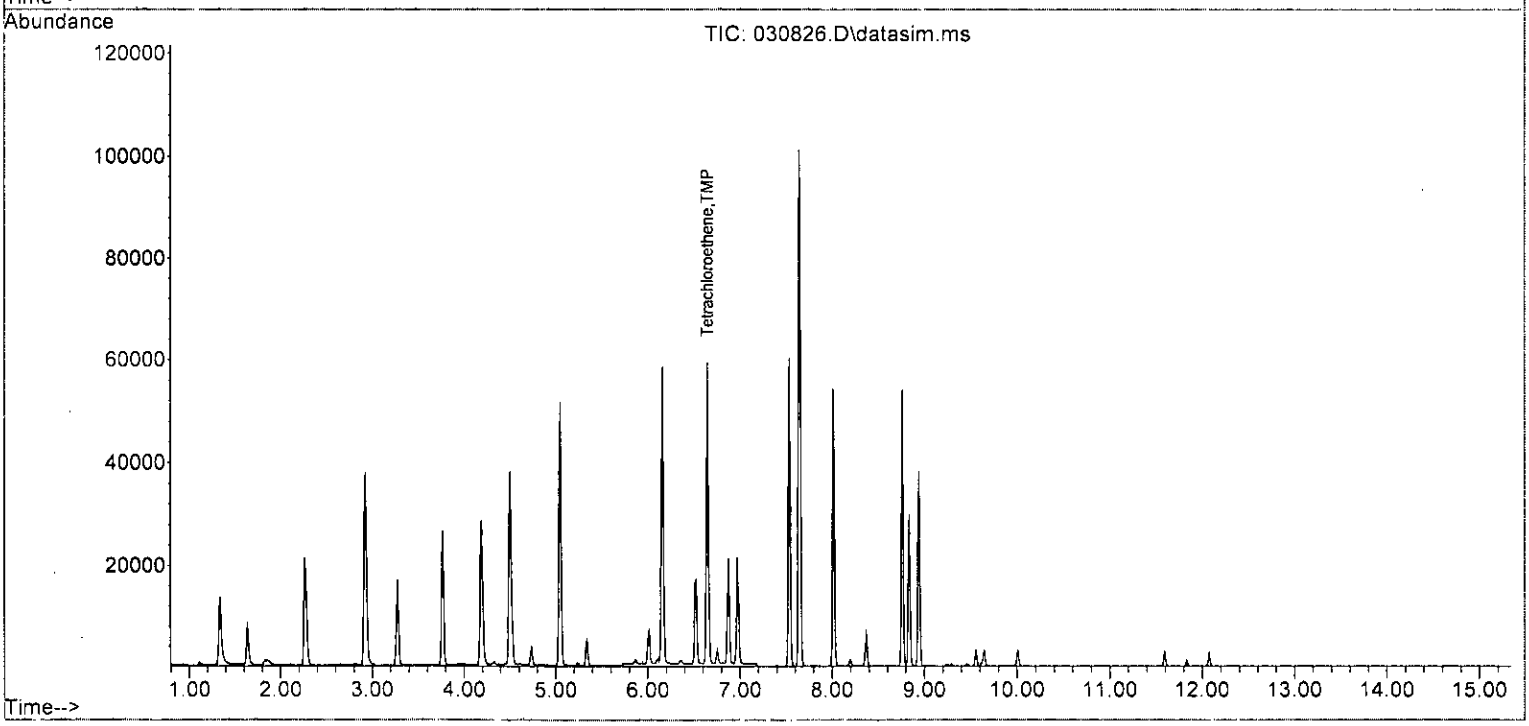
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	20570	10.305	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	9.848	1.5	100	0.00
4	TMP	Dichlorodifluoromethane	10.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	10.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	10.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	10.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	10.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	10.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	50.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	10.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	10.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	10.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	50.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	10.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	10.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	10.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	10.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	10.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	10.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	10.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	50.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	10.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	10.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	10.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	10.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	10.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.310	6.9	100	0.00
31	TMP	Benzene	10.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	10.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	10.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	10.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.110	-1.1	100	0.00
36	TMP	Dibromomethane	10.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	50.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	10.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	10.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	10.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	10.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	50.000	0.000	100.0#	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	10.000	10.305	-3.0	100	0.00
46	TMP	Dibromochloromethane	10.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	10.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	10.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	10.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	10.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	20.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	10.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	10.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	10.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	10.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.974	0.3	100	0.00
58	TMP	n-Propylbenzene	10.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	10.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	10.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	10.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	10.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	10.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	10.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	10.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	10.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	10.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	10.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	10.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	10.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	10.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	10.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	10.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	10.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	10.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	10.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.317	1.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.059	7.8	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.963	-1.0	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030826.D
Acq On : 08 Mar 2023 03:20 pm
Operator : lm
Sample : 10 ppb 8260 ICAL 68-161N
Misc : soil/water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:31 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.418	15.4	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.602	0.2	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	51773	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	47031	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28561	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.16	113	16931	10.148	ppb	-0.01
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3324	10.110	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.10%			
35) Toluene-d8	6.11	98	49120	9.957	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 99.60%			
57) 4-Bromofluorobenzene	8.51	95	16716	9.705	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 97.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

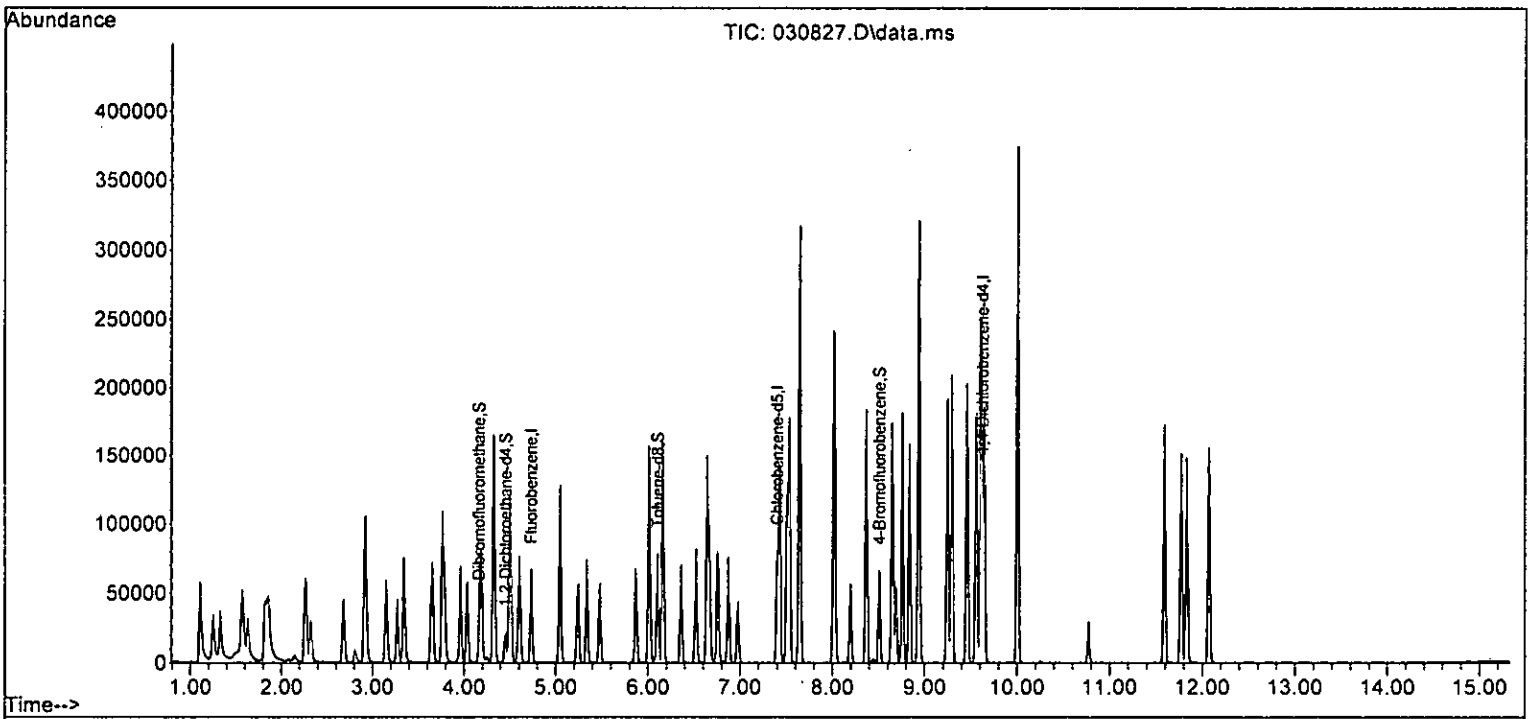
Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

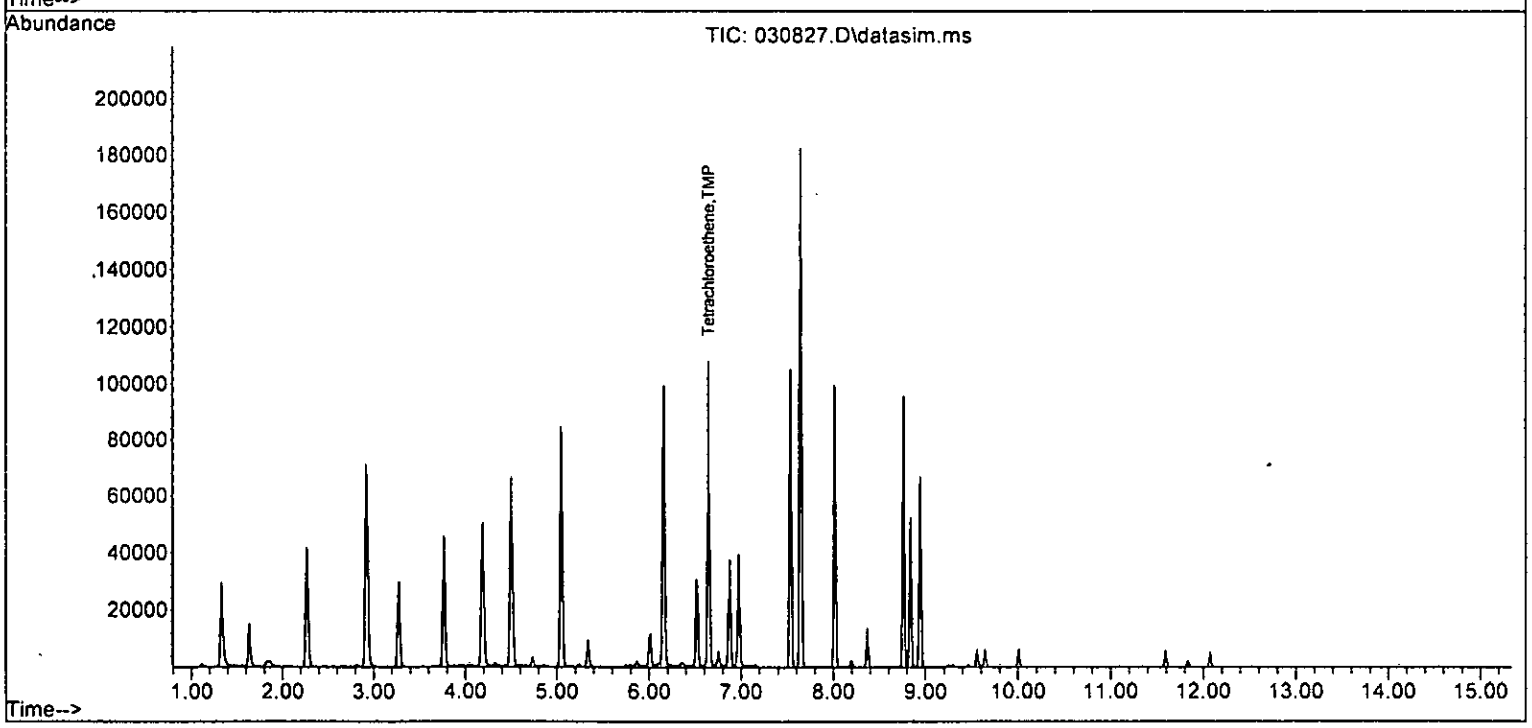
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	36622	19.244	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.148	-1.5	100	-0.01
4	TMP	Dichlorodifluoromethane	20.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	20.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	20.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	20.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	20.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	20.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	100.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	20.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	20.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	20.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	100.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	20.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	20.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	20.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	20.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	20.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	20.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	20.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	20.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	100.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	20.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	20.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	20.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	20.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	20.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.110	-1.1	100	0.00
31	TMP	Benzene	20.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	20.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	20.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	20.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.957	0.4	100	0.00
36	TMP	Dibromomethane	20.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	100.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	20.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	20.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	20.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	20.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	100.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	20.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	20.000	19.244	3.8	100	0.00
46	TMP	Dibromochloromethane	20.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	20.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	20.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	20.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	20.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	40.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	20.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	20.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	20.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	20.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.705	2.9	100	0.00
58	TMP	n-Propylbenzene	20.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	20.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	20.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	20.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	20.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	20.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	20.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	20.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	20.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	20.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	20.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	20.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	20.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	20.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	20.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	20.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	20.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	20.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	20.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.327	-1.6	100	-0.01
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.064	0.0	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.949	0.4	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030827.D
Acq On : 08 Mar 2023 03:43 pm
Operator : lm
Sample : 20 ppb 8260 ICAL 68-1610
Misc : soil/water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:35 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.389	21.3#	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.585	3.0	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	50160	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	45922	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	26424	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	16264	10.062	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3284	10.309	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.10%			
35) Toluene-d8	6.11	98	48546	10.157	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.60%			
57) 4-Bromofluorobenzene	8.51	95	16129	10.121	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.20%			
Target Compounds						Qvalue
2) Ethanol	2.33	45	221	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

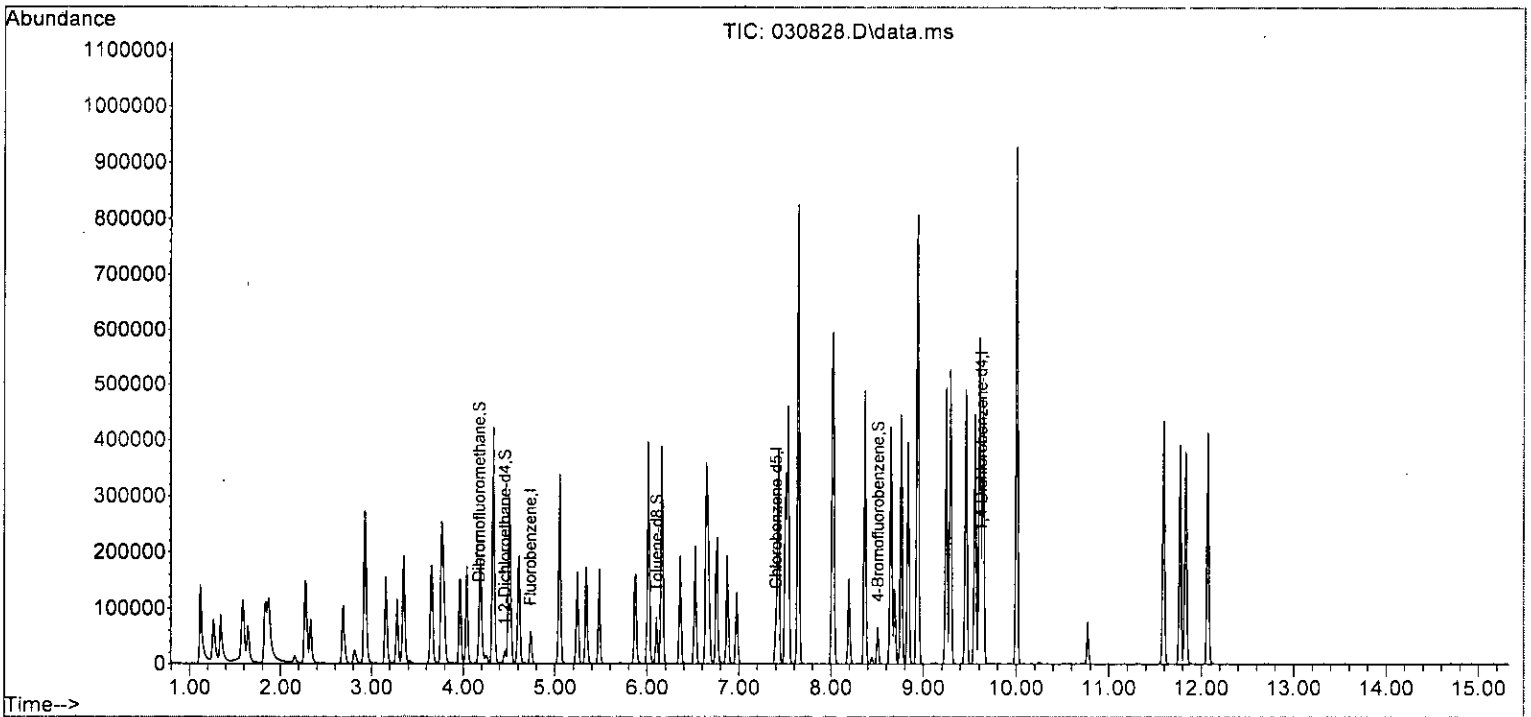
Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

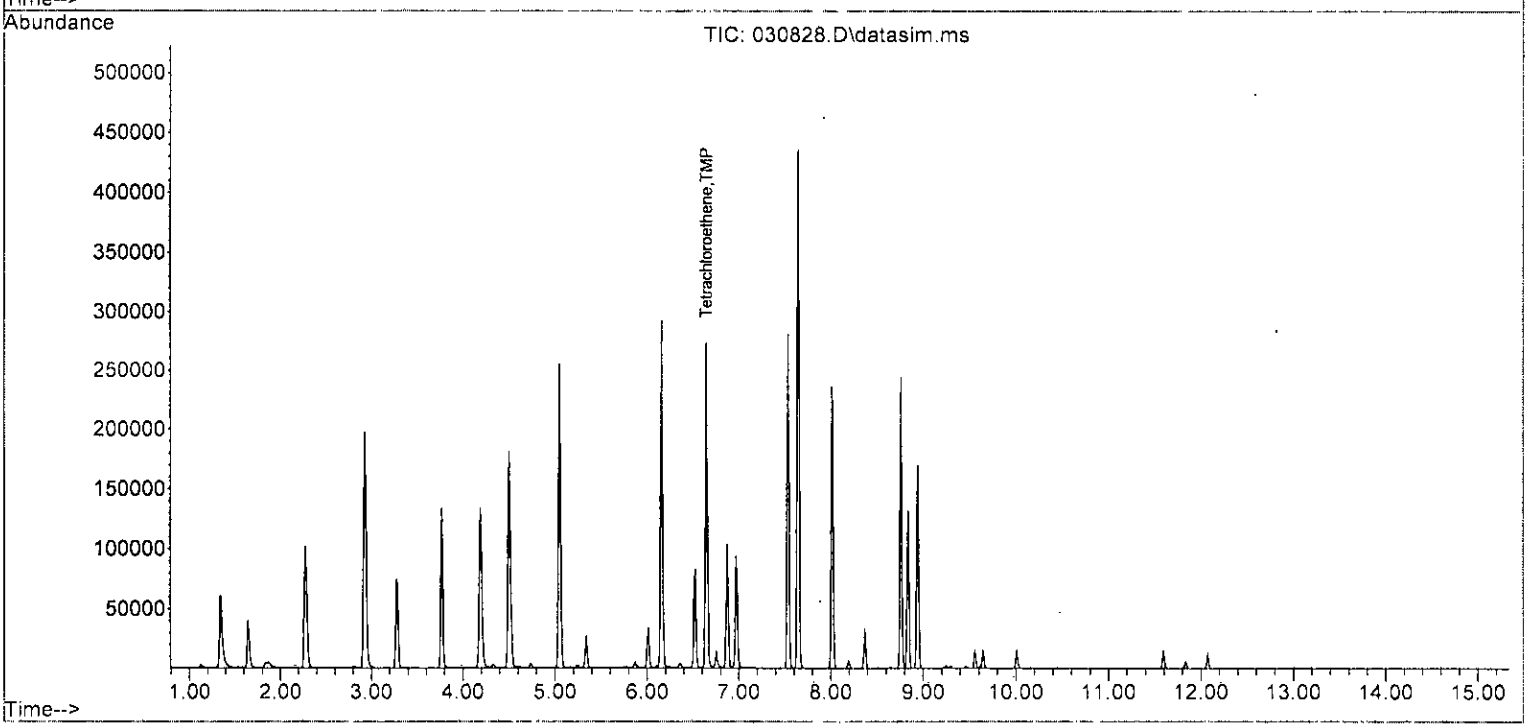
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	94368	50.894	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.062	-0.6	100	0.00
4	TMP	Dichlorodifluoromethane	50.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	50.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	50.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	50.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	50.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	50.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	250.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	50.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	50.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	50.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	250.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	50.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	50.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	50.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	50.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	50.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	50.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	50.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	50.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	250.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	50.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	50.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	50.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	50.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	50.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.309	-3.1	100	0.00
31	TMP	Benzene	50.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	50.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	50.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	50.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.157	-1.6	100	0.00
36	TMP	Dibromomethane	50.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	250.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	50.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	50.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	50.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	50.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	250.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	50.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	50.000	50.894	-1.8	100	0.00
46	TMP	Dibromochloromethane	50.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	50.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	50.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	50.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	50.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	100.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	50.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	50.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	50.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	50.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.121	-1.2	100	0.00
58	TMP	n-Propylbenzene	50.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	50.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	50.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	50.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	50.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	50.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	50.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	50.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	50.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	50.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	50.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	50.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	50.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	50.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	50.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	50.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	50.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	50.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	50.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.322	0.324	-0.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.065	-1.6	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.968	-1.6	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030828.D
Acq On : 08 Mar 2023 04:07 pm
Operator : lm
Sample : 50 ppb 8260 ICAL 68-161Q
Misc : soil/water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:40 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.411	16.8	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.610	-1.2	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	47918	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	46316	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	26451	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15649	10.135	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.30%			
30) 1,2-Dichloroethane-d4	4.45	102	2982	9.799	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 98.00%			
35) Toluene-d8	6.11	98	47154	10.327	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.30%			
57) 4-Bromofluorobenzene	8.51	95	15923	9.982	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.80%			
Target Compounds						Qvalue
2) Ethanol	2.33	45	373	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

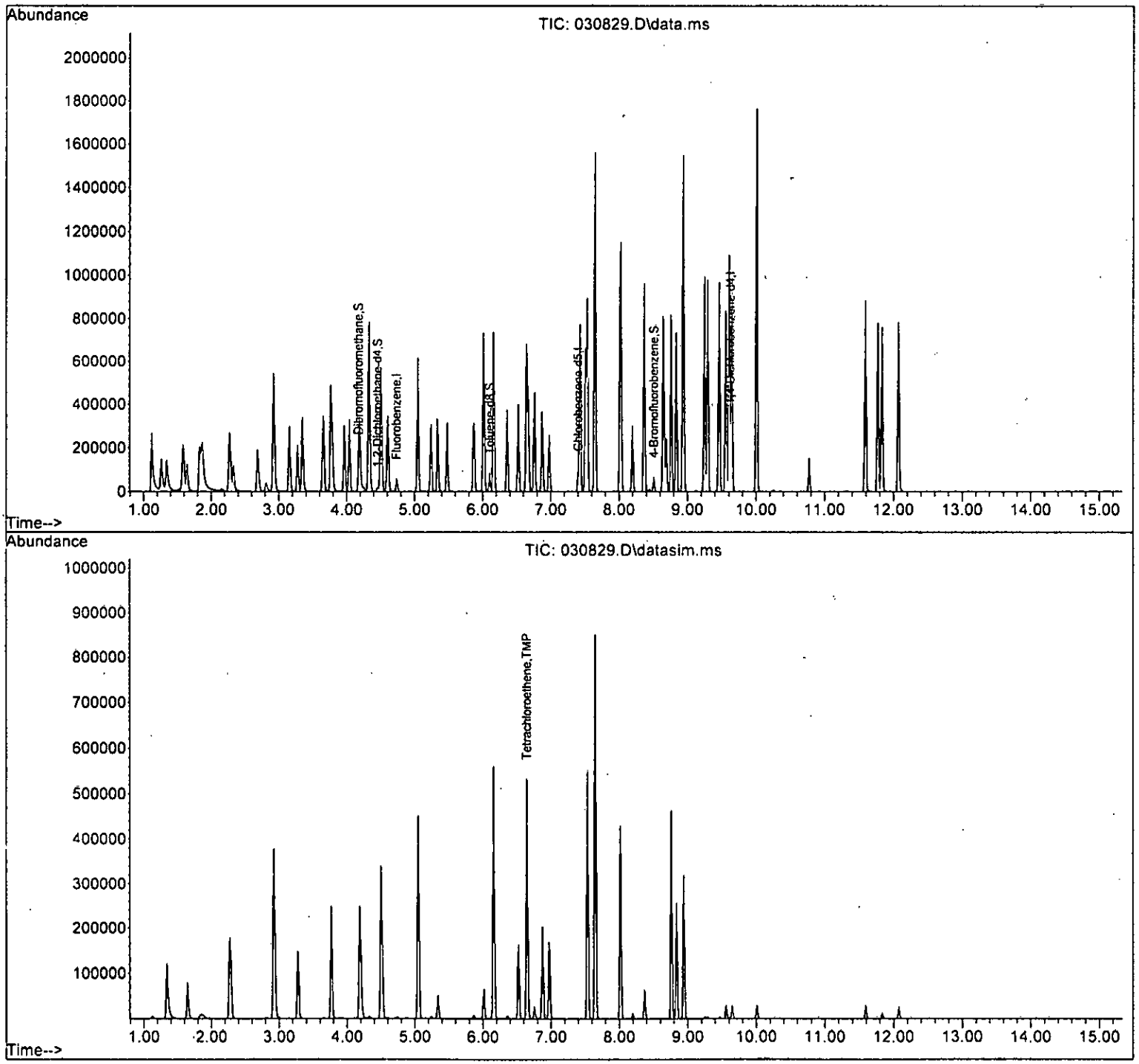
Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	181417	97.069	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.01
3	S	Dibromofluoromethane	10.000	10.135	-1.3	100	0.00
4	TMP	Dichlorodifluoromethane	100.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	100.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	100.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	100.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	100.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	100.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	500.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	100.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	100.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	100.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	500.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	100.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	100.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	100.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	100.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	100.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	100.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	100.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	100.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	500.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	100.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	100.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	100.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	100.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	100.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.799	2.0	100	0.00
31	TMP	Benzene	100.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	100.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	100.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	100.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.327	-3.3	100	0.00
36	TMP	Dibromomethane	100.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	500.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	100.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	100.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	100.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	100.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	500.000	0.000	100.0#	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	100.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	100.000	97.069	2.9	100	0.00
46	TMP	Dibromochloromethane	100.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	100.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	100.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	100.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	100.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	200.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	100.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	100.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	100.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	100.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.982	0.2	100	0.00
58	TMP	n-Propylbenzene	100.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	100.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	100.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	100.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	100.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	100.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	100.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	100.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	100.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	100.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	100.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	100.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	100.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	100.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	100.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	100.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	100.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	100.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	100.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.01
3	S	Dibromofluoromethane	0.322	0.327	-1.6	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.062	3.1	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.984	-3.3	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030829.D
Acq On : 08 Mar 2023 04:30 pm
Operator : lm
Sample : 100 ppb 8260 ICAL 68-161S
Misc : soil/water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:44 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.392	20.6#	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.602	0.2	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	46963	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	44296	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	25569	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15106	9.982	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 99.80%			
30) 1,2-Dichloroethane-d4	4.45	102	2874	9.636	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 96.40%			
35) Toluene-d8	6.10	98	45445	10.155	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 101.60%			
57) 4-Bromofluorobenzene	8.51	95	15278	9.908	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 99.10%			
Target Compounds						Qvalue
2) Ethanol	2.32	45	714	No Calib		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

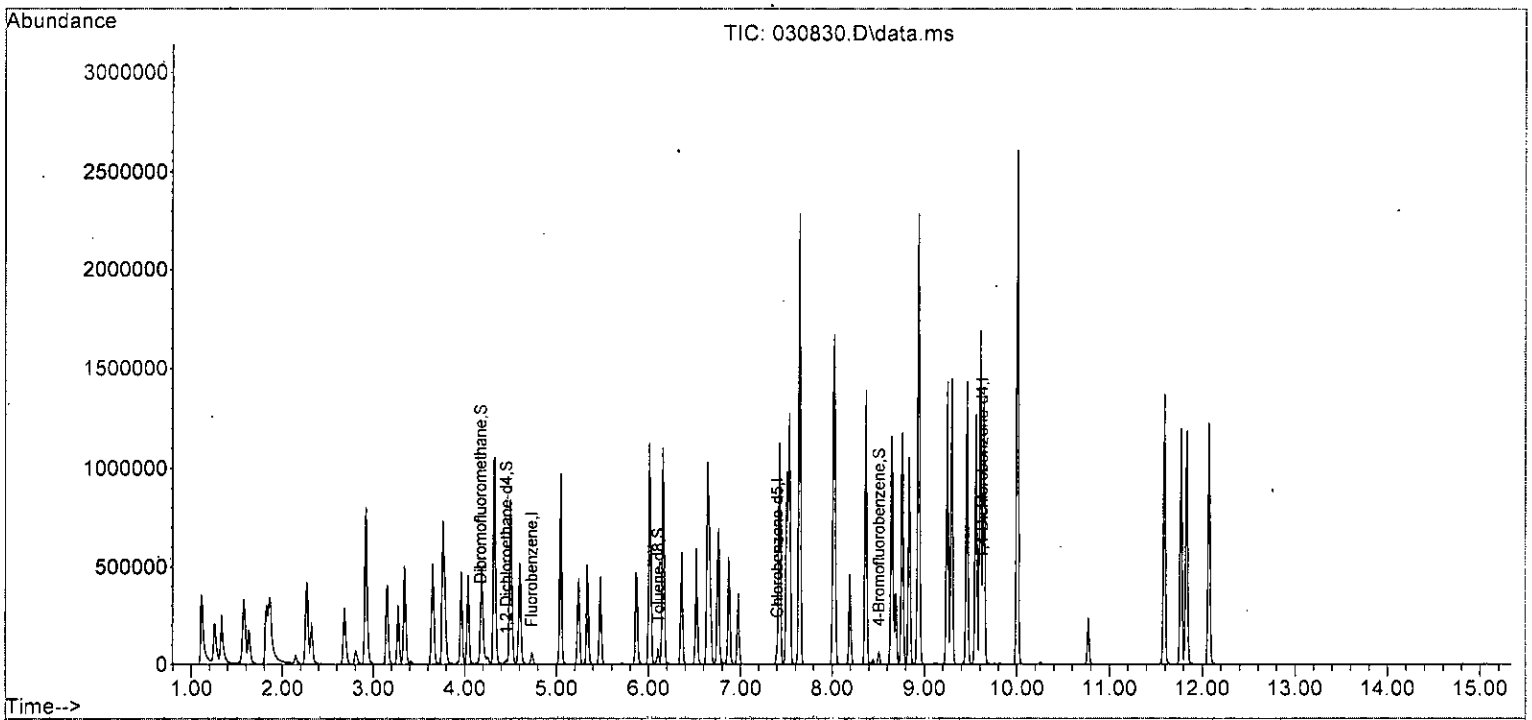
Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

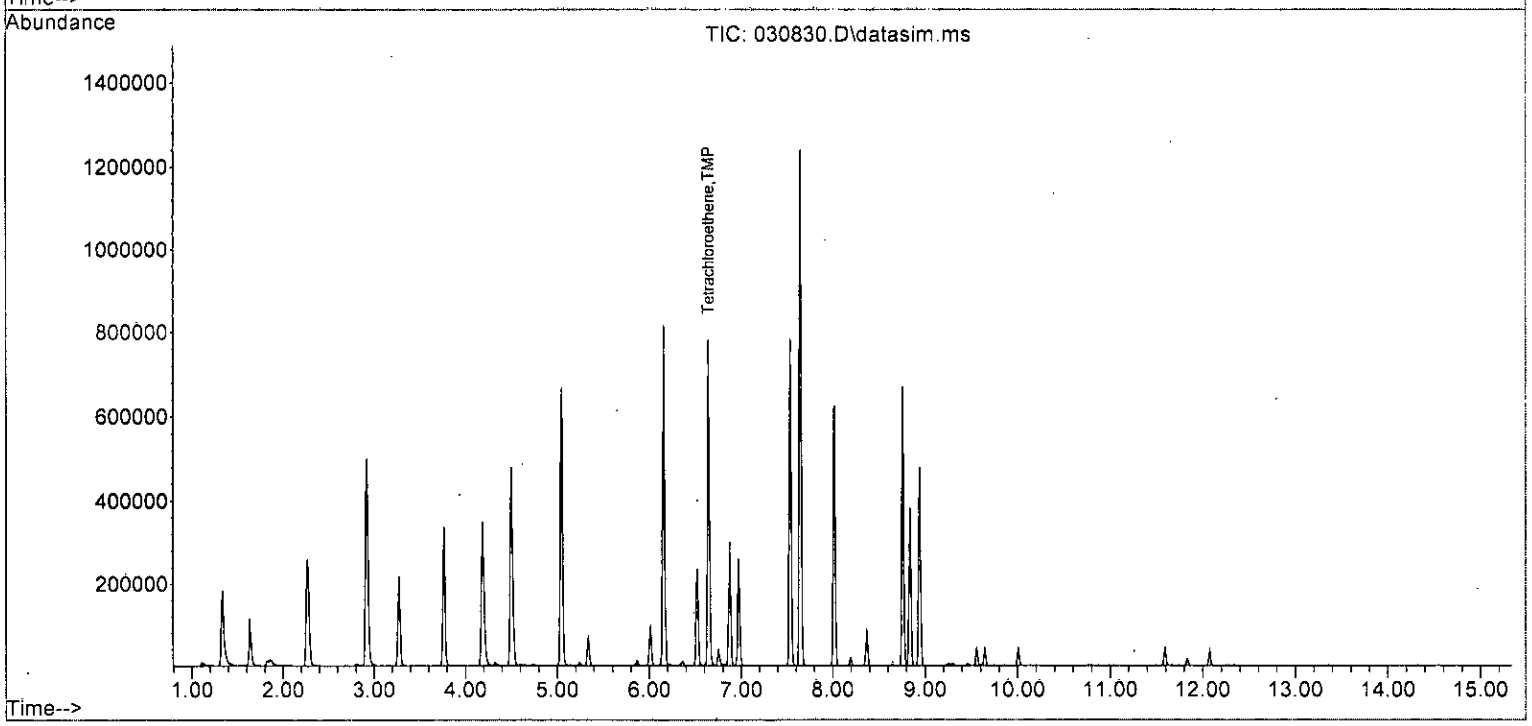
Compound	R.T.	QIon	Response	Conc	Units	Dev(Mih)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	266702	149.245	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-0.02
3	S	Dibromofluoromethane	10.000	9.982	0.2	100	0.00
4	TMP	Dichlorodifluoromethane	150.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	150.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	150.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	150.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	150.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	150.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	750.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	150.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	150.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	150.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	750.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	150.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	150.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	150.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	150.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	150.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	150.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	150.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	150.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	750.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	150.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	150.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	150.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	150.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	150.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.636	3.6	100	0.00
31	TMP	Benzene	150.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	150.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	150.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	150.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.155	-1.5	100	0.00
36	TMP	Dibromomethane	150.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	750.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	150.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	150.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	150.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	150.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	750.000	0.000	100.0#	0	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	150.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	150.000	149.245	0.5	100	0.00
46	TMP	Dibromochloromethane	150.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	150.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	150.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	150.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	150.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	300.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	150.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	150.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	150.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	150.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	9.908	0.9	100	0.00
58	TMP	n-Propylbenzene	150.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	150.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	150.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	150.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	150.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	150.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	150.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	150.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	150.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	150.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	150.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	150.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	150.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	150.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	150.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	150.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	150.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	150.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	150.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-0.02
3	S	Dibromofluoromethane	0.322	0.322	0.0	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.061	4.7	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.968	-1.6	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030830.D
Acq On : 08 Mar 2023 04:53 pm
Operator : lm
Sample : 150 ppb 8260 ICAL 68-161T
Misc : soil/water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:48 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.401	18.8	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.598	0.8	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	46172	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	44315	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	25224	10.000	ppb	# 0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	15035	10.105	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 101.10%			
30) 1,2-Dichloroethane-d4	4.45	102	2970	10.129	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 101.30%			
35) Toluene-d8	6.10	98	45546	10.352	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 103.50%			
57) 4-Bromofluorobenzene	8.51	95	15450	10.156	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

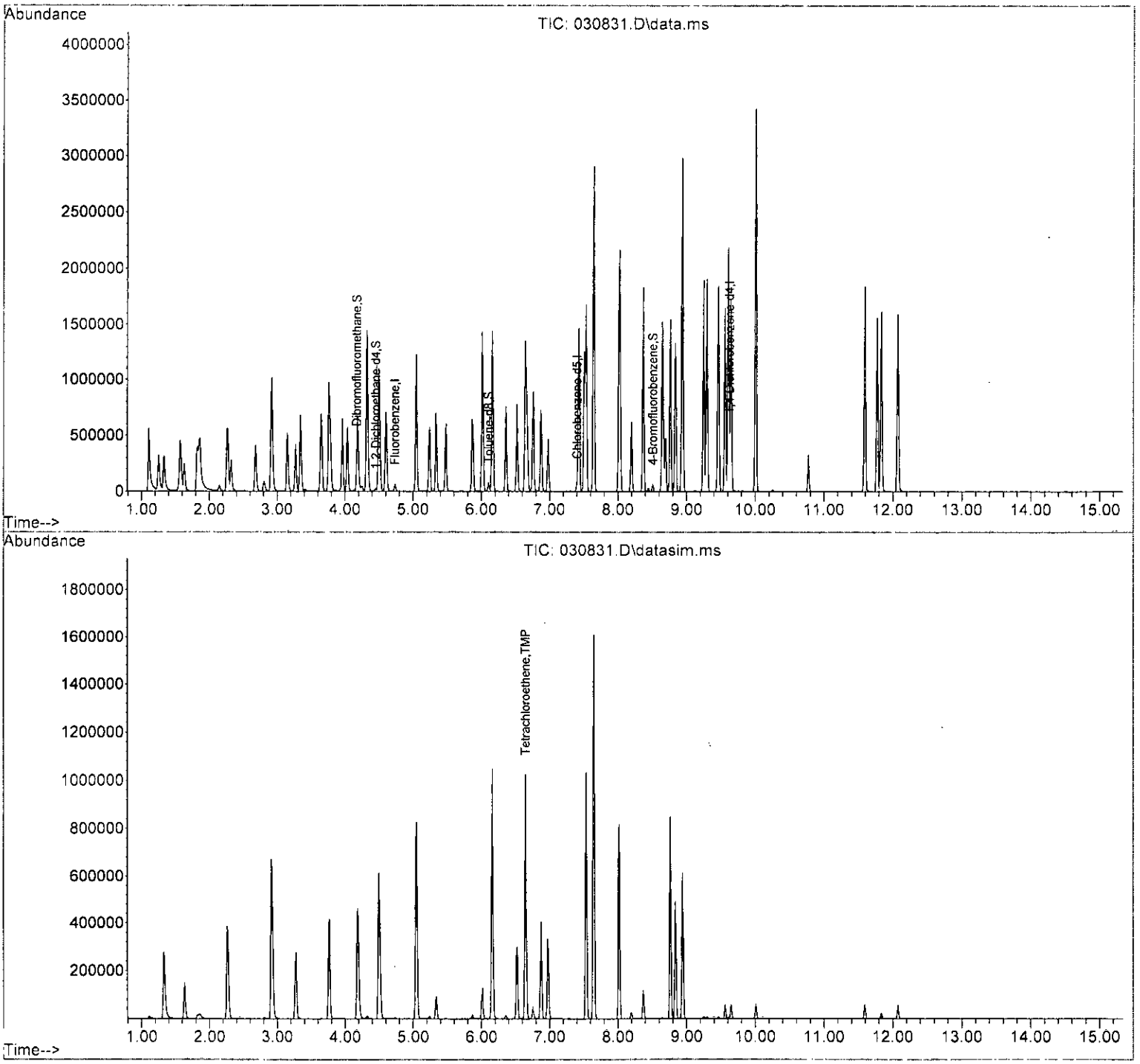
Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	346838	194.025	ppb	100
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.105	-1.1	100	0.00
4	TMP	Dichlorodifluoromethane	200.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	200.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	200.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	200.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	200.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	200.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	1000.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	200.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	200.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	200.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	1000.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	200.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	200.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	200.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	200.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	200.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	200.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	200.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	200.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	1000.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	200.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	200.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	200.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	200.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	200.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.129	-1.3	100	0.00
31	TMP	Benzene	200.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	200.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	200.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	200.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.352	-3.5	100	0.00
36	TMP	Dibromomethane	200.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	1000.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	200.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	100	0.00
40	TMP	Toluene	200.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	200.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	200.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	1000.000	0.000	100.0#	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	200.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	200.000	194.025	3.0	100	0.00
46	TMP	Dibromochloromethane	200.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	200.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	200.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	200.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	200.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	400.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	200.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	200.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	200.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	200.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	10.000	10.156	-1.6	100	0.00
58	TMP	n-Propylbenzene	200.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	200.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	200.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	200.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	200.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	200.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	200.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	200.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	200.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	200.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	200.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	200.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	200.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	200.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	200.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	200.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	200.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	200.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	200.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.326	-1.2	100	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.064	0.0	100	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.986	-3.5	100	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030831.D
Acq On : 08 Mar 2023 05:17 pm
Operator : lm
Sample : 200 ppb 8260 ICAL 68-161U
Misc : soil/water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:52 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.391	20.9#	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00
57	S	4-Bromofluorobenzene	0.603	0.613	-1.7	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	53348	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49753	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28848	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	17799	10.354	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3373	9.956	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 99.60%			
35) Toluene-d8	6.10	98	51229	10.077	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 100.80%			
57) 4-Bromofluorobenzene	8.51	95	17585	10.108	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 101.10%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.	d	
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.	d	
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

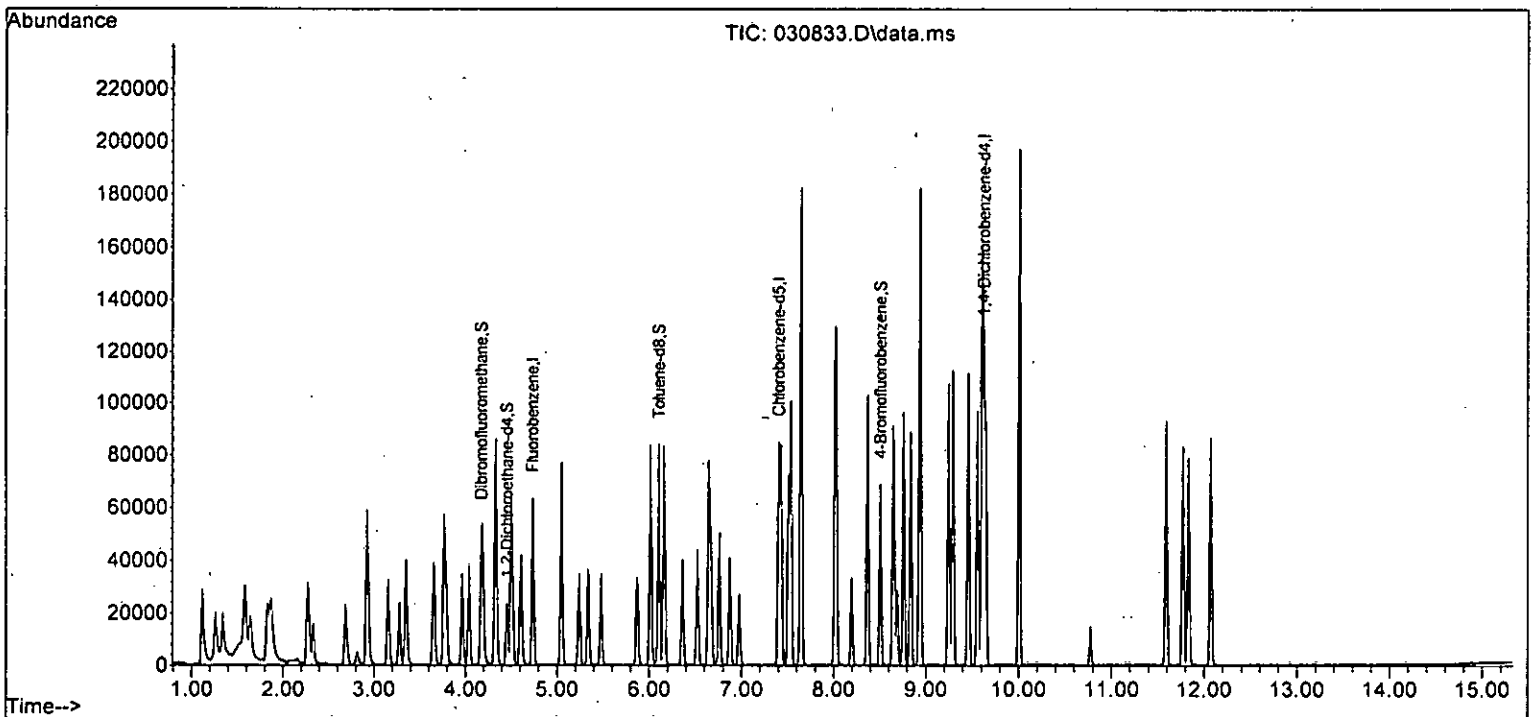
Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

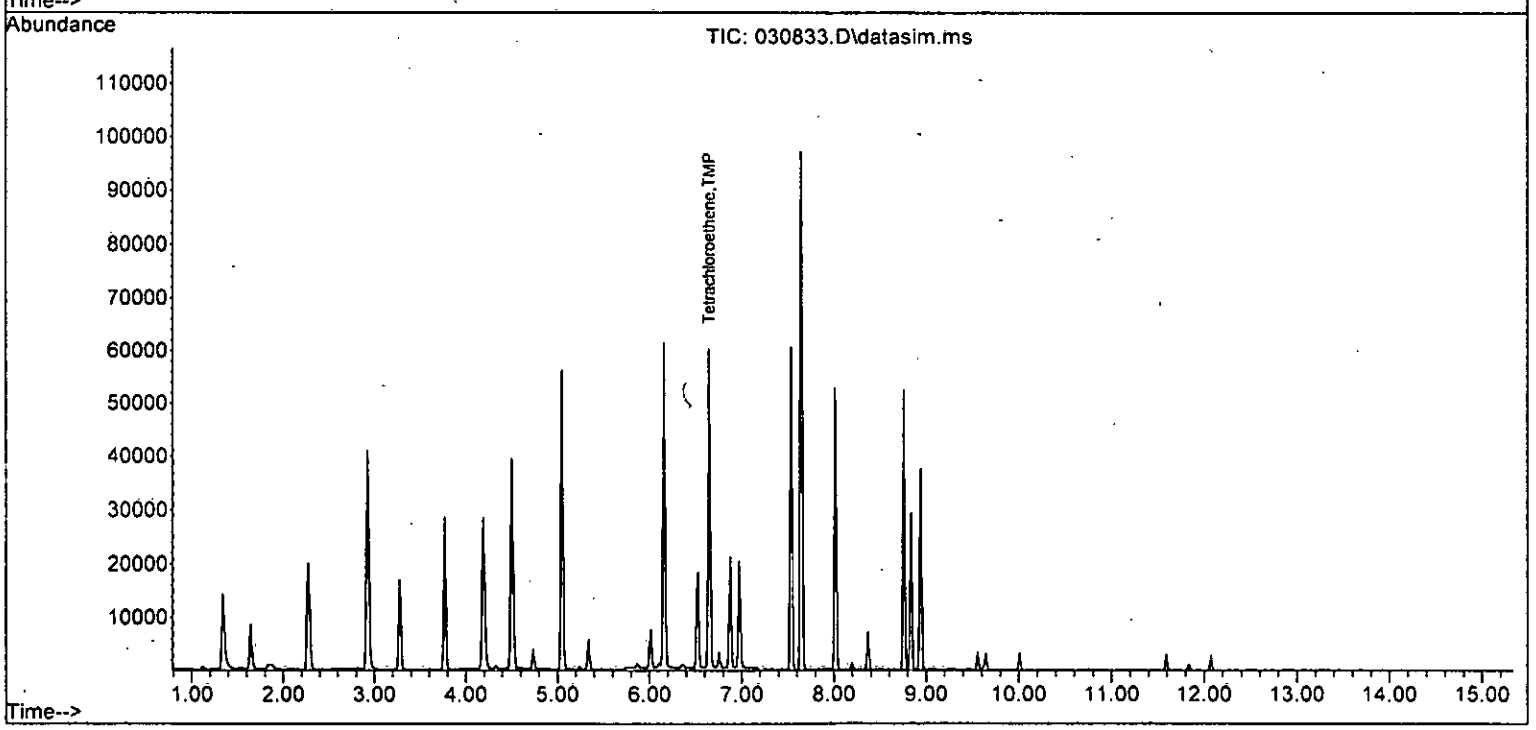
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	20398	10.100	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	100	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.354	-3.5	105	0.00
4	TMP	Dichlorodifluoromethane	10.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	10.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	10.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	10.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	10.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	10.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	50.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	10.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	10.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	10.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	50.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	10.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	10.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	10.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	10.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	10.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	10.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	10.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	50.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	10.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	10.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	10.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	10.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	10.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	9.956	0.4	107	0.00
31	TMP	Benzene	10.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	10.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	10.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	10.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	10.077	-0.8	99	0.00
36	TMP	Dibromomethane	10.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	50.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	10.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	101	0.00
40	TMP	Toluene	10.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	10.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	10.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	50.000	0.000	100.0#	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	10.000	10.100	-1.0	99	0.00
46	TMP	Dibromochloromethane	10.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	10.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	10.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	10.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	10.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	20.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	10.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	10.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	10.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	10.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	99	0.00
57	S	4-Bromofluorobenzene	10.000	10.108	-1.1	100	0.00
58	TMP	n-Propylbenzene	10.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	10.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	10.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	10.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	10.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	10.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	10.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	10.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	10.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	10.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	10.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	10.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	10.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	10.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	10.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	10.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	10.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	10.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	10.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	100	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.334	-3.7	105	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.063	1.6	107	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.960	-0.7	99	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	101	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : Y:\Proc_GCMS13\03-08-23\
Data File : 030833.D
Acq On : 08 Mar 2023 06:03 pm
Operator : lm
Sample : 10 ppb 8260 SCV 68-165C
Misc : soil/water
ALS Vial : 22 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:30:56 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.410	17.0	99	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
57	S	4-Bromofluorobenzene	0.603	0.610	-1.2	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

EPA 8260D
CCV Summaries

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	45289	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	42124	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22000	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	14945	10.569	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 105.70%				
30) 1,2-Dichloroethane-d4	4.45	102	2906	10.350	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.50%				
35) Toluene-d8	6.11	98	43750	10.375	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.70%				
57) 4-Bromofluorobenzene	8.51	95	14226	10.488	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 104.90%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.11	85	34904	10.562	ppb		100
5) Chloromethane	1.25	50	21057	9.302	ppb		84
6] Vinyl chloride	1.32	62	22384	8.913	ppb		94
7) Bromomethane	1.56	94	18158	8.131	ppb		88
8] Chloroethane	1.65	64	10815	8.830	ppb		99
9) Trichlorofluoromethane	1.84	101	60723	10.161	ppb		99
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	5763	56.558	ppb		88
12] 1,1-Dichloroethene	2.27	96	20654	10.360	ppb		87
13) Hexane	3.16	57	11163	10.691	ppb		94
14) Methylene chloride	2.68	84	9999	9.388	ppb		90
15) t-Butyl alcohol (TBA)	2.82	59	4833	51.464	ppb		98
16] Methyl t-butyl ether (...	2.93	73	25643	10.255	ppb		97
17] trans-1,2-Dichloroethene	2.91	96	12874	9.998	ppb		91
18) Diisopropyl ether (DIPE)	3.34	45	21760	9.984	ppb		99
19] 1,1-Dichloroethane	3.27	63	14757	9.969	ppb		95
20) Ethyl t-butyl ether (E...	3.65	87	12452	9.821	ppb		93
21) 2,2-Dichloropropane	3.76	77	12248	10.824	ppb		98
22] cis-1,2-Dichloroethene	3.77	96	13935	10.194	ppb		92
23) Chloroform	4.04	83	18623	9.571	ppb		96
24) 2-Butanone (MEK)	3.78	43	19110	47.368	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	23880	10.214	ppb		95
26] 1,2-Dichloroethane (EDC)	4.52	62	12154	9.484	ppb		94
27] 1,1,1-Trichloroethane	4.19	97	20640	10.440	ppb		94
28) 1,1-Dichloropropene	4.32	75	13412	10.097	ppb		95
29) Carbon tetrachloride	4.32	117	22178	9.536	ppb		97
31] Benzene	4.50	78	38660	10.080	ppb		96
32] Trichloroethene	5.04	95	13926	9.795	ppb	#	78
33) 1,2-Dichloropropane	5.24	63	7915	10.108	ppb		99
34) Bromodichloromethane	5.48	83	13462	8.939	ppb		95
36) Dibromomethane	5.34	93	7754	9.986	ppb		93

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

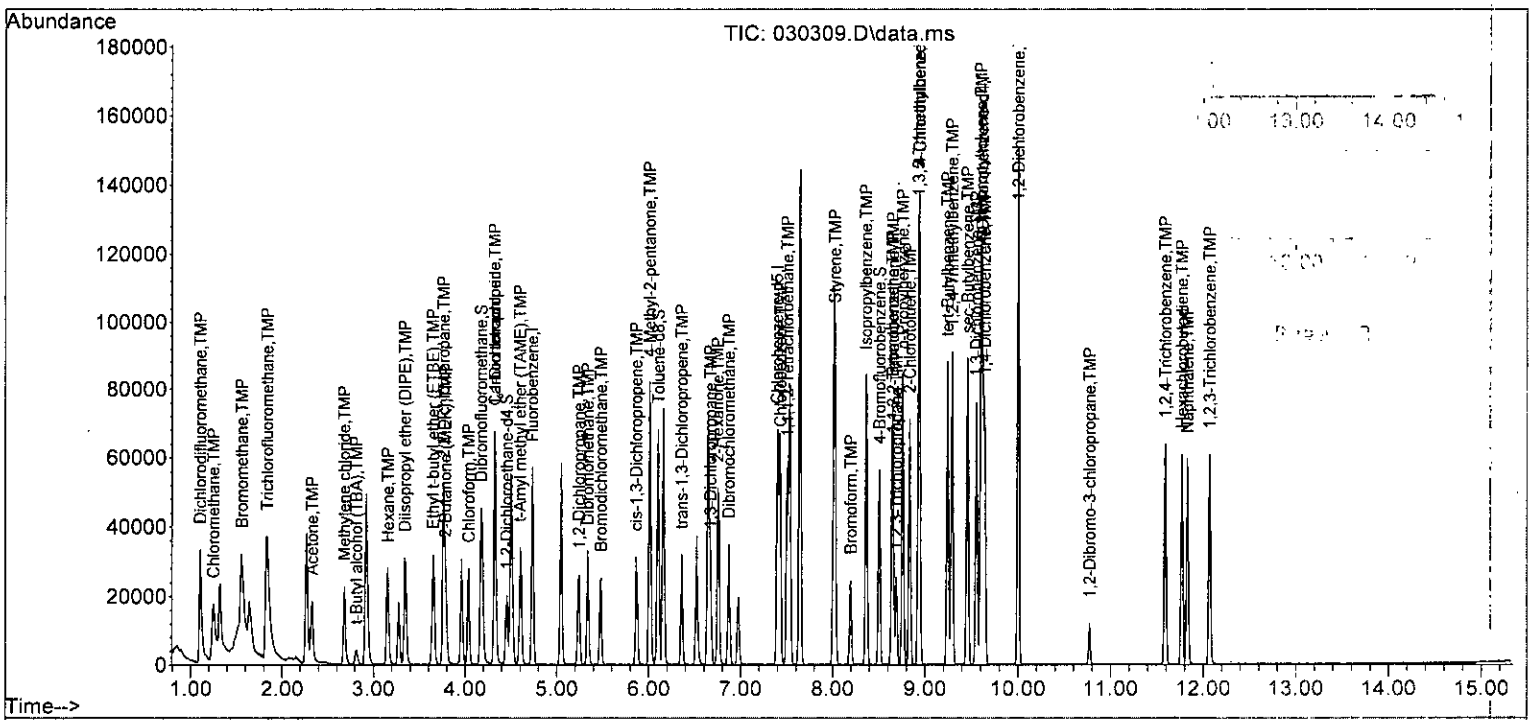
Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

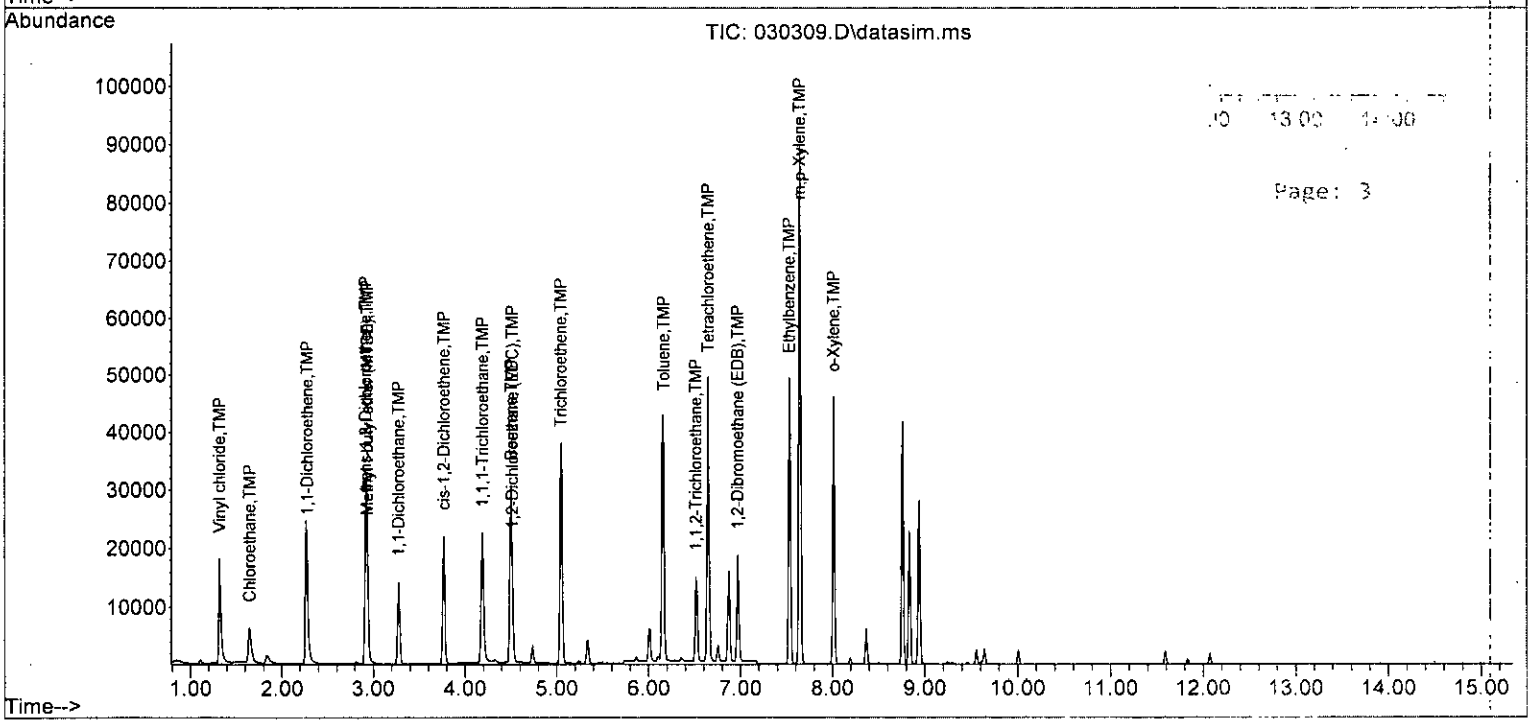
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	10149	52.152	ppb		97
38) cis-1,3-Dichloropropene	5.86	75	14339	10.353	ppb		93
40] Toluene	6.16	92	28399	9.533	ppb		97
41) trans-1,3-Dichloropropene	6.36	75	13479	10.116	ppb		94
42] 1,1,2-Trichloroethane	6.51	83	8011	9.375	ppb	#	74
43) 2-Hexanone	6.75	43	30264	49.767	ppb		97
44) 1,3-Dichloropropane	6.67	76	13401	9.361	ppb		90
45] Tetrachloroethene	6.65	164	17155	9.471	ppb		98
46) Dibromochloromethane	6.87	129	17347	9.421	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	13015	9.337	ppb		97
48) Chlorobenzene	7.43	112	38617	9.480	ppb		99
49] Ethylbenzene	7.53	91	52305	9.728	ppb		92
50) 1,1,1,2-Tetrachloroethane	7.51	131	16383	9.949	ppb		99
51] m,p-Xylene	7.64	106	46672	19.695	ppb		84
52] o-Xylene	8.01	106	22505	9.790	ppb		82
53) Styrene	8.03	104	34575	9.603	ppb		98
54) Isopropylbenzene	8.36	105	55565	9.471	ppb		99
55) Bromoform	8.20	173	11652	9.392	ppb		93
58) n-Propylbenzene	8.76	91	55112	10.566	ppb		98
59) Bromobenzene	8.65	156	18937	10.044	ppb		97
60) 1,3,5-Trimethylbenzene	8.93	105	44976	10.505	ppb		97
61) 1,1,2,2-Tetrachloroethane	8.65	83	11359	10.653	ppb		96
62) 1,2,3-Trichloropropane	8.69	75	7979	9.941	ppb		98
63) 2-Chlorotoluene	8.84	91	31981	10.833	ppb		99
64) 4-Chlorotoluene	8.94	91	36628	10.370	ppb		99
65) tert-Butylbenzene	9.24	119	46154	10.214	ppb		97
66) 1,2,4-Trimethylbenzene	9.29	105	45570	10.405	ppb		100
67) sec-Butylbenzene	9.46	105	57670	10.355	ppb		100
68) p-Isopropyltoluene	9.60	119	57309	10.445	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	33542	9.936	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	33550	10.345	ppb		99
71) 1,2-Dichlorobenzene	10.01	146	31277	9.789	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	1876	10.095	ppb		96
73) 1,2,4-Trichlorobenzene	11.59	180	21296	10.036	ppb		97
74) Hexachlorobutadiene	11.77	225	13286	10.066	ppb		99
75) Naphthalene	11.83	128	46257	11.661	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	19800	11.007	ppb		97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
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Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	68	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.569	-5.7	76	0.00
4	TMP	Dichlorodifluoromethane	10.000	10.562	-5.6	75	0.00
5	TMP	Chloromethane	10.000	9.302	7.0	71	0.00
6	TMP	Vinyl chloride	10.000	8.913	10.9	69	-0.01
7	TMP	Bromomethane	10.000	8.131	18.7	61	-0.01
8	TMP	Chloroethane	10.000	8.830	11.7	67	-0.01
9	TMP	Trichlorofluoromethane	10.000	10.161	-1.6	73	0.00
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	50.000	56.558	-13.1	81	0.00
12	TMP	1,1-Dichloroethene	10.000	10.360	-3.6	75	0.00
13	TMP	Hexane	10.000	10.691	-6.9	79	0.00
14	TMP	Methylene chloride	10.000	9.388	6.1	67	-0.01
15	TMP	t-Butyl alcohol (TBA)	50.000	51.464	-2.9	77	0.00
16	TMP	Methyl t-butyl ether (MTBE)	10.000	10.255	-2.6	76	0.00
17	TMP	trans-1,2-Dichloroethene	10.000	9.998	0.0	74	-0.01
18	TMP	Diisopropyl ether (DIPE)	10.000	9.984	0.2	72	-0.01
19	TMP	1,1-Dichloroethane	10.000	9.969	0.3	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	9.821	1.8	76	-0.01
21	TMP	2,2-Dichloropropane	10.000	10.824	-8.2	88	0.00
22	TMP	cis-1,2-Dichloroethene	10.000	10.194	-1.9	74	0.00
23	TMP	Chloroform	10.000	9.571	4.3	70	0.00
24	TMP	2-Butanone (MEK)	50.000	47.368	5.3	67	-0.01
25	TMP	t-Amyl methyl ether (TAME)	10.000	10.214	-2.1	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	10.000	9.484	5.2	69	0.00
27	TMP	1,1,1-Trichloroethane	10.000	10.440	-4.4	77	0.00
28	TMP	1,1-Dichloropropene	10.000	10.097	-1.0	76	-0.01
29	TMP	Carbon tetrachloride	10.000	9.536	4.6	77	-0.01
30	S	1,2-Dichloroethane-d4	10.000	10.350	-3.5	69	0.00
31	TMP	Benzene	10.000	10.080	-0.8	73	0.00
32	TMP	Trichloroethene	10.000	9.795	2.1	69	-0.01
33	TMP	1,2-Dichloropropane	10.000	10.108	-1.1	73	0.00
34	TMP	Bromodichloromethane	10.000	8.939	10.6	72	0.00
35	S	Toluene-d8	10.000	10.375	-3.8	76	0.00
36	TMP	Dibromomethane	10.000	9.986	0.1	73	0.00
37	TMP	4-Methyl-2-pentanone	50.000	52.152	-4.3	76	0.00
38	TMP	cis-1,3-Dichloropropene	10.000	10.353	-3.5	78	-0.01
39	I	Chlorobenzene-d5	10.000	10.000	0.0	75	0.00
40	TMP	Toluene	10.000	9.533	4.7	73	0.00
41	TMP	trans-1,3-Dichloropropene	10.000	10.116	-1.2	80	0.00
42	TMP	1,1,2-Trichloroethane	10.000	9.375	6.3	72	-0.01
43	TMP	2-Hexanone	50.000	49.767	0.5	77	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	9.361	6.4	75	0.00
45	TMP	Tetrachloroethene	10.000	9.471	5.3	72	0.00
46	TMP	Dibromochloromethane	10.000	9.421	5.8	75	0.00
47	TMP	1,2-Dibromoethane (EDB)	10.000	9.337	6.6	73	0.00
48	TMP	Chlorobenzene	10.000	9.480	5.2	72	0.00
49	TMP	Ethylbenzene	10.000	9.728	2.7	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	10.000	9.949	0.5	76	0.00
51	TMP	m,p-Xylene	20.000	19.695	1.5	74	0.00
52	TMP	o-Xylene	10.000	9.790	2.1	74	0.00
53	TMP	Styrene	10.000	9.603	4.0	74	0.00
54	TMP	Isopropylbenzene	10.000	9.471	5.3	73	0.00
55	TMP	Bromoform	10.000	9.392	6.1	75	0.00
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	69	0.00
57	S	4-Bromofluorobenzene	10.000	10.488	-4.9	72	0.00
58	TMP	n-Propylbenzene	10.000	10.566	-5.7	73	0.00
59	TMP	Bromobenzene	10.000	10.044	-0.4	71	0.00
60	TMP	1,3,5-Trimethylbenzene	10.000	10.505	-5.1	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	10.000	10.653	-6.5	78	0.00
62	TMP	1,2,3-Trichloropropane	10.000	9.941	0.6	70	0.00
63	TMP	2-Chlorotoluene	10.000	10.833	-8.3	72	0.00
64	TMP	4-Chlorotoluene	10.000	10.370	-3.7	72	0.00
65	TMP	tert-Butylbenzene	10.000	10.214	-2.1	71	0.00
66	TMP	1,2,4-Trimethylbenzene	10.000	10.405	-4.0	71	0.00
67	TMP	sec-Butylbenzene	10.000	10.355	-3.6	71	0.00
68	TMP	p-Isopropyltoluene	10.000	10.445	-4.5	71	0.00
69	TMP	1,3-Dichlorobenzene	10.000	9.936	0.6	70	0.00
70	TMP	1,4-Dichlorobenzene	10.000	10.345	-3.5	73	0.00
71	TMP	1,2-Dichlorobenzene	10.000	9.789	2.1	69	0.00
72	TMP	1,2-Dibromo-3-chloropropane	10.000	10.095	-1.0	79	0.00
73	TMP	1,2,4-Trichlorobenzene	10.000	10.036	-0.4	74	0.00
74	TMP	Hexachlorobutadiene	10.000	10.066	-0.7	72	0.00
75	TMP	Naphthalene	10.000	11.661	-16.6	83	0.00
76	TMP	1,2,3-Trichlorobenzene	10.000	11.007	-10.1	75	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	68	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.312	0.330	-5.8	76	0.00
4	TMP	Dichlorodifluoromethane	0.730	0.771	-5.6	75	0.00
5	TMP	Chloromethane	0.500	0.465	7.0	71	0.00
6	TMP	Vinyl chloride	0.532	0.494	7.1	69	-0.01
7	TMP	Bromomethane	0.491	0.401	18.3	61	-0.01
8	TMP	Chloroethane	0.247	0.239	3.2	67	-0.01
9	TMP	Trichlorofluoromethane	1.319	1.341	-1.7	73	0.00
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.025	0.025	0.0	81	0.00
12	TMP	1,1-Dichloroethene	0.440	0.456	-3.6	75	0.00
13	TMP	Hexane	0.231	0.246	-6.5	79	0.00
14	TMP	Methylene chloride	0.235	0.221	6.0	67	-0.01
15	TMP	t-Butyl alcohol (TBA)	0.021	0.021#	0.0	77	0.00
16	TMP	Methyl t-butyl ether (MTBE)	0.552	0.566	-2.5	76	0.00
17	TMP	trans-1,2-Dichloroethene	0.284	0.284	0.0	74	-0.01
18	TMP	Diisopropyl ether (DIPE)	0.481	0.480#	0.2	72	-0.01
19	TMP	1,1-Dichloroethane	0.327	0.326	0.3	73	0.00
20	TMP	Ethyl t-butyl ether (ETBE)	0.258	0.275	-6.6	76	-0.01
21	TMP	2,2-Dichloropropane	0.235	0.270	-14.9	88	0.00
22	TMP	cis-1,2-Dichloroethene	0.302	0.308	-2.0	74	0.00
23	TMP	Chloroform	0.430	0.411	4.4	70	0.00
24	TMP	2-Butanone (MEK)	0.089	0.084	5.6	67	-0.01
25	TMP	t-Amyl methyl ether (TAME)	0.516	0.527	-2.1	75	-0.01
26	TMP	1,2-Dichloroethane (EDC)	0.301	0.268	11.0	69	0.00
27	TMP	1,1,1-Trichloroethane	0.437	0.456	-4.3	77	0.00
28	TMP	1,1-Dichloropropene	0.293	0.296	-1.0	76	-0.01
29	TMP	Carbon tetrachloride	0.463	0.490	-5.8	77	-0.01
30	S	1,2-Dichloroethane-d4	0.062	0.064	-3.2	69	0.00
31	TMP	Benzene	0.876	0.854	2.5	73	0.00
32	TMP	Trichloroethene	0.338	0.307	9.2	69	-0.01
33	TMP	1,2-Dichloropropane	0.173	0.175	-1.2	73	0.00
34	TMP	Bromodichloromethane	0.300	0.297	1.0	72	0.00
35	S	Toluene-d8	0.931	0.966	-3.8	76	0.00
36	TMP	Dibromomethane	0.171	0.171	0.0	73	0.00
37	TMP	4-Methyl-2-pentanone	0.043	0.045	-4.7	76	0.00
38	TMP	cis-1,3-Dichloropropene	0.309	0.317	-2.6	78	-0.01
39	I	Chlorobenzene-d5	1.000	1.000	0.0	75	0.00
40	TMP	Toluene	0.764	0.674	11.8	73	0.00
41	TMP	trans-1,3-Dichloropropene	0.316	0.320	-1.3	80	0.00
42	TMP	1,1,2-Trichloroethane	0.203	0.190	6.4	72	-0.01
43	TMP	2-Hexanone	0.144	0.144	0.0	77	-0.01

Evaluate Continuing Calibration Report

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030309.D
Acq On : 03 Mar 2023 09:24 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-148N
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:49 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.340	0.318	6.5	75	0.00
45	TMP	Tetrachloroethene	0.452	0.407	10.0	72	0.00
46	TMP	Dibromochloromethane	0.437	0.412	5.7	75	0.00
47	TMP	1,2-Dibromoethane (EDB)	0.331	0.309	6.6	73	0.00
48	TMP	Chlorobenzene	0.967	0.917	5.2	72	0.00
49	TMP	Ethylbenzene	1.331	1.242	6.7	74	0.00
50	TMP	1,1,1,2-Tetrachloroethane	0.391	0.389	0.5	76	0.00
51	TMP	m,p-Xylene	0.590	0.554	6.1	74	0.00
52	TMP	o-Xylene	0.566	0.534	5.7	74	0.00
53	TMP	Styrene	0.855	0.821	4.0	74	0.00
54	TMP	Isopropylbenzene	1.393	1.319	5.3	73	0.00
55	TMP	Bromoform	0.295	0.277	6.1	75	0.00
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	69	0.00
57	S	4-Bromofluorobenzene	0.617	0.647	-4.9	72	0.00
58	TMP	n-Propylbenzene	2.371	2.505	-5.7	73	0.00
59	TMP	Bromobenzene	0.857	0.861	-0.5	71	0.00
60	TMP	1,3,5-Trimethylbenzene	1.946	2.044	-5.0	72	0.00
61	TMP	1,1,2,2-Tetrachloroethane	0.473	0.516	-9.1	78	0.00
62	TMP	1,2,3-Trichloropropane	0.365	0.363#	0.5	70	0.00
63	TMP	2-Chlorotoluene	1.399	1.454	-3.9	72	0.00
64	TMP	4-Chlorotoluene	1.606	1.665	-3.7	72	0.00
65	TMP	tert-Butylbenzene	2.054	2.098	-2.1	71	0.00
66	TMP	1,2,4-Trimethylbenzene	1.991	2.071	-4.0	71	0.00
67	TMP	sec-Butylbenzene	2.531	2.621	-3.6	71	0.00
68	TMP	p-Isopropyltoluene	2.494	2.605	-4.5	71	0.00
69	TMP	1,3-Dichlorobenzene	1.534	1.525	0.6	70	0.00
70	TMP	1,4-Dichlorobenzene	1.474	1.525	-3.5	73	0.00
71	TMP	1,2-Dichlorobenzene	1.452	1.422	2.1	69	0.00
72	TMP	1,2-Dibromo-3-chloropropane	0.084	0.085	-1.2	79	0.00
73	TMP	1,2,4-Trichlorobenzene	0.965	0.968	-0.3	74	0.00
74	TMP	Hexachlorobutadiene	0.600	0.604	-0.7	72	0.00
75	TMP	Naphthalene	1.920	2.103	-9.5	83	0.00
76	TMP	1,2,3-Trichlorobenzene	0.860	0.900	-4.7	75	0.00

(#) = Out of Range SPCC's out = 4 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	54158	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	48586	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	28990	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18105	10.374	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%			
30) 1,2-Dichloroethane-d4	4.45	102	3564	10.362	ppb	0.00
Spiked Amount 10.000	Range 84 - 120		Recovery = 103.60%			
35) Toluene-d8	6.10	98	51002	9.883	ppb	0.00
Spiked Amount 10.000	Range 73 - 128		Recovery = 98.80%			
57) 4-Bromofluorobenzene	8.51	95	17479	9.997	ppb	0.00
Spiked Amount 10.000	Range 57 - 146		Recovery = 100.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.	d	
5) Chloromethane	0.00		0	N.D.	d	
6) Vinyl chloride	0.00		0	N.D.	d	
7) Bromomethane	0.00		0	N.D.	d	
8) Chloroethane	0.00		0	N.D.	d	
9) Trichlorofluoromethane	0.00		0	N.D.	d	
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	d	
16) Methyl t-butyl ether (...	0.00		0	N.D.	d	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	d	
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	d	
21) 2,2-Dichloropropane	0.00		0	N.D.	d	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.	d	
24) 2-Butanone (MEK)	0.00		0	N.D.	d	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	d	
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.	d	
29) Carbon tetrachloride	0.00		0	N.D.	d	
31) Benzene	0.00		0	N.D.	d	
32) Trichloroethene	0.00		0	N.D.	d	
33) 1,2-Dichloropropane	0.00		0	N.D.	d	
34) Bromodichloromethane	0.00		0	N.D.	d	
36) Dibromomethane	0.00		0	N.D.	d	

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

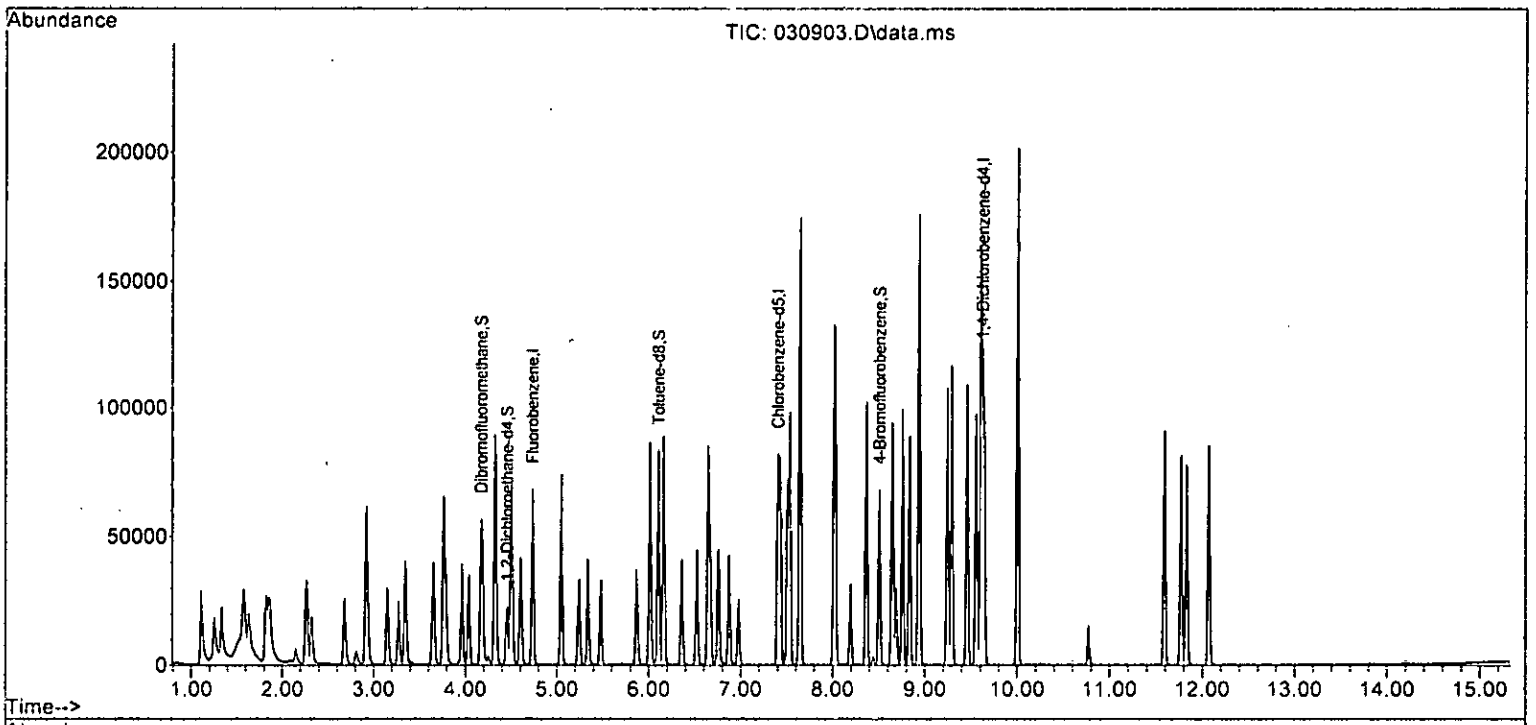
Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

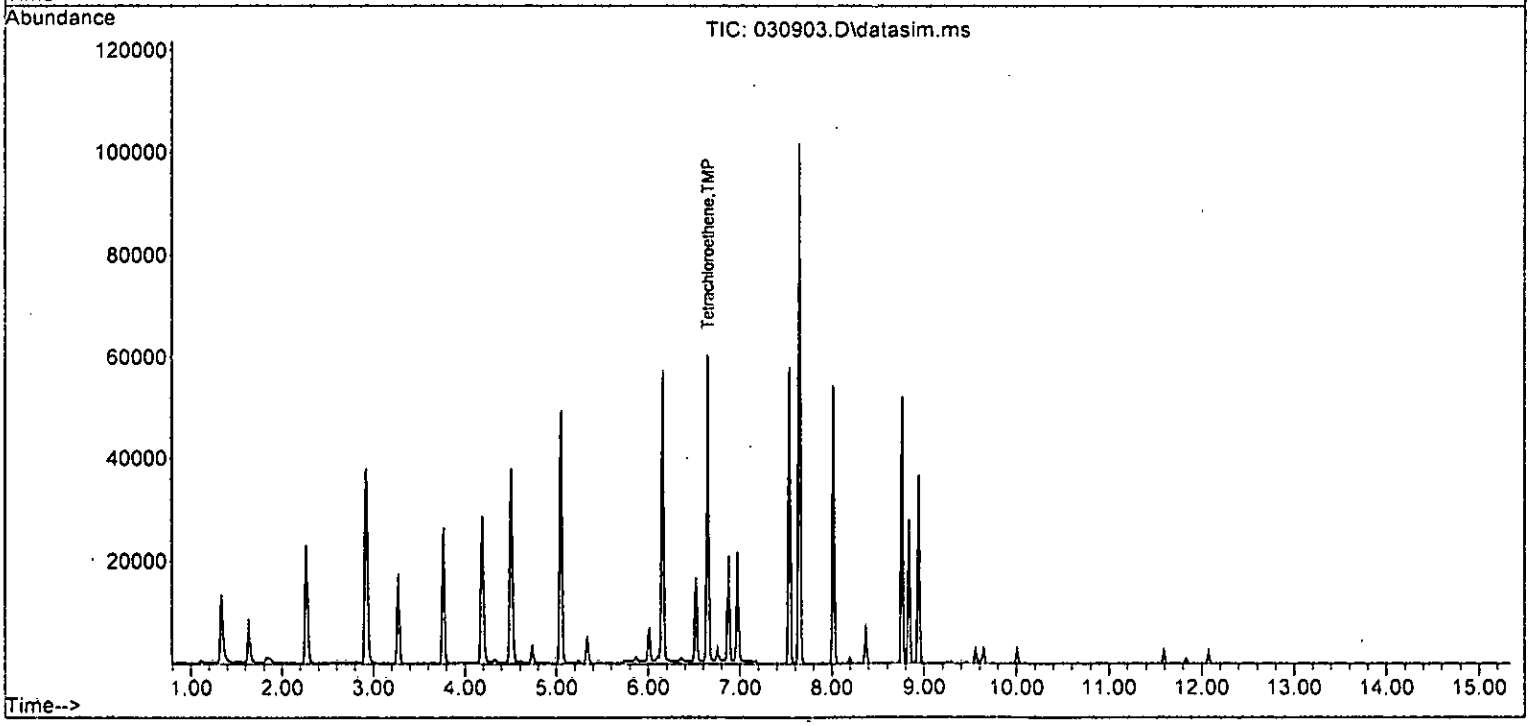
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	d	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	d	
40) Toluene	0.00		0	N.D.	d	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	d	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	d	
43) 2-Hexanone	0.00		0	N.D.	d	
44) 1,3-Dichloropropane	0.00		0	N.D.	d	
45] Tetrachloroethene	6.65	164	20491	10.392	ppb	99
46) Dibromochloromethane	0.00		0	N.D.	d	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	d	
48) Chlorobenzene	0.00		0	N.D.	d	
49) Ethylbenzene	0.00		0	N.D.	d	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	d	
51) m,p-Xylene	0.00		0	N.D.	d	
52) o-Xylene	0.00		0	N.D.	d	
53) Styrene	0.00		0	N.D.	d	
54) Isopropylbenzene	0.00		0	N.D.	d	
55) Bromoform	0.00		0	N.D.	d	
58) n-Propylbenzene	0.00		0	N.D.	d	
59) Bromobenzene	0.00		0	N.D.	d	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	d	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	d	
62) 1,2,3-Trichloropropane	0.00		0	N.D.	d	
63) 2-Chlorotoluene	0.00		0	N.D.	d	
64) 4-Chlorotoluene	0.00		0	N.D.	d	
65) tert-Butylbenzene	0.00		0	N.D.	d	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	d	
67) sec-Butylbenzene	0.00		0	N.D.	d	
68) p-Isopropyltoluene	0.00		0	N.D.	d	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	d	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	d	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	d	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	d	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	d	
74) Hexachlorobutadiene	0.00		0	N.D.	d	
75) Naphthalene	0.00		0	N.D.	d	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	d	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	10.000	10.000	0.0	101	0.00
2	TMP	Ethanol	-1.000	0.000	0.0	0	-2.34#
3	S	Dibromofluoromethane	10.000	10.374	-3.7	107	0.00
4	TMP	Dichlorodifluoromethane	10.000	0.000	100.0#	0	-1.11#
5	TMP	Chloromethane	10.000	0.000	100.0#	0	-1.25#
6	TMP	Vinyl chloride	10.000	0.000	100.0#	0	-1.34#
7	TMP	Bromomethane	10.000	0.000	100.0#	0	-1.58#
8	TMP	Chloroethane	10.000	0.000	100.0#	0	-1.64#
9	TMP	Trichlorofluoromethane	10.000	0.000	100.0#	0	-1.83#
10	TMP	2-Propanol	-1.000	0.000	0.0	0	-2.34#
11	TMP	Acetone	50.000	0.000	100.0#	0	-2.32#
12	TMP	1,1-Dichloroethene	10.000	0.000	100.0#	0	-2.26#
13	TMP	Hexane	10.000	0.000	100.0#	0	-3.16#
14	TMP	Methylene chloride	10.000	0.000	100.0#	0	-2.68#
15	TMP	t-Butyl alcohol (TBA)	50.000	0.000	100.0#	0	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	10.000	0.000	100.0#	0	-2.92#
17	TMP	trans-1,2-Dichloroethene	10.000	0.000	100.0#	0	-2.91#
18	TMP	Diisopropyl ether (DIPE)	10.000	0.000	100.0#	0	-3.34#
19	TMP	1,1-Dichloroethane	10.000	0.000	100.0#	0	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	10.000	0.000	100.0#	0	-3.65#
21	TMP	2,2-Dichloropropane	10.000	0.000	100.0#	0	-3.76#
22	TMP	cis-1,2-Dichloroethene	10.000	0.000	100.0#	0	-3.77#
23	TMP	Chloroform	10.000	0.000	100.0#	0	-4.04#
24	TMP	2-Butanone (MEK)	50.000	0.000	100.0#	0	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	10.000	0.000	100.0#	0	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	10.000	0.000	100.0#	0	-4.51#
27	TMP	1,1,1-Trichloroethane	10.000	0.000	100.0#	0	-4.19#
28	TMP	1,1-Dichloropropene	10.000	0.000	100.0#	0	-4.32#
29	TMP	Carbon tetrachloride	10.000	0.000	100.0#	0	-4.32#
30	S	1,2-Dichloroethane-d4	10.000	10.362	-3.6	113	0.00
31	TMP	Benzene	10.000	0.000	100.0#	0	-4.50#
32	TMP	Trichloroethene	10.000	0.000	100.0#	0	-5.04#
33	TMP	1,2-Dichloropropane	10.000	0.000	100.0#	0	-5.24#
34	TMP	Bromodichloromethane	10.000	0.000	100.0#	0	-5.48#
35	S	Toluene-d8	10.000	9.883	1.2	99	0.00
36	TMP	Dibromomethane	10.000	0.000	100.0#	0	-5.34#
37	TMP	4-Methyl-2-pentanone	50.000	0.000	100.0#	0	-6.01#
38	TMP	cis-1,3-Dichloropropene	10.000	0.000	100.0#	0	-5.86#
39	I	Chlorobenzene-d5	10.000	10.000	0.0	99	0.00
40	TMP	Toluene	10.000	0.000	100.0#	0	-6.16#
41	TMP	trans-1,3-Dichloropropene	10.000	0.000	100.0#	0	-6.36#
42	TMP	1,1,2-Trichloroethane	10.000	0.000	100.0#	0	-6.51#
43	TMP	2-Hexanone	50.000	0.000	100.0#	0	-6.76#

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	10.000	0.000	100.0#	0	-6.67#
45	TMP	Tetrachloroethene	10.000	10.392	-3.9	100	0.00
46	TMP	Dibromochloromethane	10.000	0.000	100.0#	0	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	10.000	0.000	100.0#	0	-6.97#
48	TMP	Chlorobenzene	10.000	0.000	100.0#	0	-7.43#
49	TMP	Ethylbenzene	10.000	0.000	100.0#	0	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	10.000	0.000	100.0#	0	-7.51#
51	TMP	m,p-Xylene	20.000	0.000	100.0#	0	-7.65#
52	TMP	o-Xylene	10.000	0.000	100.0#	0	-8.02#
53	TMP	Styrene	10.000	0.000	100.0#	0	-8.03#
54	TMP	Isopropylbenzene	10.000	0.000	100.0#	0	-8.37#
55	TMP	Bromoform	10.000	0.000	100.0#	0	-8.20#
56	I	1,4-Dichlorobenzene-d4	10.000	10.000	0.0	99	0.00
57	S	4-Bromofluorobenzene	10.000	9.997	0.0	100	0.00
58	TMP	n-Propylbenzene	10.000	0.000	100.0#	0	-8.76#
59	TMP	Bromobenzene	10.000	0.000	100.0#	0	-8.65#
60	TMP	1,3,5-Trimethylbenzene	10.000	0.000	100.0#	0	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	10.000	0.000	100.0#	0	-8.65#
62	TMP	1,2,3-Trichloropropane	10.000	0.000	100.0#	0	-8.69#
63	TMP	2-Chlorotoluene	10.000	0.000	100.0#	0	-8.84#
64	TMP	4-Chlorotoluene	10.000	0.000	100.0#	0	-8.94#
65	TMP	tert-Butylbenzene	10.000	0.000	100.0#	0	-9.25#
66	TMP	1,2,4-Trimethylbenzene	10.000	0.000	100.0#	0	-9.29#
67	TMP	sec-Butylbenzene	10.000	0.000	100.0#	0	-9.46#
68	TMP	p-Isopropyltoluene	10.000	0.000	100.0#	0	-9.60#
69	TMP	1,3-Dichlorobenzene	10.000	0.000	100.0#	0	-9.55#
70	TMP	1,4-Dichlorobenzene	10.000	0.000	100.0#	0	-9.64#
71	TMP	1,2-Dichlorobenzene	10.000	0.000	100.0#	0	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	10.000	0.000	100.0#	0	-10.77#
73	TMP	1,2,4-Trichlorobenzene	10.000	0.000	100.0#	0	-11.59#
74	TMP	Hexachlorobutadiene	10.000	0.000	100.0#	0	-11.77#
75	TMP	Naphthalene	10.000	0.000	100.0#	0	-11.83#
76	TMP	1,2,3-Trichlorobenzene	10.000	0.000	100.0#	0	-12.07#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	101	0.00
2	TMP	Ethanol	0.000	0.000#	0.0	0#	-2.34#
3	S	Dibromofluoromethane	0.322	0.334	-3.7	107	0.00
4	TMP	Dichlorodifluoromethane	0.683	0.000#	100.0#	0#	-1.11#
5	TMP	Chloromethane	0.413	0.000#	100.0#	0#	-1.25#
6	TMP	Vinyl chloride	0.471	0.000#	100.0#	0#	-1.34#
7	TMP	Bromomethane	0.388	0.000#	100.0#	0#	-1.58#
8	TMP	Chloroethane	0.215	0.000#	100.0#	0#	-1.64#
9	TMP	Trichlorofluoromethane	0.855	0.000#	100.0#	0#	-1.83#
10	TMP	2-Propanol	0.000	0.000	0.0	0#	-2.34#
11	TMP	Acetone	0.019	0.000#	100.0#	0#	-2.32#
12	TMP	1,1-Dichloroethene	0.365	0.000#	100.0#	0#	-2.26#
13	TMP	Hexane	0.229	0.000#	100.0#	0#	-3.16#
14	TMP	Methylene chloride	0.250	0.000#	100.0#	0#	-2.68#
15	TMP	t-Butyl alcohol (TBA)	0.021	0.000#	100.0#	0#	-2.82#
16	TMP	Methyl t-butyl ether (MTBE)	0.637	0.000#	100.0#	0#	-2.92#
17	TMP	trans-1,2-Dichloroethene	0.302	0.000#	100.0#	0#	-2.91#
18	TMP	Diisopropyl ether (DIPE)	0.502	0.000#	100.0#	0#	-3.34#
19	TMP	1,1-Dichloroethane	0.353	0.000#	100.0#	0#	-3.27#
20	TMP	Ethyl t-butyl ether (ETBE)	0.294	0.000#	100.0#	0#	-3.65#
21	TMP	2,2-Dichloropropane	0.256	0.000#	100.0#	0#	-3.76#
22	TMP	cis-1,2-Dichloroethene	0.335	0.000#	100.0#	0#	-3.77#
23	TMP	Chloroform	0.455	0.000#	100.0#	0#	-4.04#
24	TMP	2-Butanone (MEK)	0.084	0.000#	100.0#	0#	-3.78#
25	TMP	t-Amyl methyl ether (TAME)	0.564	0.000#	100.0#	0#	-4.60#
26	TMP	1,2-Dichloroethane (EDC)	0.320	0.000#	100.0#	0#	-4.51#
27	TMP	1,1,1-Trichloroethane	0.496	0.000#	100.0#	0#	-4.19#
28	TMP	1,1-Dichloropropene	0.300	0.000#	100.0#	0#	-4.32#
29	TMP	Carbon tetrachloride	0.510	0.000#	100.0#	0#	-4.32#
30	S	1,2-Dichloroethane-d4	0.064	0.066	-3.1	113	0.00
31	TMP	Benzene	1.041	0.000#	100.0#	0#	-4.50#
32	TMP	Trichloroethene	0.389	0.000#	100.0#	0#	-5.04#
33	TMP	1,2-Dichloropropane	0.182	0.000#	100.0#	0#	-5.24#
34	TMP	Bromodichloromethane	0.387	0.000#	100.0#	0#	-5.48#
35	S	Toluene-d8	0.953	0.942	1.2	99	0.00
36	TMP	Dibromomethane	0.179	0.000#	100.0#	0#	-5.34#
37	TMP	4-Methyl-2-pentanone	0.040	0.000#	100.0#	0#	-6.01#
38	TMP	cis-1,3-Dichloropropene	0.397	0.000#	100.0#	0#	-5.86#
39	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
40	TMP	Toluene	0.913	0.000#	100.0#	0#	-6.16#
41	TMP	trans-1,3-Dichloropropene	0.328	0.000#	100.0#	0#	-6.36#
42	TMP	1,1,2-Trichloroethane	0.200	0.000#	100.0#	0#	-6.51#
43	TMP	2-Hexanone	0.119	0.000#	100.0#	0#	-6.76#

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030903.D
Acq On : 09 Mar 2023 06:03 am
Operator : lm
Sample : 10 ppb 8260 CCV 68-136N
Misc : soil/water
ALS Vial : 1 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 10:53:08 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
44	TMP	1,3-Dichloropropane	0.330	0.000#	100.0#	0#	-6.67#
45	TMP	Tetrachloroethene	0.494	0.422	14.6	100	0.00
46	TMP	Dibromochloromethane	0.450	0.000#	100.0#	0#	-6.87#
47	TMP	1,2-Dibromoethane (EDB)	0.358	0.000#	100.0#	0#	-6.97#
48	TMP	Chlorobenzene	0.968	0.000#	100.0#	0#	-7.43#
49	TMP	Ethylbenzene	1.610	0.000#	100.0#	0#	-7.54#
50	TMP	1,1,1,2-Tetrachloroethane	0.411	0.000#	100.0#	0#	-7.51#
51	TMP	m,p-Xylene	0.720	0.000#	100.0#	0#	-7.65#
52	TMP	o-Xylene	0.727	0.000#	100.0#	0#	-8.02#
53	TMP	Styrene	0.863	0.000#	100.0#	0#	-8.03#
54	TMP	Isopropylbenzene	1.416	0.000#	100.0#	0#	-8.37#
55	TMP	Bromoform	0.290	0.000#	100.0#	0#	-8.20#
56	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
57	S	4-Bromofluorobenzene	0.603	0.603	0.0	100	0.00
58	TMP	n-Propylbenzene	2.346	0.000#	100.0#	0#	-8.76#
59	TMP	Bromobenzene	0.845	0.000#	100.0#	0#	-8.65#
60	TMP	1,3,5-Trimethylbenzene	1.958	0.000#	100.0#	0#	-8.93#
61	TMP	1,1,2,2-Tetrachloroethane	0.477	0.000#	100.0#	0#	-8.65#
62	TMP	1,2,3-Trichloropropane	0.332	0.000#	100.0#	0#	-8.69#
63	TMP	2-Chlorotoluene	1.410	0.000#	100.0#	0#	-8.84#
64	TMP	4-Chlorotoluene	1.613	0.000#	100.0#	0#	-8.94#
65	TMP	tert-Butylbenzene	2.049	0.000#	100.0#	0#	-9.25#
66	TMP	1,2,4-Trimethylbenzene	2.070	0.000#	100.0#	0#	-9.29#
67	TMP	sec-Butylbenzene	2.550	0.000#	100.0#	0#	-9.46#
68	TMP	p-Isopropyltoluene	2.561	0.000#	100.0#	0#	-9.60#
69	TMP	1,3-Dichlorobenzene	1.529	0.000#	100.0#	0#	-9.55#
70	TMP	1,4-Dichlorobenzene	1.531	0.000#	100.0#	0#	-9.64#
71	TMP	1,2-Dichlorobenzene	1.503	0.000#	100.0#	0#	-10.01#
72	TMP	1,2-Dibromo-3-chloropropane	0.082	0.000#	100.0#	0#	-10.77#
73	TMP	1,2,4-Trichlorobenzene	1.076	0.000#	100.0#	0#	-11.59#
74	TMP	Hexachlorobutadiene	0.627	0.000#	100.0#	0#	-11.77#
75	TMP	Naphthalene	2.387	0.000#	100.0#	0#	-11.83#
76	TMP	1,2,3-Trichlorobenzene	1.004	0.000#	100.0#	0#	-12.07#

(#) = Out of Range SPCC's out = 67 CCC's out = 0

EPA 8260D
Quality Assurance Data

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst13\VB021423ms13.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration

Non-Spiked Sample: 030325.D

	Spike Sample	Spike Duplicate Sample
File ID :	030331.D	030331.D
Sample :	302330-02 ms	302330-02 ms
Acq Time:	03 Mar 2023 05:54 pm	03 Mar 2023 05:54 pm

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	11	11	114	114	0	20	70-130
Chloromethane	0.8	10	10	10	96	96	0	20	70-130
Vinyl chloride	0.0	10	10	10	98	98	0	20	70-130
Bromomethane	0.0	10	11	11	105	105	0	20	28-182
Chloroethane	0.0	10	10	10	104	104	0	20	70-130
Trichlorofluorometha	0.0	10	10	10	101	101	0	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	2.1	50	58	58	111	111	0	20	42-155
1,1-Dichloroethene	0.0	10	11	11	114	114	0	20	42-155
Hexane	0.0	10	10	10	102	102	0	20	50-161
Methylene chloride	1.0	10	11	11	100	100	0	20	29-192
t-Butyl alcohol (TBA	0.0	50	58	58	117	117	0	20	49-206
Methyl t-butyl ether	0.0	10	12	12	116	116	0	20	70-130
trans-1,2-Dichloroet	0.3	10	11	11	108	108	0	20	70-130
Diisopropyl ether (D	0.0	10	11	11	109	109	0	20	70-130
1,1-Dichloroethane	0.0	10	11	11	109	109	0	20	70-130
Ethyl t-butyl ether	0.0	10	11	11	108	108	0	20	70-130
2,2-Dichloropropane	0.0	10	10	10	103	103	0	20	70-130
cis-1,2-Dichloroethe	1.5	10	13	13	112	112	0	20	70-130
Chloroform	0.0	10	11	11	105	105	0	20	70-130
2-Butanone (MEK)	0.4	50	51	51	101	101	0	20	50-157
t-Amyl methyl ether	0.0	10	11	11	112	112	0	20	70-130
1,2-Dichloroethane (I	0.0	10	10	10	104	104	0	20	70-130
1,1,1-Trichloroethan	0.0	10	12	12	115	115	0	20	70-130
1,1-Dichloropropene	0.0	10	11	11	107	107	0	20	70-130
Carbon tetrachloride	0.0	10	10	10	100	100	0	20	70-130
Benzene	0.0	10	11	11	111	111	0	20	70-130
Trichloroethene	0.3	10	11	11	103	103	0	20	70-130
1,2-Dichloropropane	0.0	10	11	11	112	112	0	20	70-130
Bromodichloromethane	0.0	10	10	10	100	100	0	20	70-130
Dibromomethane	0.0	10	11	11	108	108	0	20	70-130
4-Methyl-2-pentanone	0.0	50	55	55	109	109	0	20	70-130
cis-1,3-Dichloroprop	0.0	10	11	11	105	105	0	20	70-130
Toluene	0.0	10	10	10	102	102	0	20	70-130
trans-1,3-Dichloropr	0.0	10	10	10	99	99	0	20	70-130
1,1,2-Trichloroethan	0.0	10	10	10	101	101	0	20	70-130

2-Hexanone	0.0	50	51	51	102	102	0	20	69-130
1,3-Dichloropropane	0.0	10	10	10	102	102	0	20	70-130
Tetrachloroethene	0.2	10	10	10	100	100	0	20	70-130
Dibromochloromethane	0.0	10	10	10	103	103	0	20	63-142
1,2-Dibromoethane (E	0.0	10	10	10	104	104	0	20	70-130
Chlorobenzene	0.0	10	10	10	100	100	0	20	70-130
Ethylbenzene	0.0	10	10	10	103	103	0	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	10	104	104	0	20	70-130
m,p-Xylene	0.0	20	21	21	103	103	0	20	70-130
o-Xylene	0.0	10	10	10	104	104	0	20	70-130
Styrene	0.0	10	10	10	97	97	0	20	70-130
Isopropylbenzene	0.0	10	10	10	99	99	0	20	70-130
Bromoform	0.0	10	10	10	96	96	0	20	50-157
n-Propylbenzene	0.0	10	10	10	100	100	0	20	70-130
Bromobenzene	0.0	10	10	10	98	98	0	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	10	101	101	0	20	52-150
1,1,2,2-Tetrachloroe	0.0	10	11	11	107	107	0	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	100	100	0	20	70-130
2-Chlorotoluene	0.0	10	10	10	102	102	0	20	70-130
4-Chlorotoluene	0.0	10	10	10	100	100	0	20	70-130
tert-Butylbenzene	0.0	10	10	10	96	96	0	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	10	99	99	0	20	70-130
sec-Butylbenzene	0.0	10	10	10	98	98	0	20	70-130
p-Isopropyltoluene	0.0	10	10	10	98	98	0	20	70-130
1,3-Dichlorobenzene	0.0	10	9	9	94	94	0	20	70-130
1,4-Dichlorobenzene	0.0	10	10	10	99	99	0	20	70-130
1,2-Dichlorobenzene	0.0	10	10	10	96	96	0	20	70-130
1,2-Dibromo-3-chloro	0.0	10	11	11	106	106	0	20	70-130
1,2,4-Trichlorobenze	0.0	10	10	10	96	96	0	20	70-130
Hexachlorobutadiene	0.0	10	9	9	88	88	0	20	70-130
Naphthalene	0.0	10	12	12	115	115	0	20	70-130
1,2,3-Trichlorobenze	0.0	10	11	11	107	107	0	20	69-143

- Fails Limit Check

VB021423ms13.M Mon Mar 06 09:36:44 2023

Spike Recovery and RPD Summary Report - WATER

Method : Y:\Methods\Inst13\VB021423ms13.M (RTE Integrator)
Title : 8260 Purge & Trap Volatiles Dual Acquisition
Last Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration

Non-Spiked Sample: 030313.D

	Spike Sample	Spike Duplicate Sample
File ID :	030310.D	030311.D
Sample :	03-0368 lcs rr	03-0368 lcsd rr
Acq Time:	03 Mar 2023 09:48 am	03 Mar 2023 10:11 am

Compound	Sample Conc	Spike Added	Spike Res	Dup Res	Spike %Rec	Dup %Rec	RPD	QC Limits RPD	QC Limits % Rec
Ethanol	0.0	0	0	0	0#	0#	99#	20	48-163
Dichlorodifluorometh	0.0	10	11	12	113	117	3	20	70-130
Chloromethane	0.0	10	10	11	99	106	7	20	70-130
Vinyl chloride	0.0	10	10	10	96	99	4	20	70-130
Bromomethane	0.0	10	11	12	106	121	13	20	28-182
Chloroethane	0.0	10	11	11	107	109	2	20	70-130
Trichlorofluorometha	0.0	10	9	10	94	101	6	20	70-130
2-Propanol	0.0	0	0	0	0#	0#	99#	20	70-130
Acetone	0.0	50	54	49	107	99	8	20	42-155
1,1-Dichloroethene	0.0	10	11	11	111	113	2	20	42-155
Hexane	0.0	10	11	11	115	113	1	20	50-161
Methylene chloride	1.5	10	11	11	97	95	2	20	29-192
t-Butyl alcohol (TBA	0.0	50	54	55	107	109	2	20	49-206
Methyl t-butyl ether	0.0	10	11	11	110	114	3	20	70-130
trans-1,2-Dichloroet	0.0	10	11	11	106	108	2	20	70-130
Diisopropyl ether (D	0.0	10	11	11	107	109	2	20	70-130
1,1-Dichloroethane	0.0	10	11	11	107	108	2	20	70-130
Ethyl t-butyl ether	0.0	10	11	11	105	109	4	20	70-130
2,2-Dichloropropane	0.0	10	11	12	112	121	8	20	70-130
cis-1,2-Dichloroethe	0.0	10	11	11	108	111	2	20	70-130
Chloroform	0.0	10	10	10	102	103	1	20	70-130
2-Butanone (MEK)	0.0	50	48	50	96	100	4	20	50-157
t-Amyl methyl ether	0.0	10	11	11	108	111	3	20	70-130
1,2-Dichloroethane (D	0.0	10	10	10	101	104	3	20	70-130
1,1,1-Trichloroethan	0.0	10	11	11	110	114	3	20	70-130
1,1-Dichloropropene	0.0	10	10	11	103	109	5	20	70-130
Carbon tetrachloride	0.0	10	10	10	97	103	7	20	70-130
Benzene	0.0	10	11	11	108	111	3	20	70-130
Trichloroethene	0.0	10	11	11	105	105	0	20	70-130
1,2-Dichloropropane	0.0	10	11	11	106	111	4	20	70-130
Bromodichloromethane	0.0	10	10	10	97	99	2	20	70-130
Dibromomethane	0.0	10	11	11	107	108	1	20	70-130
4-Methyl-2-pentanone	0.0	50	53	53	107	106	1	20	70-130
cis-1,3-Dichloroprop	0.0	10	11	11	110	112	1	20	70-130
Toluene	0.0	10	10	10	100	102	2	20	70-130
trans-1,3-Dichloropr	0.0	10	10	11	100	106	6	20	70-130
1,1,2-Trichloroethan	0.0	10	10	10	98	101	3	20	70-130

2-Hexanone	0.0	50	50	50	100	101	1	20	69-130
1,3-Dichloropropane	0.0	10	10	10	99	101	2	20	70-130
Tetrachloroethene	0.1	10	10	10	100	100	1	20	70-130
Dibromochloromethane	0.0	10	10	10	99	101	3	20	63-142
1,2-Dibromoethane (E	0.0	10	10	10	101	100	1	20	70-130
Chlorobenzene	0.0	10	10	10	99	101	3	20	70-130
Ethylbenzene	0.0	10	10	10	103	104	2	20	70-130
1,1,1,2-Tetrachloroe	0.0	10	10	11	105	105	1	20	70-130
m,p-Xylene	0.0	20	21	21	103	105	2	20	70-130
o-Xylene	0.0	10	10	11	103	106	3	20	70-130
Styrene	0.0	10	10	10	100	103	3	20	70-130
Isopropylbenzene	0.0	10	10	10	100	101	1	20	70-130
Bromoform	0.0	10	10	10	96	97	1	20	50-157
n-Propylbenzene	0.0	10	10	11	103	107	3	20	70-130
Bromobenzene	0.0	10	10	10	98	104	6	20	70-130
1,3,5-Trimethylbenze	0.0	10	10	11	103	106	3	20	52-150
1,1,2,2-Tetrachloroe	0.0	10	10	11	104	107	3	20	70-130
1,2,3-Trichloropropa	0.0	10	10	10	95	100	4	20	70-130
2-Chlorotoluene	0.0	10	11	11	107	111	3	20	70-130
4-Chlorotoluene	0.0	10	10	11	103	106	3	20	70-130
tert-Butylbenzene	0.0	10	10	10	99	103	4	20	70-130
1,2,4-Trimethylbenze	0.0	10	10	11	102	106	4	20	70-130
sec-Butylbenzene	0.0	10	10	10	101	105	4	20	70-130
p-Isopropyltoluene	0.0	10	10	11	101	106	4	20	70-130
1,3-Dichlorobenzene	0.0	10	10	10	97	101	4	20	70-130
1,4-Dichlorobenzene	0.0	10	10	10	101	104	3	20	70-130
1,2-Dichlorobenzene	0.0	10	10	10	96	100	4	20	70-130
1,2-Dibromo-3-chloro	0.0	10	11	10	106	100	6	20	70-130
1,2,4-Trichlorobenze	0.0	10	10	10	100	101	1	20	70-130
Hexachlorobutadiene	0.0	10	10	10	99	102	3	20	70-130
Naphthalene	0.1	10	12	12	117	117	0	20	70-130
1,2,3-Trichlorobenze	0.0	10	11	11	108	111	2	20	69-143

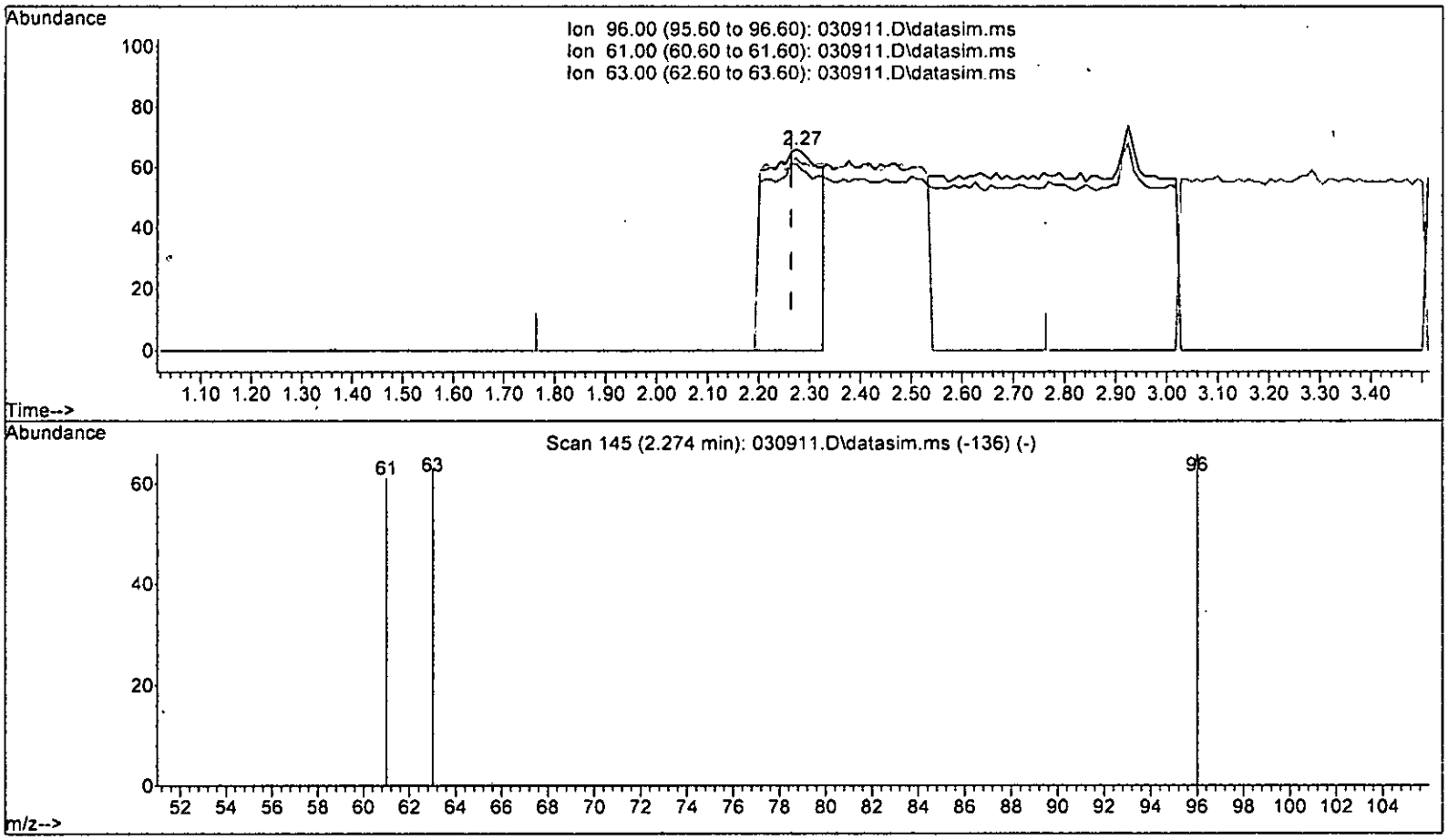
- Fails Limit Check

VB021423ms13.M Mon Mar 06 09:19:12 2023

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030911.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (+ 0.010) 0.217 ppb

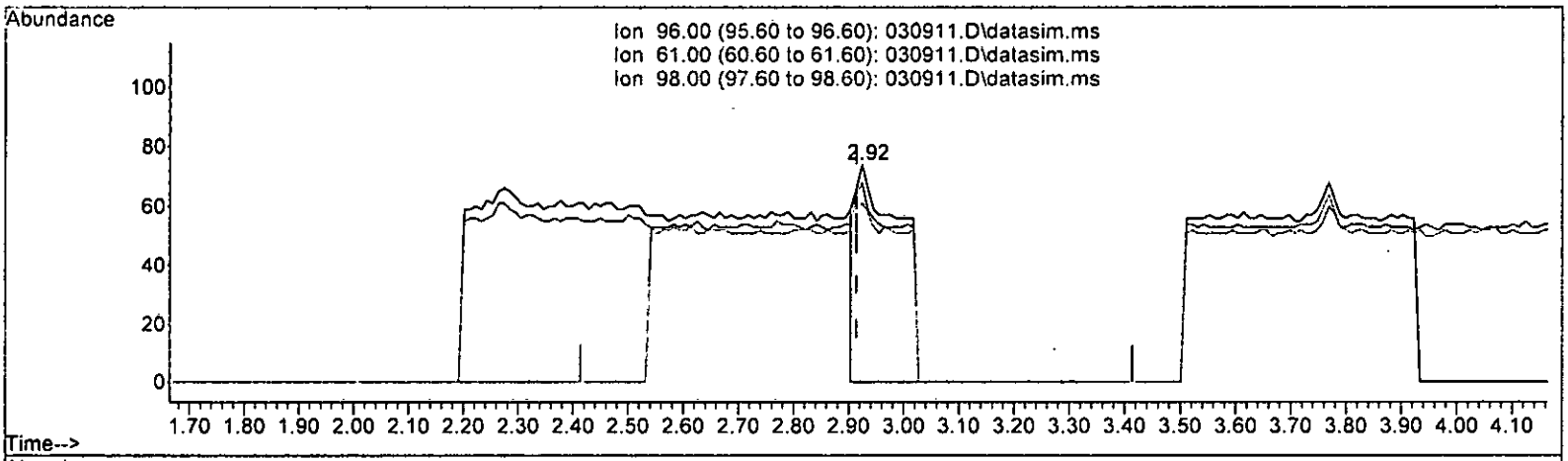
response 494

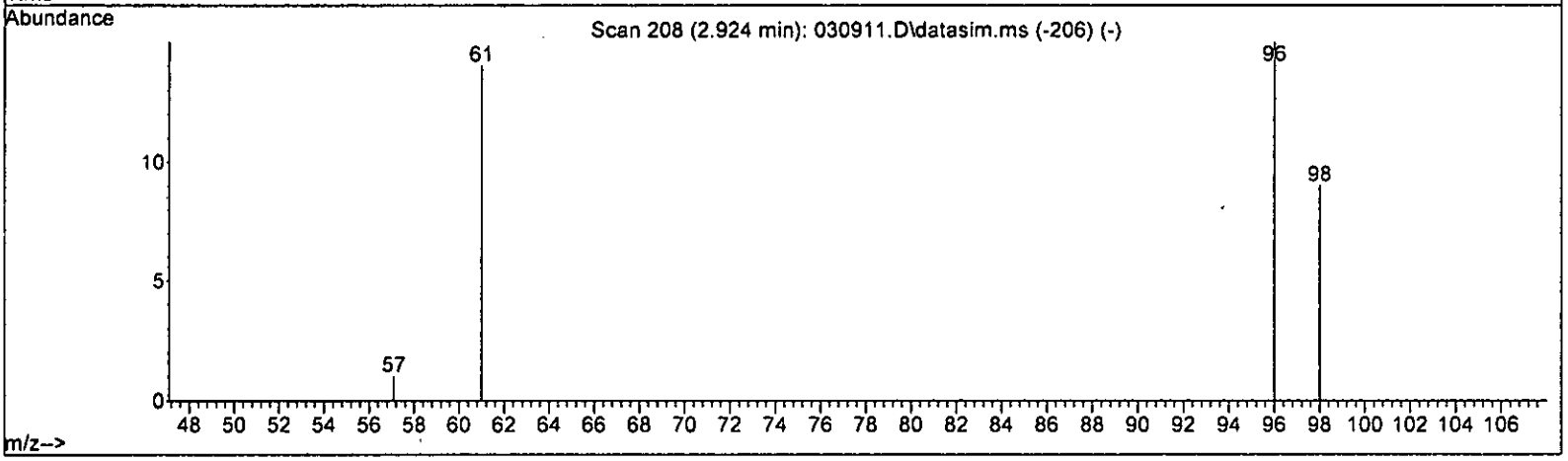
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	115.50	92.42
63.00	37.50	95.45#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030911.D\data.ms

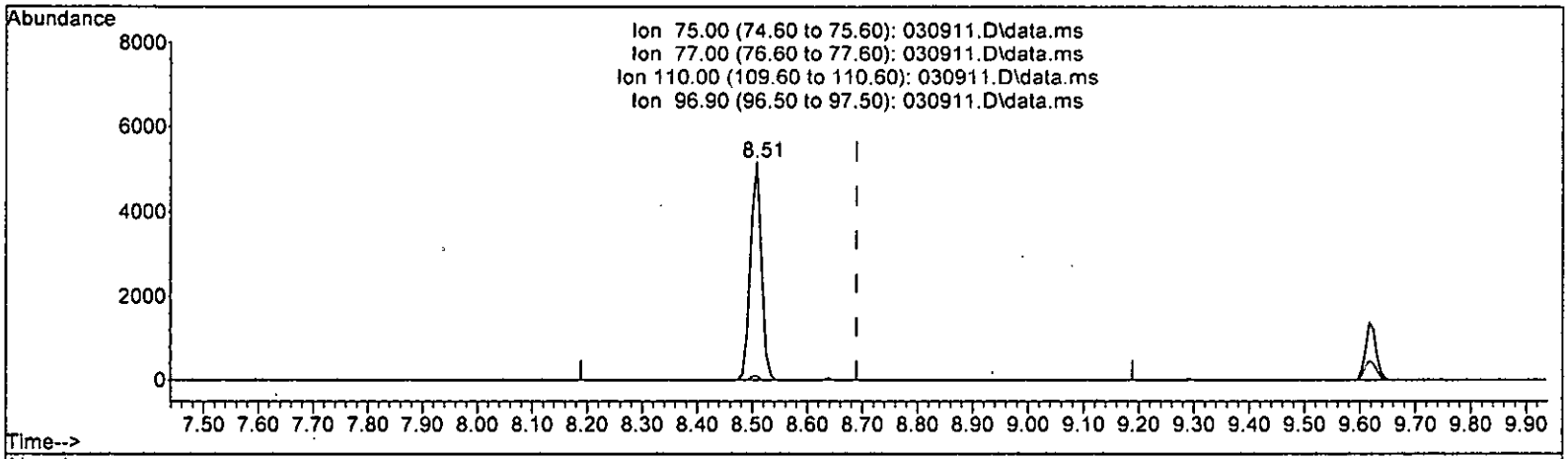
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.010) 0.217 ppb
response 409

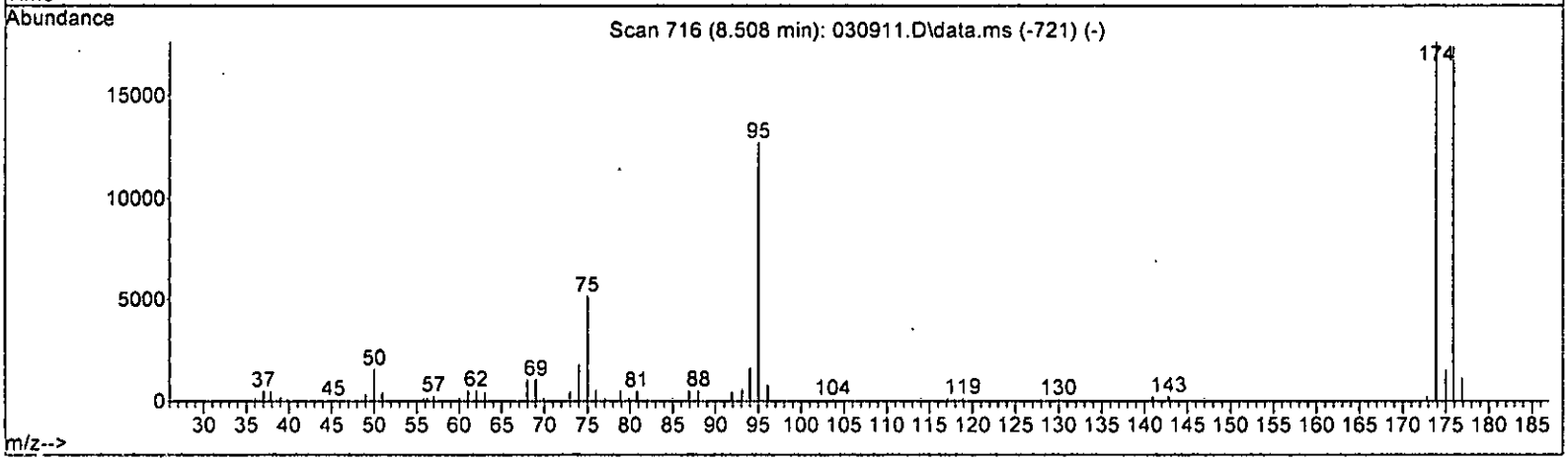
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	98.50	91.89
98.00	62.00	82.43
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030911.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 6.863 ppb

response 7138

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	2.01#
110.00	52.60	0.00#
96.90	25.10	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

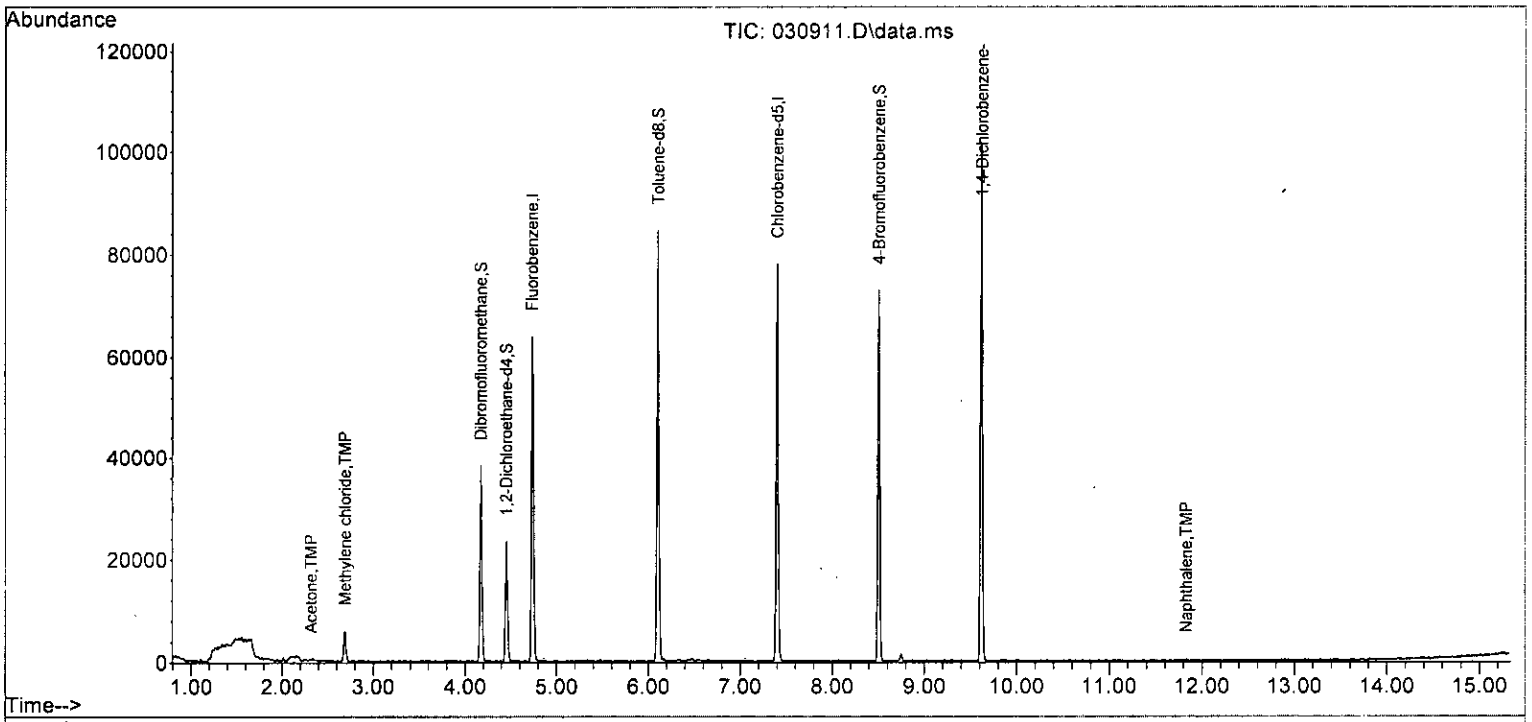
Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

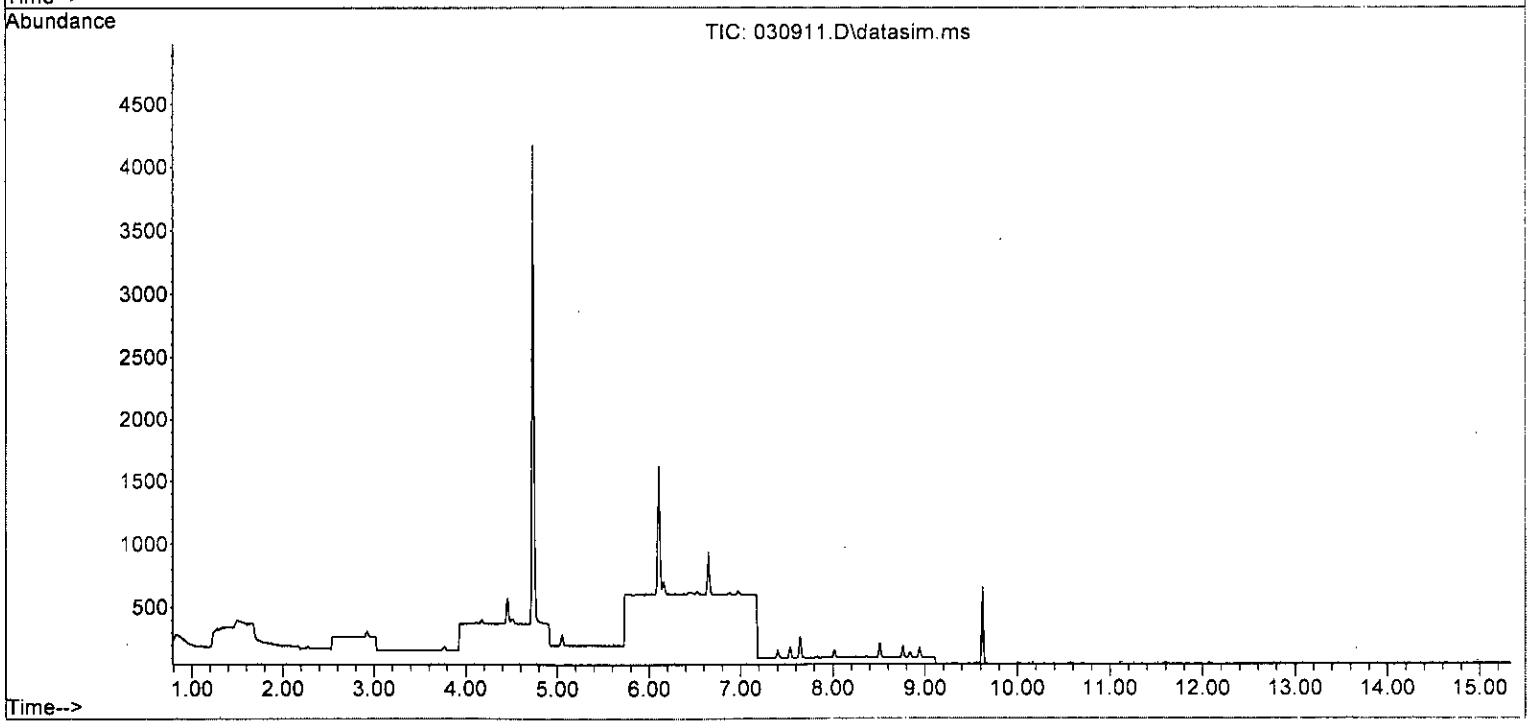
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	62334	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	49959	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31309	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	18186	9.054	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	90.50%		
30) 1,2-Dichloroethane-d4	4.45	102	3533	8.925	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery =	89.20%		
35) Toluene-d8	6.11	98	52441	8.829	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery =	88.30%		
57) 4-Bromofluorobenzene	8.51	95	18429	9.760	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery =	97.60%		
Target Compounds						Qvalue
7) Bromomethane	1.59	94	399	Below Cal	#	2
8] Chloroethane	1.66	64	135	Below Cal	#	1
11) Acetone	2.32	58	82	1.142	ppb #	1
14) Methylene chloride	2.69	84	3280	1.462	ppb	96
26] 1,2-Dichloroethane (EDC)	4.52	62	39	Below Cal		96
31] Benzene	4.50	78	43	Below Cal		71
32] Trichloroethene	5.05	95	56	Below Cal	#	67
40] Toluene	6.16	92	55	Below Cal		94
45] Tetrachloroethene	6.65	164	120	Below Cal		96
47] 1,2-Dibromoethane (EDB)	6.97	107	28	Below Cal		71
49] Ethylbenzene	7.54	91	87	Below Cal		94
51] m,p-Xylene	7.65	106	96	Below Cal		95
52] o-Xylene	8.01	106	35	Below Cal		82
75) Naphthalene	11.83	128	297	0.028	ppb	70

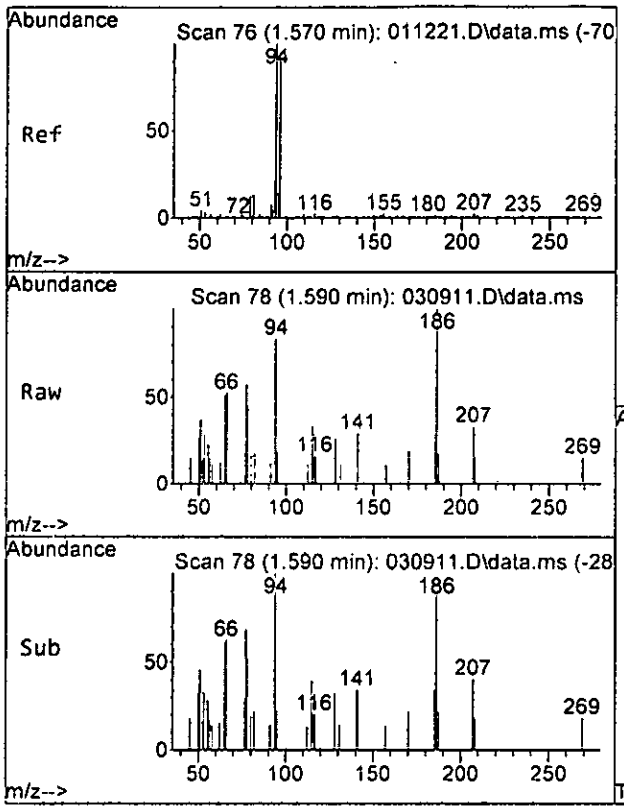
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



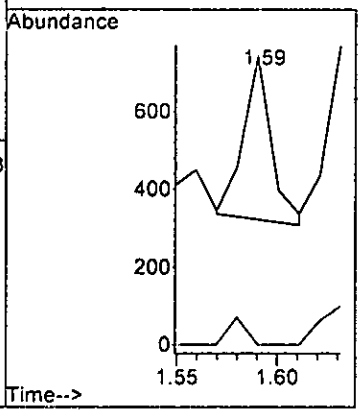


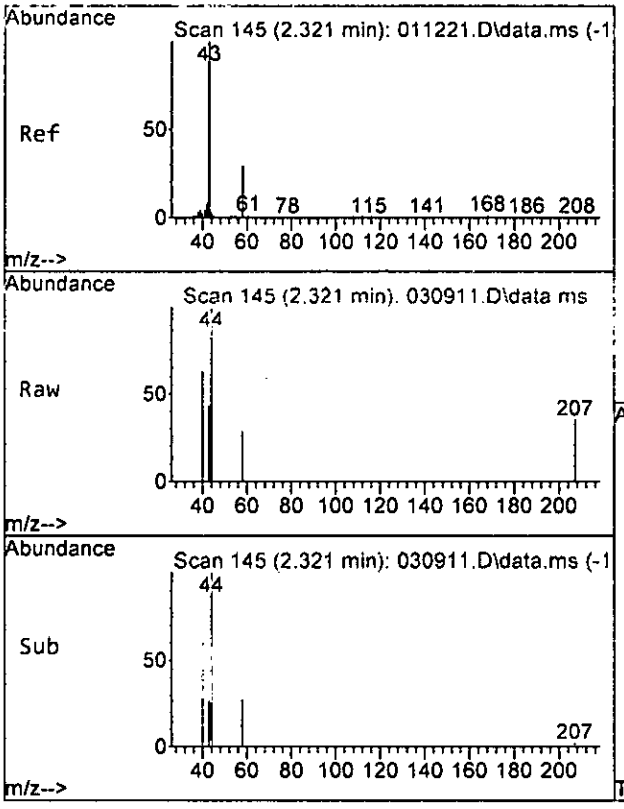


#7
Bromomethane
Concen: Below Cal
RT: 1.59 min Scan# 78
Delta R.T. 0.010 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 94 Resp: 399

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.6	124.6#

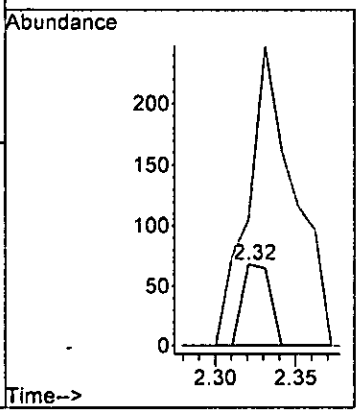


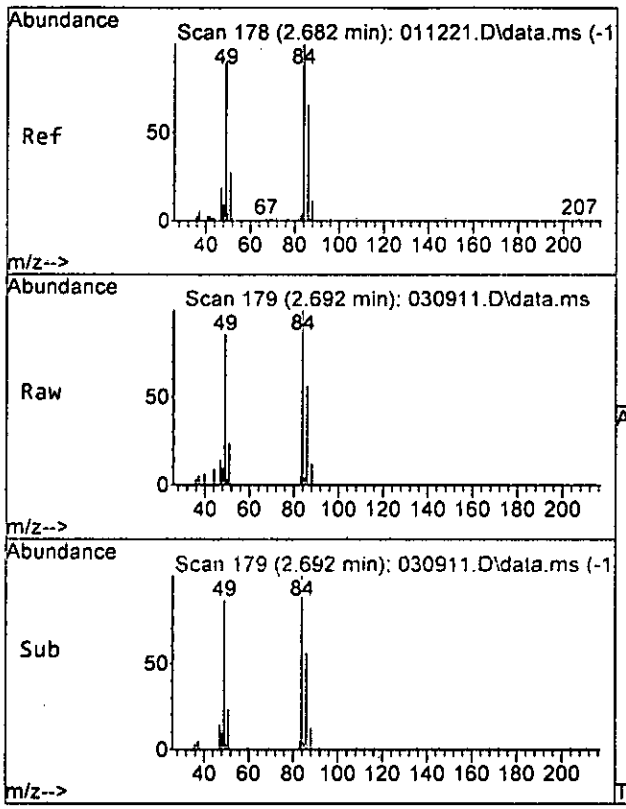


#11
Acetone
Concen: 1.142 ppb
RT: 2.32 min Scan# 145
Delta R.T. -0.000 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 58 Resp: 82

Ion	Ratio	Lower	Upper
58	100		
43	604.9	313.0	373.0#

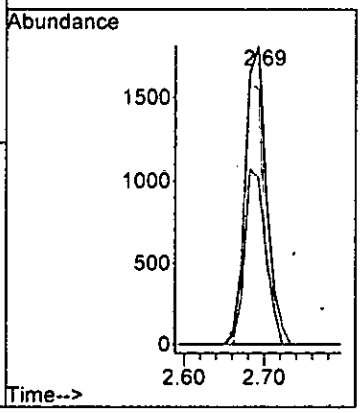


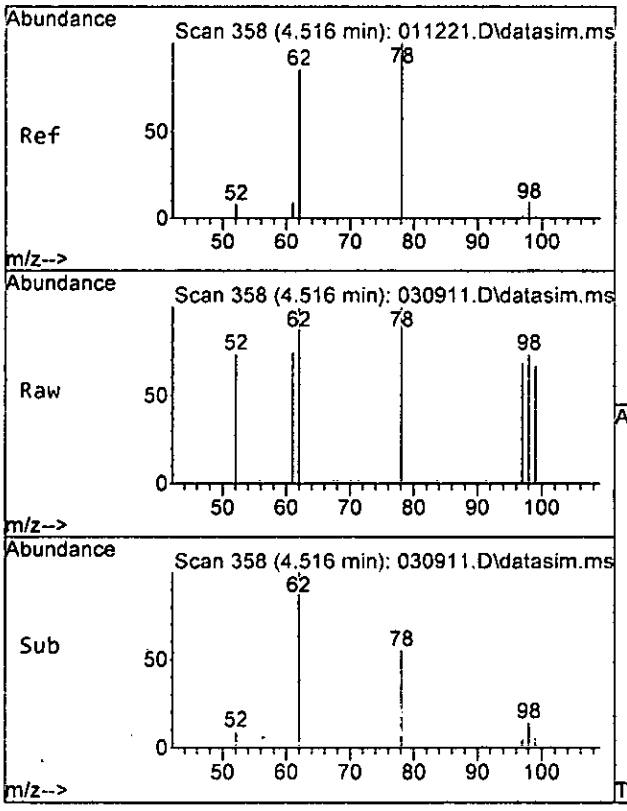


#14
Methylene chloride
Concen: 1.462 ppb
RT: 2.69 min Scan# 179
Delta R.T. 0.010 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 84 Resp: 3280

Ion	Ratio	Lower	Upper
84	100		
86	56.5	31.0	91.0
49	86.2	59.1	119.1

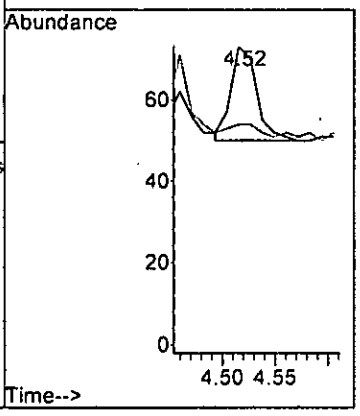


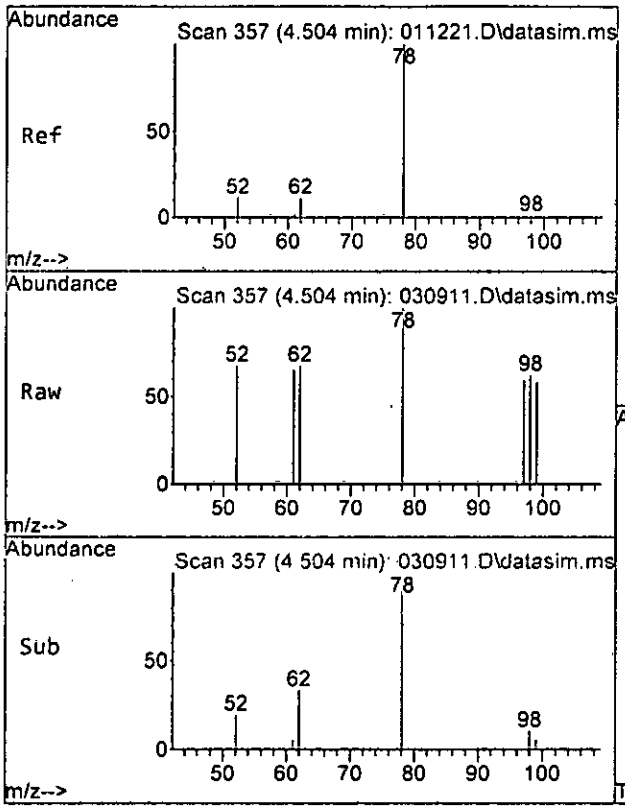


#26
1,2-Dichloroethane (EDC)
Concen: Below Cal
RT: 4.52 min Scan# 358
Delta R.T. 0.001 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 62 Resp: 39

Ion	Ratio	Lower	Upper
62	100		
98	13.0	0.0	41.6

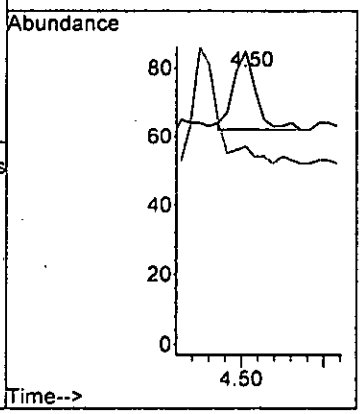


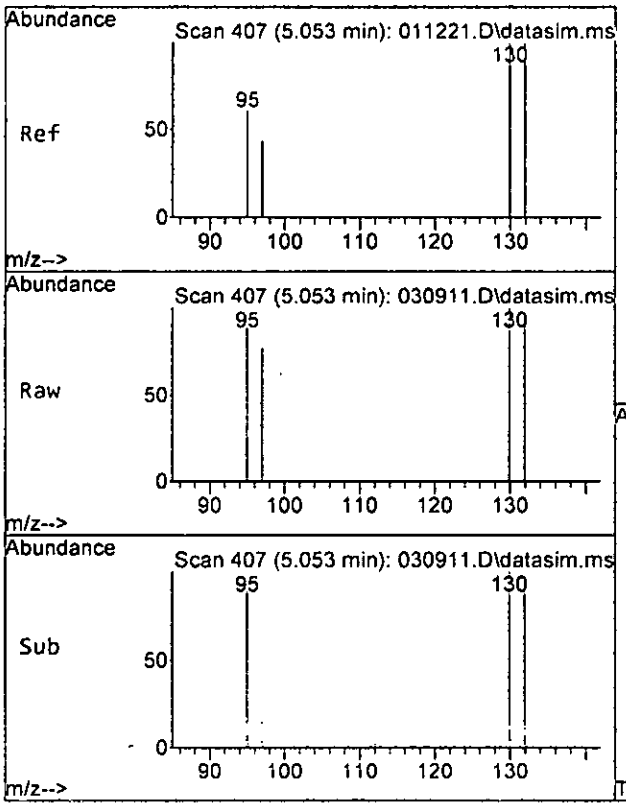


#31
Benzene
Concen: Below Cal
RT: 4.50 min Scan# 357
Delta R.T. 0.000 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 78 Resp: 43

Ion	Ratio	Lower	Upper
78	100		
52	21.7	0.0	40.8

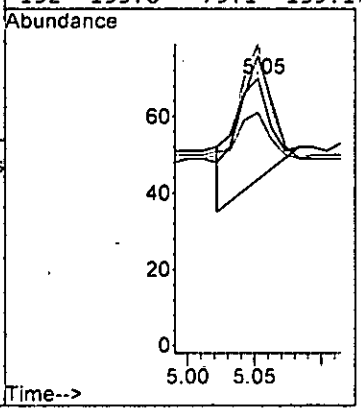


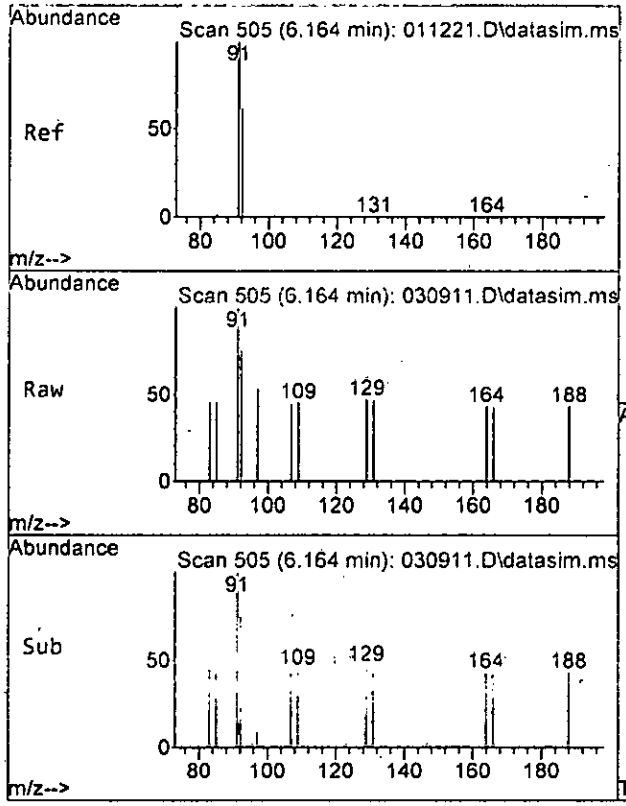


#32
Trichloroethene
Concen: Below Cal
RT: 5.05 min Scan# 407
Delta R.T. 0.011 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 95 Resp: 56

Ion	Ratio	Lower	Upper
95	100		
97	66.7	30.7	90.7
130	166.7	96.9	156.9#
132	155.6	79.1	139.1#

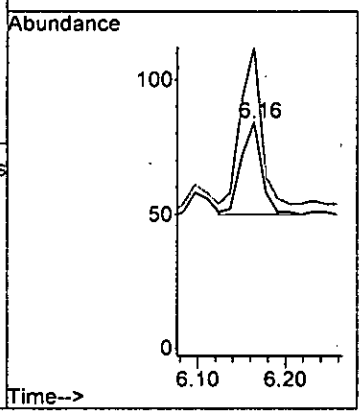


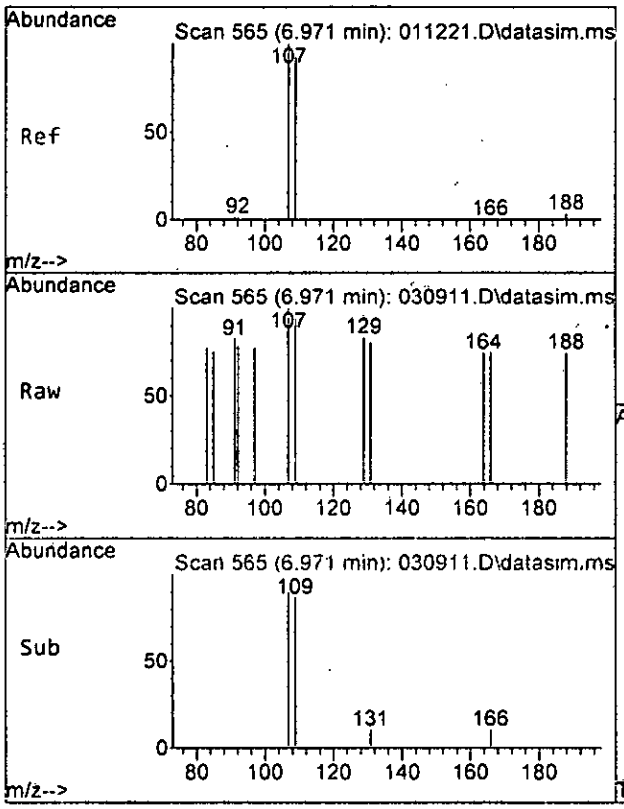


#40
Toluene
Concen: Below Cal
RT: 6.16 min Scan# 505
Delta R.T. -0.000 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 92 Resp: 55

Ion	Ratio	Lower	Upper
92	100		
91	170.6	132.7	192.7

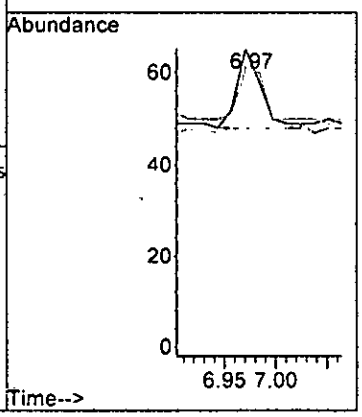


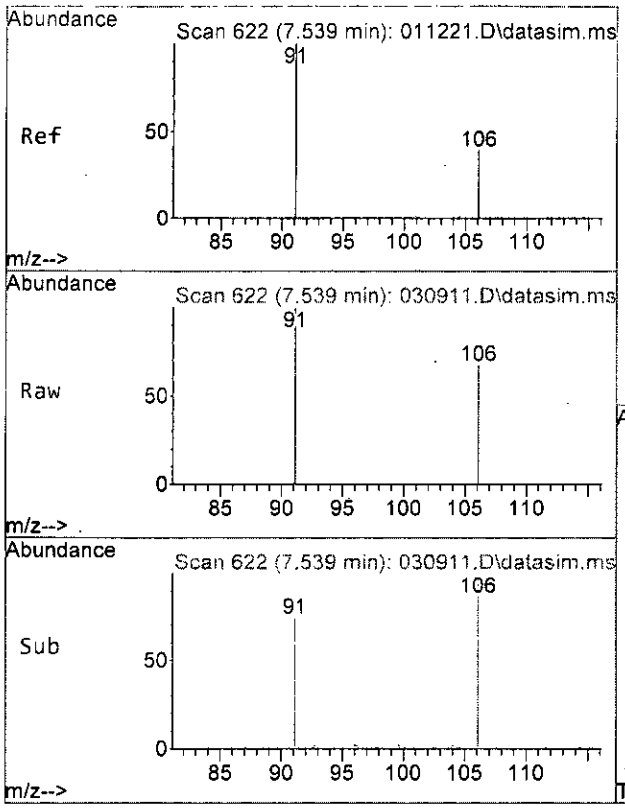


#47
1,2-Dibromoethane (EDB)
Concen: Below Cal
RT: 6.97 min Scan# 565
Delta R.T. 0.001 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion:107 Resp: 28

Ion	Ratio	Lower	Upper
107	100		
109	64.7	63.6	123.6
188	5.9	0.0	33.9

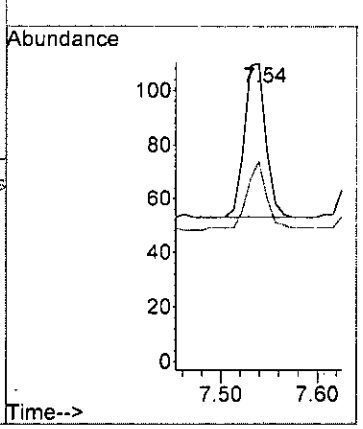


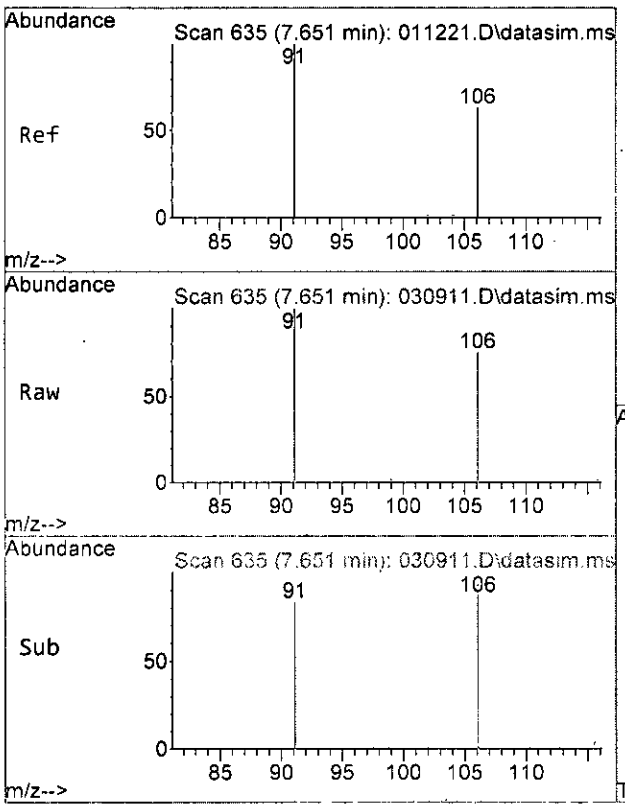


#49
Ethylbenzene
Concen: Below Cal
RT: 7.54 min Scan# 622
Delta R.T. -0.000 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion: 91 Resp: 87

Ion	Ratio	Lower	Upper
91	100		
106	43.9	9.9	69.9

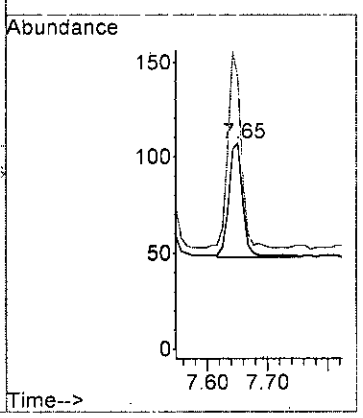


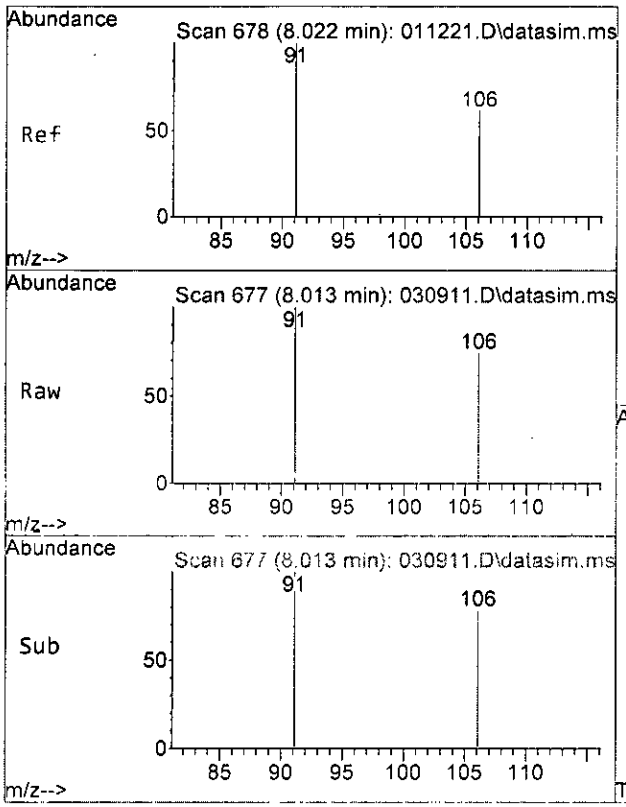


#51
m,p-Xylene
Concen: Below Cal
RT: 7.65 min Scan# 635
Delta R.T. 0.000 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion:106 Resp: 96

Ion	Ratio	Lower	Upper
106	100		
91	149.2	125.2	185.2

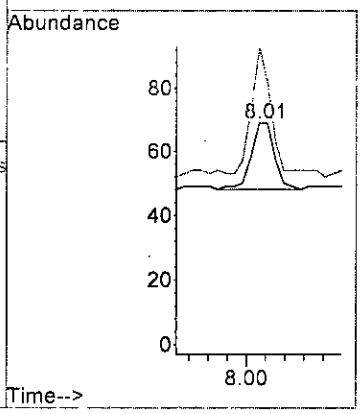


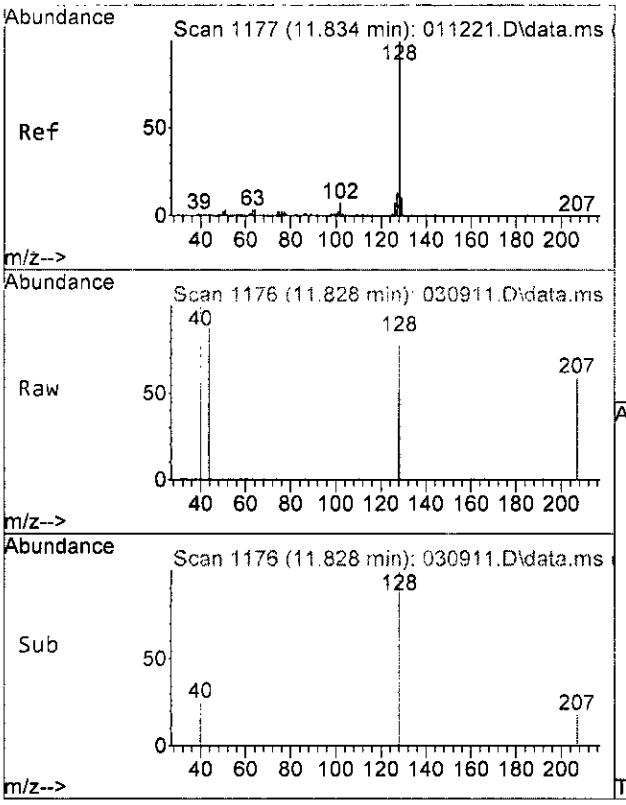


#52
o-Xylene
Concen: Below Cal
RT: 8.01 min Scan# 677
Delta R.T. -0.008 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion:106 Resp: 35

Ion	Ratio	Lower	Upper
106	100		
91	185.7	131.3	191.3

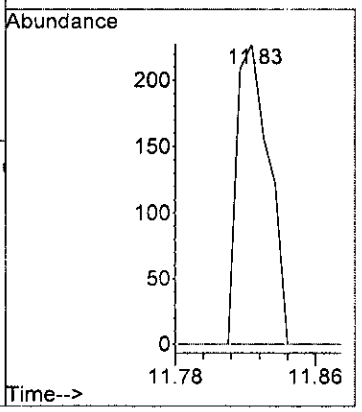




#75
Naphthalene
Concen: 0.028 ppb
RT: 11.83 min Scan# 1176
Delta R.T. -0.006 min
Lab File: 030911.D
Acq: 09 Mar 2023 12:38 pm

Tgt Ion:128 Resp: 297

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	40.8
127	0.0	0.0	42.4



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	62334	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	49959	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31309	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	18186	9.054	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery =	90.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3533	8.925	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery =	89.20%			
35) Toluene-d8	6.11	98	52441	8.829	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery =	88.30%			
57) 4-Bromofluorobenzene	8.51	95	18429	9.760	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery =	97.60%			
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.26	50	610	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	1.59	94	399	Below Cal	#		2
8] Chloroethane	1.66	64	135	Below Cal	#		1
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	82	1.142	ppb	#	1
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.69	84	3280	1.462	ppb		96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22) cis-1,2-Dichloroethene	0.00		0	N.D.			
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	0.00		0	N.D.			
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	39	Below Cal			96
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31] Benzene	4.50	78	43	Below Cal			71
32] Trichloroethene	5.05	95	56	Below Cal	#		67
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

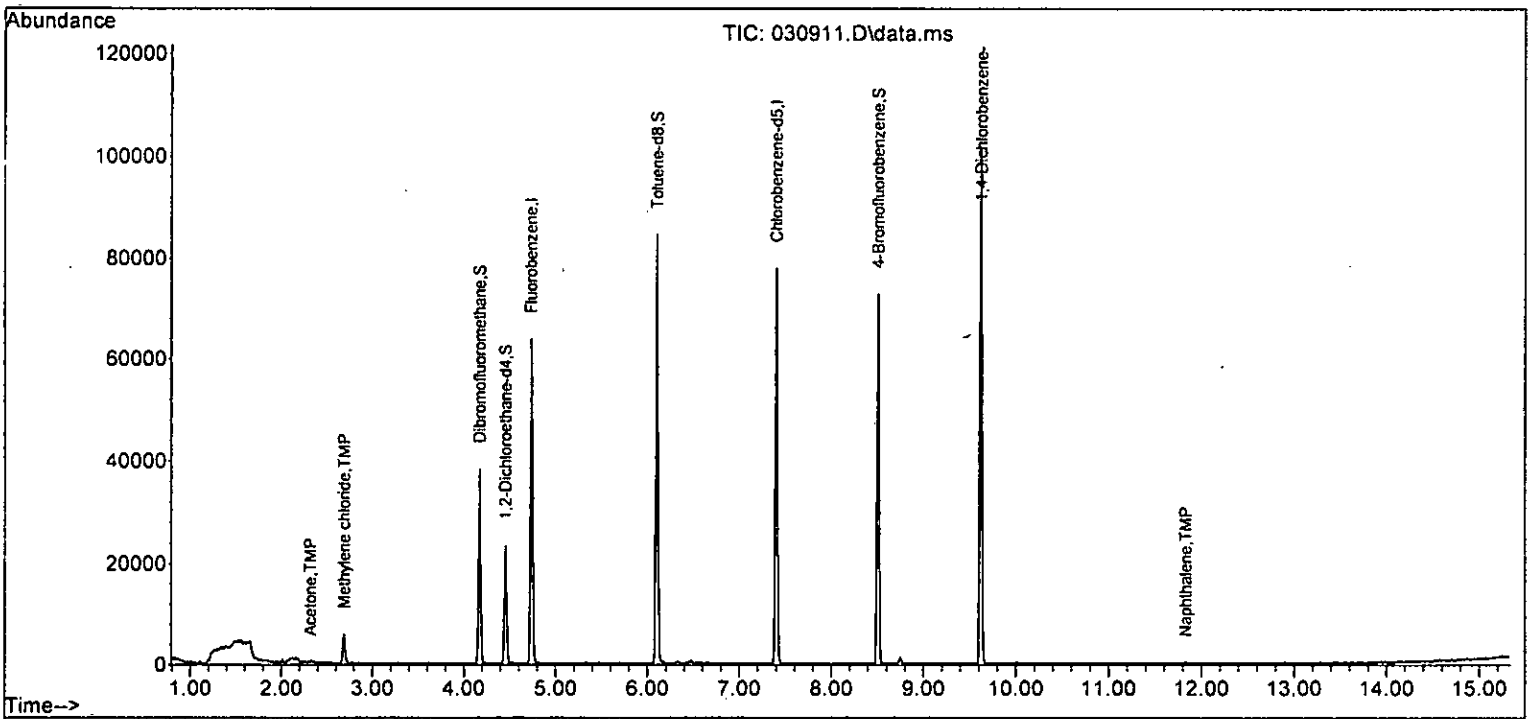
Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

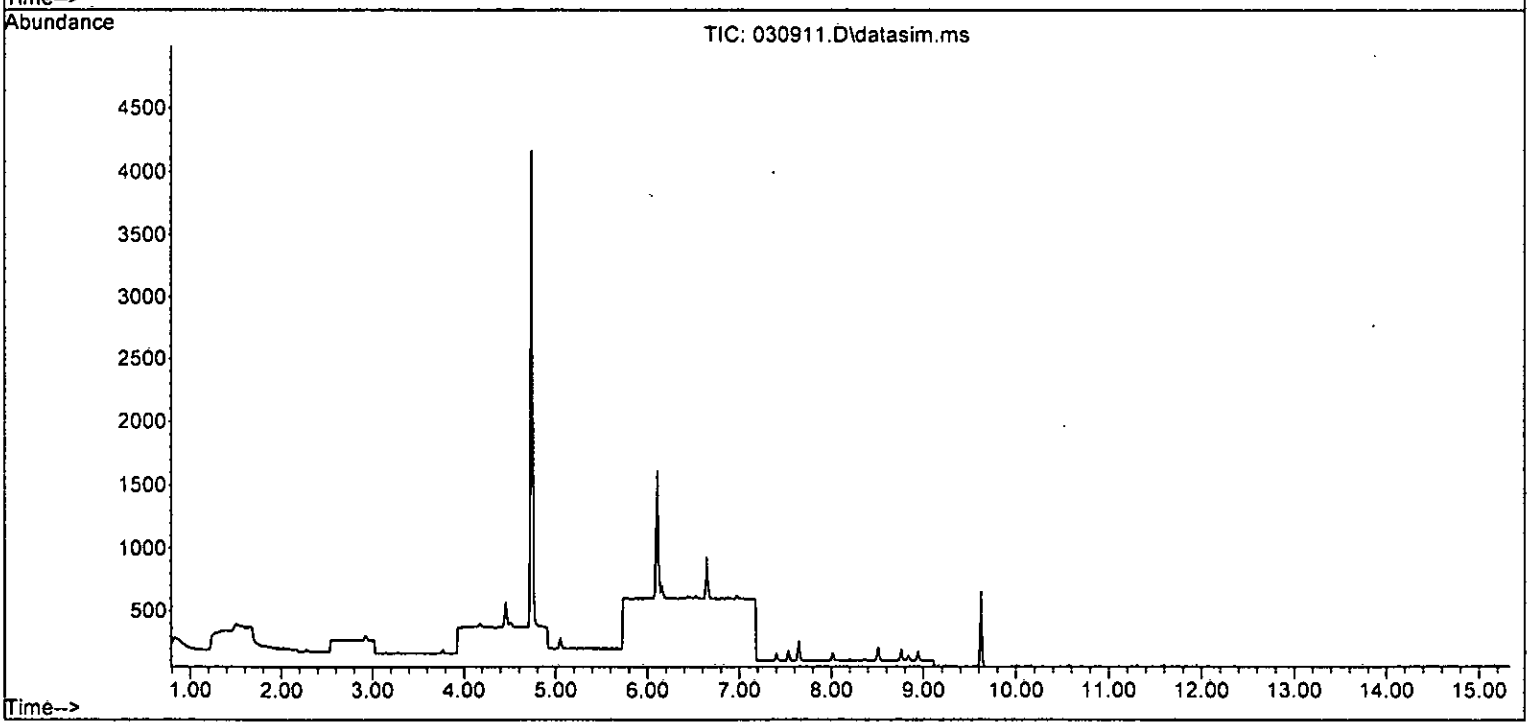
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	55	Below Cal	94
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	43	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	120	Below Cal	96
46) Dibromochloromethane	0.00		0	N.D.	
47] 1,2-Dibromoethane (EDB)	6.97	107	28	Below Cal	71
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	87	Below Cal	94
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.65	106	96	Below Cal	95
52] o-Xylene	8.01	106	35	Below Cal	82
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	8.36	105	42	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.76	91	97	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.76	91	97	N.D.	
64) 4-Chlorotoluene	8.95	91	84	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	47	N.D.	
67) sec-Butylbenzene	9.46	105	24	N.D.	
68) p-Isopropyltoluene	9.61	119	108	N.D.	
69) 1,3-Dichlorobenzene	9.56	146	28	N.D.	
70) 1,4-Dichlorobenzene	9.64	146	143	N.D.	
71) 1,2-Dichlorobenzene	10.01	146	50	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	52	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.83	128	297	0.028 ppb	70
76) 1,2,3-Trichlorobenzene	12.07	180	92	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030911.D
Acq On : 09 Mar 2023 12:38 pm
Operator : lm
Sample : 03-0368 mb rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:53 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030310.D
Acq On : 03 Mar 2023 09:48 am
Operator : lm
Sample : 03-0368 lcs rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	42031	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	40184	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22548	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	13673	10.419	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.20%				
30) 1,2-Dichloroethane-d4	4.45	102	2559	9.821	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 98.20%				
35) Toluene-d8	6.10	98	42180	10.778	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 107.80%				
57) 4-Bromofluorobenzene	8.51	95	13911	10.007	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 100.10%				
Target Compounds							Qvalue
2) Ethanol	2.34	45	43	No Calib			
4) Dichlorodifluoromethane	1.11	85	34611	11.285	ppb		95
5) Chloromethane	1.25	50	20744	9.874	ppb		83
6] Vinyl chloride	1.32	62	22286	9.561	ppb		94
7) Bromomethane	1.57	94	21792	10.618	ppb		92
8] Chloroethane	1.66	64	12168	10.678	ppb		99
9) Trichlorofluoromethane	1.84	101	52302	9.431	ppb		91
10) 2-Propanol	2.34	45	43	No Calib			
11) Acetone	2.32	58	5071	53.597	ppb		98
12] 1,1-Dichloroethene	2.27	96	20484	11.071	ppb		93
13) Hexane	3.16	57	11104	11.459	ppb		93
14) Methylene chloride	2.68	84	11202	11.277	ppb		95
15) t-Butyl alcohol (TBA)	2.81	59	4678	53.675	ppb		99
16] Methyl t-butyl ether (...	2.93	73	25555	11.012	ppb		97
17] trans-1,2-Dichloroethene	2.92	96	12650	10.586	ppb		94
18) Diisopropyl ether (DIPE)	3.34	45	21591	10.674	ppb		99
19] 1,1-Dichloroethane	3.27	63	14654	10.666	ppb		97
20) Ethyl t-butyl ether (E...	3.65	87	12366	10.501	ppb		97
21) 2,2-Dichloropropane	3.76	77	11717	11.155	ppb		98
22] cis-1,2-Dichloroethene	3.77	96	13735	10.826	ppb		95
23) Chloroform	4.04	83	18431	10.207	ppb		98
24) 2-Butanone (MEK)	3.78	43	18058	48.230	ppb		97
25) t-Amyl methyl ether (T...	4.61	73	23488	10.825	ppb		97
26] 1,2-Dichloroethane (EDC)	4.52	62	12007	10.096	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	20228	11.025	ppb		96
28) 1,1-Dichloropropene	4.33	75	12759	10.350	ppb		97
29) Carbon tetrachloride	4.33	117	20857	9.661	ppb		97
31] Benzene	4.50	78	38298	10.760	ppb		98
32] Trichloroethene	5.04	95	13854	10.500	ppb	#	71
33) 1,2-Dichloropropane	5.24	63	7731	10.639	ppb		97
34) Bromodichloromethane	5.48	83	13629	9.745	ppb		97
36) Dibromomethane	5.34	93	7678	10.655	ppb		98

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030310.D
Acq On : 03 Mar 2023 09:48 am
Operator : lm
Sample : 03-0368 lcs rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

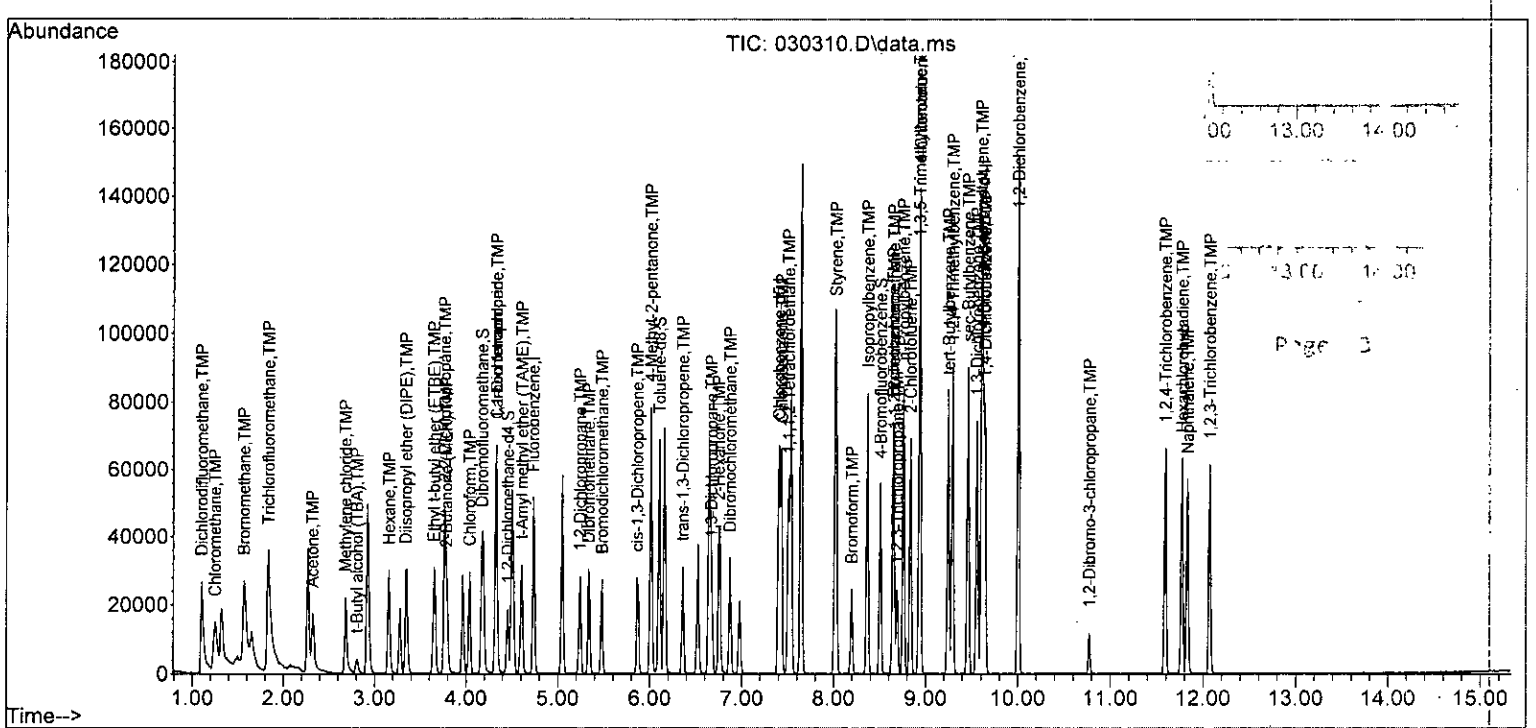
Quant Time: Mar 06 09:09:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

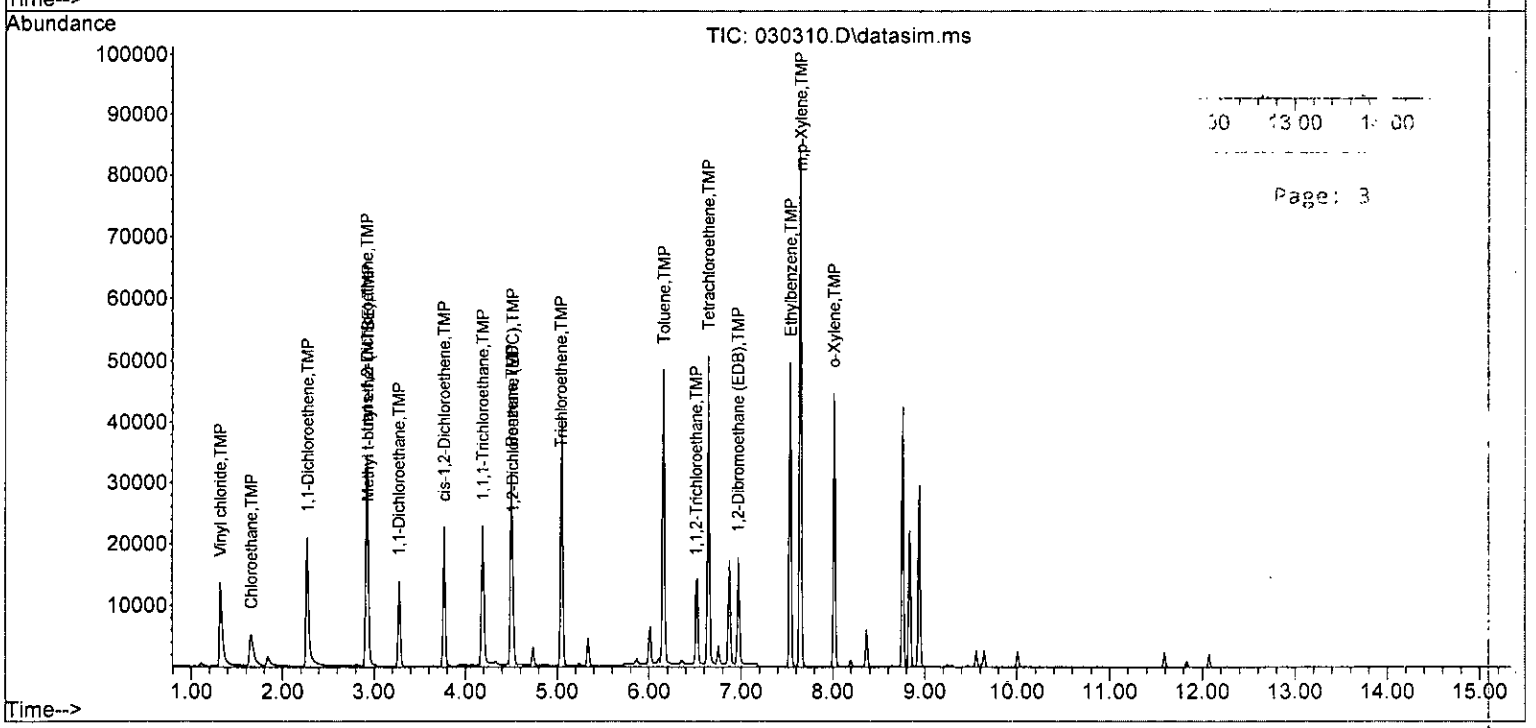
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	9622	53.277	ppb		93
38) cis-1,3-Dichloropropene	5.86	75	14188	11.026	ppb		93
40] Toluene	6.16	92	28534	10.042	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	12672	9.969	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	8026	9.846	ppb	#	71
43) 2-Hexanone	6.75	43	29039	50.058	ppb		97
44) 1,3-Dichloropropane	6.67	76	13469	9.862	ppb		96
45] Tetrachloroethene	6.65	164	17295	10.010	ppb		99
46) Dibromochloromethane	6.87	129	17315	9.858	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	13429	10.099	ppb		98
48) Chlorobenzene	7.43	112	38305	9.858	ppb		96
49] Ethylbenzene	7.54	91	52606	10.257	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	16467	10.483	ppb		95
51] m,p-Xylene	7.65	106	46721	20.669	ppb		99
52] o-Xylene	8.01	106	22605	10.308	ppb		79
53) Styrene	8.03	104	34389	10.013	ppb		100
54) Isopropylbenzene	8.37	105	55844	9.978	ppb		99
55) Bromoform	8.20	173	11388	9.623	ppb		97
58) n-Propylbenzene	8.76	91	55228	10.331	ppb		100
59) Bromobenzene	8.65	156	18904	9.783	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	45016	10.259	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	11326	10.365	ppb		99
62) 1,2,3-Trichloropropane	8.69	75	7844	9.535	ppb		98
63) 2-Chlorotoluene	8.84	91	32445	10.722	ppb		99
64) 4-Chlorotoluene	8.94	91	37292	10.301	ppb		96
65) tert-Butylbenzene	9.25	119	45890	9.909	ppb		94
66) 1,2,4-Trimethylbenzene	9.29	105	45712	10.184	ppb		99
67) sec-Butylbenzene	9.46	105	57462	10.067	ppb		99
68) p-Isopropyltoluene	9.60	119	57008	10.138	ppb		97
69) 1,3-Dichlorobenzene	9.55	146	33585	9.707	ppb		100
70) 1,4-Dichlorobenzene	9.64	146	33563	10.097	ppb		98
71) 1,2-Dichlorobenzene	10.00	146	31470	9.610	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	2021	10.611	ppb		98
73) 1,2,4-Trichlorobenzene	11.59	180	21771	10.010	ppb		98
74) Hexachlorobutadiene	11.77	225	13438	9.933	ppb		98
75) Naphthalene	11.83	128	47728	11.737	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	19992	10.847	ppb		96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030310.D
Acq On : 03 Mar 2023 09:48 am
Operator : lm
Sample : 03-0368 lcs rr
Misc : water
ALS Vial : 7 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:53 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030311.D
Acq On : 03 Mar 2023 10:11 am
Operator : lm
Sample : 03-0368 lcsd rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	41048	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	39317	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22068	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	13131	10.245	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.50%				
30) 1,2-Dichloroethane-d4	4.45	102	2666	10.477	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 104.80%				
35) Toluene-d8	6.11	98	40929	10.709	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 107.10%				
57) 4-Bromofluorobenzene	8.51	95	13525	9.941	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 99.40%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	34931	11.662	ppb		92
5) Chloromethane	1.24	50	21753	10.602	ppb		91
6] Vinyl chloride	1.31	62	22650	9.949	ppb		87
7) Bromomethane	1.56	94	24220	12.131	ppb		97
8] Chloroethane	1.65	64	12097	10.868	ppb		98
9) Trichlorofluoromethane	1.84	101	54495	10.061	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	4561	49.315	ppb	#	83
12] 1,1-Dichloroethene	2.26	96	20462	11.324	ppb		89
13) Hexane	3.16	57	10683	11.289	ppb		99
14) Methylene chloride	2.68	84	10712	11.048	ppb		93
15) t-Butyl alcohol (TBA)	2.81	59	4648	54.608	ppb		94
16] Methyl t-butyl ether (...	2.92	73	25743	11.359	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	12602	10.798	ppb		92
18) Diisopropyl ether (DIPE)	3.34	45	21540	10.904	ppb		99
19] 1,1-Dichloroethane	3.27	63	14543	10.839	ppb		95
20) Ethyl t-butyl ether (E...	3.65	87	12546	10.905	ppb		96
21) 2,2-Dichloropropane	3.76	77	12403	12.083	ppb		99
22] cis-1,2-Dichloroethene	3.77	96	13707	11.063	ppb		93
23) Chloroform	4.04	83	18182	10.310	ppb		96
24) 2-Butanone (MEK)	3.78	43	18287	50.011	ppb		97
25) t-Amyl methyl ether (T...	4.60	73	23546	11.111	ppb		98
26] 1,2-Dichloroethane (EDC)	4.52	62	12106	10.424	ppb		96
27] 1,1,1-Trichloroethane	4.19	97	20406	11.388	ppb		94
28) 1,1-Dichloropropene	4.32	75	13106	10.886	ppb		98
29) Carbon tetrachloride	4.32	117	21763	10.313	ppb		99
31] Benzene	4.50	78	38503	11.077	ppb		97
32] Trichloroethene	5.04	95	13537	10.506	ppb	#	74
33) 1,2-Dichloropropane	5.24	63	7892	11.120	ppb		100
34) Bromodichloromethane	5.48	83	13514	9.893	ppb		99
36) Dibromomethane	5.34	93	7583	10.775	ppb		97

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030311.D
Acq On : 03 Mar 2023 10:11 am
Operator : lm
Sample : 03-0368 lcsd rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

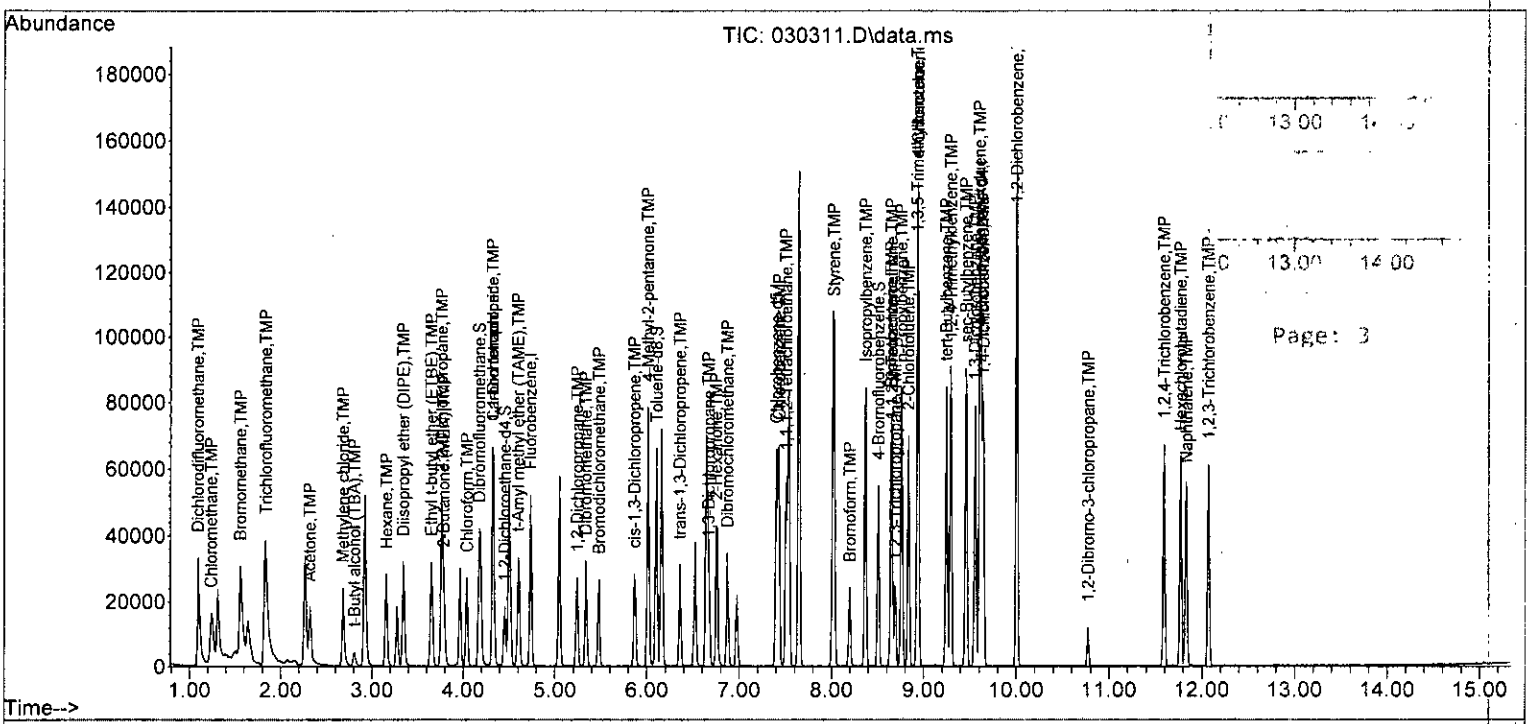
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	9322	52.852	ppb		99
38) cis-1,3-Dichloropropene	5.86	75	14040	11.170	ppb		97
40] Toluene	6.16	92	28422	10.223	ppb		100
41) trans-1,3-Dichloropropene	6.36	75	13147	10.571	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	8068	10.116	ppb	#	70
43) 2-Hexanone	6.75	43	28556	50.311	ppb		97
44) 1,3-Dichloropropane	6.67	76	13498	10.102	ppb		93
45] Tetrachloroethene	6.65	164	17073	10.100	ppb		99
46) Dibromochloromethane	6.87	129	17393	10.121	ppb		96
47] 1,2-Dibromoethane (EDB)	6.97	107	13012	10.001	ppb		98
48) Chlorobenzene	7.43	112	38578	10.147	ppb		99
49] Ethylbenzene	7.54	91	52353	10.433	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	16199	10.540	ppb		98
51] m,p-Xylene	7.65	106	46510	21.029	ppb		100
52] o-Xylene	8.01	106	22770	10.613	ppb	#	77
53) Styrene	8.03	104	34586	10.292	ppb		99
54) Isopropylbenzene	8.37	105	55399	10.117	ppb		99
55) Bromoform	8.20	173	11260	9.724	ppb		94
58) n-Propylbenzene	8.76	91	55967	10.697	ppb		97
59) Bromobenzene	8.65	156	19582	10.354	ppb		98
60) 1,3,5-Trimethylbenzene	8.93	105	45492	10.593	ppb		99
61) 1,1,2,2-Tetrachloroethane	8.65	83	11417	10.675	ppb		95
62) 1,2,3-Trichloropropane	8.69	75	8025	9.967	ppb		98
63) 2-Chlorotoluene	8.84	91	32873	11.102	ppb		98
64) 4-Chlorotoluene	8.94	91	37678	10.634	ppb		96
65) tert-Butylbenzene	9.24	119	46865	10.339	ppb		99
66) 1,2,4-Trimethylbenzene	9.29	105	46705	10.632	ppb		99
67) sec-Butylbenzene	9.46	105	58378	10.450	ppb		100
68) p-Isopropyltoluene	9.60	119	58138	10.564	ppb		99
69) 1,3-Dichlorobenzene	9.55	146	34194	10.098	ppb		97
70) 1,4-Dichlorobenzene	9.64	146	33844	10.403	ppb		96
71) 1,2-Dichlorobenzene	10.00	146	31981	9.978	ppb		99
72) 1,2-Dibromo-3-chloropr...	10.77	75	1859	9.973	ppb		90
73) 1,2,4-Trichlorobenzene	11.59	180	21459	10.082	ppb		98
74) Hexachlorobutadiene	11.77	225	13567	10.247	ppb		96
75) Naphthalene	11.83	128	46652	11.723	ppb		97
76) 1,2,3-Trichlorobenzene	12.07	180	20032	11.100	ppb		99

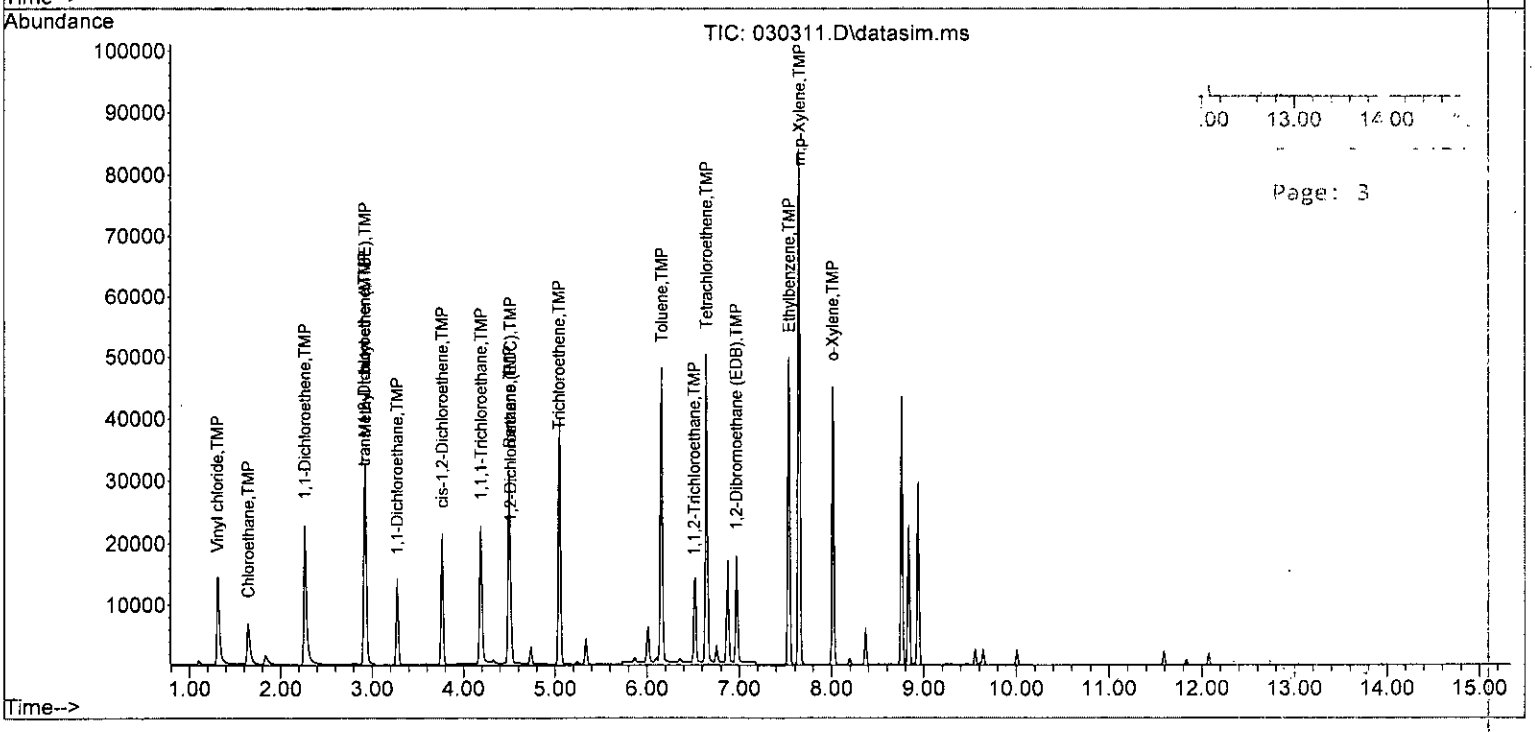
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030311.D
Acq On : 03 Mar 2023 10:11 am
Operator : lm
Sample : 03-0368 lcsd rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:09:57 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

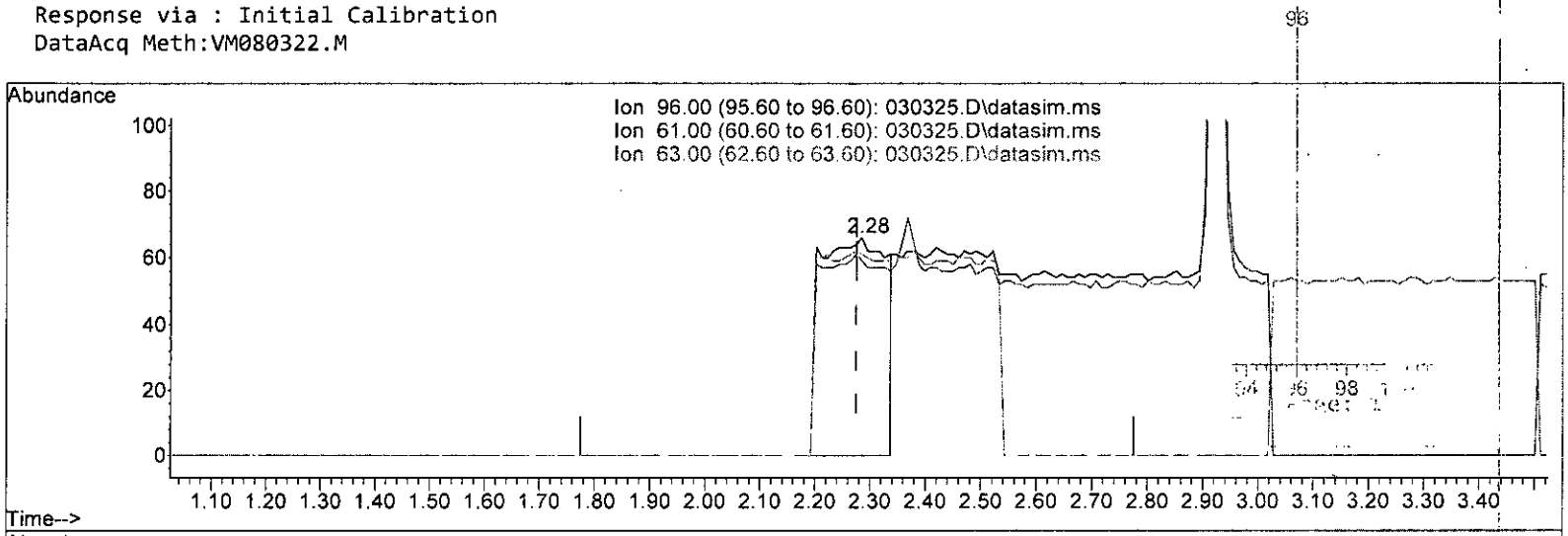


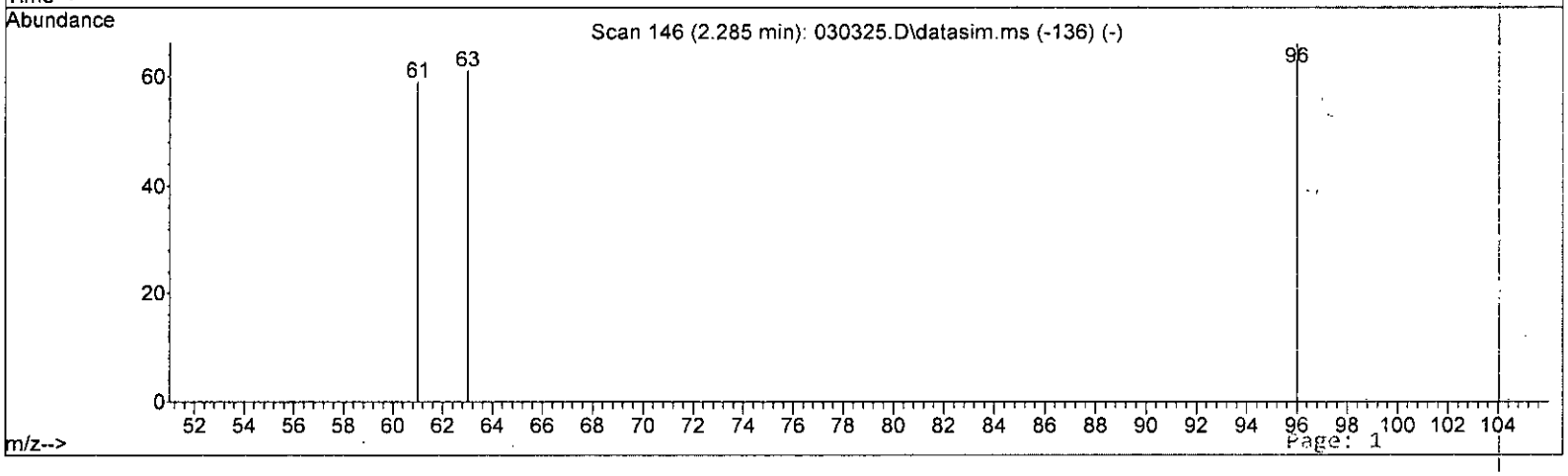


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.285min (+ 0.010) 0.280 ppb

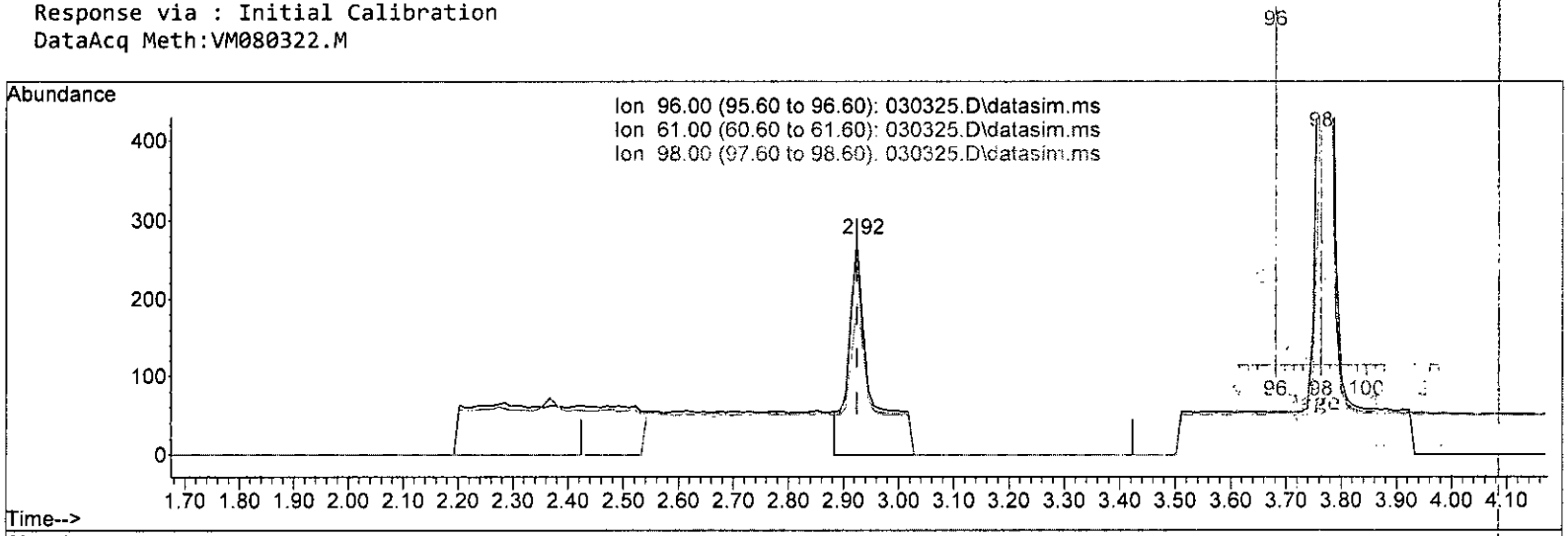
response 538

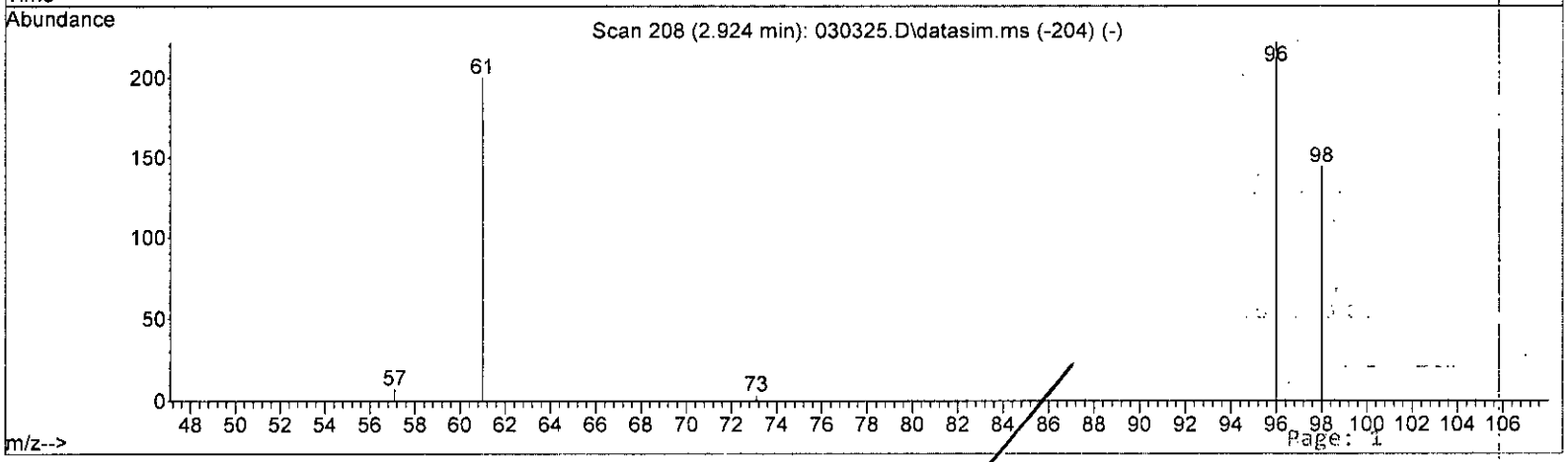
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	89.39
63.00	36.10	92.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

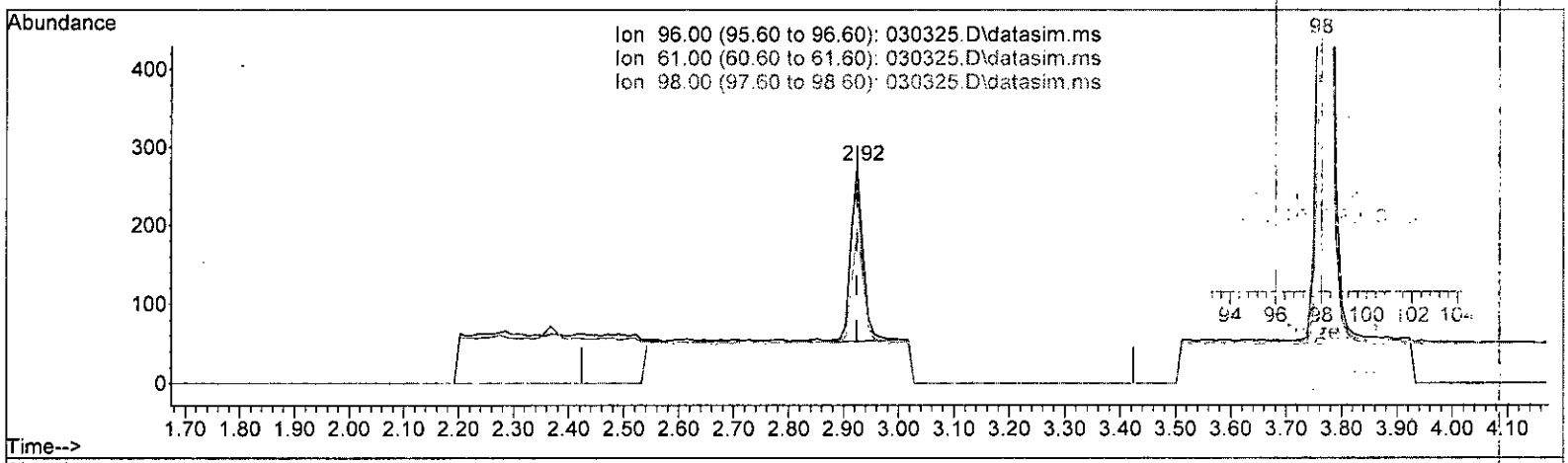
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.620 ppb
response 768

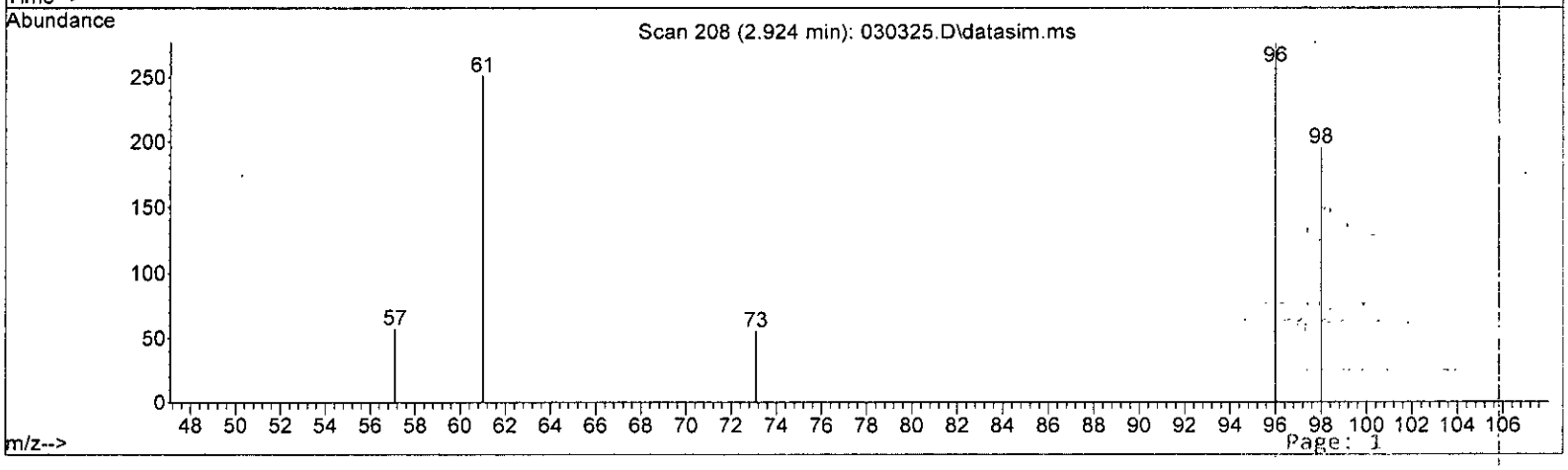
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	90.61
98.00	65.40	70.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.270 ppb m

response 335

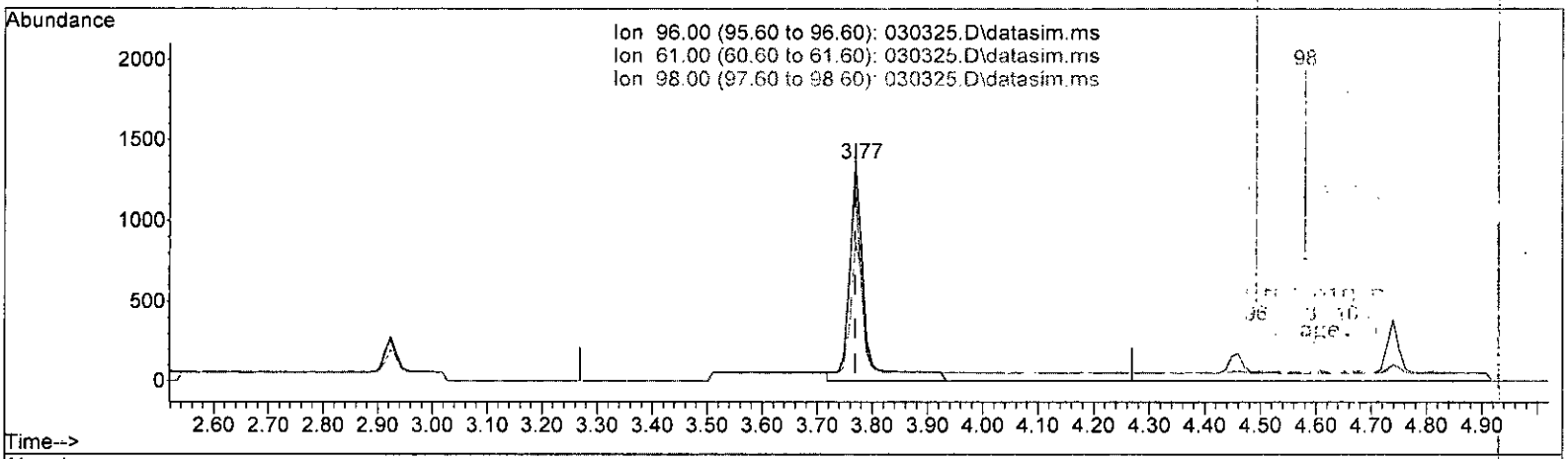
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	90.61
98.00	65.40	70.40
0.00	0.00	0.00

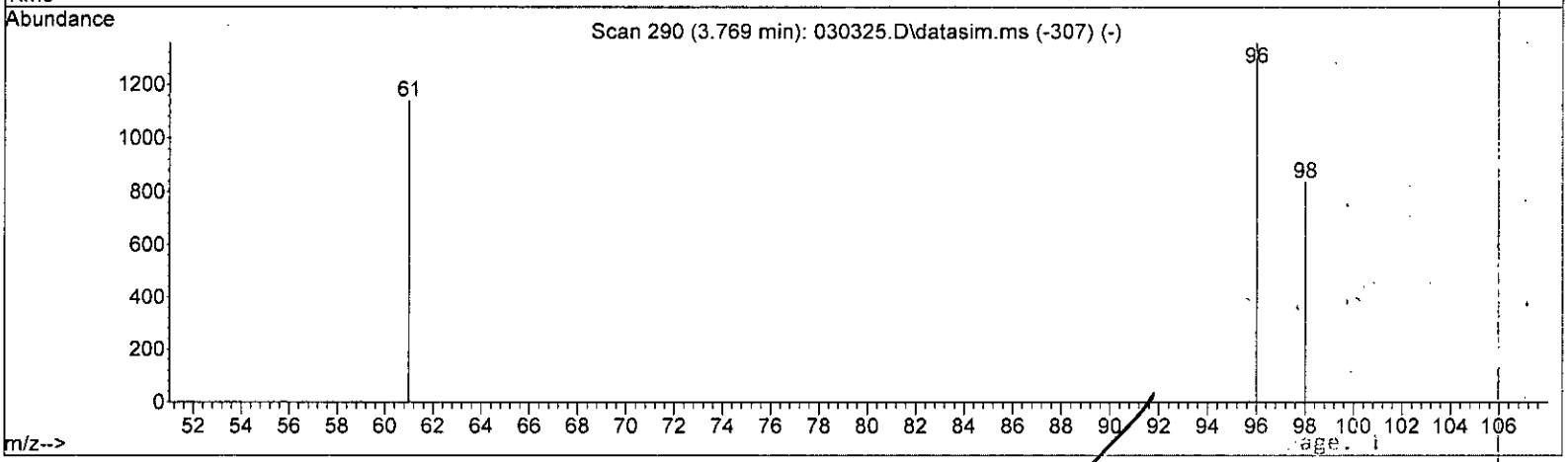
lm 3/6

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

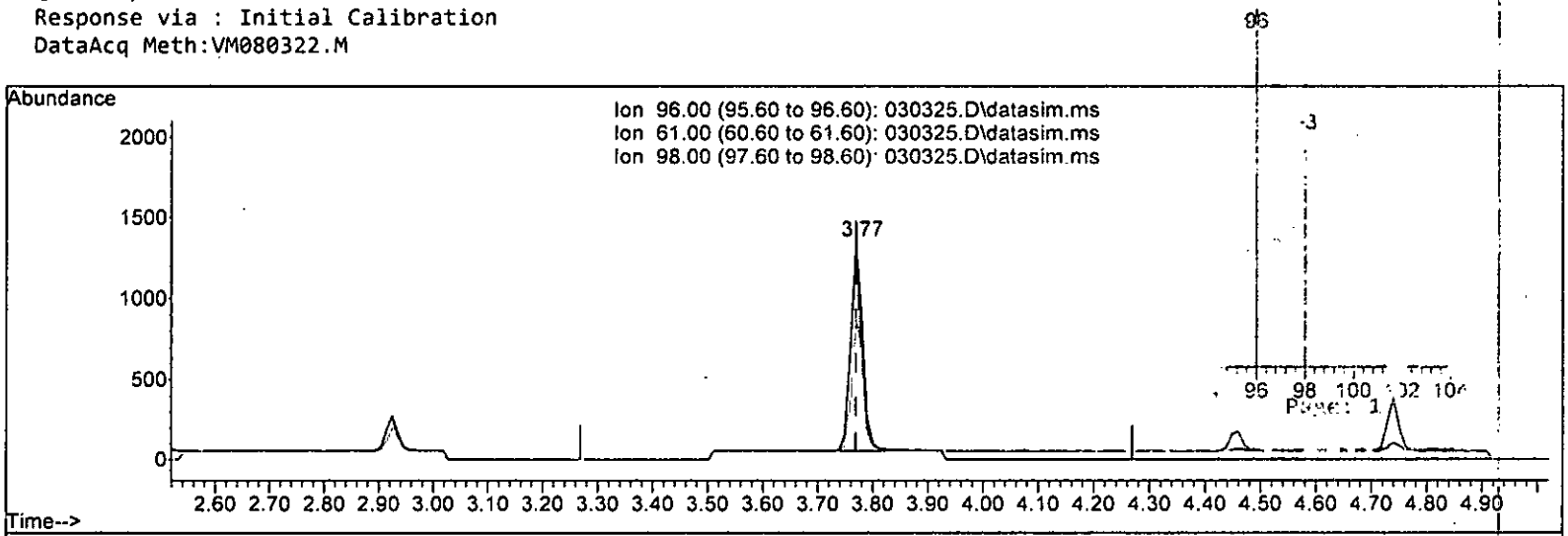
(22) cis-1,2-Dichloroethene (TMP)
3.769min (-0.000) 1.994 ppb
response 2622

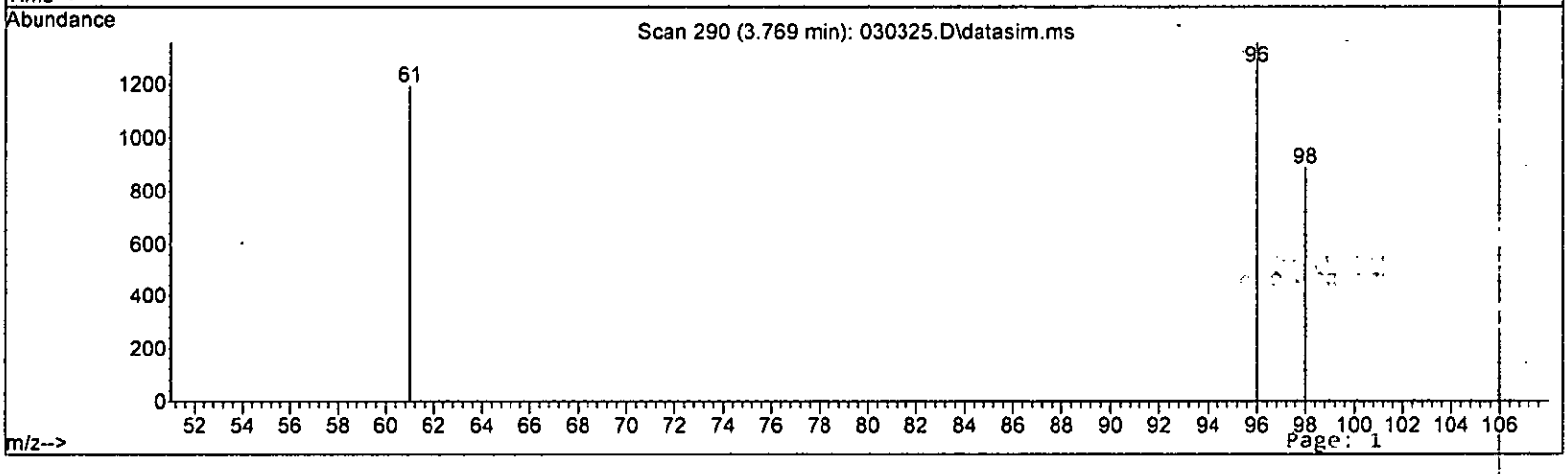
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	84.06
98.00	63.00	61.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.769min (~0.000) 1.476 ppb m

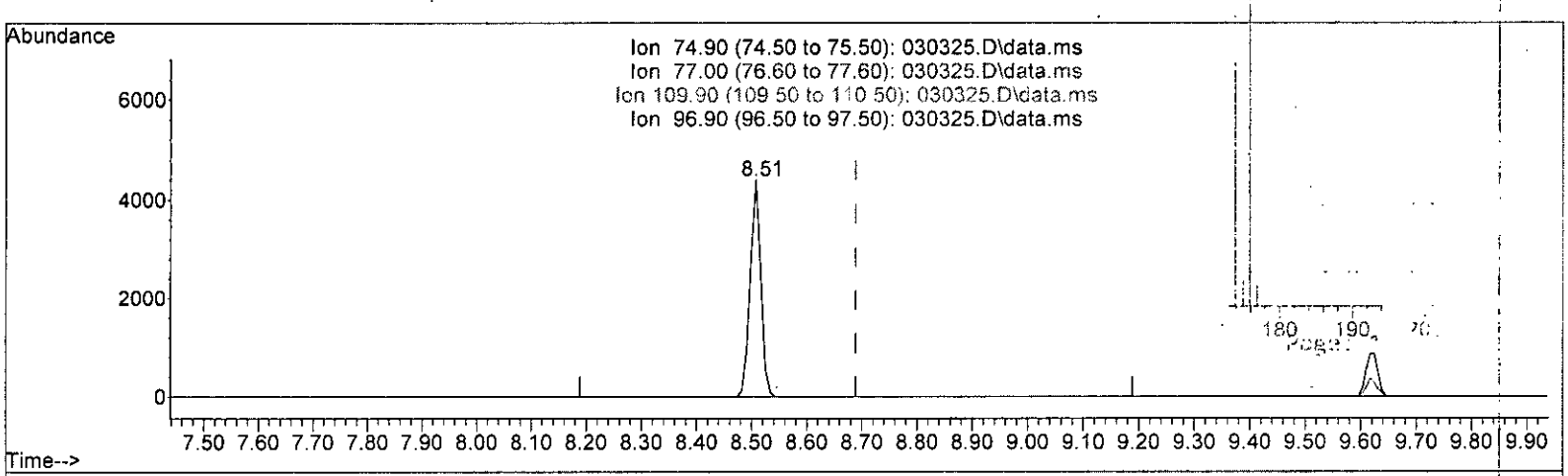
response 1941

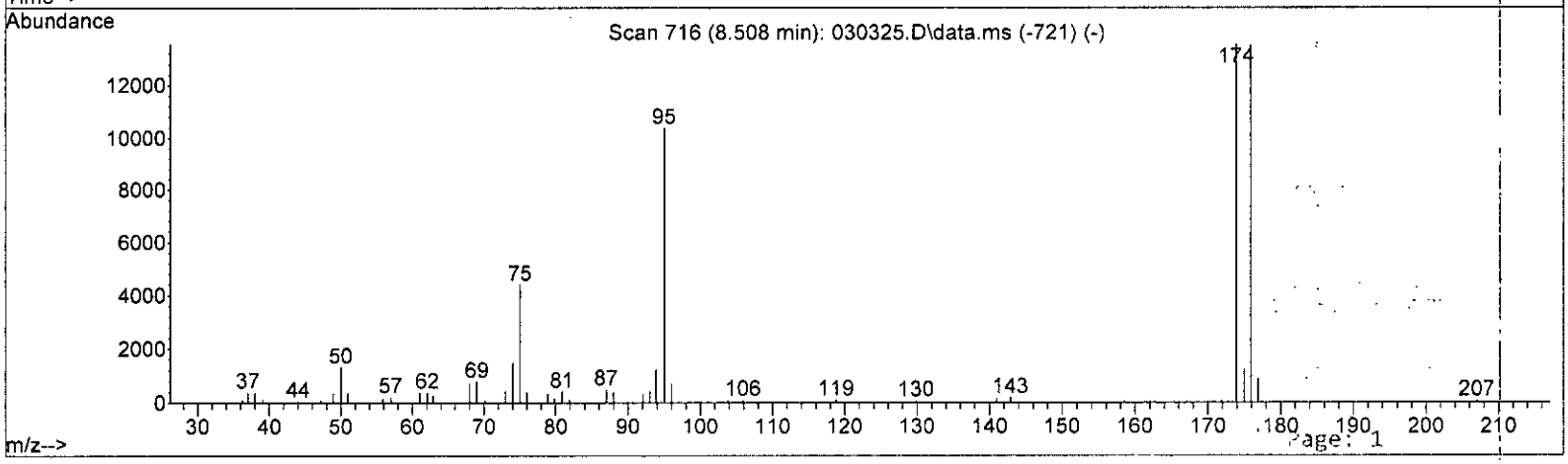
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	87.97
98.00	63.00	65.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.374 ppb
response 5927

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

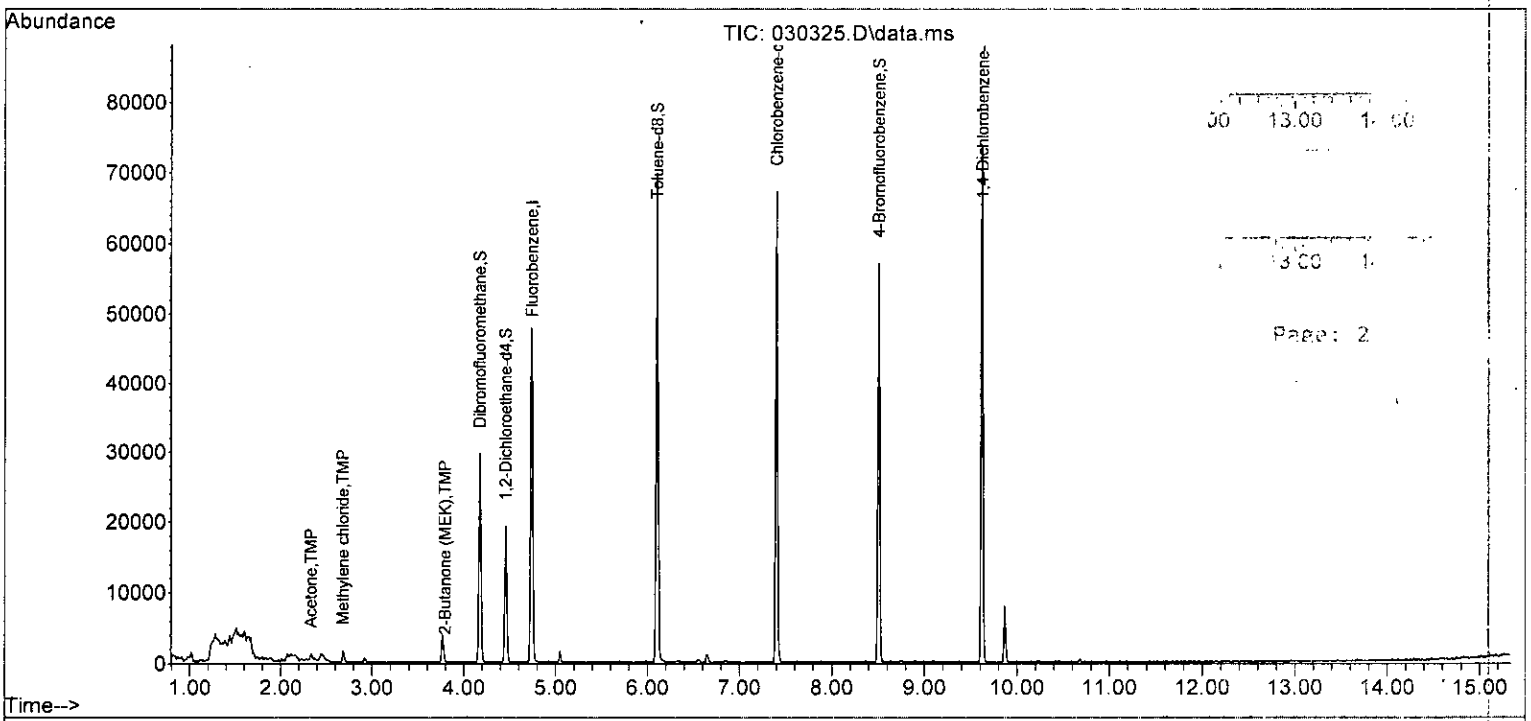
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	43571	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	40489	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22030	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14036	10.317	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%			
30) 1,2-Dichloroethane-d4	4.45	102	2853	10.562	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.60%			
35) Toluene-d8	6.11	98	42294	10.425	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.20%			
57) 4-Bromofluorobenzene	8.51	95	13785	10.149	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.50%			
Target Compounds						Qvalue
11) Acetone	2.33	58	300	2.061	ppb #	80
14) Methylene chloride	2.68	84	785	1.012	ppb	95
17] trans-1,2-Dichloroethene	2.92	96	335m	0.270	ppb	
22] cis-1,2-Dichloroethene	3.77	96	1941m	1.476	ppb	
24) 2-Butanone (MEK)	3.79	43	158	0.407	ppb	54
26] 1,2-Dichloroethane (EDC)	4.52	62	40	0.013	ppb	85
32] Trichloroethene	5.05	95	387	0.271	ppb	99
45] Tetrachloroethene	6.65	164	296	0.162	ppb	98
49] Ethylbenzene	7.54	91	28	Below Cal		93
51] m,p-Xylene	7.64	106	28	Below Cal		80

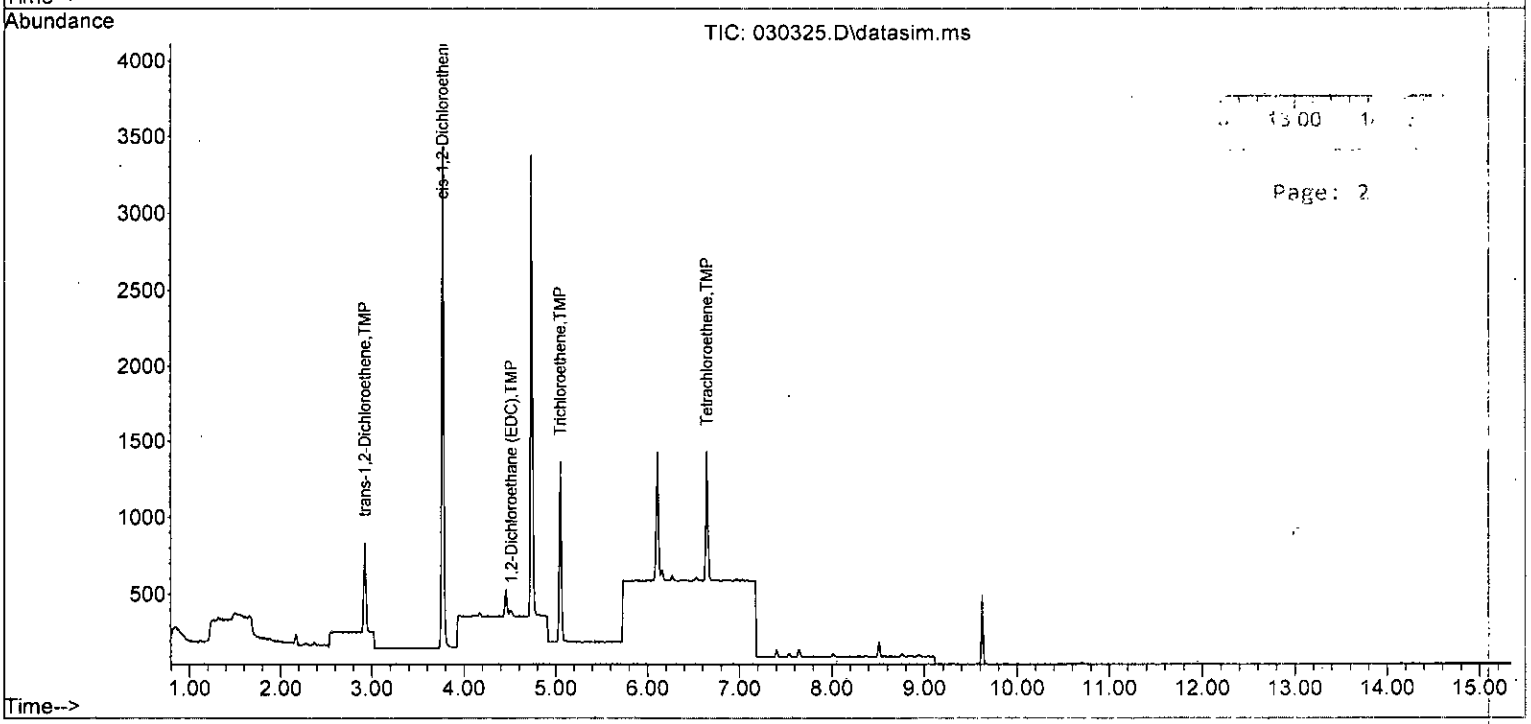
(#) = qualifier out of range (m) = manual integration (+) = signals summed

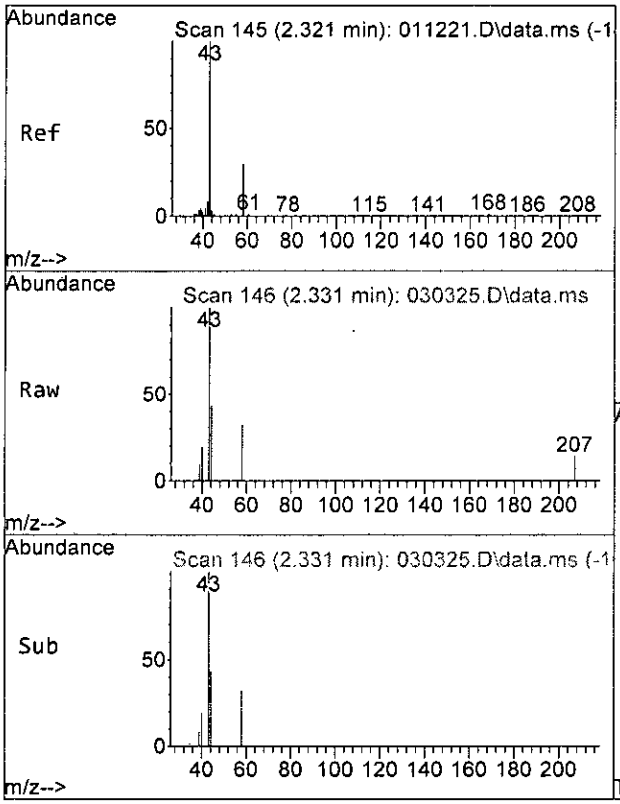
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



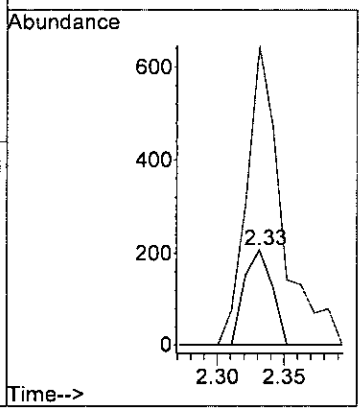


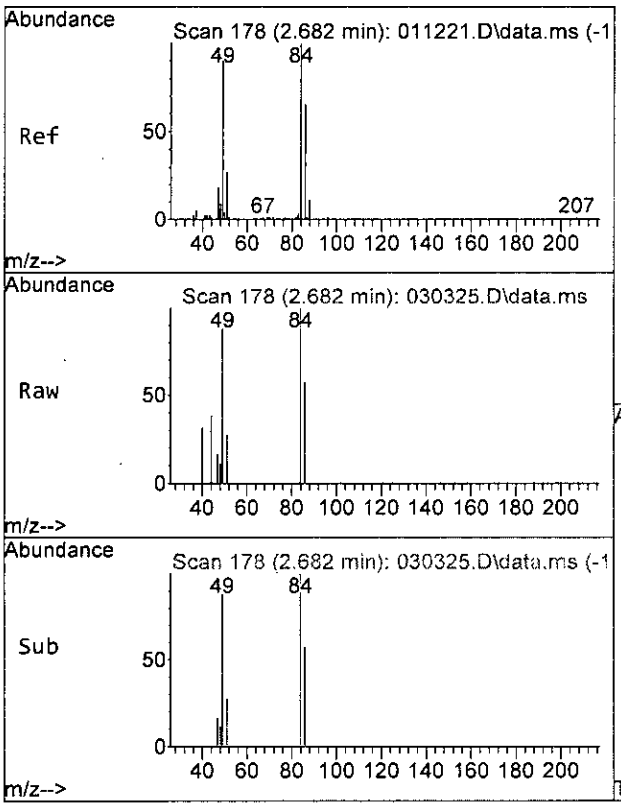


#11
Acetone
Concen: 2.061 ppb
RT: 2.33 min Scan# 146
Delta R.T. 0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 58 Resp: 300

Ion	Ratio	Lower	Upper
58	100		
43	395.0	320.8	380.8#

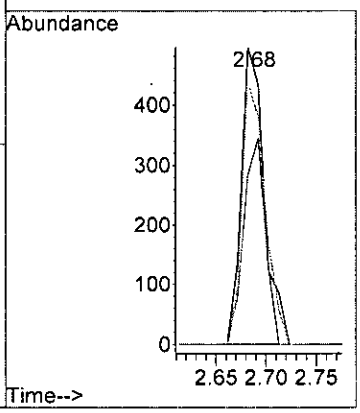


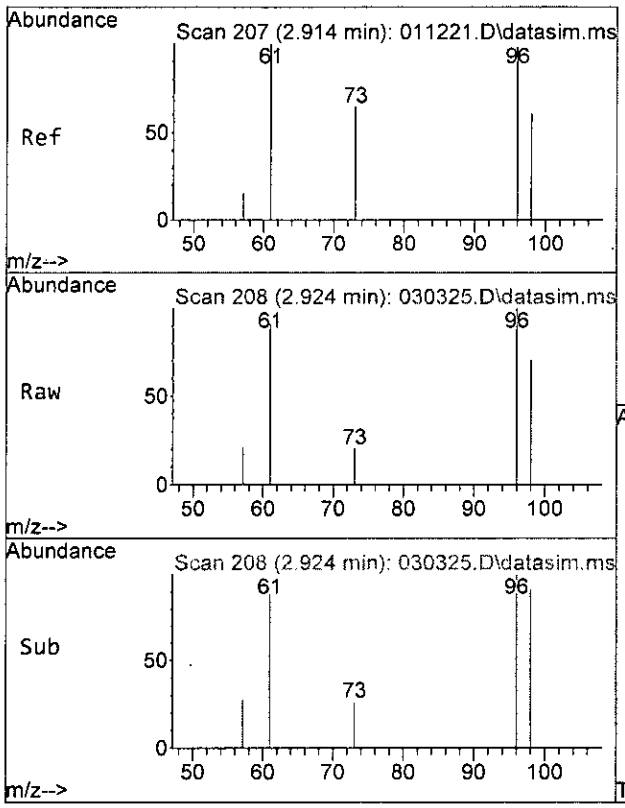


#14
Methylene chloride
Concen: 1.012 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 84 Resp: 785

Ion	Ratio	Lower	Upper
84	100		
86	57.3	35.3	95.3
49	88.5	57.8	117.8

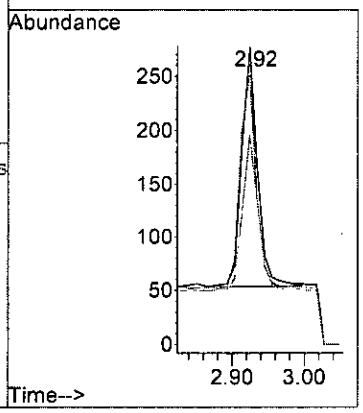


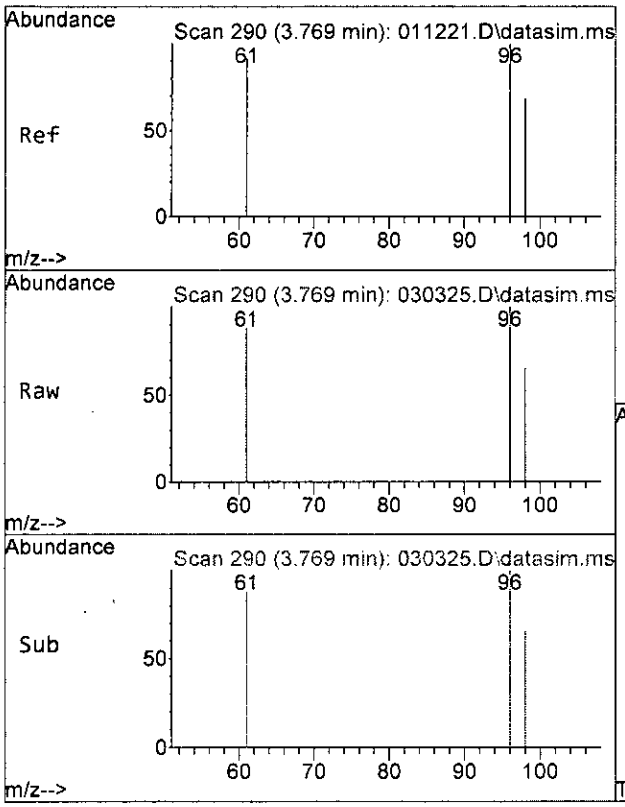


#17
trans-1,2-Dichloroethene
Concen: 0.270 ppb m
RT: 2.92 min Scan# 208
Delta R.T. 0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 96 Resp: 335

Ion	Ratio	Lower	Upper
96	100		
61	90.6	63.6	123.6
98	70.4	35.4	95.4

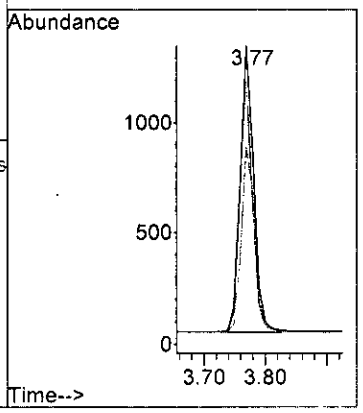


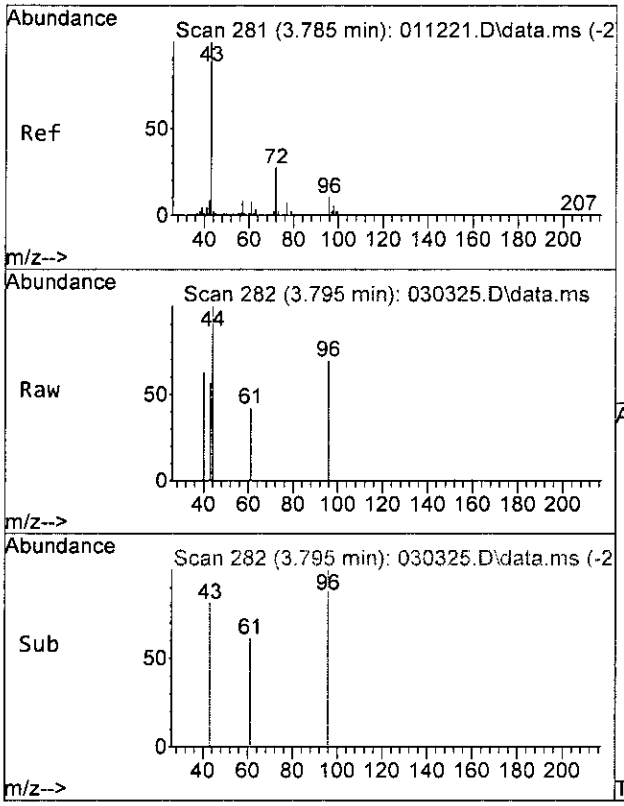


#22
cis-1,2-Dichloroethene
Concen: 1.476 ppb m
RT: 3.77 min Scan# 290
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 96 Resp: 1941

Ion	Ratio	Lower	Upper
96	100		
61	88.0	66.4	126.4
98	65.5	33.0	93.0

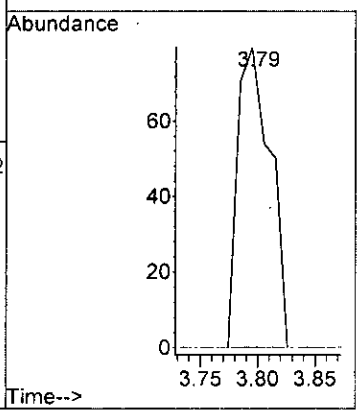


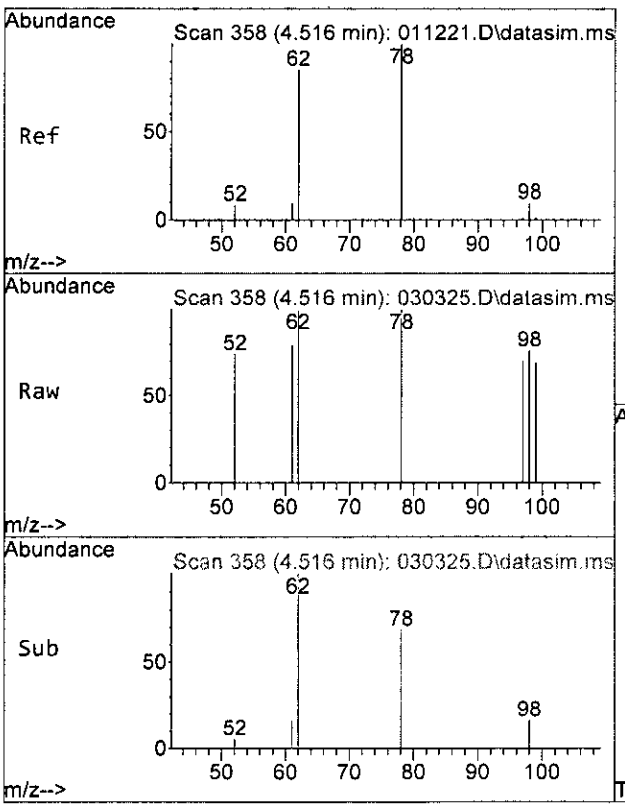


#24
2-Butanone (MEK)
Concen: 0.407 ppb
RT: 3.79 min Scan# 282
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 43 Resp: 158

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.1
57	0.0	0.0	27.4

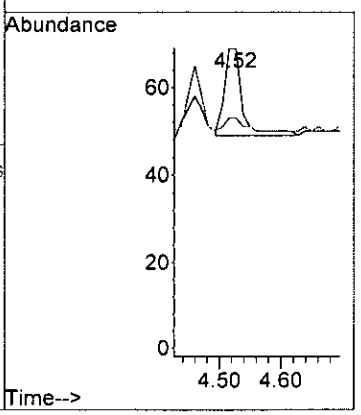


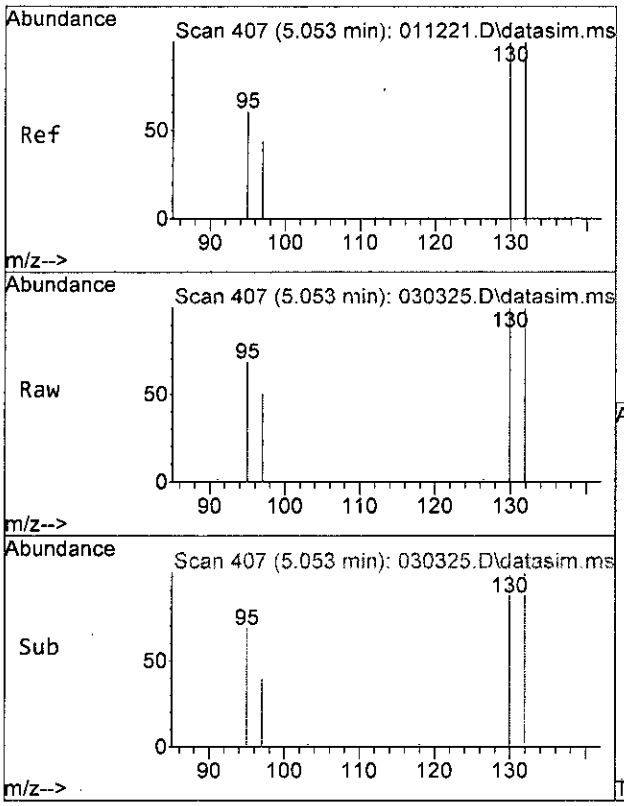


#26
1,2-Dichloroethane (EDC)
Concen: 0.013 ppb
RT: 4.52 min Scan# 358
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 62 Resp: 40

Ion	Ratio	Lower	Upper
62	100		
98	15.0	0.0	39.6

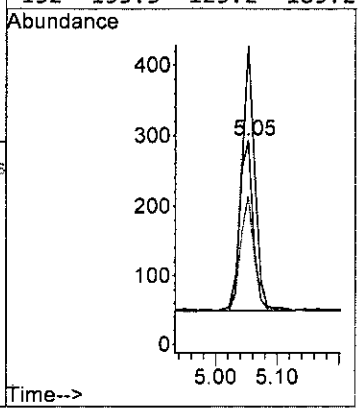


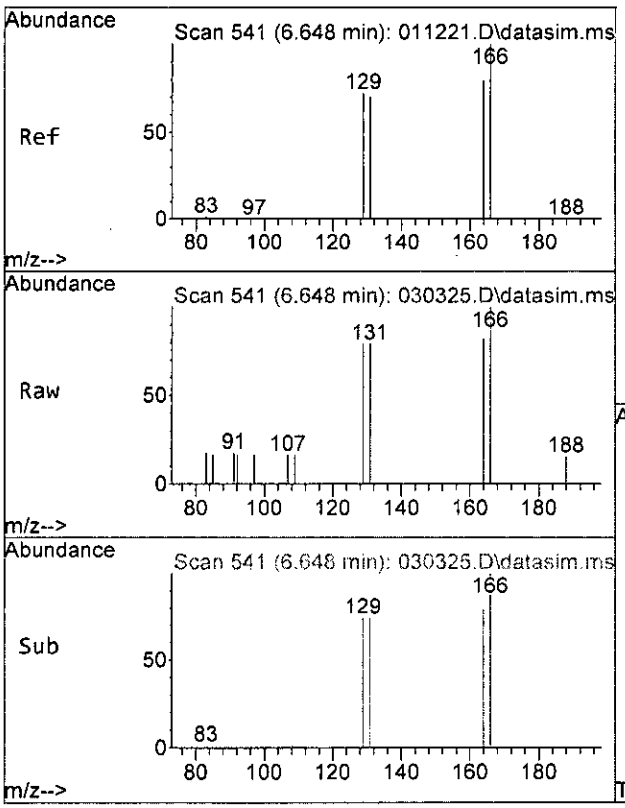


#32
Trichloroethene
Concen: 0.271 ppb
RT: 5.05 min Scan# 407
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 95 Resp: 387

Ion	Ratio	Lower	Upper
95	100		
97	68.4	38.8	98.8
130	155.7	128.2	188.2
132	155.3	125.2	185.2

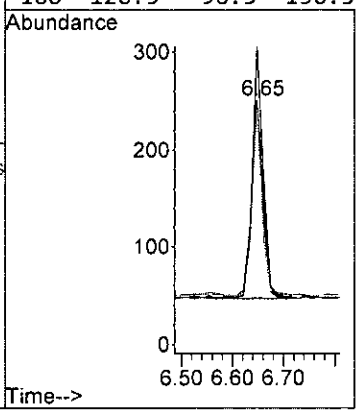




#45
Tetrachloroethene
Concen: 0.162 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion:164 Resp: 296

Ion	Ratio	Lower	Upper
164	100		
129	93.1	59.5	119.5
131	92.6	58.6	118.6
166	126.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	43571	10.000	ppb		0.01
39) Chlorobenzene-d5	7.40	117	40489	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22030	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14036	10.317	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%				
30) 1,2-Dichloroethane-d4	4.45	102	2853	10.562	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.60%				
35) Toluene-d8	6.11	98	42294	10.425	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.20%				
57) 4-Bromofluorobenzene	8.51	95	13785	10.149	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.50%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	1681	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	1.58	94	813	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	300	2.061	ppb	#	80
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.68	84	785	1.012	ppb		95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.92	96	335m	0.270	ppb		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	1941m	1.476	ppb		
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	158	0.407	ppb		54
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	40	0.013	ppb		85
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	46	N.D.			
32] Trichloroethene	5.05	95	387	0.271	ppb		99
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

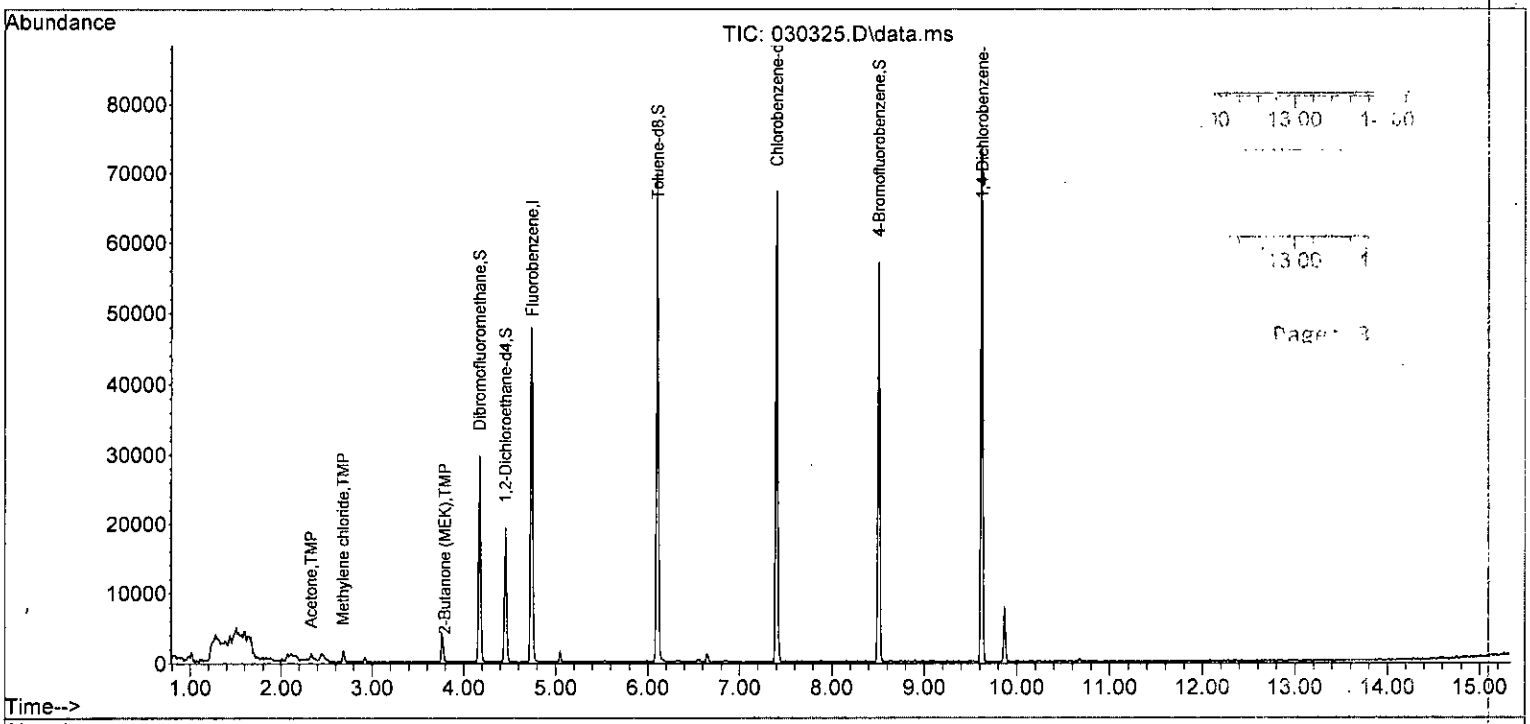
Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

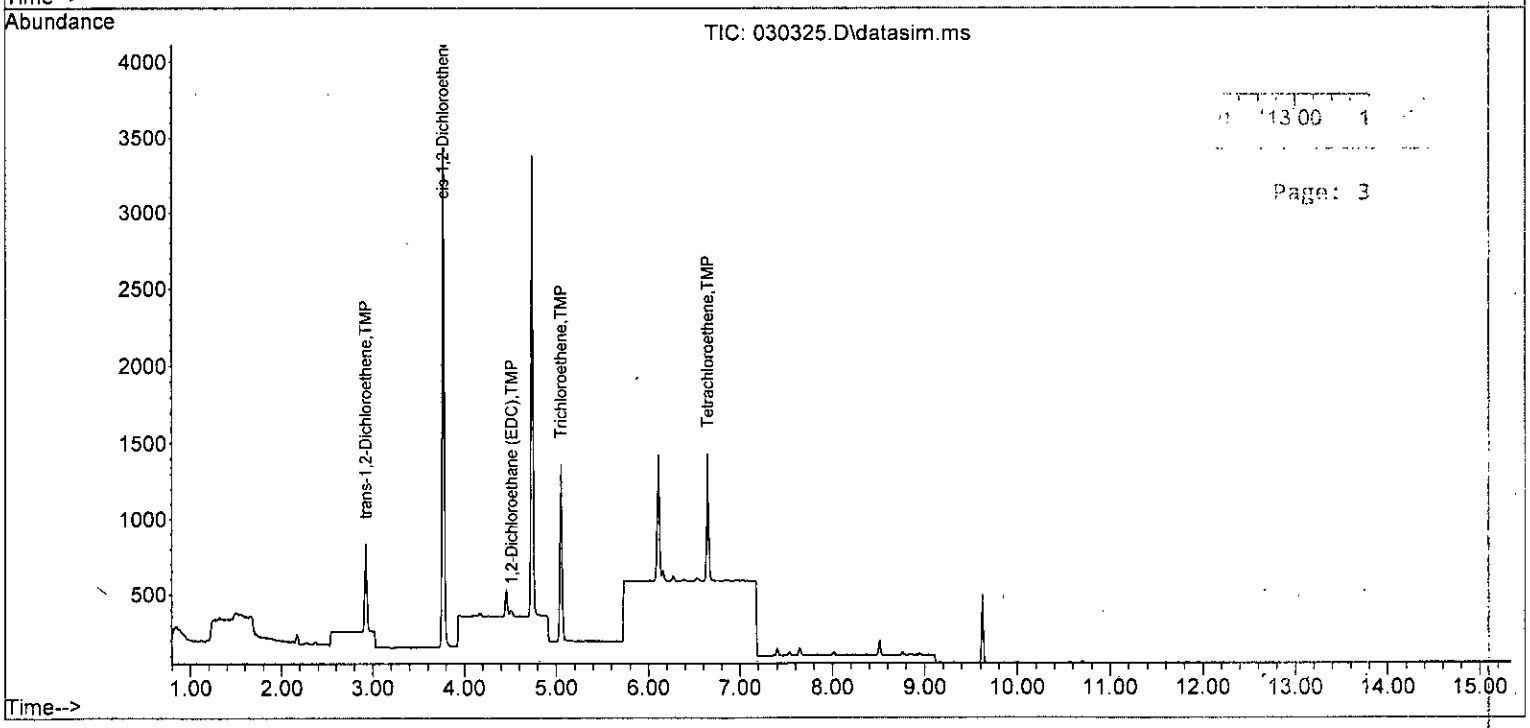
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.16	92	38	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	31	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	296	0.162 ppb	98
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	28	Below Cal	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	28	Below Cal	80
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030331.D
Acq On : 03 Mar 2023 05:54 pm
Operator : lm
Sample : 302330-02 ms
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.73	96	41863	10.000	ppb		0.00
39) Chlorobenzene-d5	7.40	117	39883	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22835	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	13592	10.399	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.00%				
30) 1,2-Dichloroethane-d4	4.45	102	2711	10.446	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 104.50%				
35) Toluene-d8	6.11	98	42502	10.904	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 109.00%				
57) 4-Bromofluorobenzene	8.51	95	14449	10.263	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 102.60%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	1.10	85	34695	11.358	ppb		98
5) Chloromethane	1.24	50	21680	10.360	ppb		85
6] Vinyl chloride	1.31	62	22851	9.842	ppb		90
7) Bromomethane	1.56	94	21566	10.547	ppb		98
8] Chloroethane	1.65	64	11849	10.443	ppb		99
9) Trichlorofluoromethane	1.83	101	56025	10.143	ppb		97
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.32	58	5419	57.543	ppb		97
12] 1,1-Dichloroethene	2.26	96	21049	11.422	ppb		96
13) Hexane	3.16	57	9799	10.153	ppb		98
14) Methylene chloride	2.68	84	10924	11.047	ppb		98
15) t-Butyl alcohol (TBA)	2.81	59	5060	58.291	ppb		100
16] Methyl t-butyl ether (...	2.92	73	26699	11.551	ppb		99
17] trans-1,2-Dichloroethene	2.91	96	13199	11.090	ppb		96
18) Diisopropyl ether (DIPE)	3.34	45	21972	10.906	ppb		98
19] 1,1-Dichloroethane	3.27	63	14967	10.938	ppb		93
20) Ethyl t-butyl ether (E...	3.65	87	12694	10.820	ppb		93
21) 2,2-Dichloropropane	3.76	77	10766	10.297	ppb		90
22] cis-1,2-Dichloroethene	3.77	96	15995	12.658	ppb		89
23) Chloroform	4.04	83	18887	10.501	ppb		97
24) 2-Butanone (MEK)	3.78	43	18999	50.947	ppb		99
25) t-Amyl methyl ether (T...	4.60	73	24220	11.207	ppb		97
26] 1,2-Dichloroethane (EDC)	4.52	62	12338	10.417	ppb		95
27] 1,1,1-Trichloroethane	4.19	97	21064	11.527	ppb		94
28) 1,1-Dichloropropene	4.32	75	13172	10.728	ppb		96
29) Carbon tetrachloride	4.32	117	21533	10.009	ppb		94
31] Benzene	4.50	78	39211	11.061	ppb		96
32] Trichloroethene	5.04	95	13912	10.587	ppb	#	76
33) 1,2-Dichloropropane	5.24	63	8123	11.223	ppb		99
34) Bromodichloromethane	5.48	83	13915	9.988	ppb		99
36) Dibromomethane	5.34	93	7753	10.802	ppb		91

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030331.D
Acq On : 03 Mar 2023 05:54 pm
Operator : lm
Sample : 302330-02 ms
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

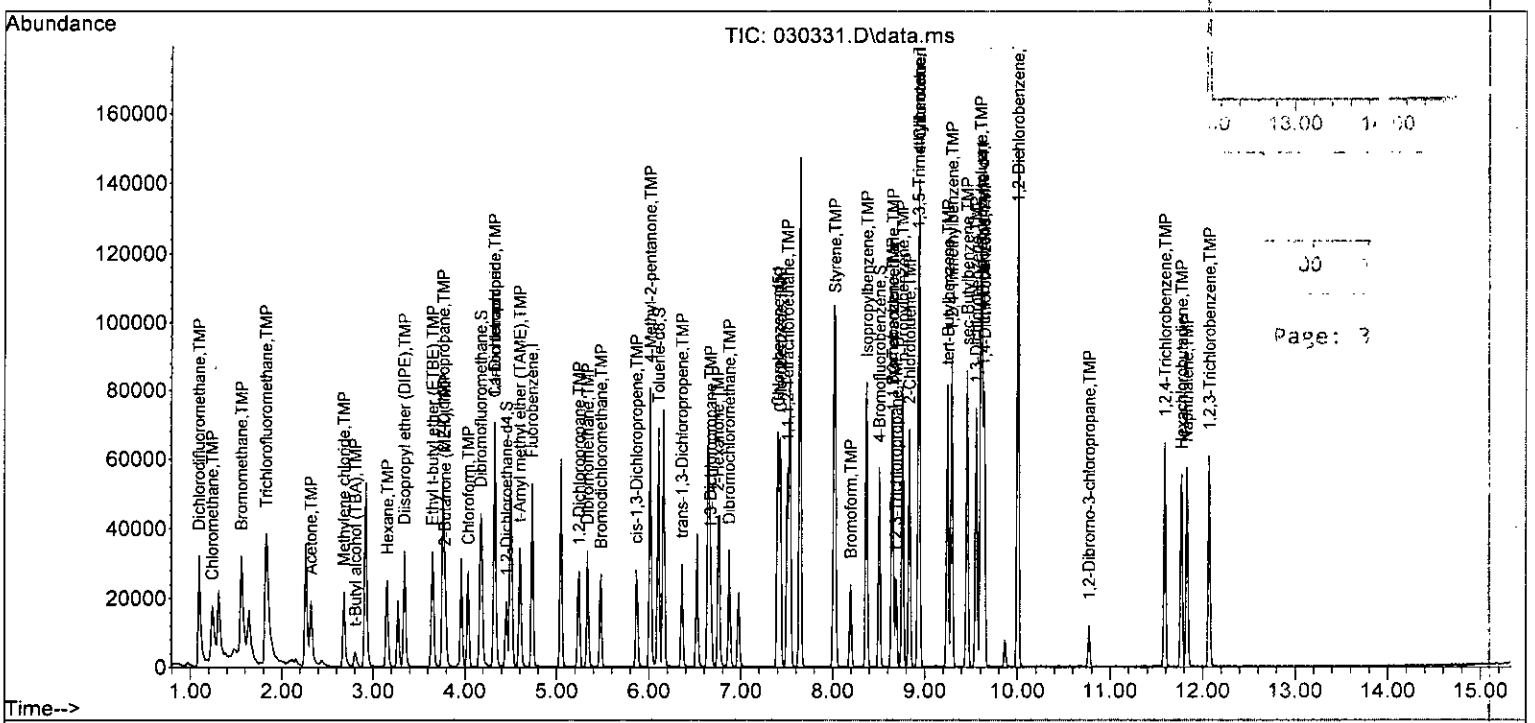
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	6.01	85	9832	54.658	ppb		97
38) cis-1,3-Dichloropropene	5.86	75	13462	10.512	ppb		94
40] Toluene	6.16	92	28878	10.240	ppb		99
41) trans-1,3-Dichloropropene	6.36	75	12521	9.925	ppb		97
42] 1,1,2-Trichloroethane	6.51	83	8208	10.145	ppb	#	71
43) 2-Hexanone	6.75	43	29259	50.818	ppb		97
44) 1,3-Dichloropropane	6.67	76	13833	10.205	ppb		97
45] Tetrachloroethene	6.65	164	17383	10.137	ppb		99
46) Dibromochloromethane	6.87	129	17893	10.264	ppb		99
47] 1,2-Dibromoethane (EDB)	6.97	107	13768	10.432	ppb		98
48) Chlorobenzene	7.43	112	38485	9.979	ppb		98
49] Ethylbenzene	7.54	91	52246	10.264	ppb		99
50) 1,1,1,2-Tetrachloroethane	7.51	131	16199	10.390	ppb		96
51] m,p-Xylene	7.64	106	46275	20.626	ppb		80
52] o-Xylene	8.01	106	22627	10.396	ppb	#	77
53) Styrene	8.03	104	33098	9.709	ppb		100
54) Isopropylbenzene	8.37	105	54870	9.878	ppb		99
55) Bromoform	8.20	173	11323	9.640	ppb		93
58) n-Propylbenzene	8.76	91	54036	9.981	ppb		98
59) Bromobenzene	8.65	156	19142	9.782	ppb		99
60) 1,3,5-Trimethylbenzene	8.93	105	44706	10.060	ppb		100
61) 1,1,2,2-Tetrachloroethane	8.65	83	11868	10.724	ppb		98
62) 1,2,3-Trichloropropane	8.69	75	8368	10.044	ppb		97
63) 2-Chlorotoluene	8.84	91	31297	10.210	ppb		100
64) 4-Chlorotoluene	8.94	91	36816	10.042	ppb		98
65) tert-Butylbenzene	9.25	119	44906	9.574	ppb		96
66) 1,2,4-Trimethylbenzene	9.29	105	45028	9.906	ppb		99
67) sec-Butylbenzene	9.46	105	56455	9.767	ppb		99
68) p-Isopropyltoluene	9.60	119	55902	9.816	ppb		97
69) 1,3-Dichlorobenzene	9.55	146	32988	9.414	ppb		99
70) 1,4-Dichlorobenzene	9.64	146	33253	9.878	ppb		98
71) 1,2-Dichlorobenzene	10.01	146	31689	9.555	ppb		98
72) 1,2-Dibromo-3-chloropr...	10.77	75	2045	10.603	ppb		92
73) 1,2,4-Trichlorobenzene	11.59	180	21195	9.623	ppb		95
74) Hexachlorobutadiene	11.77	225	12089	8.824	ppb		92
75) Naphthalene	11.83	128	47338	11.502	ppb		98
76) 1,2,3-Trichlorobenzene	12.07	180	19945	10.689	ppb		100

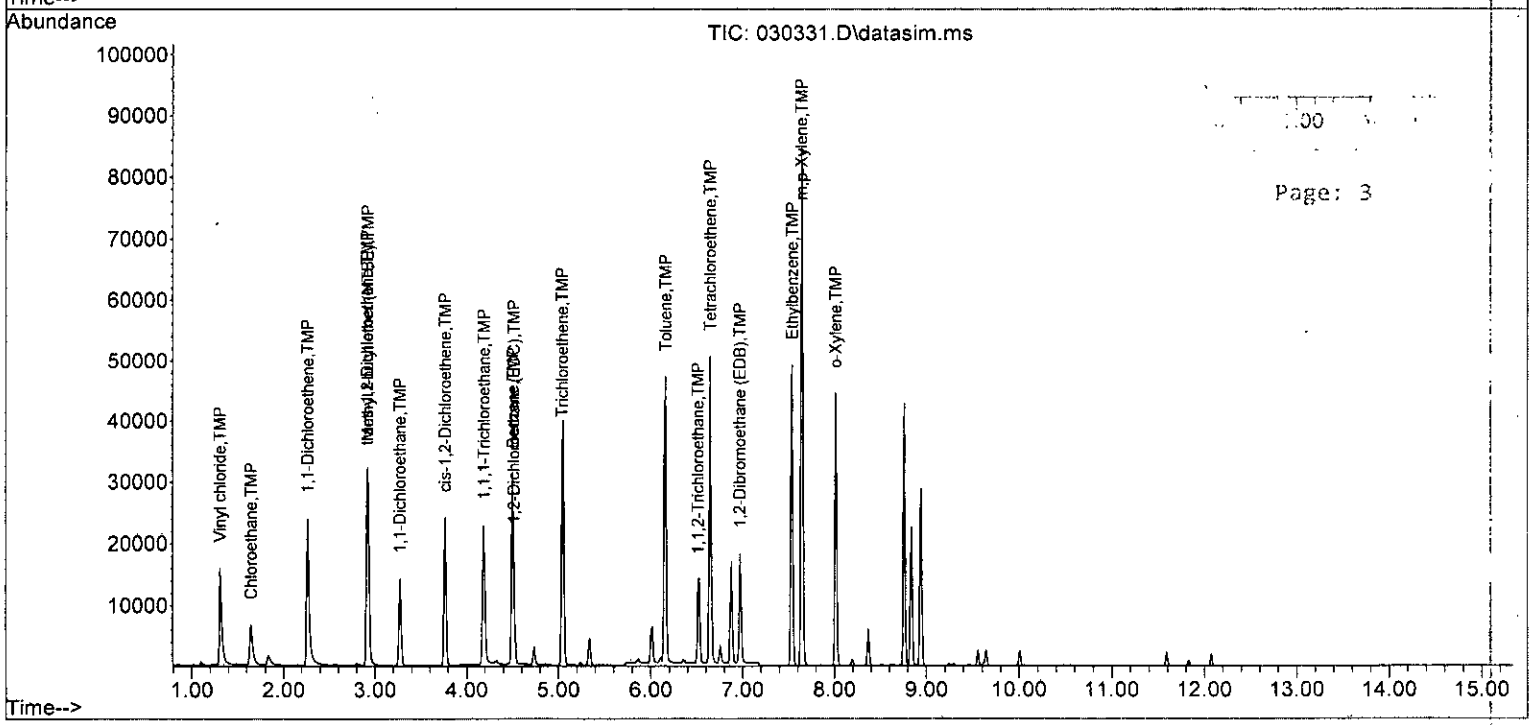
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030331.D
Acq On : 03 Mar 2023 05:54 pm
Operator : lm
Sample : 302330-02 ms
Misc : water
ALS Vial : 21 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:50 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



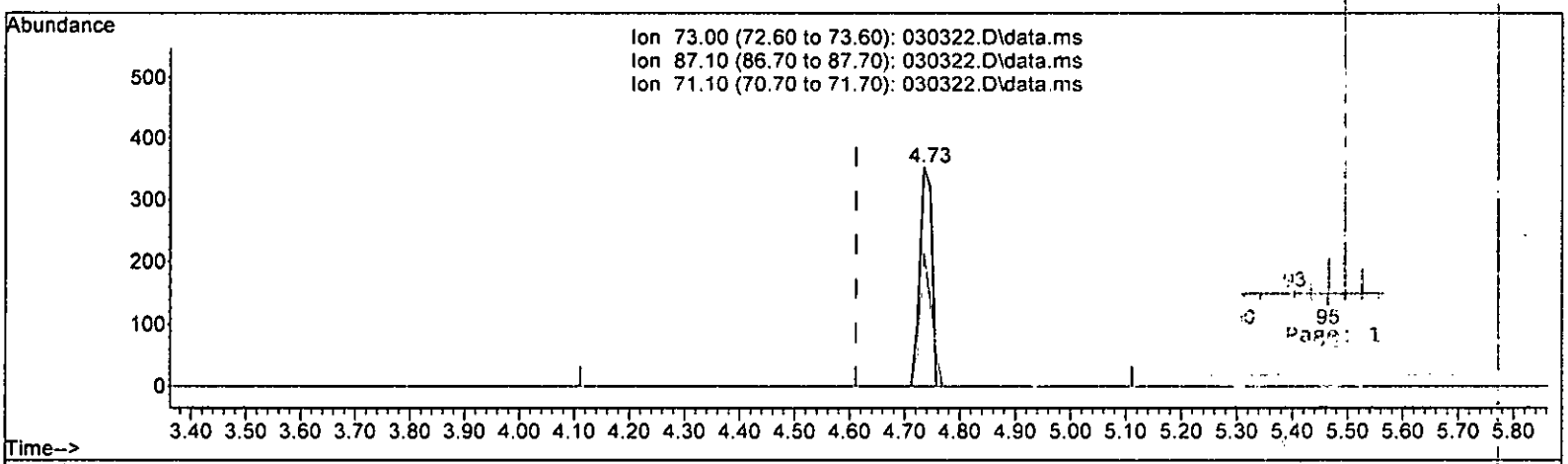


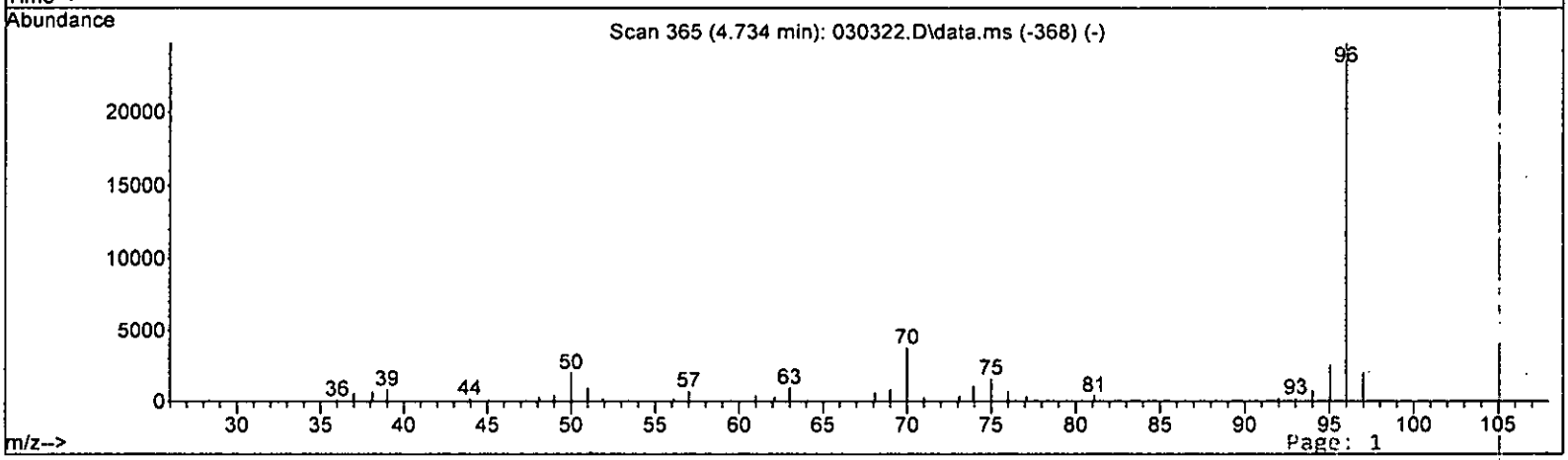
EPA 8260D
Sample Data

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030322.D\data.ms

(25) t-Amyl methyl ether (TAME) (TMP)

4.734min (+ 0.123) 0.225 ppb

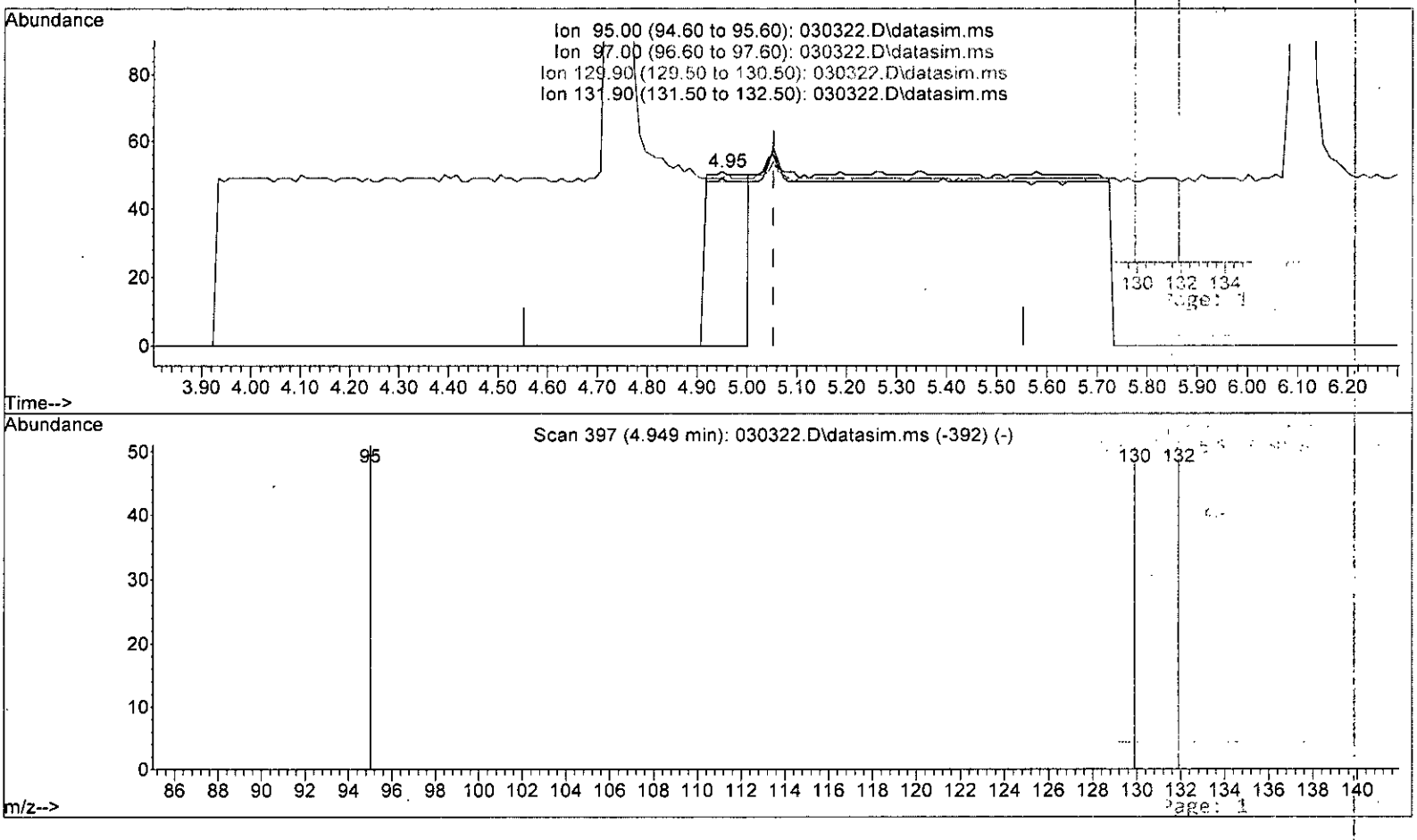
response 521

Ion	Exp%	Act%
73.00	100.00	100.00
87.10	32.40	0.00#
71.10	11.40	60.34#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030322.D\data.ms

(32) Trichloroethene (TMP)

4.949min (-0.104) 0.190 ppb

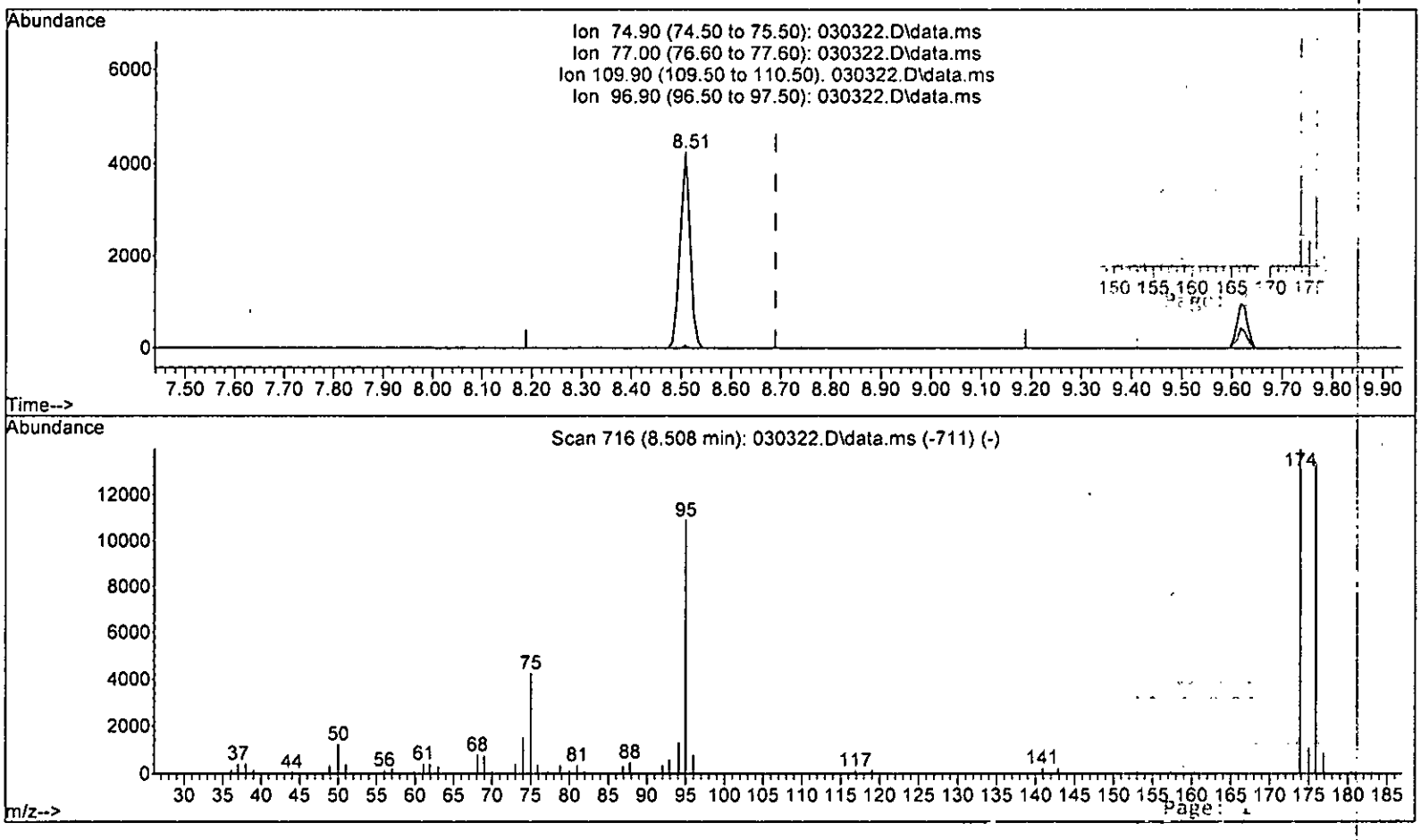
response 284

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	0.00#
129.90	158.20	94.12#
131.90	155.20	96.08#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030322.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.071 ppb
response 5879

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	1.30#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

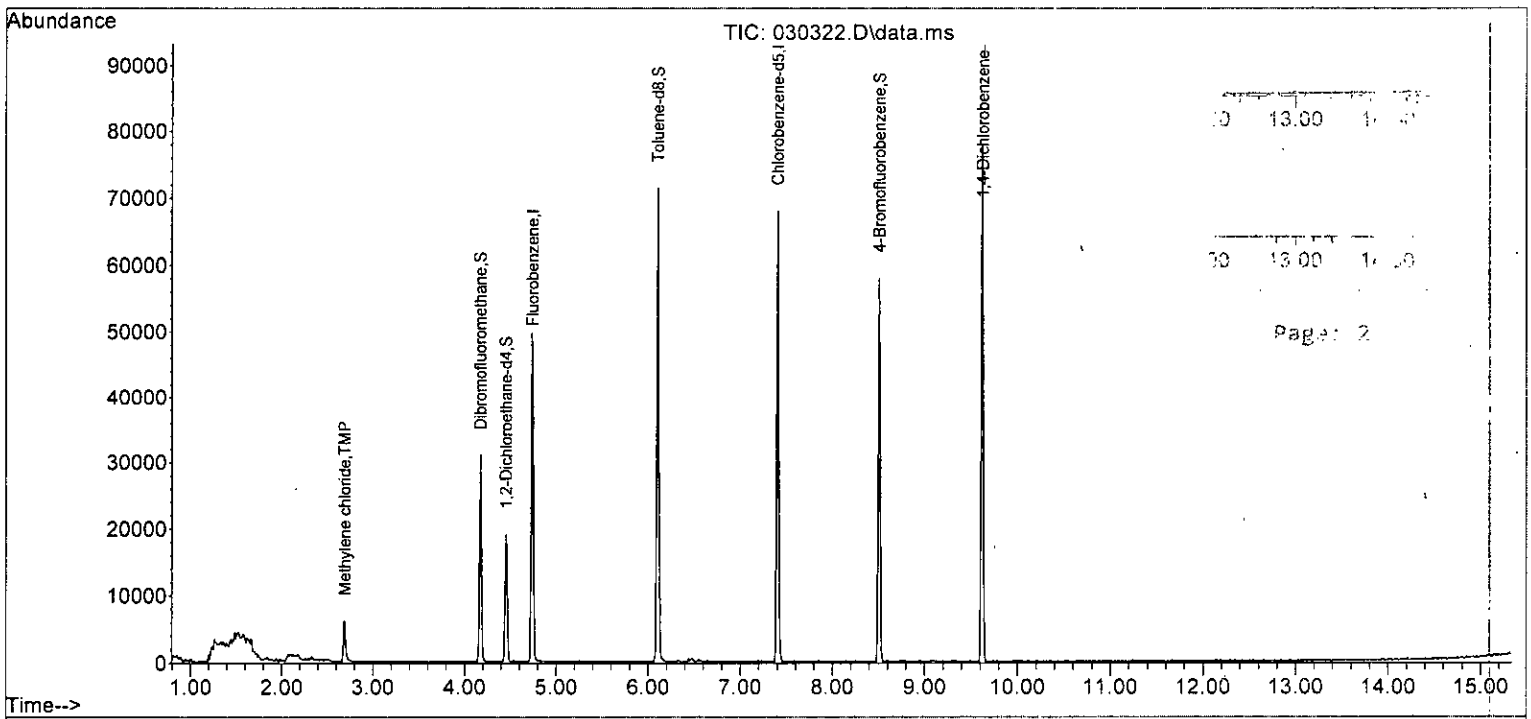
Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

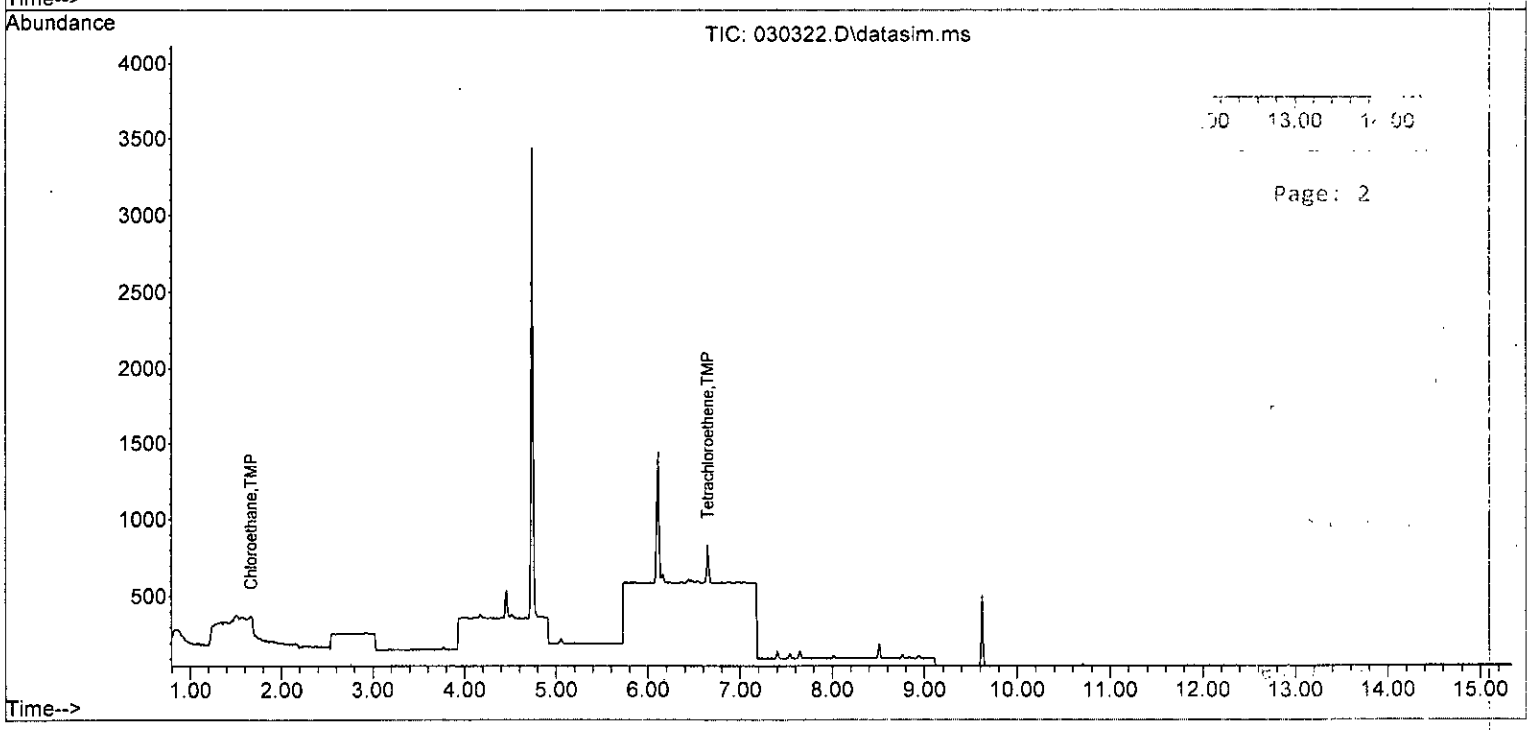
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.75	96	44824	10.000 ppb	0.01
39) Chlorobenzene-d5	7.40	117	41908	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22790	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	14300	10.218 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.20%		
30) 1,2-Dichloroethane-d4	4.45	102	2811	10.116 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 101.20%		
35) Toluene-d8	6.11	98	43589	10.444 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.40%		
57) 4-Bromofluorobenzene	8.51	95	14585	10.380 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.80%		
Target Compounds					Qvalue
8] Chloroethane	1.67	64	148	0.243 ppb #	1
11) Acetone	2.33	58	51	Below Cal #	1
14) Methylene chloride	2.69	84	3366	3.370 ppb	91
40] Toluene	6.16	92	28	Below Cal	99
45] Tetrachloroethene	6.65	164	82	0.038 ppb	91
49] Ethylbenzene	7.54	91	31	Below Cal	99
51] m,p-Xylene	7.65	106	26	Below Cal	91

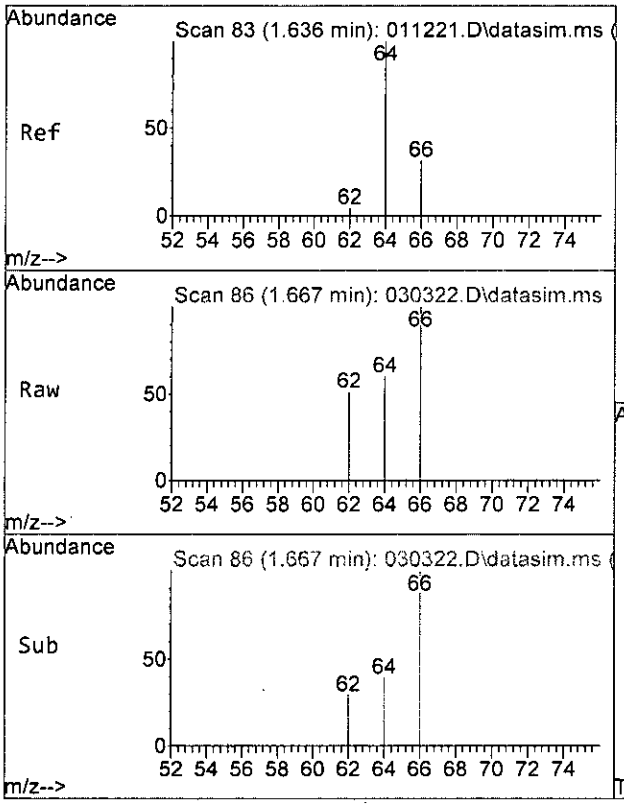
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



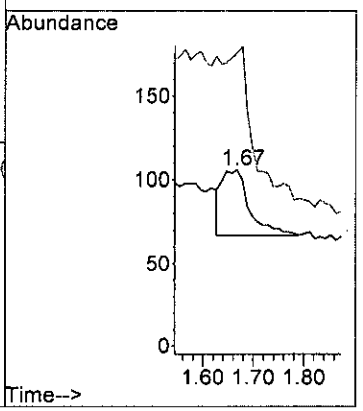


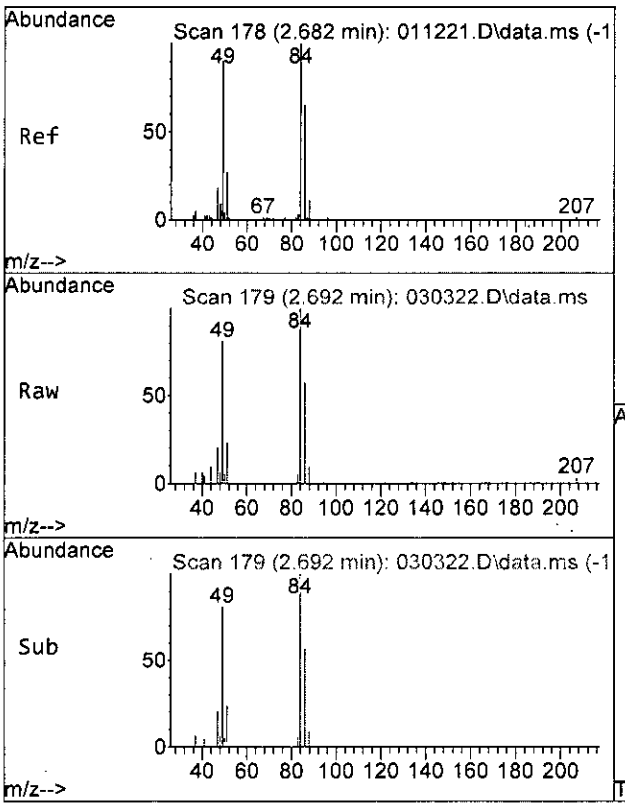


#8
Chloroethane
Concen: 0.243 ppb
RT: 1.67 min Scan# 86
Delta R.T. 0.010 min
Lab File: 030322.D
Acq: 03 Mar 2023 02:25 pm

Tgt Ion: 64 Resp: 148

Ion	Ratio	Lower	Upper
64	100		
66	223.1	5.3	65.3#

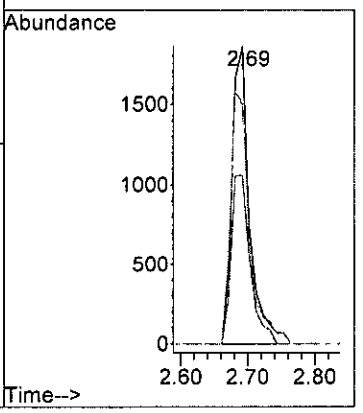


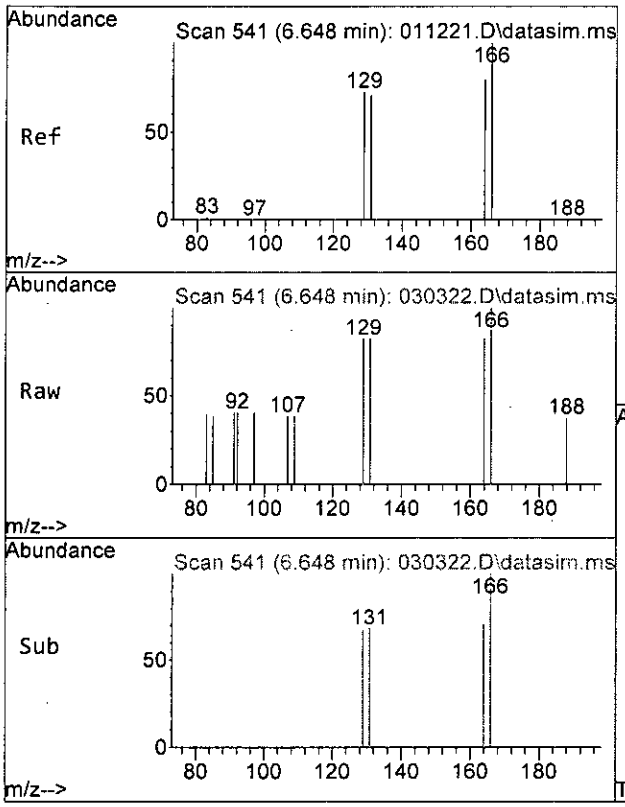


#14
Methylene chloride
Concen: 3.370 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030322.D
Acq: 03 Mar 2023 02:25 pm

Tgt Ion: 84 Resp: 3366

Ion	Ratio	Lower	Upper
84	100		
86	57.2	35.3	95.3
49	81.1	57.8	117.8

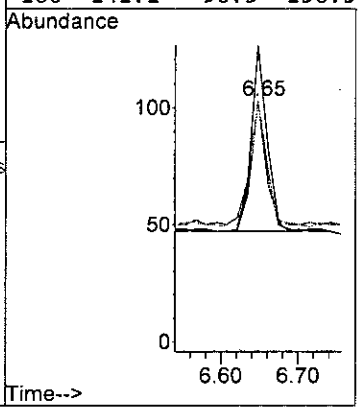




#45
Tetrachloroethene
Concen: 0.038 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030322.D
Acq: 03 Mar 2023 02:25 pm

Tgt Ion:164 Resp: 82

Ion	Ratio	Lower	Upper
164	100		
129	94.6	59.5	119.5
131	94.6	58.6	118.6
166	141.1	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	44824	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	41908	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22790	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14300	10.218	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.20%			
30) 1,2-Dichloroethane-d4	4.45	102	2811	10.116	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 101.20%			
35) Toluene-d8	6.11	98	43589	10.444	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.40%			
57) 4-Bromofluorobenzene	8.51	95	14585	10.380	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.80%			
Target Compounds				Qvalue		
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.25	50	292	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8] Chloroethane	1.67	64	148	0.243	ppb #	1
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.33	58	51	Below Cal	#	1
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	3366	3.370	ppb	91
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D. d		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D. d		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	28	Below Cal	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	82	0.038 ppb	91
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	31	Below Cal	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.65	106	26	Below Cal	91
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

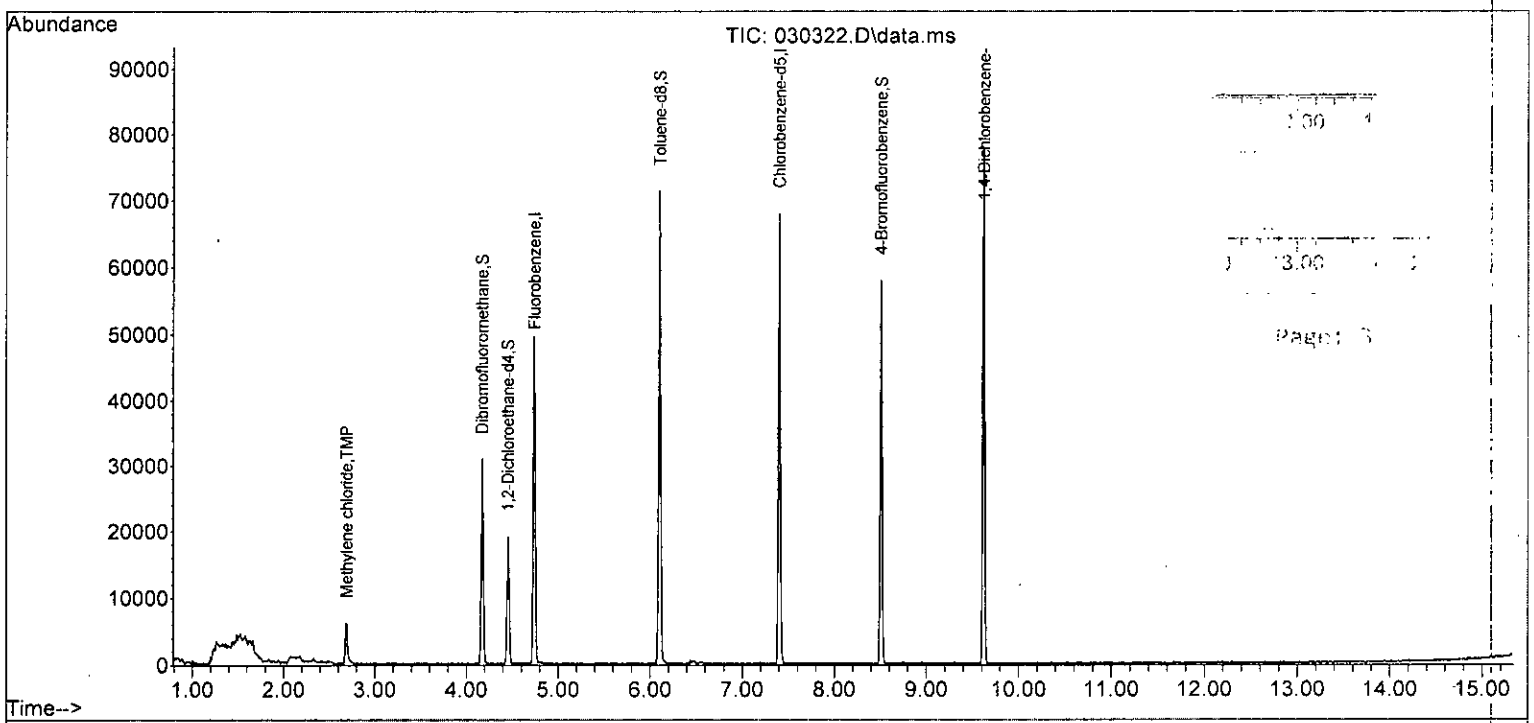
Page: 2

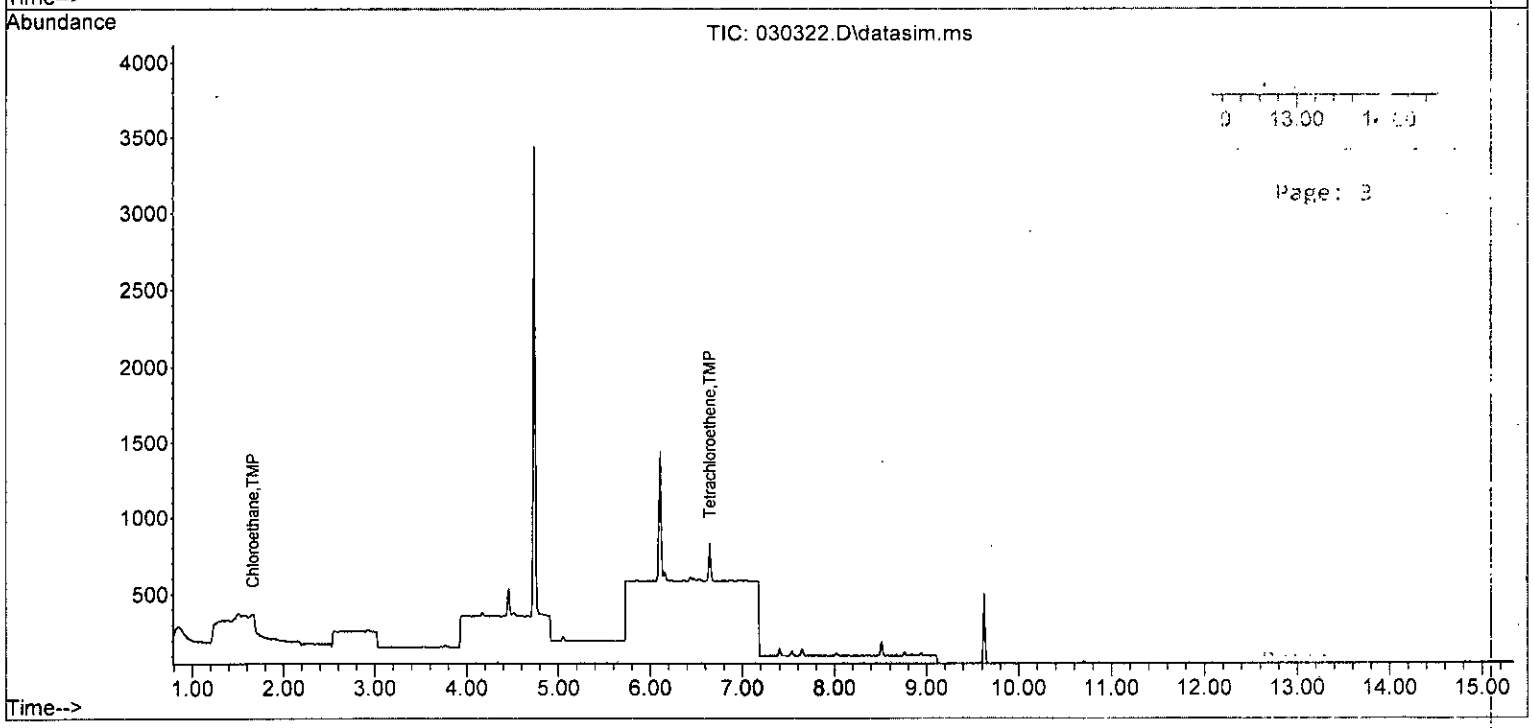
Page: 2

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030322.D
Acq On : 03 Mar 2023 02:25 pm
Operator : lm
Sample : 302330-01
Misc : water
ALS Vial : 12 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:13 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

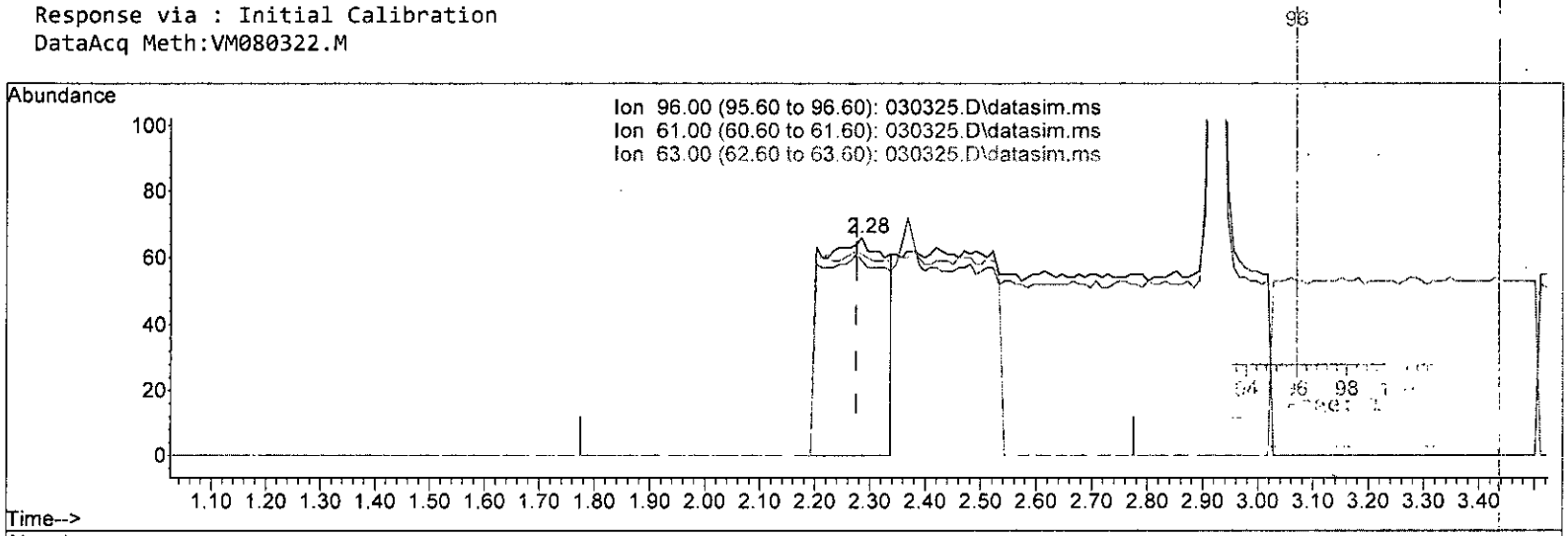


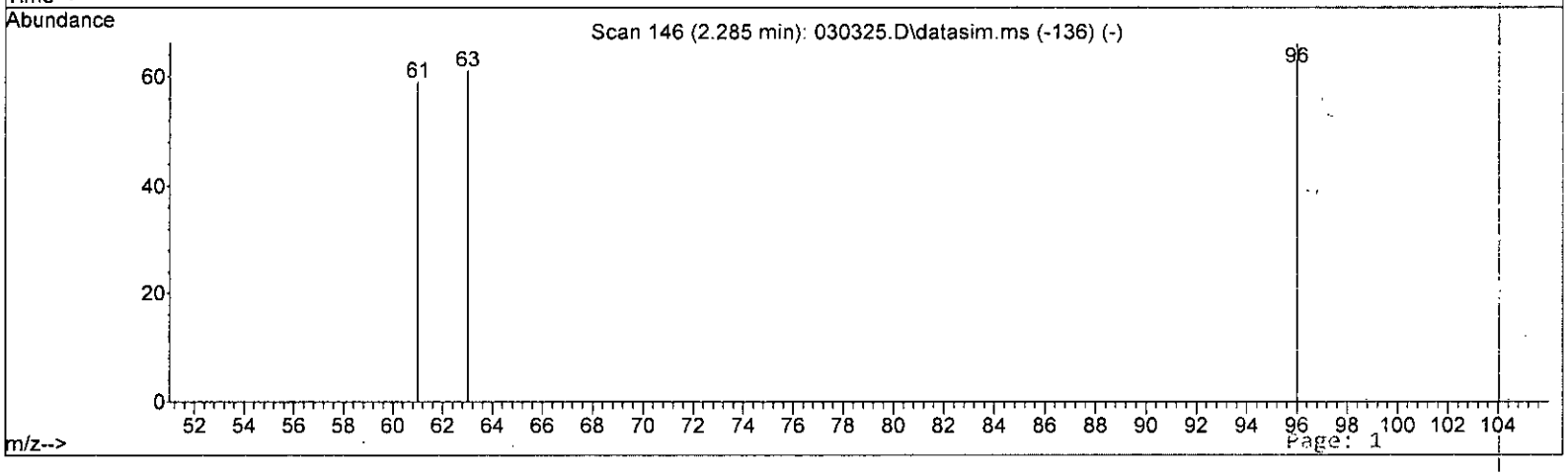


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.285min (+ 0.010) 0.280 ppb

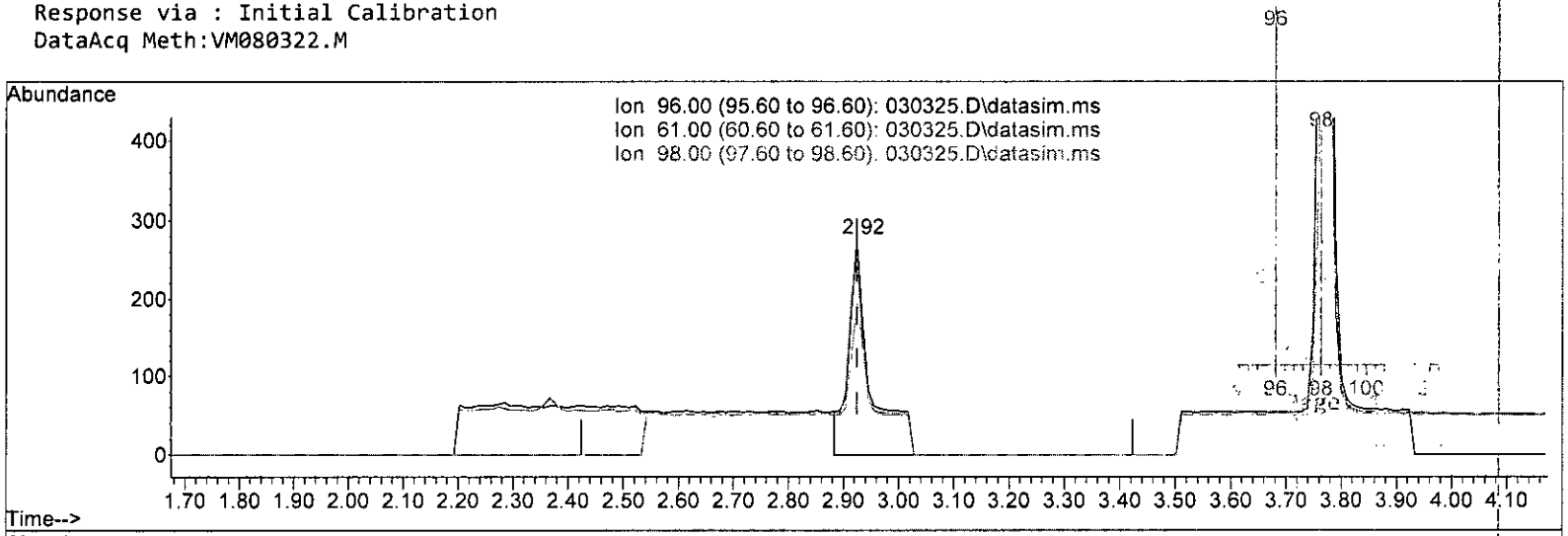
response 538

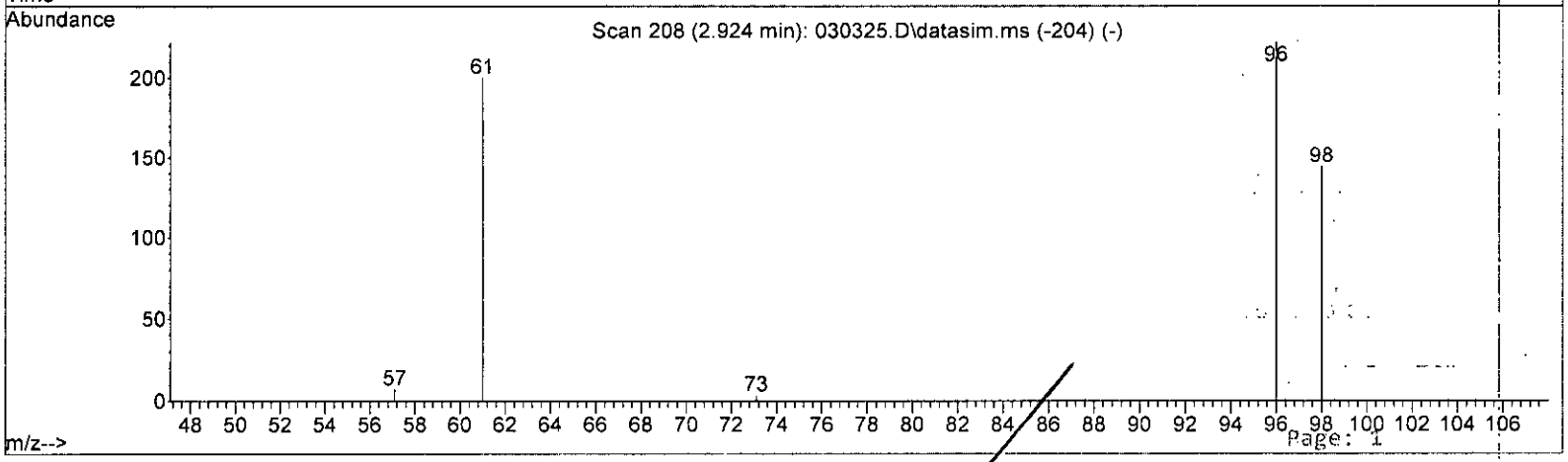
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	89.39
63.00	36.10	92.42#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

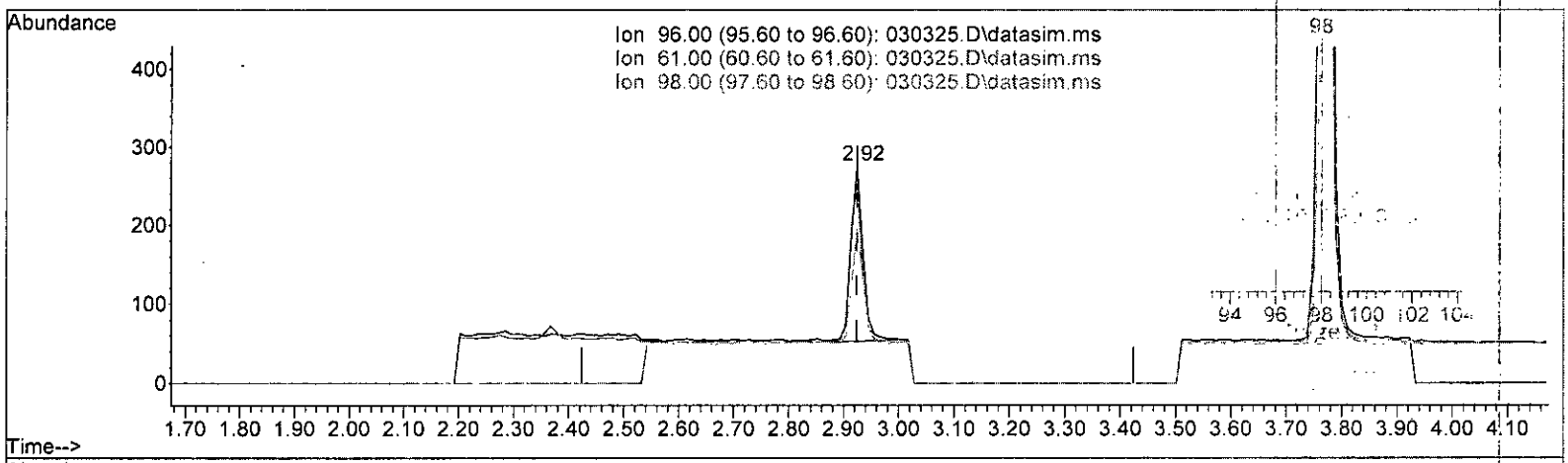
(17) trans-1,2-Dichloroethene (TMP)
2.924min (+ 0.000) 0.620 ppb
response 768

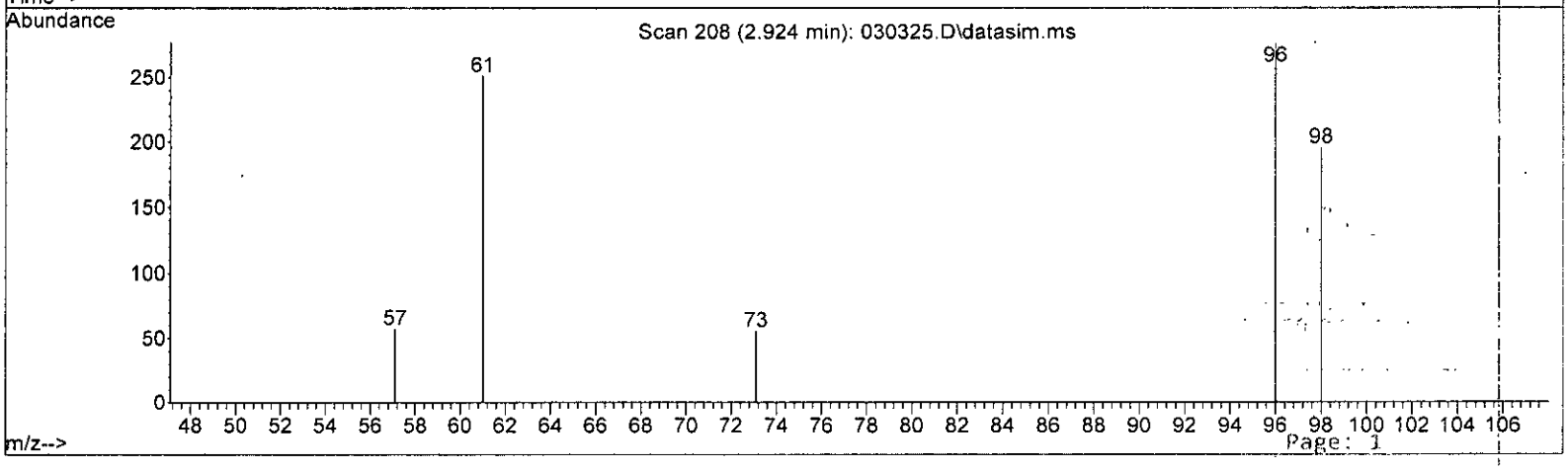
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	90.61
98.00	65.40	70.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.270 ppb m

response 335

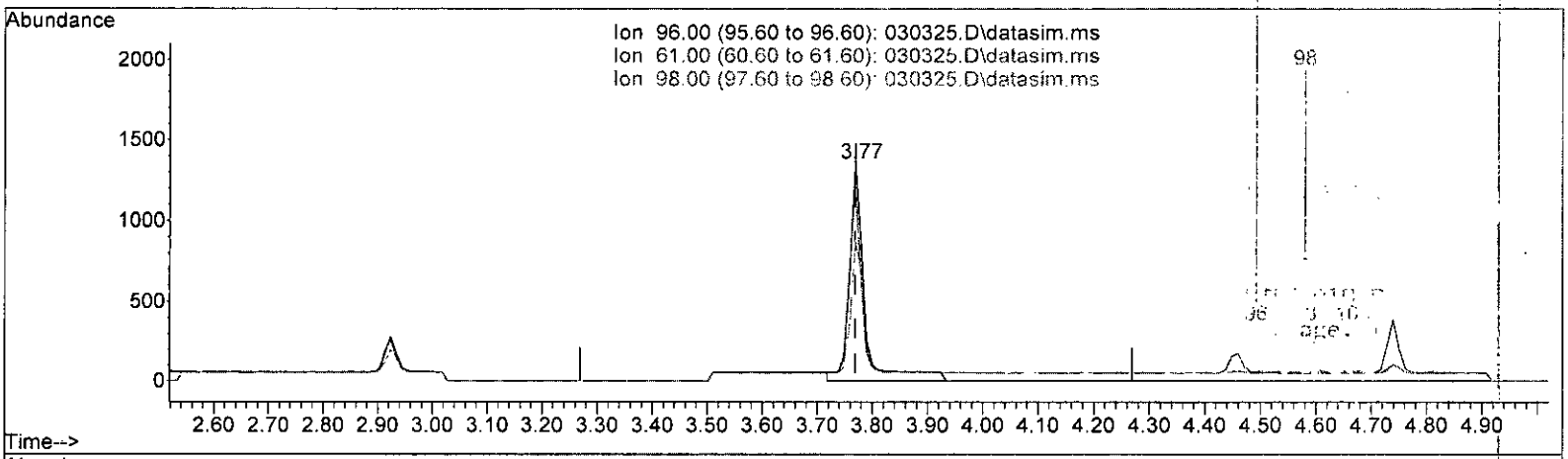
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	90.61
98.00	65.40	70.40
0.00	0.00	0.00

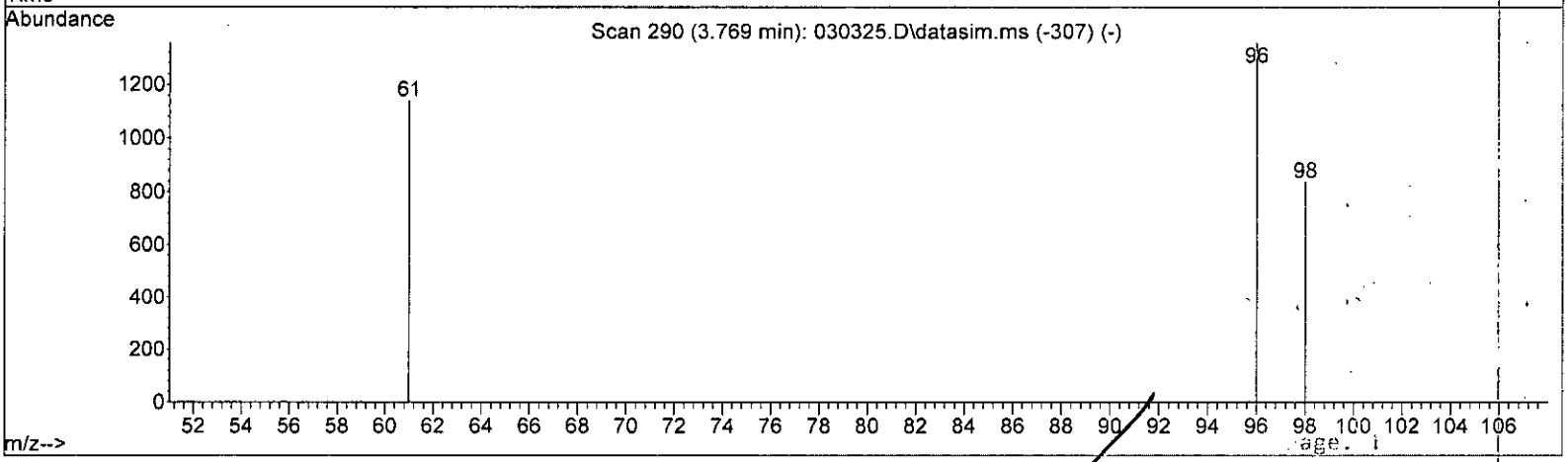
lm 3/6

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

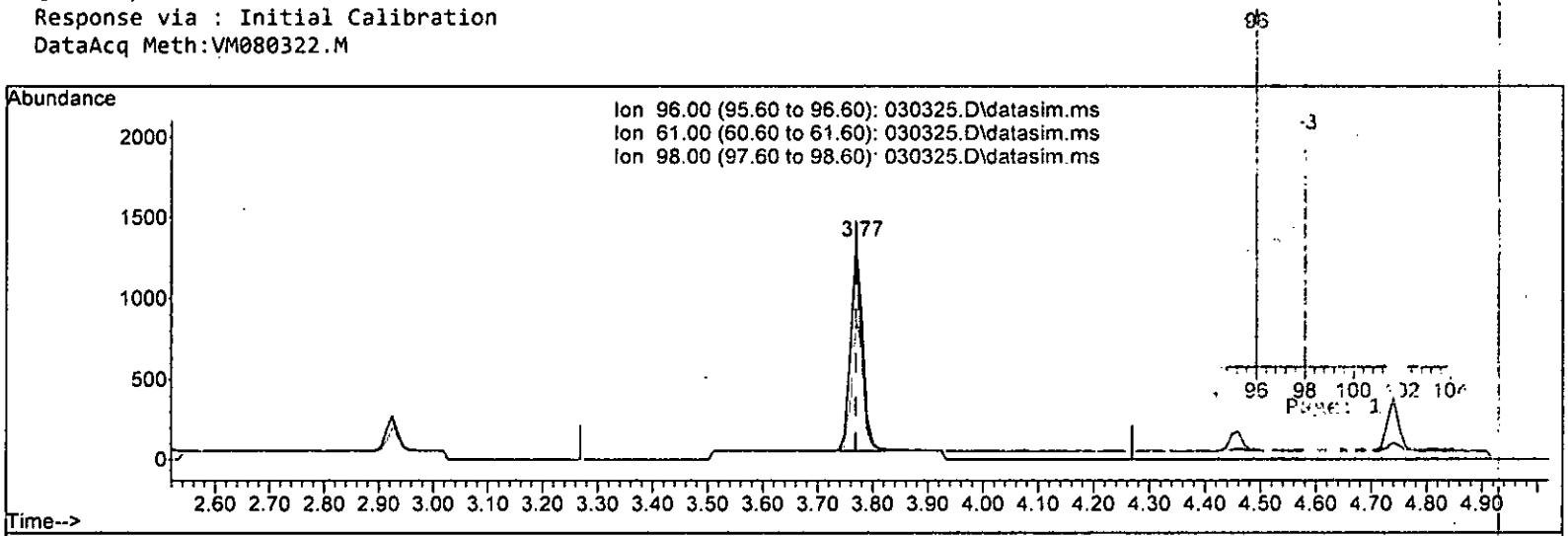
(22) cis-1,2-Dichloroethene (TMP)
3.769min (-0.000) 1.994 ppb
response 2622

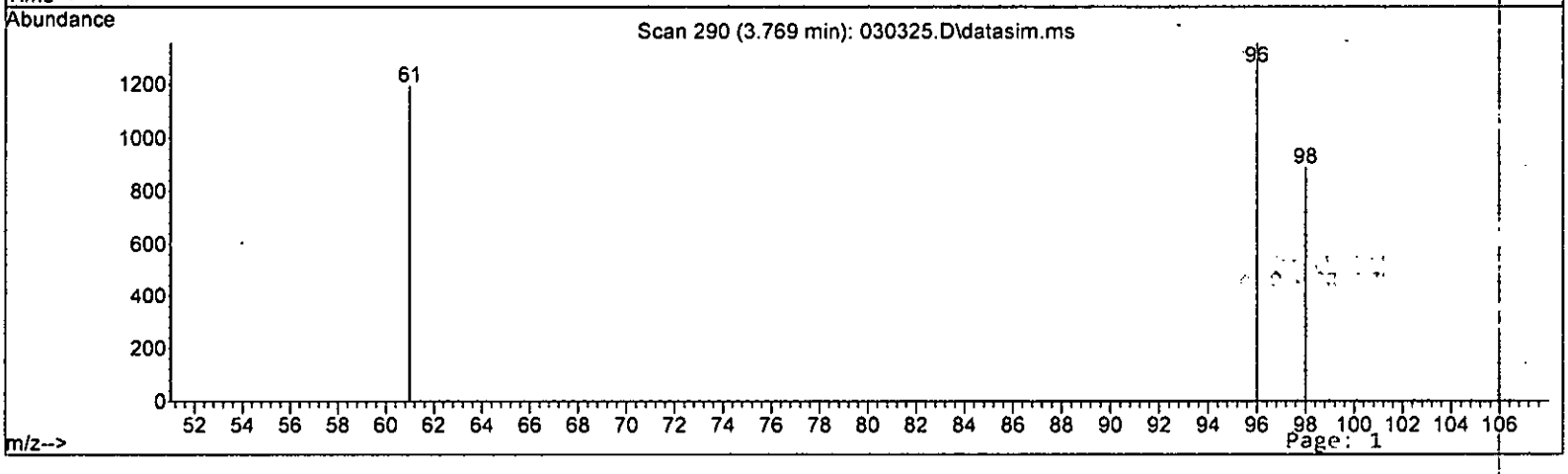
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	84.06
98.00	63.00	61.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(22) cis-1,2-Dichloroethene (TMP)

3.769min (~0.000) 1.476 ppb m

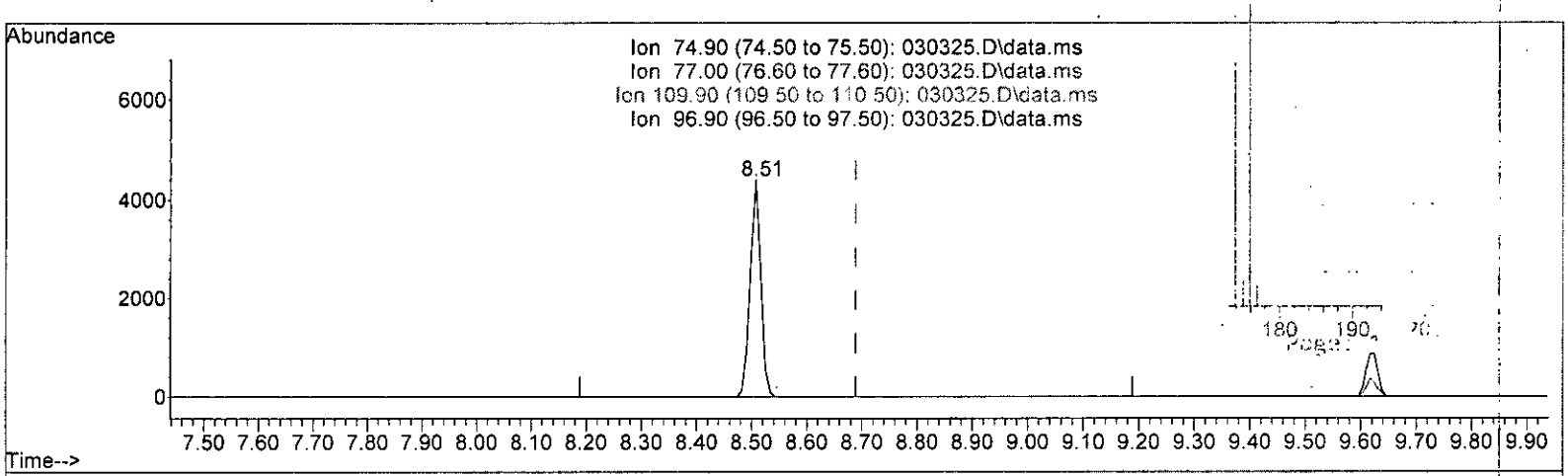
response 1941

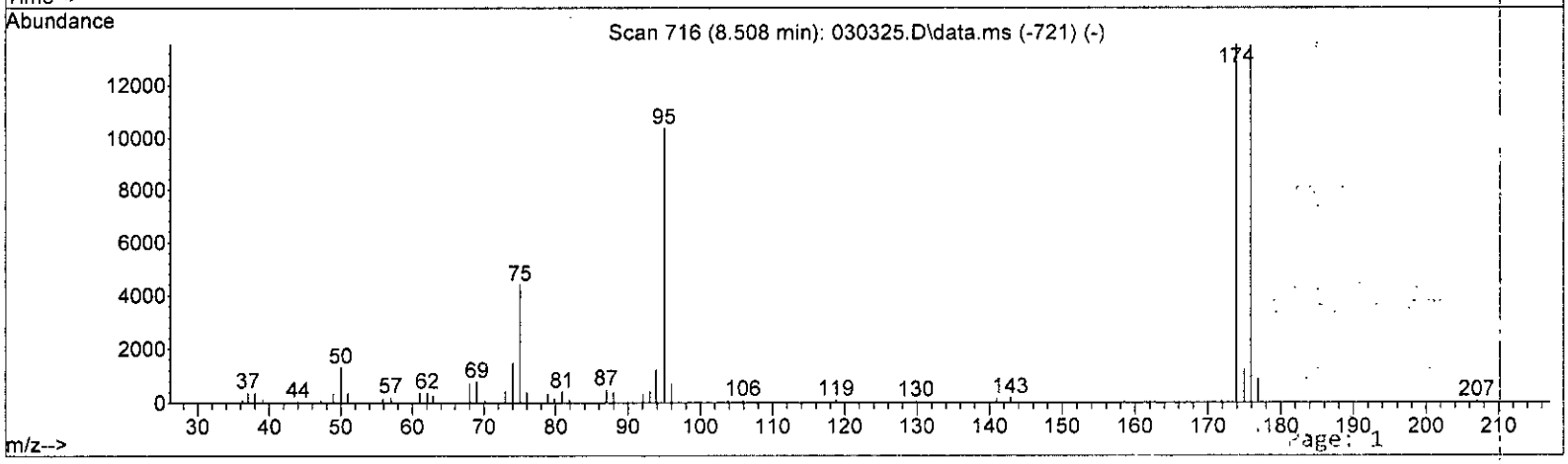
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	96.40	87.97
98.00	63.00	65.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030325.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.374 ppb
response 5927

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

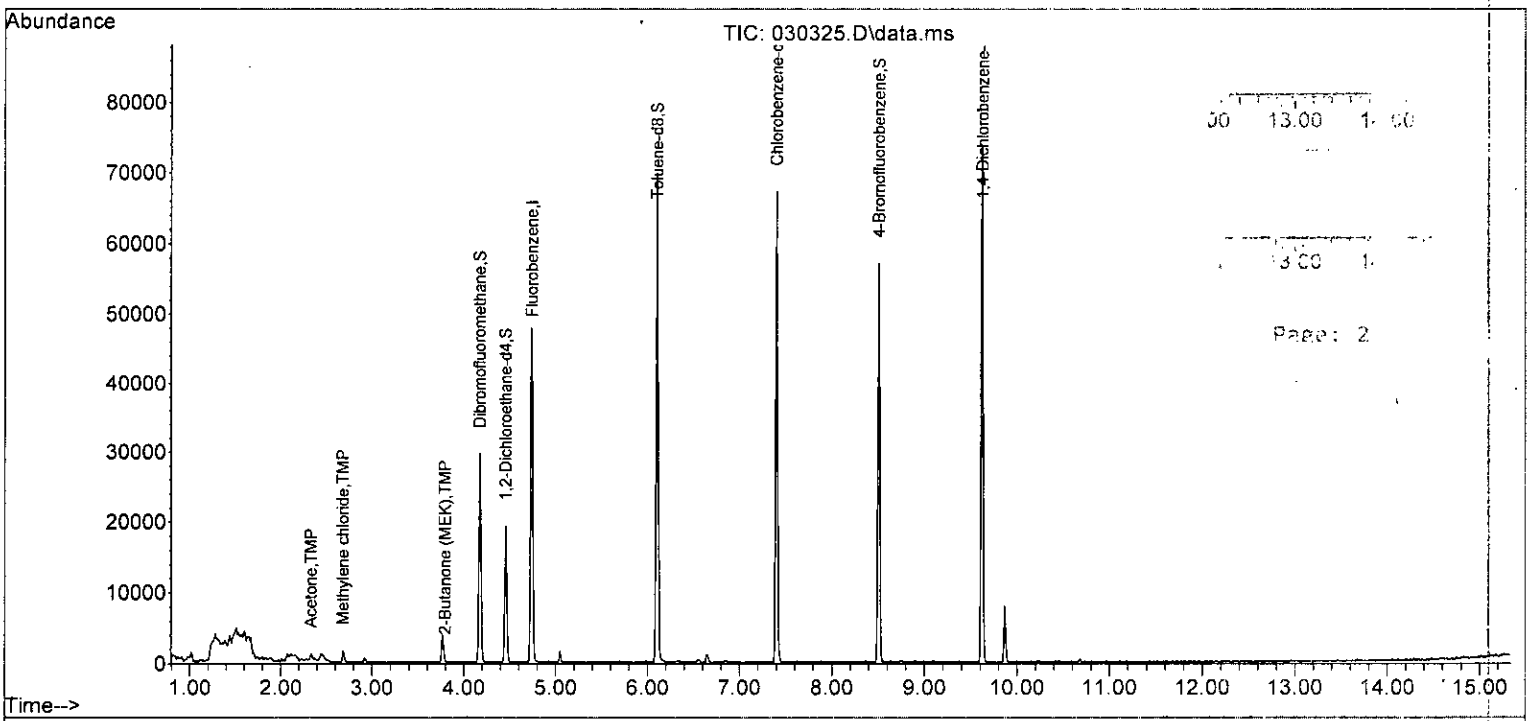
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	43571	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	40489	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22030	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14036	10.317	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%			
30) 1,2-Dichloroethane-d4	4.45	102	2853	10.562	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.60%			
35) Toluene-d8	6.11	98	42294	10.425	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.20%			
57) 4-Bromofluorobenzene	8.51	95	13785	10.149	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.50%			
Target Compounds						Qvalue
11) Acetone	2.33	58	300	2.061	ppb #	80
14) Methylene chloride	2.68	84	785	1.012	ppb	95
17] trans-1,2-Dichloroethene	2.92	96	335m	0.270	ppb	
22] cis-1,2-Dichloroethene	3.77	96	1941m	1.476	ppb	
24) 2-Butanone (MEK)	3.79	43	158	0.407	ppb	54
26] 1,2-Dichloroethane (EDC)	4.52	62	40	0.013	ppb	85
32] Trichloroethene	5.05	95	387	0.271	ppb	99
45] Tetrachloroethene	6.65	164	296	0.162	ppb	98
49] Ethylbenzene	7.54	91	28	Below Cal		93
51] m,p-Xylene	7.64	106	28	Below Cal		80

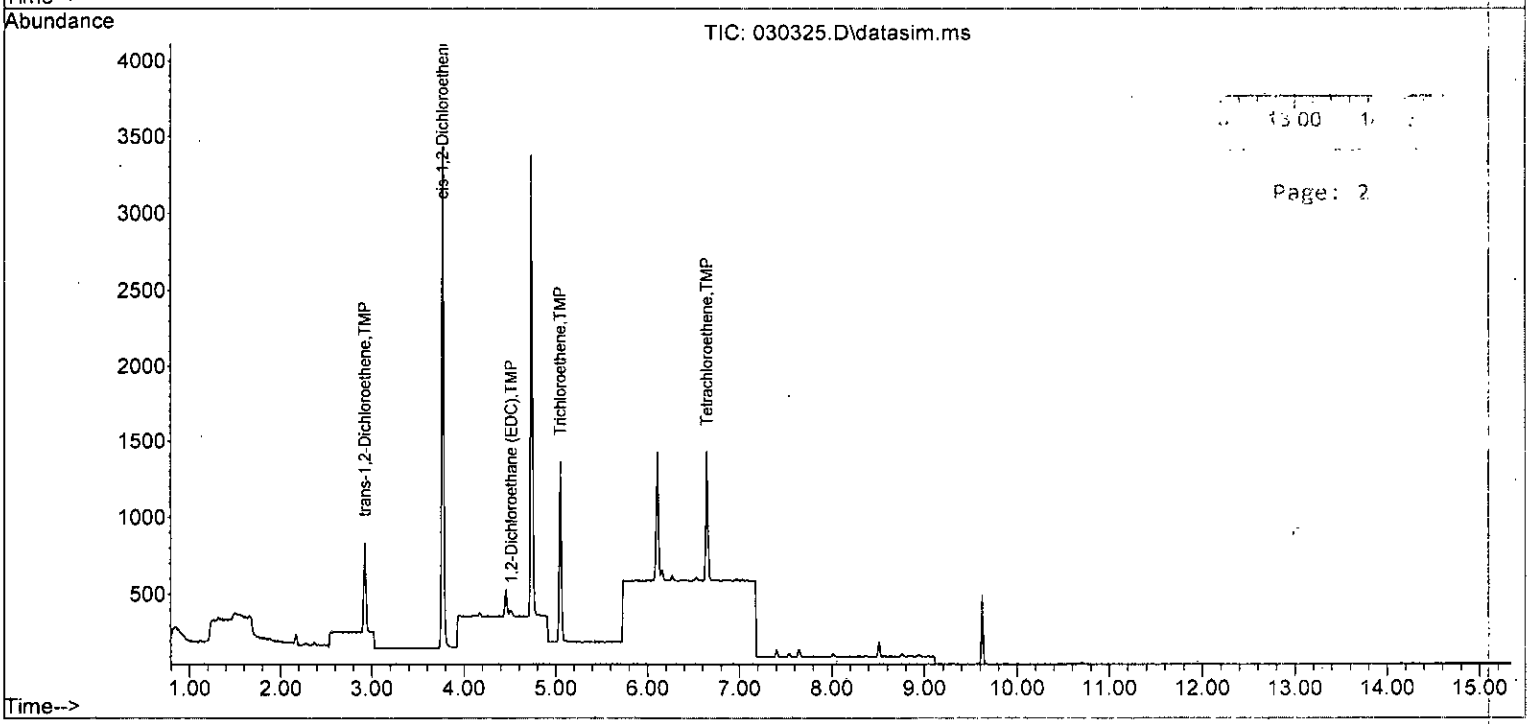
(#) = qualifier out of range (m) = manual integration (+) = signals summed

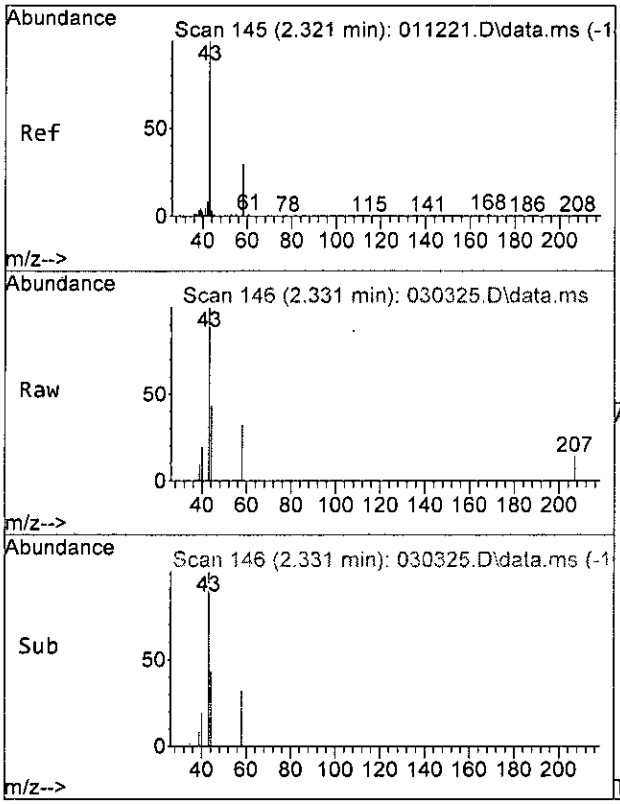
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



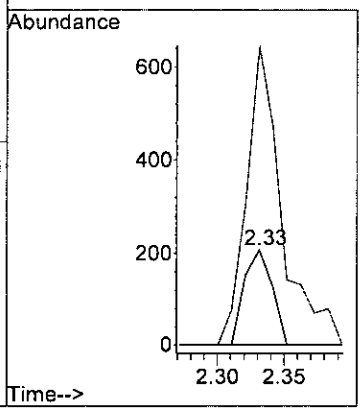


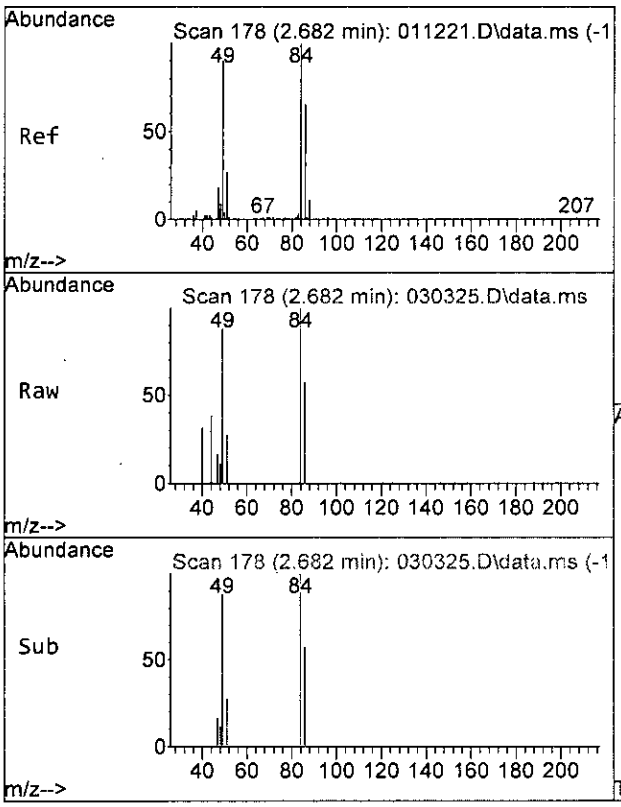


#11
Acetone
Concen: 2.061 ppb
RT: 2.33 min Scan# 146
Delta R.T. 0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 58 Resp: 300

Ion	Ratio	Lower	Upper
58	100		
43	395.0	320.8	380.8#

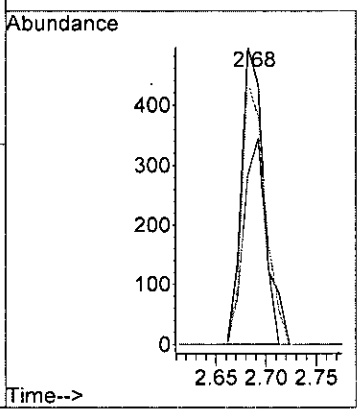


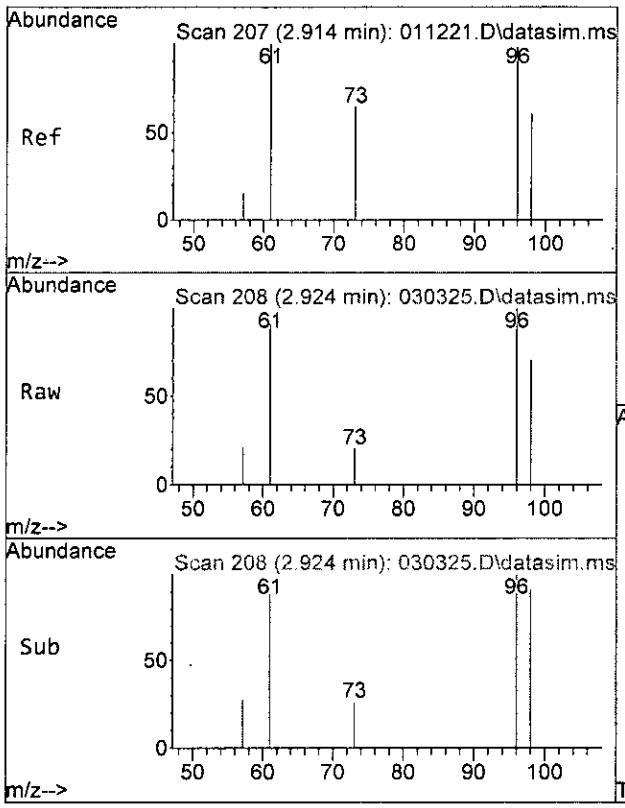


#14
Methylene chloride
Concen: 1.012 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 84 Resp: 785

Ion	Ratio	Lower	Upper
84	100		
86	57.3	35.3	95.3
49	88.5	57.8	117.8

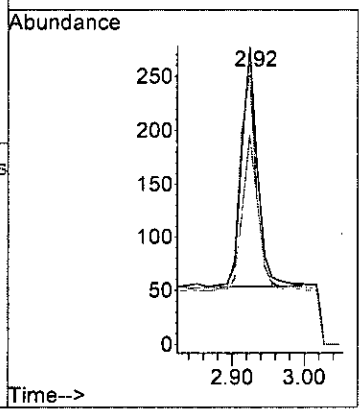


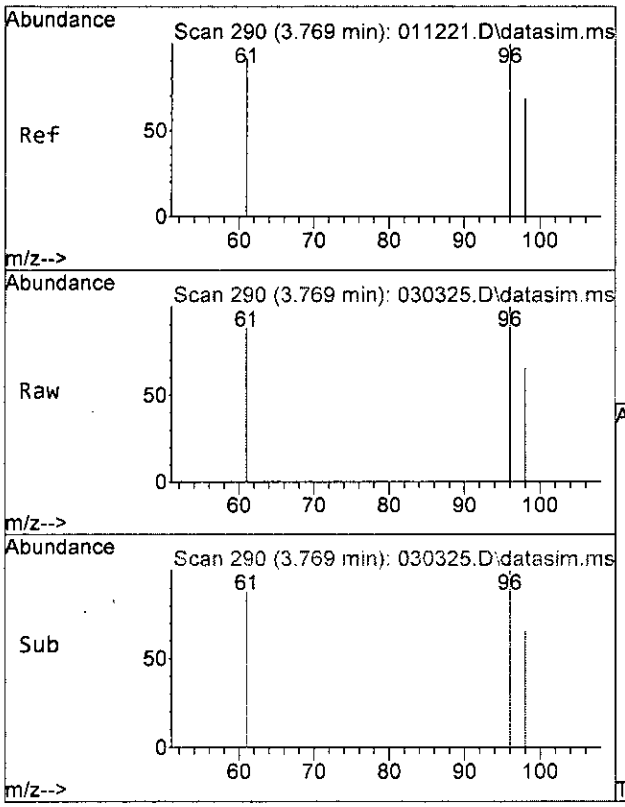


#17
trans-1,2-Dichloroethene
Concen: 0.270 ppb m
RT: 2.92 min Scan# 208
Delta R.T. 0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 96 Resp: 335

Ion	Ratio	Lower	Upper
96	100		
61	90.6	63.6	123.6
98	70.4	35.4	95.4

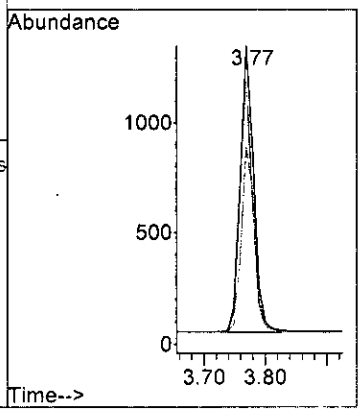


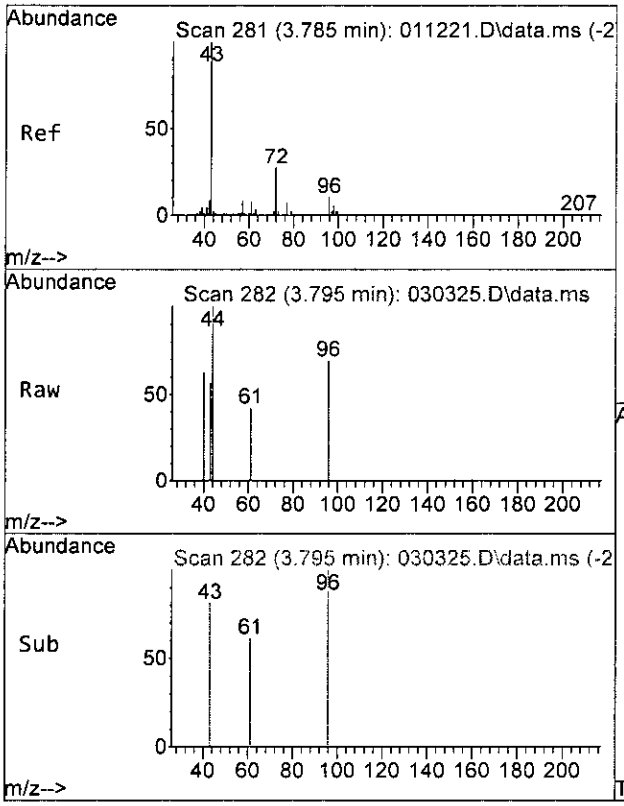


#22
cis-1,2-Dichloroethene
Concen: 1.476 ppb m
RT: 3.77 min Scan# 290
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 96 Resp: 1941

Ion	Ratio	Lower	Upper
96	100		
61	88.0	66.4	126.4
98	65.5	33.0	93.0

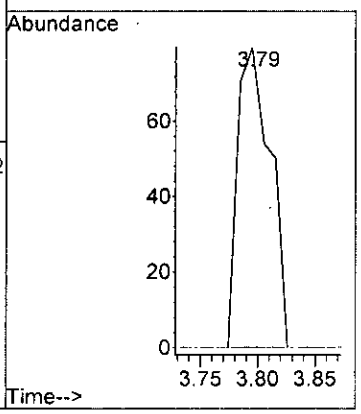


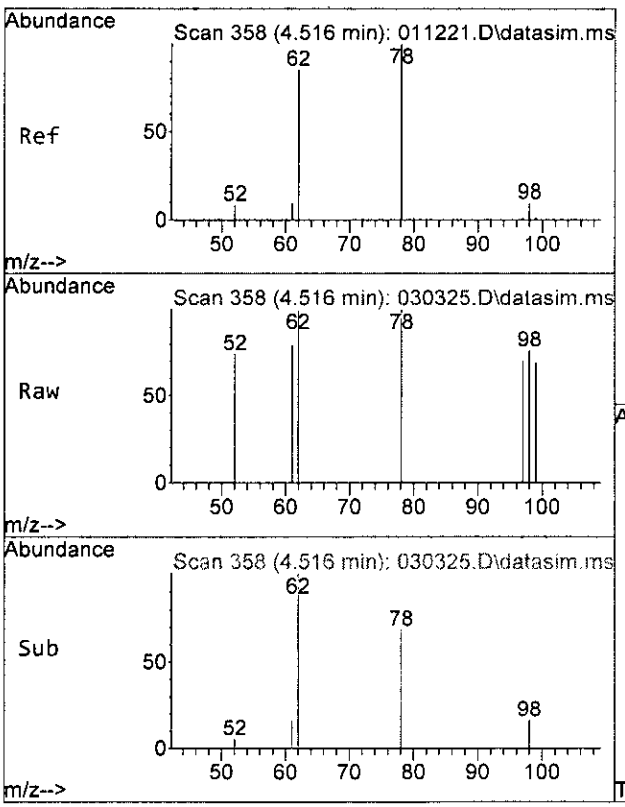


#24
2-Butanone (MEK)
Concen: 0.407 ppb
RT: 3.79 min Scan# 282
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 43 Resp: 158

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	57.1
57	0.0	0.0	27.4

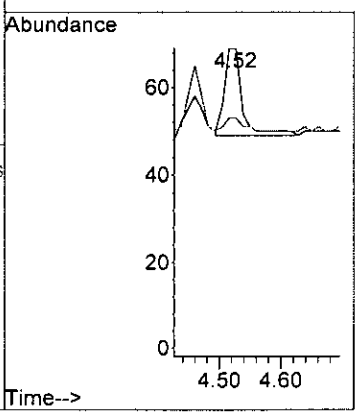


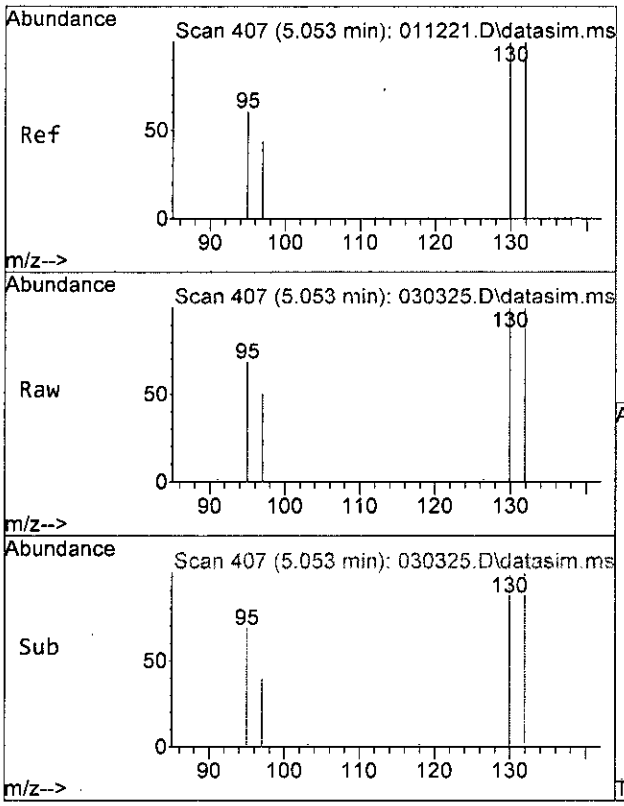


#26
1,2-Dichloroethane (EDC)
Concen: 0.013 ppb
RT: 4.52 min Scan# 358
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 62 Resp: 40

Ion	Ratio	Lower	Upper
62	100		
98	15.0	0.0	39.6

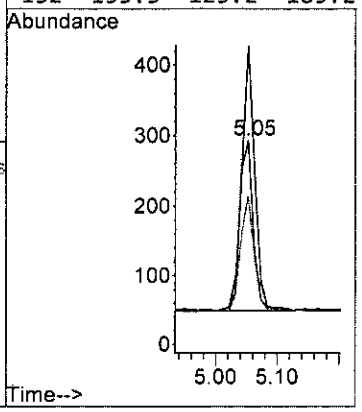


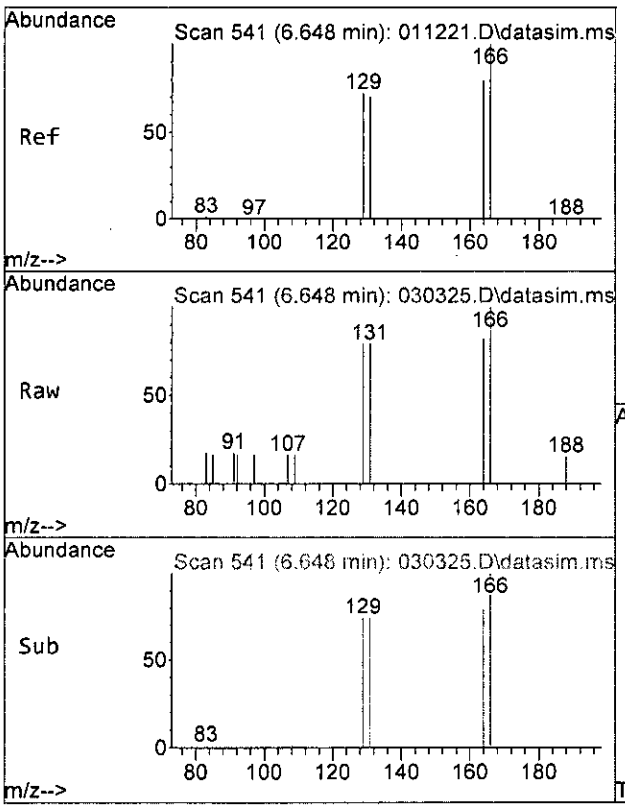


#32
Trichloroethene
Concen: 0.271 ppb
RT: 5.05 min Scan# 407
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion: 95 Resp: 387

Ion	Ratio	Lower	Upper
95	100		
97	68.4	38.8	98.8
130	155.7	128.2	188.2
132	155.3	125.2	185.2

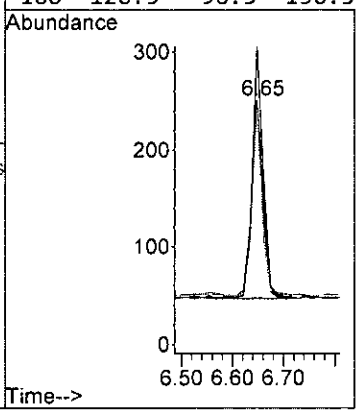




#45
Tetrachloroethene
Concen: 0.162 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030325.D
Acq: 03 Mar 2023 03:35 pm

Tgt Ion:164 Resp: 296

Ion	Ratio	Lower	Upper
164	100		
129	93.1	59.5	119.5
131	92.6	58.6	118.6
166	126.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	43571	10.000	ppb		0.01
39) Chlorobenzene-d5	7.40	117	40489	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22030	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.18	113	14036	10.317	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.20%				
30) 1,2-Dichloroethane-d4	4.45	102	2853	10.562	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 105.60%				
35) Toluene-d8	6.11	98	42294	10.425	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.20%				
57) 4-Bromofluorobenzene	8.51	95	13785	10.149	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.50%				
Target Compounds							Qvalue
2) Ethanol	0.00		0	N.D.			
4) Dichlorodifluoromethane	0.00		0	N.D.			
5) Chloromethane	1.25	50	1681	N.D.			
6) Vinyl chloride	0.00		0	N.D.			
7) Bromomethane	1.58	94	813	N.D.			
8) Chloroethane	0.00		0	N.D.			
9) Trichlorofluoromethane	0.00		0	N.D.			
10) 2-Propanol	0.00		0	N.D.			
11) Acetone	2.33	58	300	2.061	ppb	#	80
12) 1,1-Dichloroethene	0.00		0	N.D.	d		
13) Hexane	0.00		0	N.D.			
14) Methylene chloride	2.68	84	785	1.012	ppb		95
15) t-Butyl alcohol (TBA)	0.00		0	N.D.			
16) Methyl t-butyl ether (...	0.00		0	N.D.			
17] trans-1,2-Dichloroethene	2.92	96	335m	0.270	ppb		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.			
19) 1,1-Dichloroethane	0.00		0	N.D.			
20) Ethyl t-butyl ether (E...	0.00		0	N.D.			
21) 2,2-Dichloropropane	0.00		0	N.D.			
22] cis-1,2-Dichloroethene	3.77	96	1941m	1.476	ppb		
23) Chloroform	0.00		0	N.D.			
24) 2-Butanone (MEK)	3.79	43	158	0.407	ppb		54
25) t-Amyl methyl ether (T...	0.00		0	N.D.			
26] 1,2-Dichloroethane (EDC)	4.52	62	40	0.013	ppb		85
27) 1,1,1-Trichloroethane	0.00		0	N.D.			
28) 1,1-Dichloropropene	0.00		0	N.D.			
29) Carbon tetrachloride	0.00		0	N.D.			
31) Benzene	4.50	78	46	N.D.			
32] Trichloroethene	5.05	95	387	0.271	ppb		99
33) 1,2-Dichloropropane	0.00		0	N.D.			
34) Bromodichloromethane	0.00		0	N.D.			
36) Dibromomethane	0.00		0	N.D.			

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

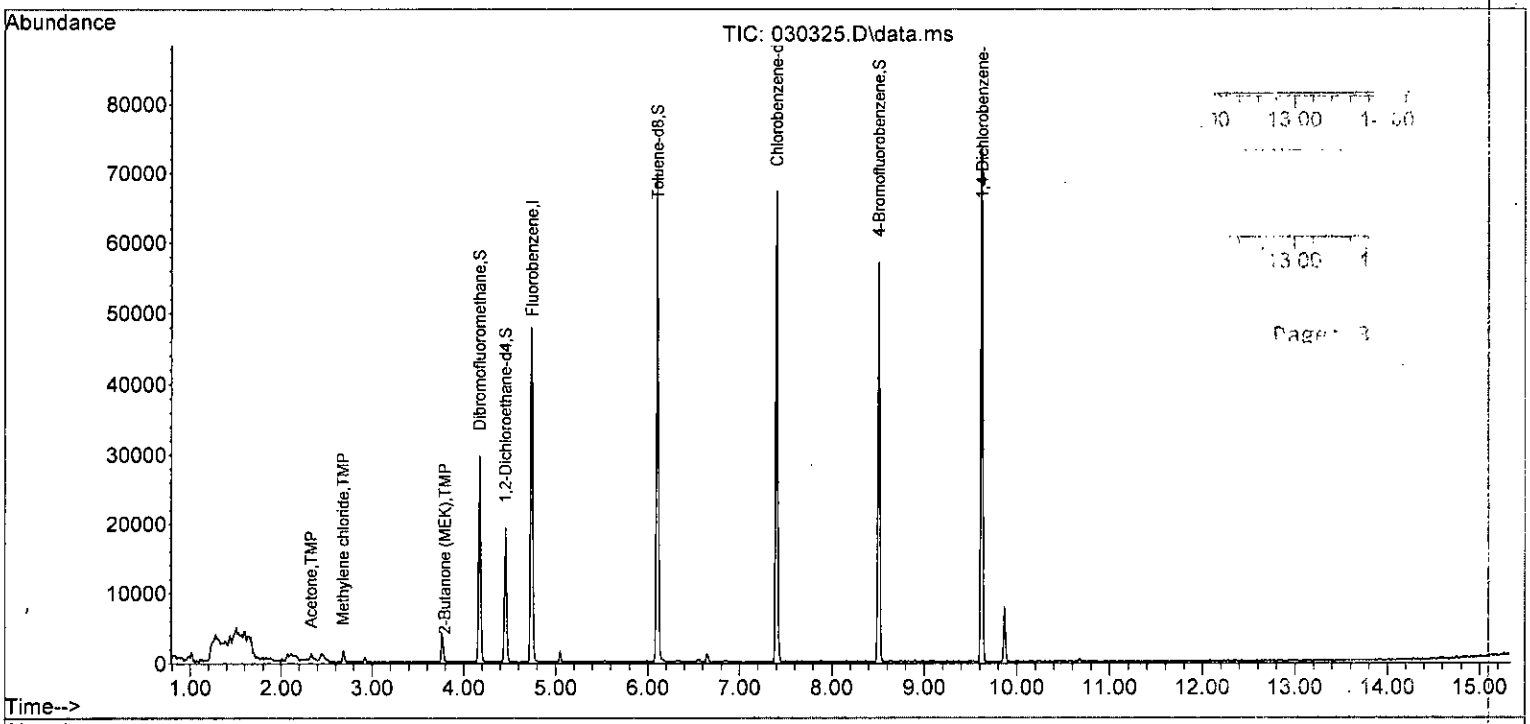
Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

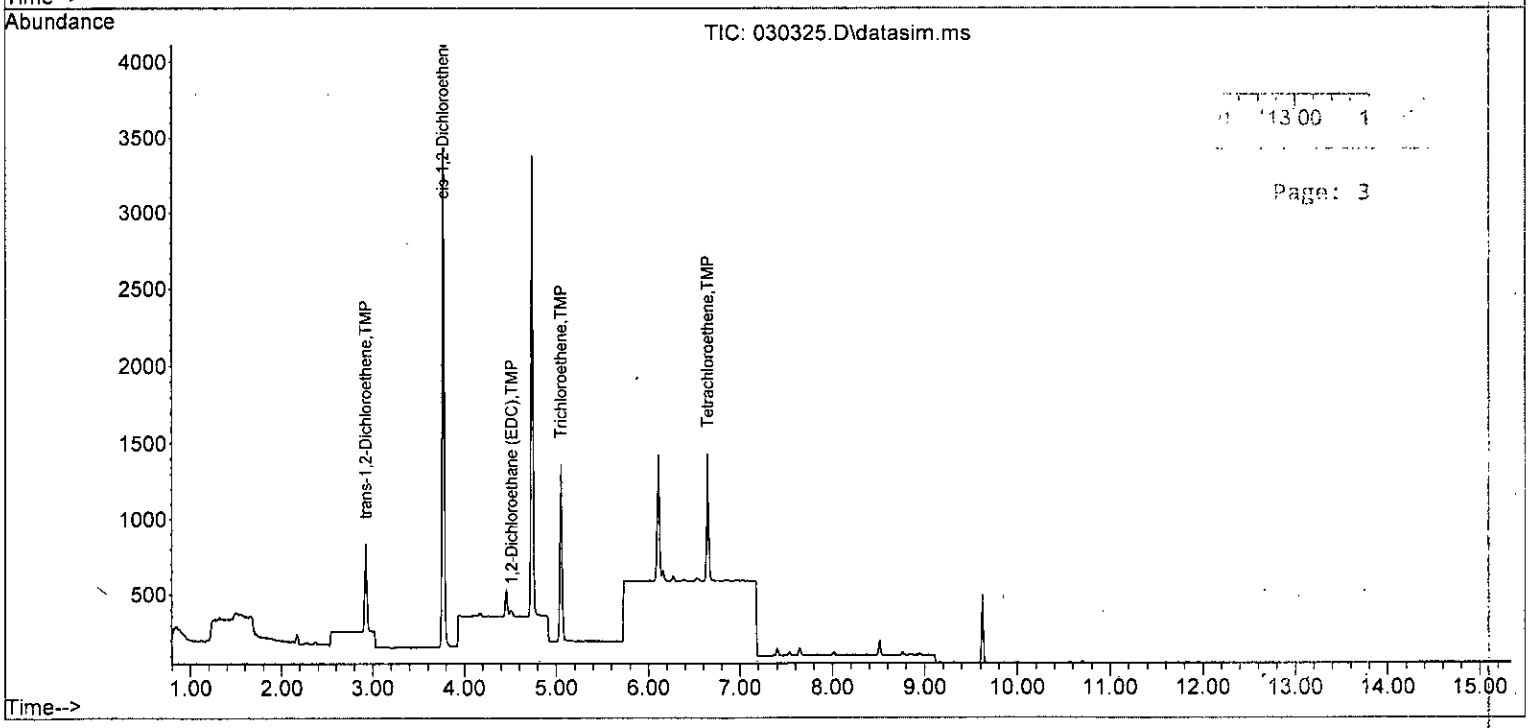
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.16	92	38	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	31	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	296	0.162 ppb	98
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	28	Below Cal	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	28	Below Cal	80
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030325.D
Acq On : 03 Mar 2023 03:35 pm
Operator : lm
Sample : 302330-02
Misc : water
ALS Vial : 15 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:26 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

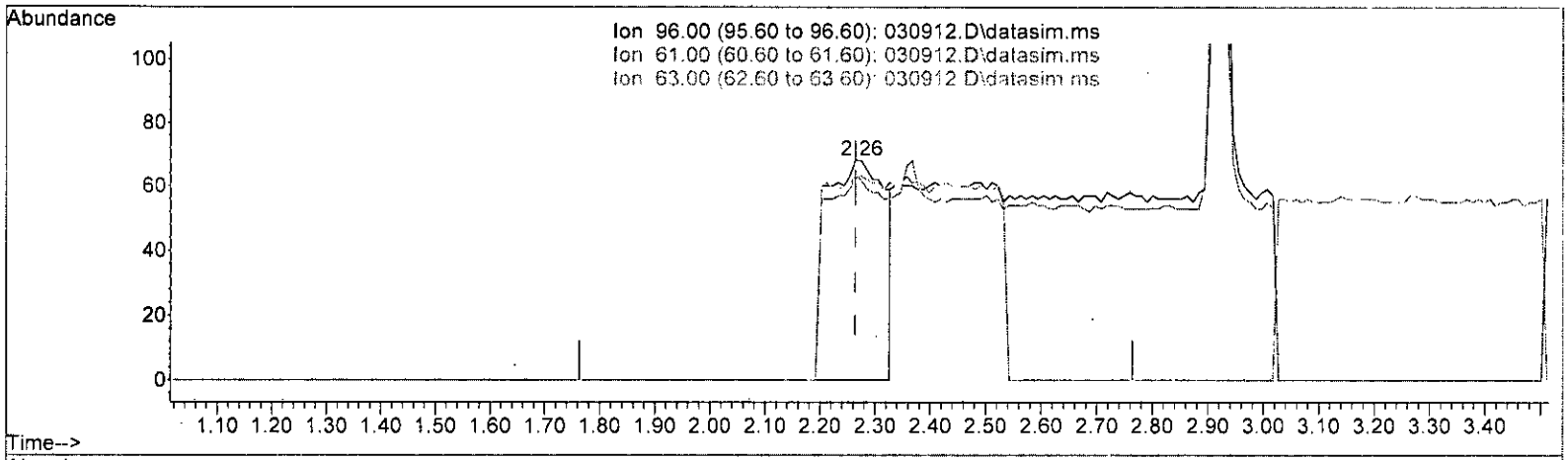


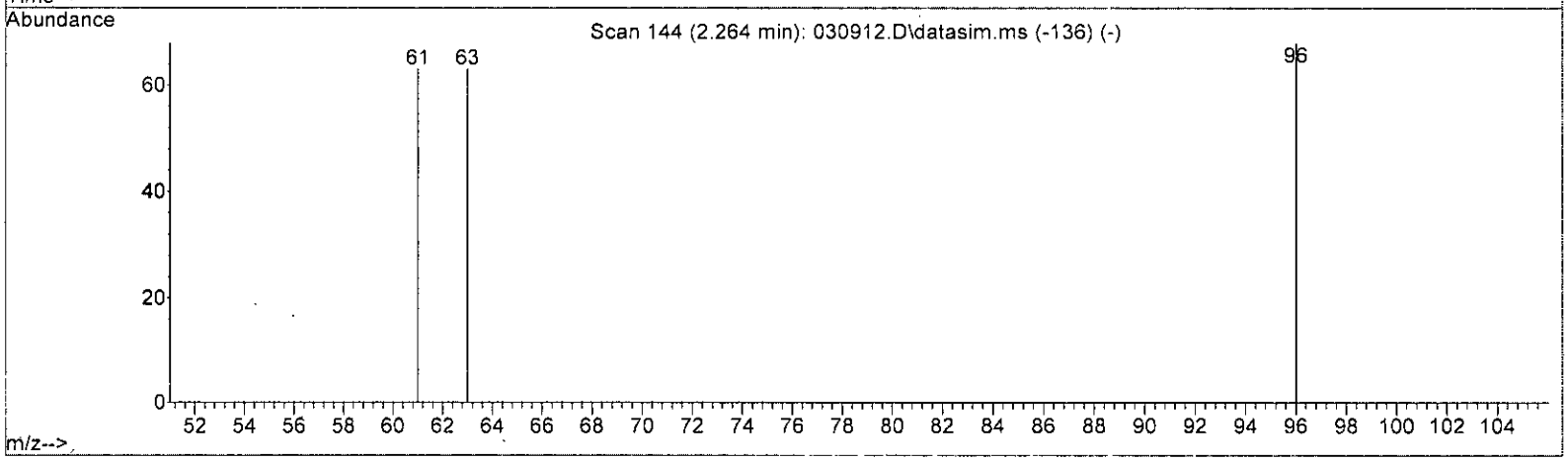


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030912.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.264min (+ 0.000) 0.246 ppb

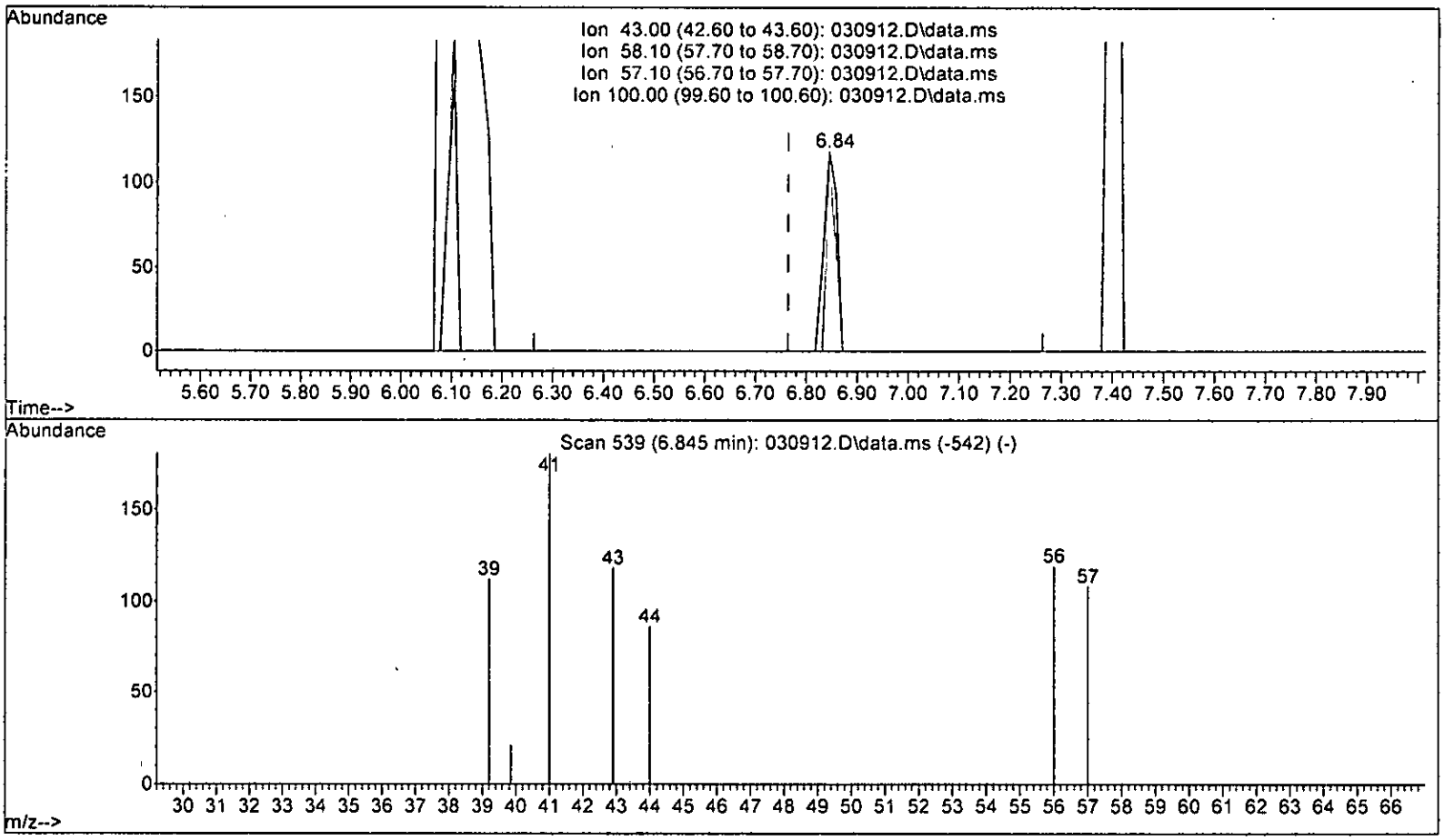
response 499

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	115.50	92.65
63.00	37.50	92.65#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030912.D\data.ms

(43) 2-Hexanone (TMP)

6.845min (+ 0.081) 0.353 ppb

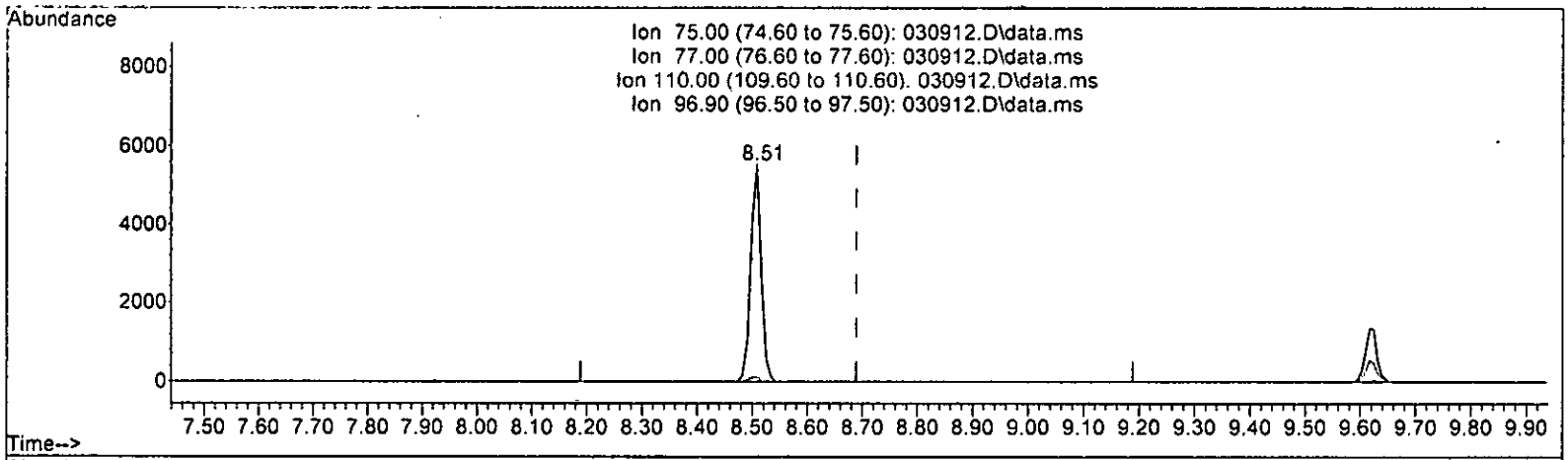
response 212

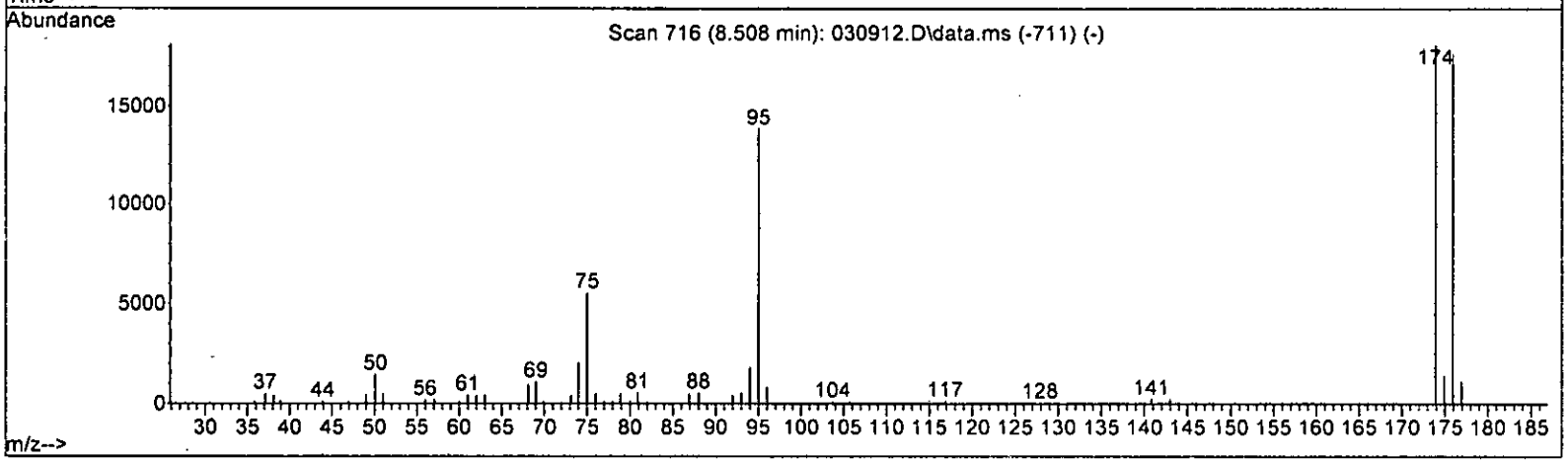
Ion	Exp%	Act%
43.00	100.00	100.00
58.10	54.30	0.00#
57.10	19.10	91.53#
100.00	19.40	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030912.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 7.335 ppb

response 7224

Ion	Exp%	Act%
75.00	100.00	100.00
77.00	32.60	1.94#
110.00	52.60	0.00#
96.90	25.10	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

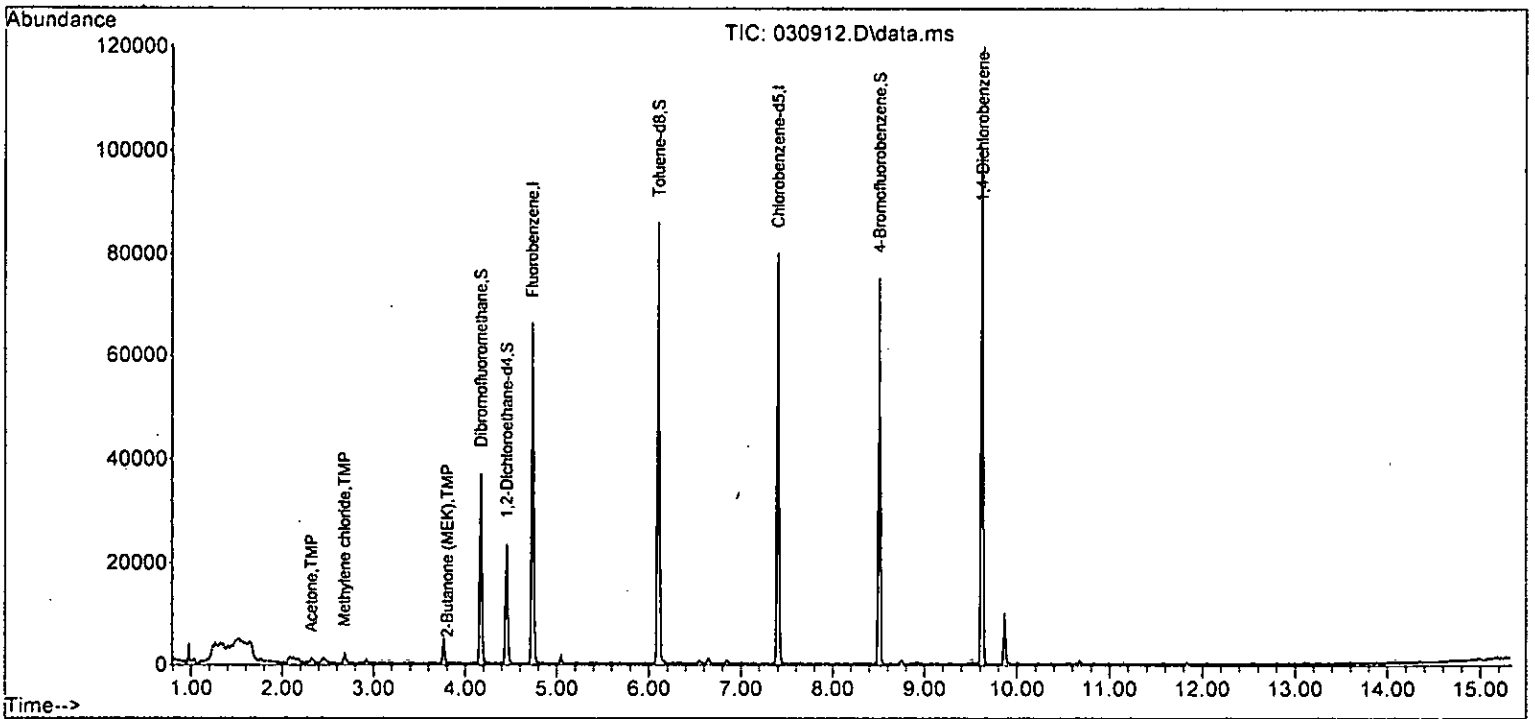
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	55701	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	50334	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29644	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	18044	10.053 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.50%		
30) 1,2-Dichloroethane-d4	4.45	102	3399	9.609 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.10%		
35) Toluene-d8	6.11	98	53071	9.999 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.00%		
57) 4-Bromofluorobenzene	8.51	95	18330	10.253 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 102.50%		
Target Compounds					Qvalue
7) Bromomethane	1.57	94	331	Below Cal	# 2
11) Acetone	2.32	58	302	3.305 ppb	95
14) Methylene chloride	2.68	84	1199	0.103 ppb	92
17] trans-1,2-Dichloroethene	2.92	96	403	0.239 ppb	89
22] cis-1,2-Dichloroethene	3.77	96	2406	1.290 ppb	96
24) 2-Butanone (MEK)	3.81	43	122	0.260 ppb	53
26] 1,2-Dichloroethane (EDC)	4.52	62	50	Below Cal	96
31] Benzene	4.50	78	78	Below Cal	90
32] Trichloroethene	5.04	95	474	0.200 ppb	97
40] Toluene	6.16	92	80	Below Cal	99
45] Tetrachloroethene	6.65	164	345	0.103 ppb	99
49] Ethylbenzene	7.54	91	76	Below Cal	96
51] m,p-Xylene	7.64	106	73	Below Cal	80
52] o-Xylene	8.01	106	33	Below Cal	86

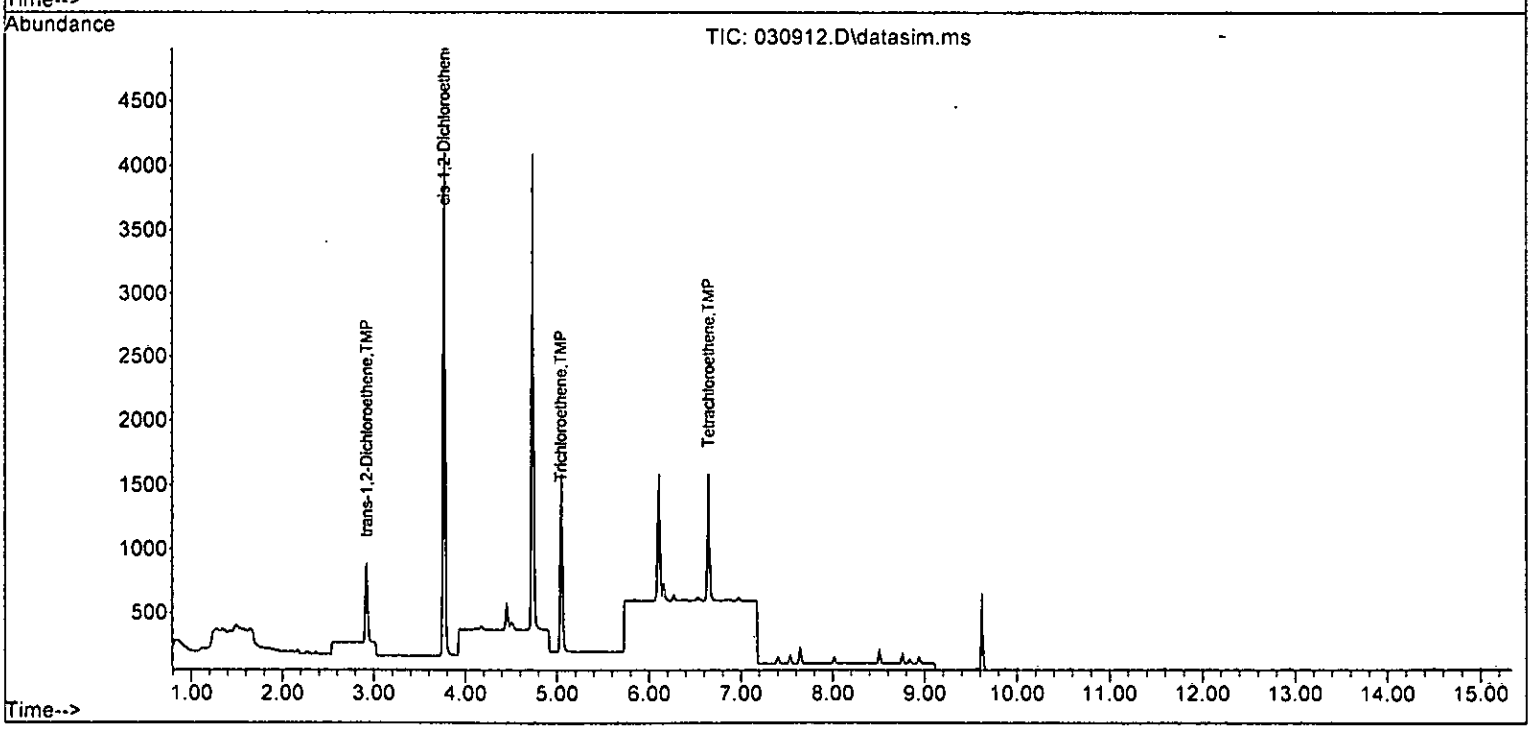
(#) = qualifier out of range (m) = manual integration (+) = signals summed

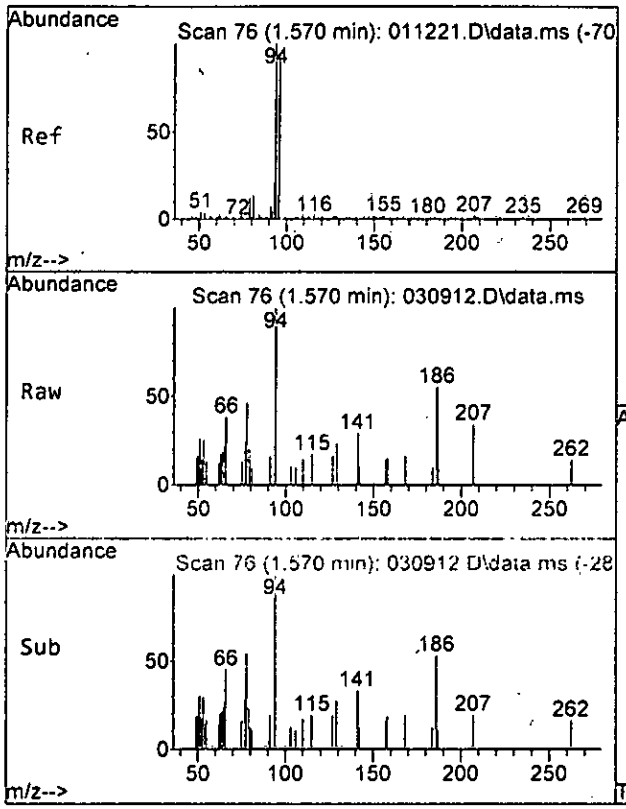
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



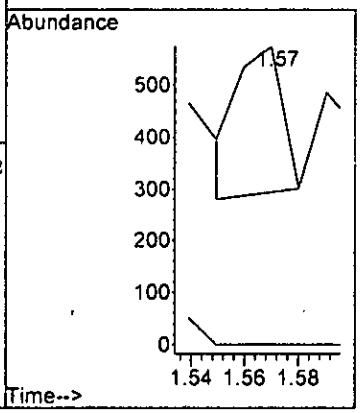


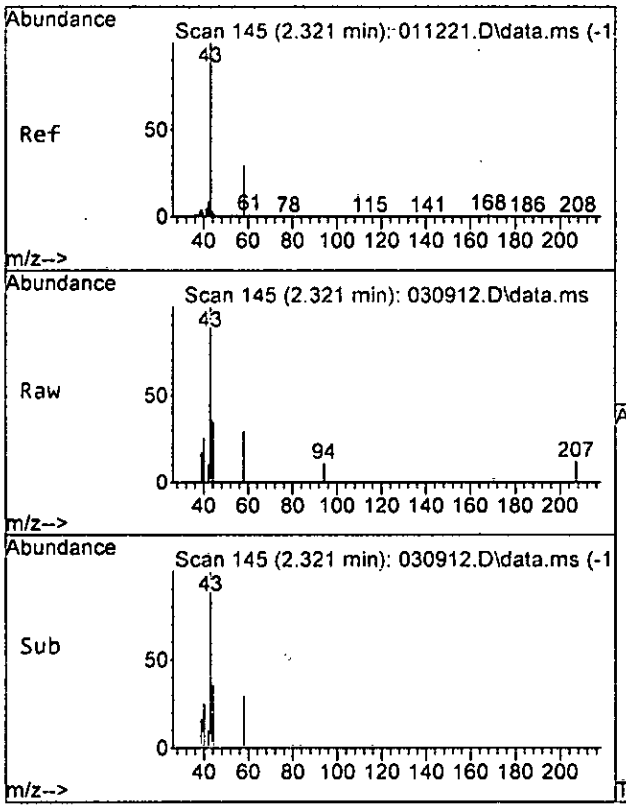


#7
Bromomethane
Concen: Below Cal
RT: 1.57 min Scan# 76
Delta R.T. -0.010 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 94 Resp: 331

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.6	124.6#

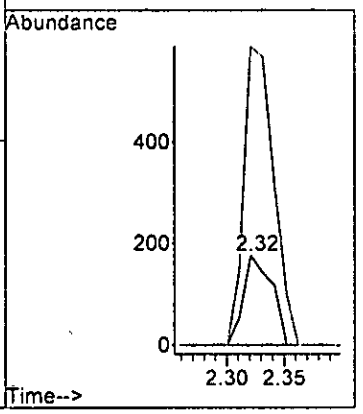


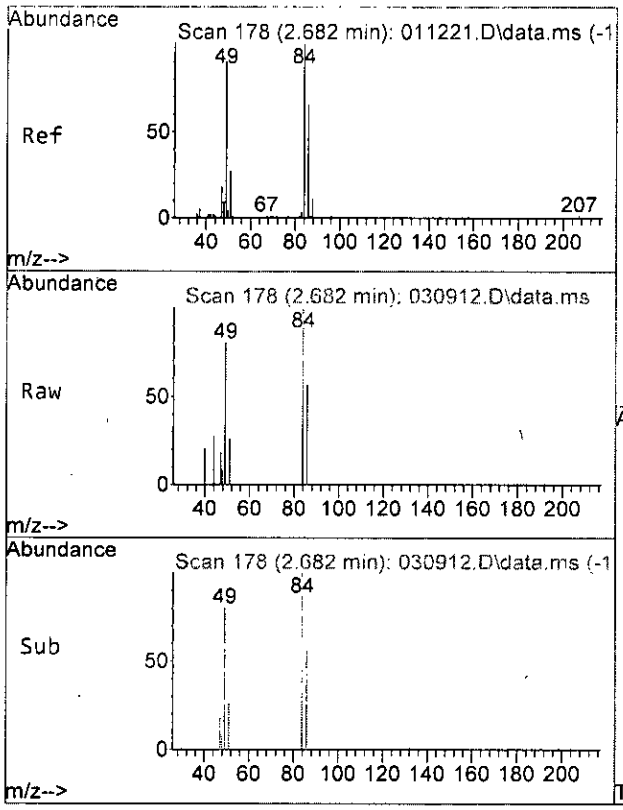


#11
Acetone
Concen: 3.305 ppb
RT: 2.32 min Scan# 145
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 58 Resp: 302

Ion	Ratio	Lower	Upper
58	100		
43	352.6	313.0	373.0

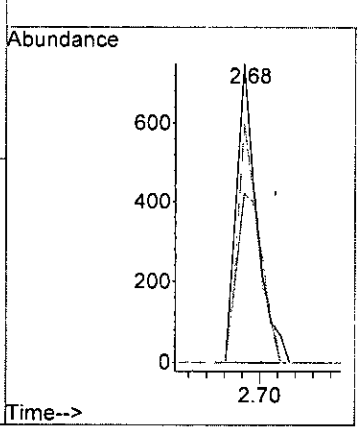


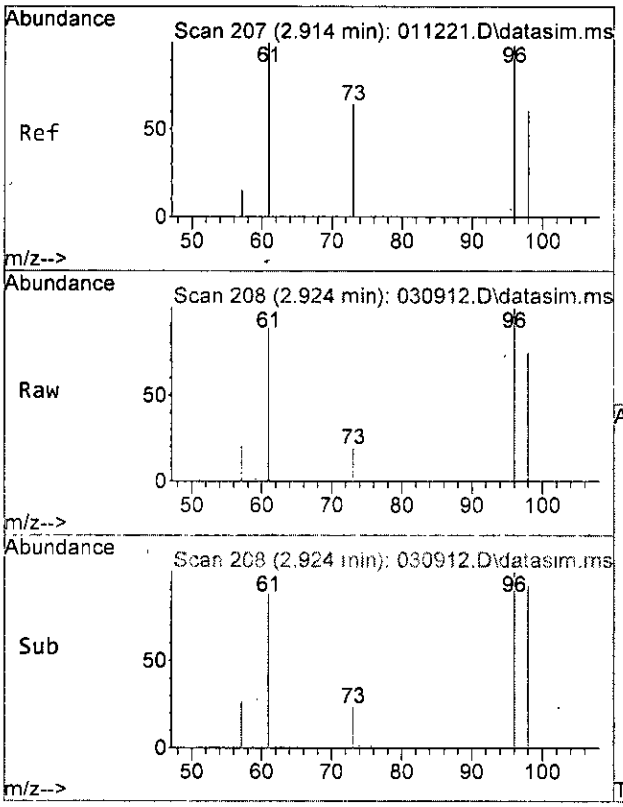


#14
Methylene chloride
Concen: 0.103 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 84 Resp: 1199

Ion	Ratio	Lower	Upper
84	100		
86	56.3	31.0	91.0
49	80.3	59.1	119.1

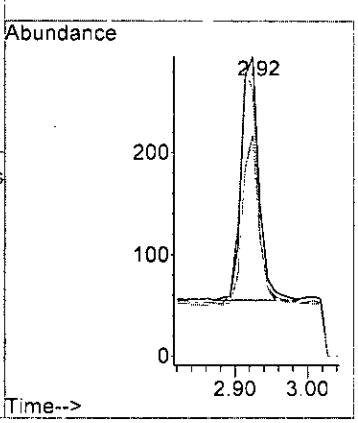


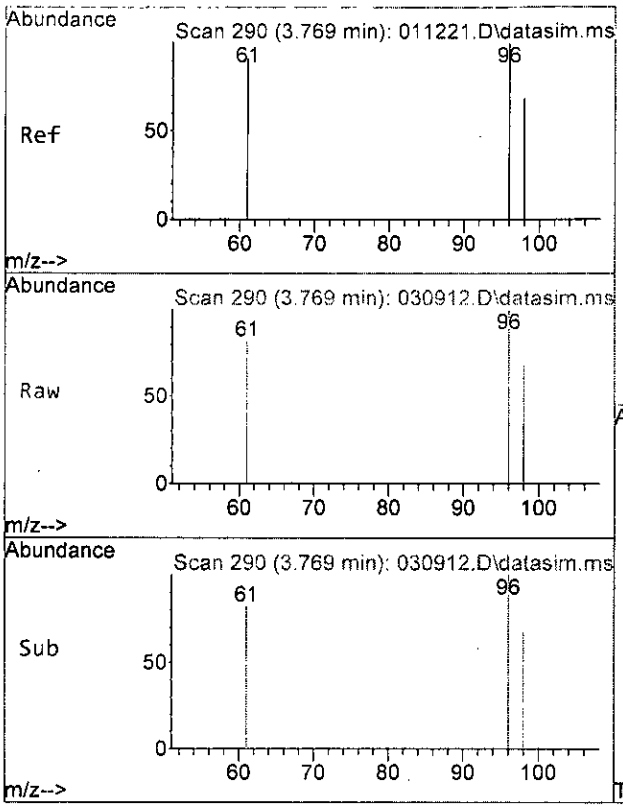


#17
trans-1,2-Dichloroethene
Concen: 0.239 ppb
RT: 2.92 min Scan# 208
Delta R.T. 0.010 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 96 Resp: 403

Ion	Ratio	Lower	Upper
96	100		
61	86.3	68.5	128.5
98	68.8	32.0	92.0

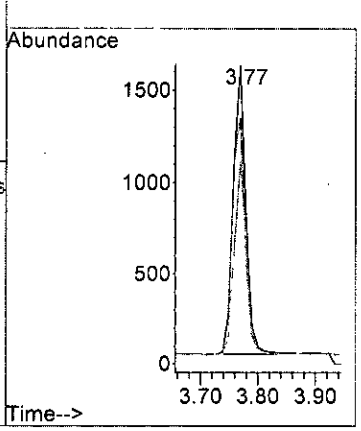


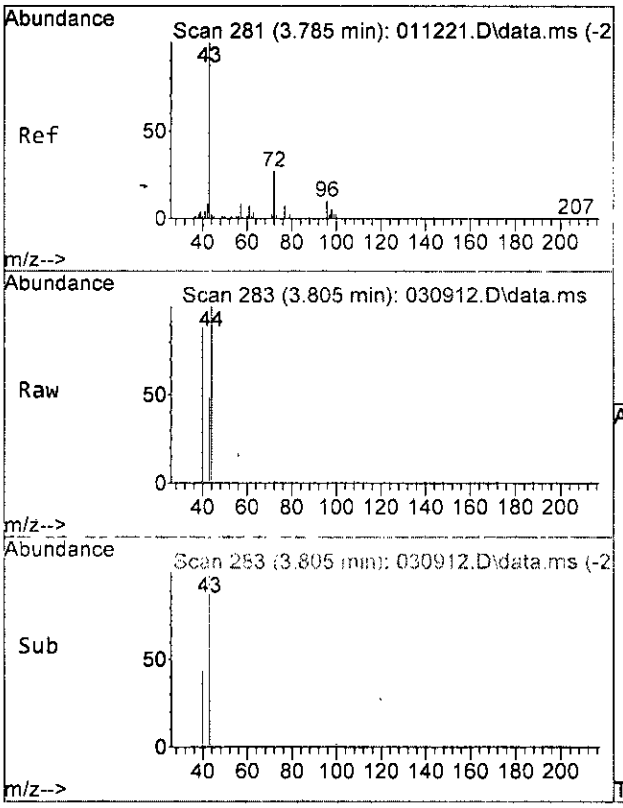


#22
cis-1,2-Dichloroethene
Concen: 1.290 ppb
RT: 3.77 min Scan# 290
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 96 Resp: 2406

Ion	Ratio	Lower	Upper
96	100		
61	81.6	55.9	115.9
98	67.0	38.9	98.9

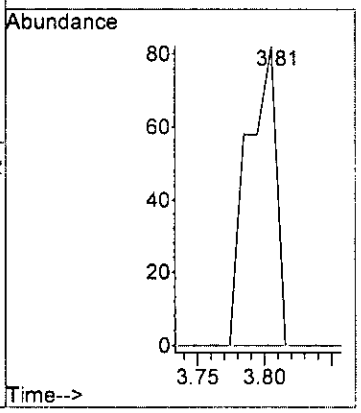


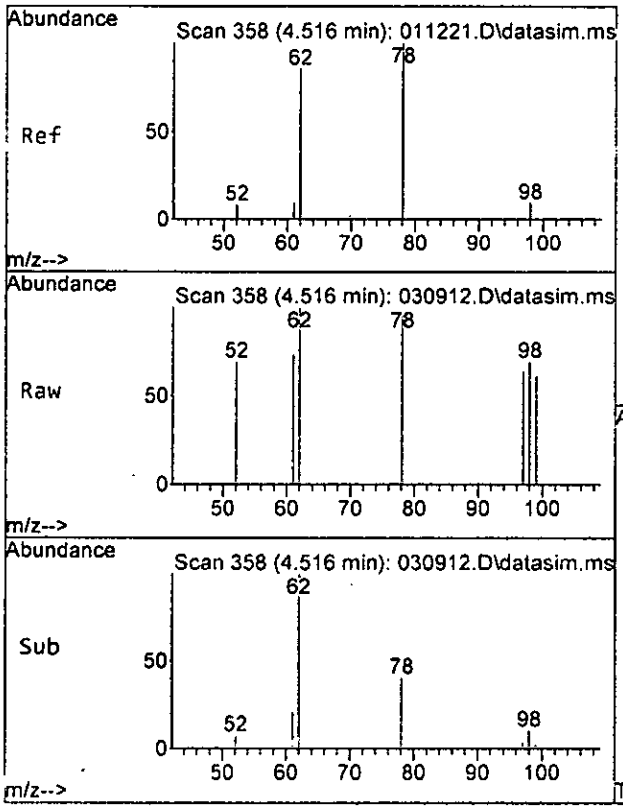


#24
2-Butanone (MEK)
Concen: 0.260 ppb
RT: 3.81 min Scan# 283
Delta R.T. 0.021 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 43 Resp: 122

Ion	Ratio	Lower	Upper
43	100		
72	0.0	0.0	58.2
57	0.0	0.0	28.6

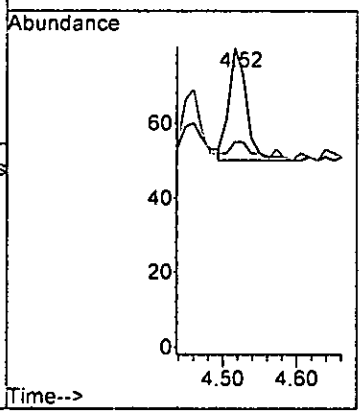


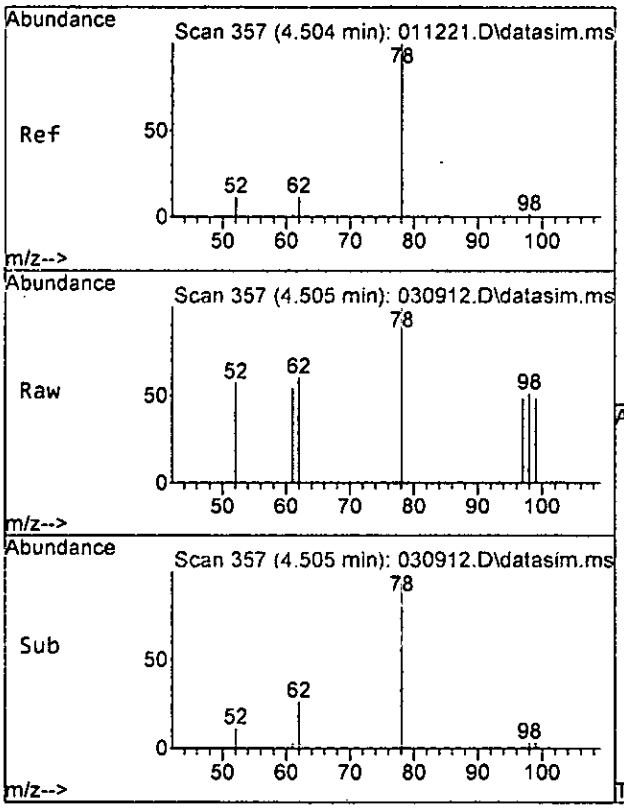


#26
1,2-Dichloroethane (EDC)
Concen: Below Cal
RT: 4.52 min Scan# 358
Delta R.T. 0.001 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 62 Resp: 50

Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	41.6

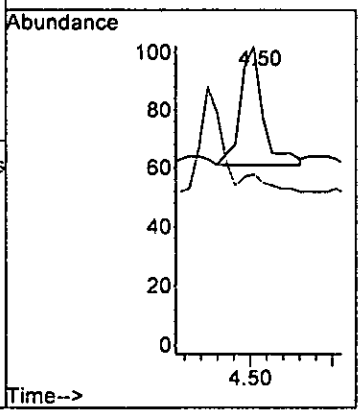


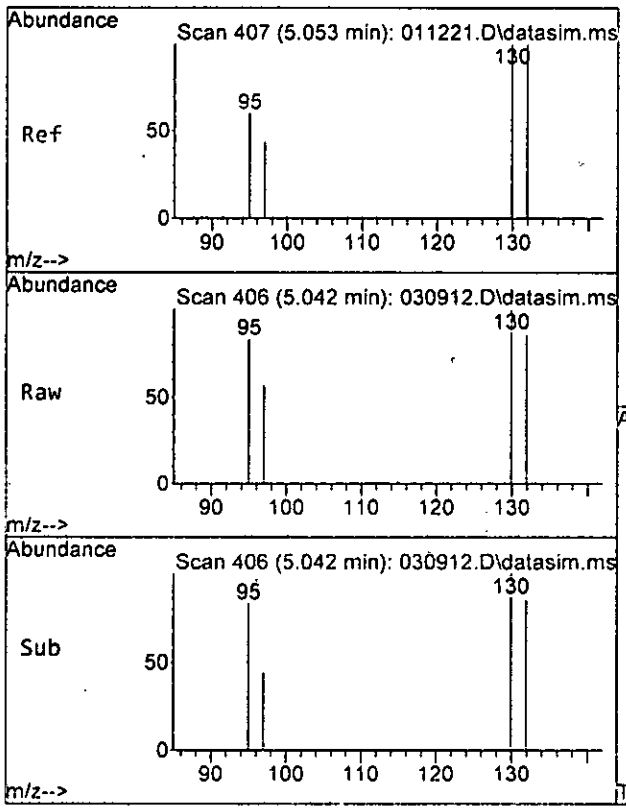


#31
Benzene
Concen: Below Cal
RT: 4.50 min Scan# 357
Delta R.T. 0.001 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 78 Resp: 78

Ion	Ratio	Lower	Upper
78	100		
52	14.6	0.0	40.8

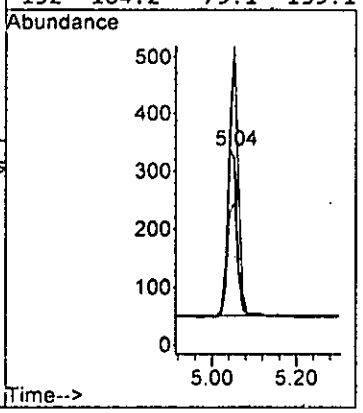


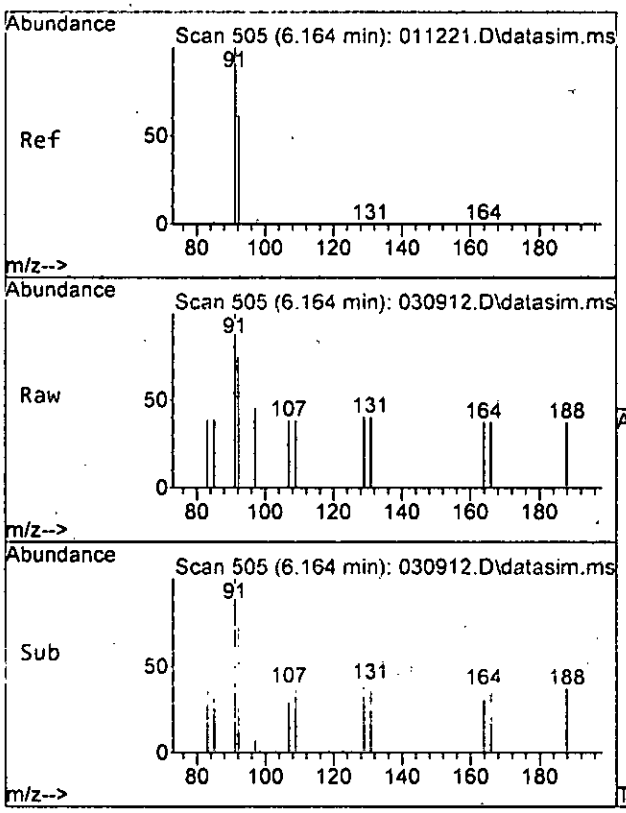


#32
Trichloroethene
Concen: 0.200 ppb
RT: 5.04 min Scan# 406
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 95 Resp: 474

Ion	Ratio	Lower	Upper
95	100		
97	62.8	30.7	90.7
130	125.3	96.9	156.9
132	104.2	79.1	139.1

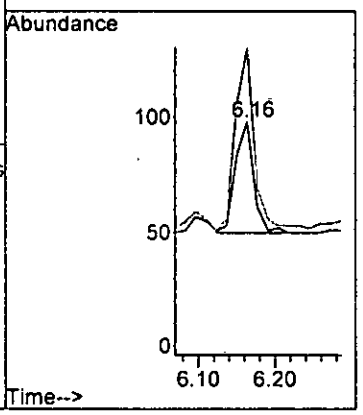


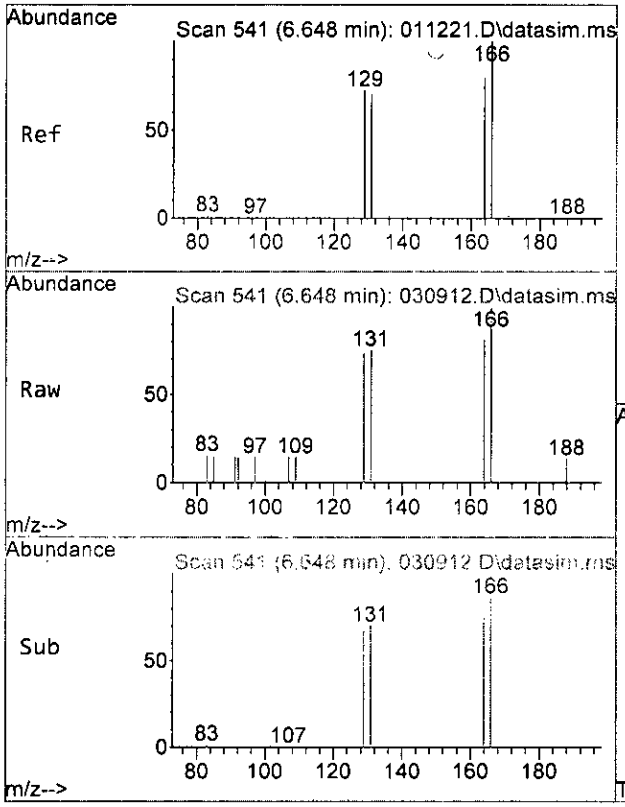


#40
Toluene
Concen: Below Cal
RT: 6.16 min Scan# 505
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 92 Resp: 80

Ion	Ratio	Lower	Upper
92	100		
91	164.6	132.7	192.7

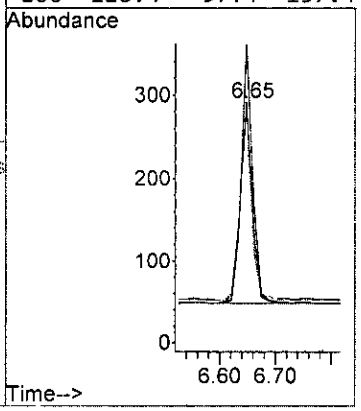


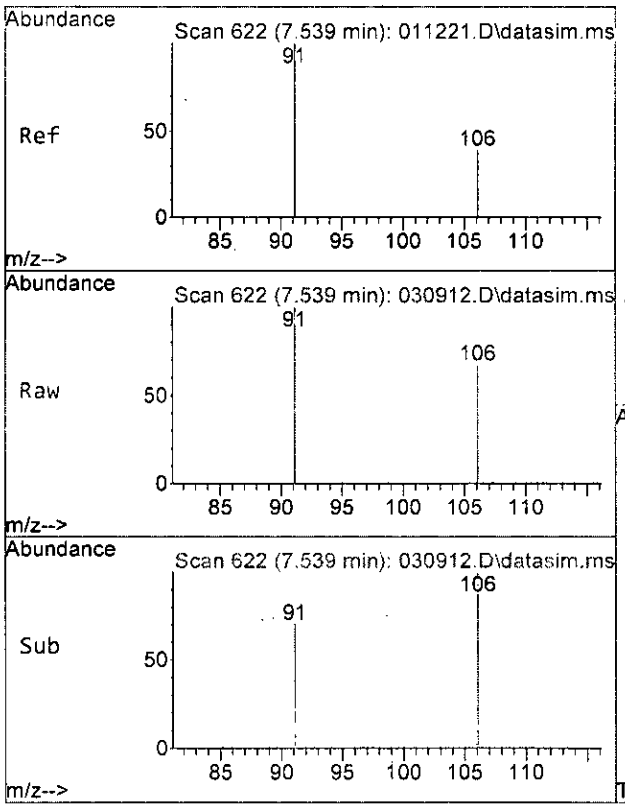


#45
Tetrachloroethene
Concen: 0.103 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion:164 Resp: 345

Ion	Ratio	Lower	Upper
164	100		
129	86.8	59.2	119.2
131	89.7	58.8	118.8
166	128.4	97.4	157.4

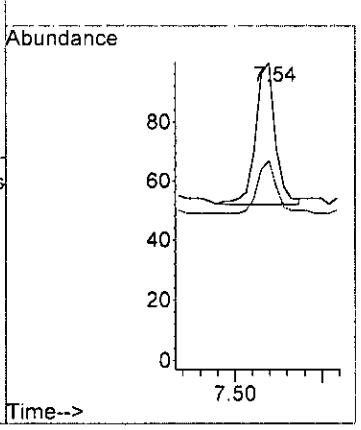


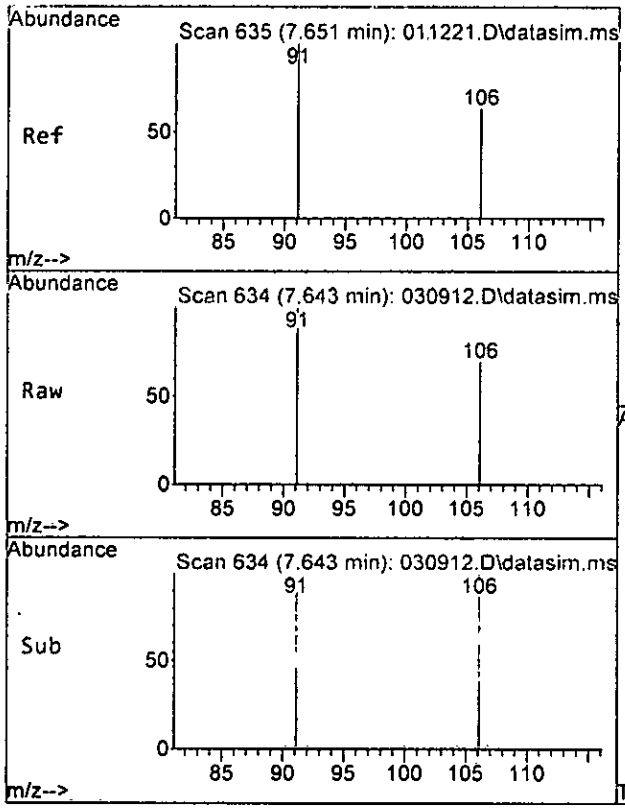


#49
Ethylbenzene
Concen: Below Cal
RT: 7.54 min Scan# 622
Delta R.T. 0.000 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion: 91 Resp: 76

Ion	Ratio	Lower	Upper
91	100		
106	37.5	9.9	69.9

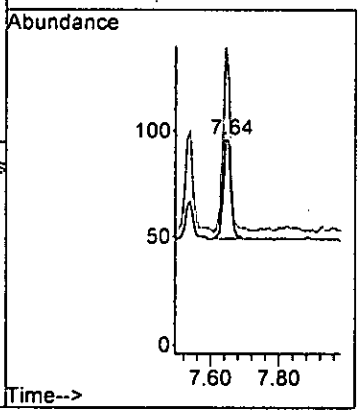


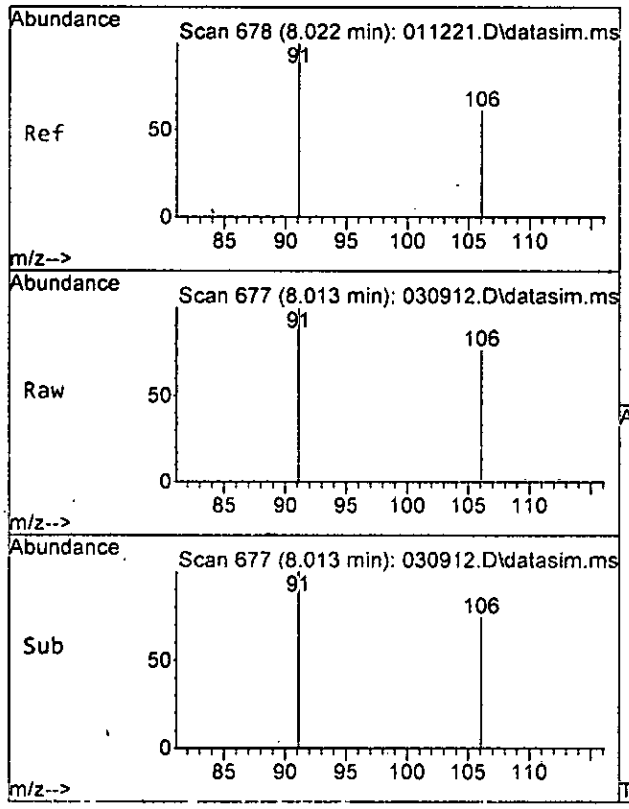


#51
m,p-Xylene
Concen: Below Cal
RT: 7.64 min Scan# 634
Delta R.T. -0.008 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion:106 Resp: 73

Ion	Ratio	Lower	Upper
106	100		
91	180.9	125.2	185.2

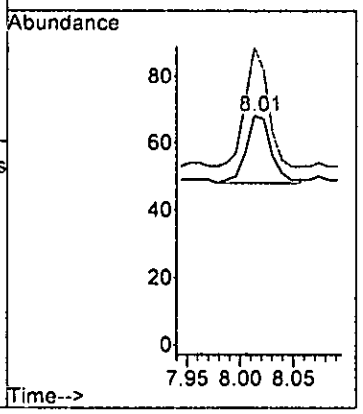




#52
o-Xylene
Concen: Below Cal
RT: 8.01 min Scan# 677
Delta R.T. -0.008 min
Lab File: 030912.D
Acq: 09 Mar 2023 01:02 pm

Tgt Ion:106 Resp: 33

Ion	Ratio	Lower	Upper
106	100		
91	180.0	131.3	191.3



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	55701	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	50334	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	29644	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	18044	10.053	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 100.50%			
30) 1,2-Dichloroethane-d4	4.45	102	3399	9.609	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 96.10%			
35) Toluene-d8	6.11	98	53071	9.999	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 100.00%			
57) 4-Bromofluorobenzene	8.51	95	18330	10.253	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 102.50%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	671	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.57	94	331	Below Cal	#	2
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.32	58	302	3.305	ppb	95
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	1199	0.103	ppb	92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17] trans-1,2-Dichloroethene	2.92	96	403	0.239	ppb	89
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	2406	1.290	ppb	96
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.81	43	122	0.260	ppb	53
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	50	Below Cal		96
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.50	78	78	Below Cal		90
32] Trichloroethene	5.04	95	474	0.200	ppb	97
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

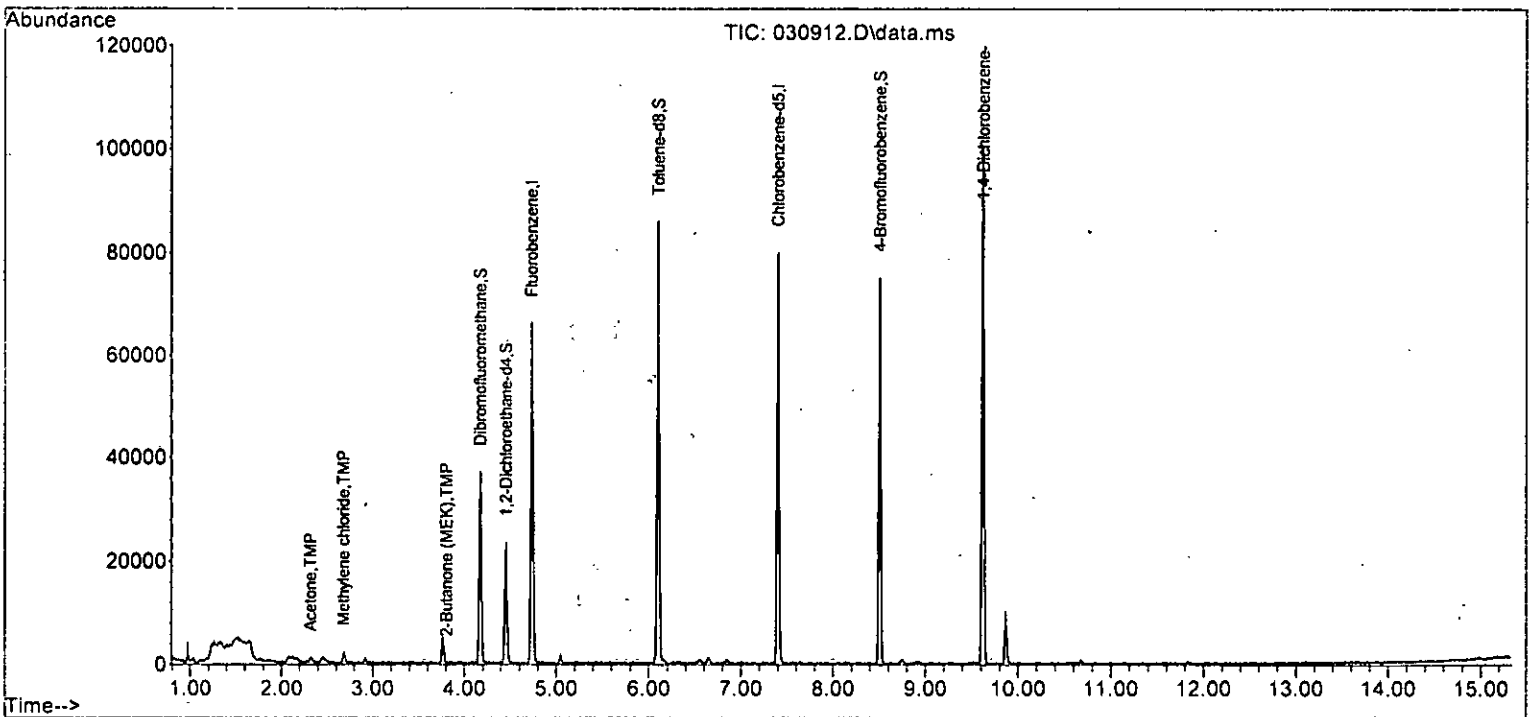
Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

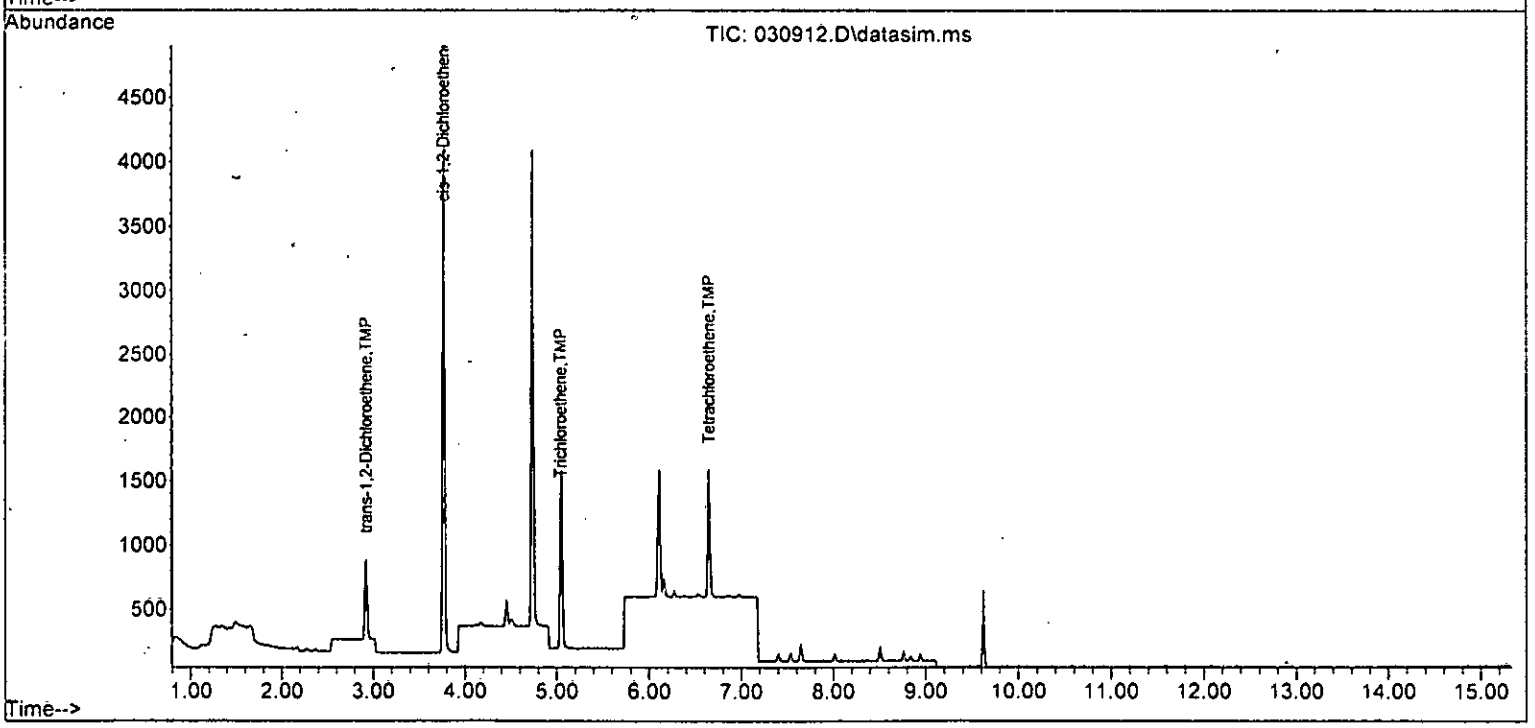
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	80	Below Cal	99
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	27	N.D.	
43) 2-Hexanone	0.00		0	N.D. d	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	345	0.103 ppb	99
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	76	Below Cal	96
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	73	Below Cal	80
52] o-Xylene	8.01	106	33	Below Cal	86
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	8.36	105	73	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.95	91	70	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	8.93	105	71	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.95	91	70	N.D.	
64) 4-Chlorotoluene	8.95	91	70	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	77	N.D.	
67) sec-Butylbenzene	9.46	105	44	N.D.	
68) p-Isopropyltoluene	9.60	119	90	N.D.	
69) 1,3-Dichlorobenzene	9.56	146	69	N.D.	
70) 1,4-Dichlorobenzene	9.64	146	69	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.59	180	65	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.83	128	223	N.D.	
76) 1,2,3-Trichlorobenzene	12.07	180	87	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-09-23\
Data File : 030912.D
Acq On : 09 Mar 2023 01:02 pm
Operator : lm
Sample : 302330-02 rr
Misc : water
ALS Vial : 8 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 13:19:57 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

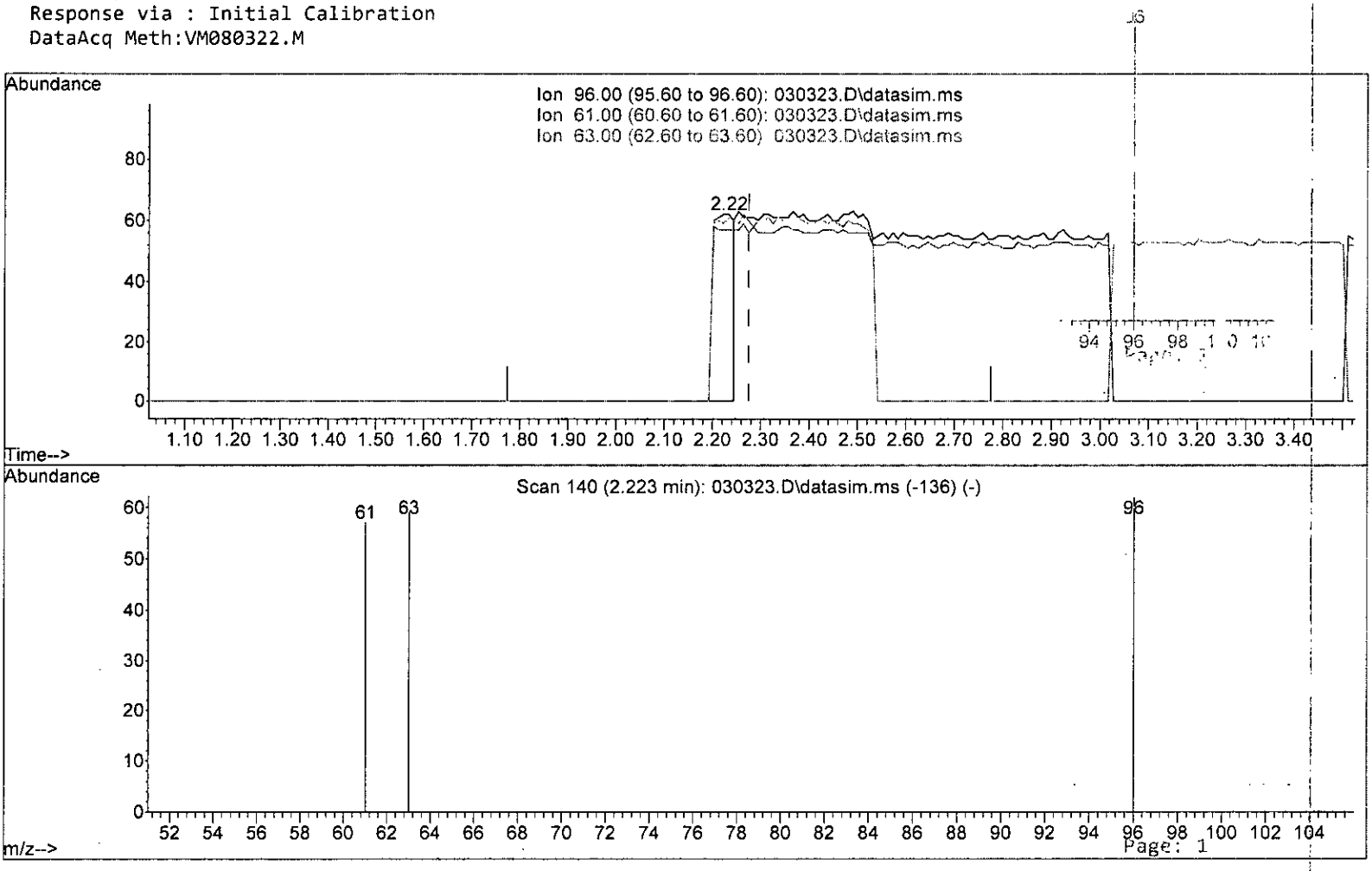




Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030323.D\data.ms

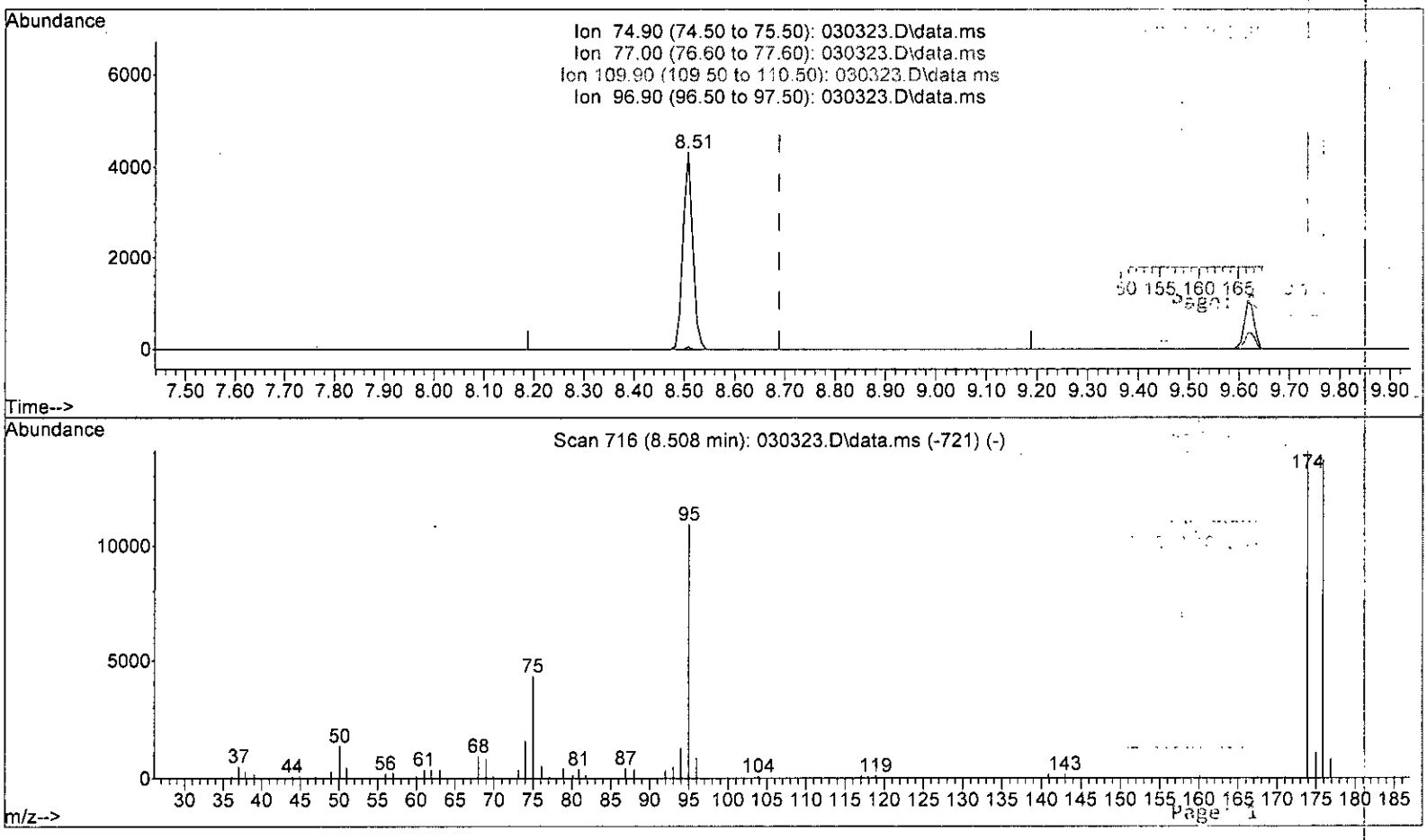
(12) 1,1-Dichloroethene (TMP)
2.223min (-0.052) 0.098 ppb
response 188

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	91.94
63.00	36.10	95.16#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030323.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 6.972 ppb

response 5739

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	1.23#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

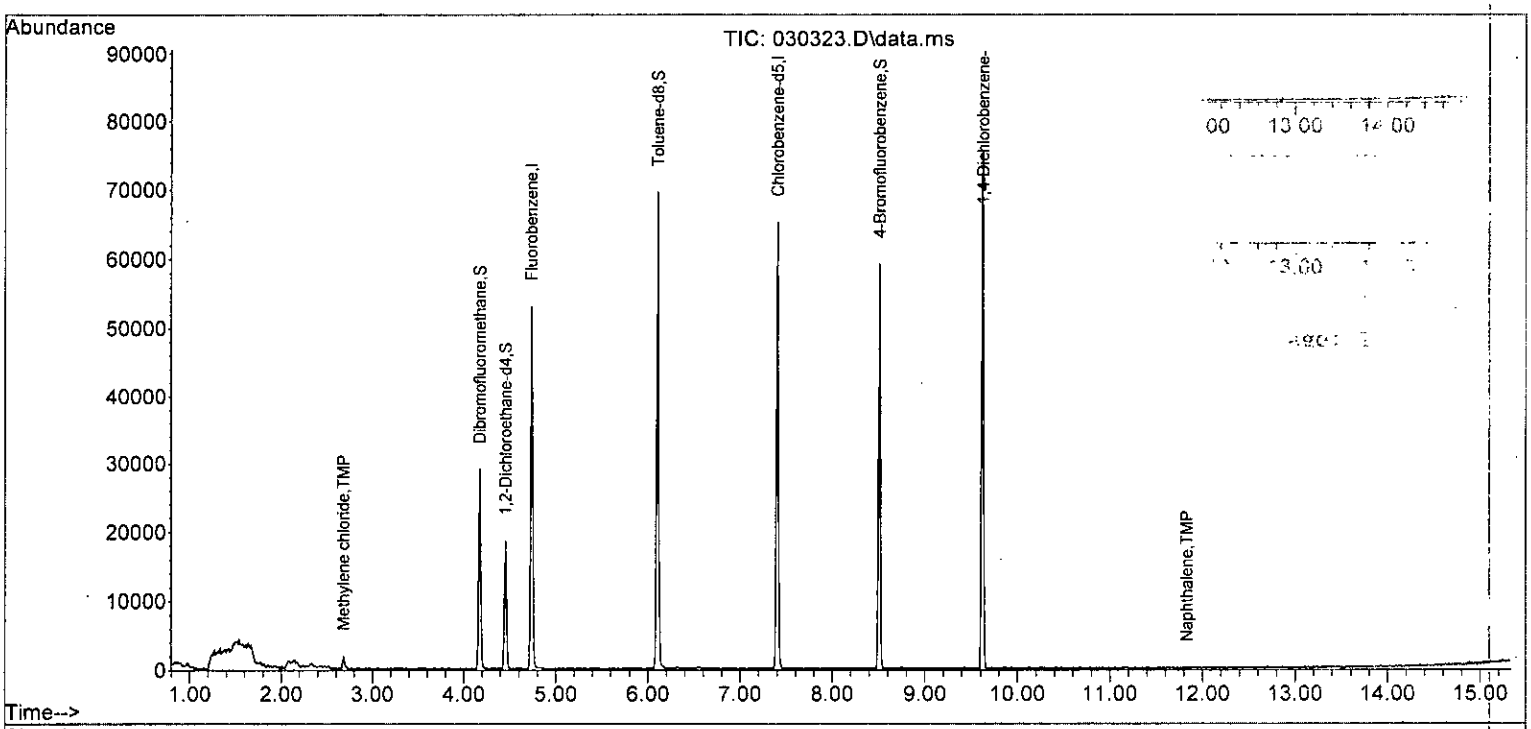
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	43536	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	40815	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22563	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14093	10.368	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%			
30) 1,2-Dichloroethane-d4	4.45	102	2789	10.334	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.30%			
35) Toluene-d8	6.11	98	42465	10.475	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.80%			
57) 4-Bromofluorobenzene	8.51	95	14730	10.589	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.90%			
Target Compounds						Qvalue
14) Methylene chloride	2.68	84	810	1.037	ppb	80
26] 1,2-Dichloroethane (EDC)	4.52	62	23	Below Cal		92
45] Tetrachloroethene	6.65	164	124	0.063	ppb	94
49] Ethylbenzene	7.54	91	30	Below Cal		91
75) Naphthalene	11.83	128	98	0.035	ppb	70

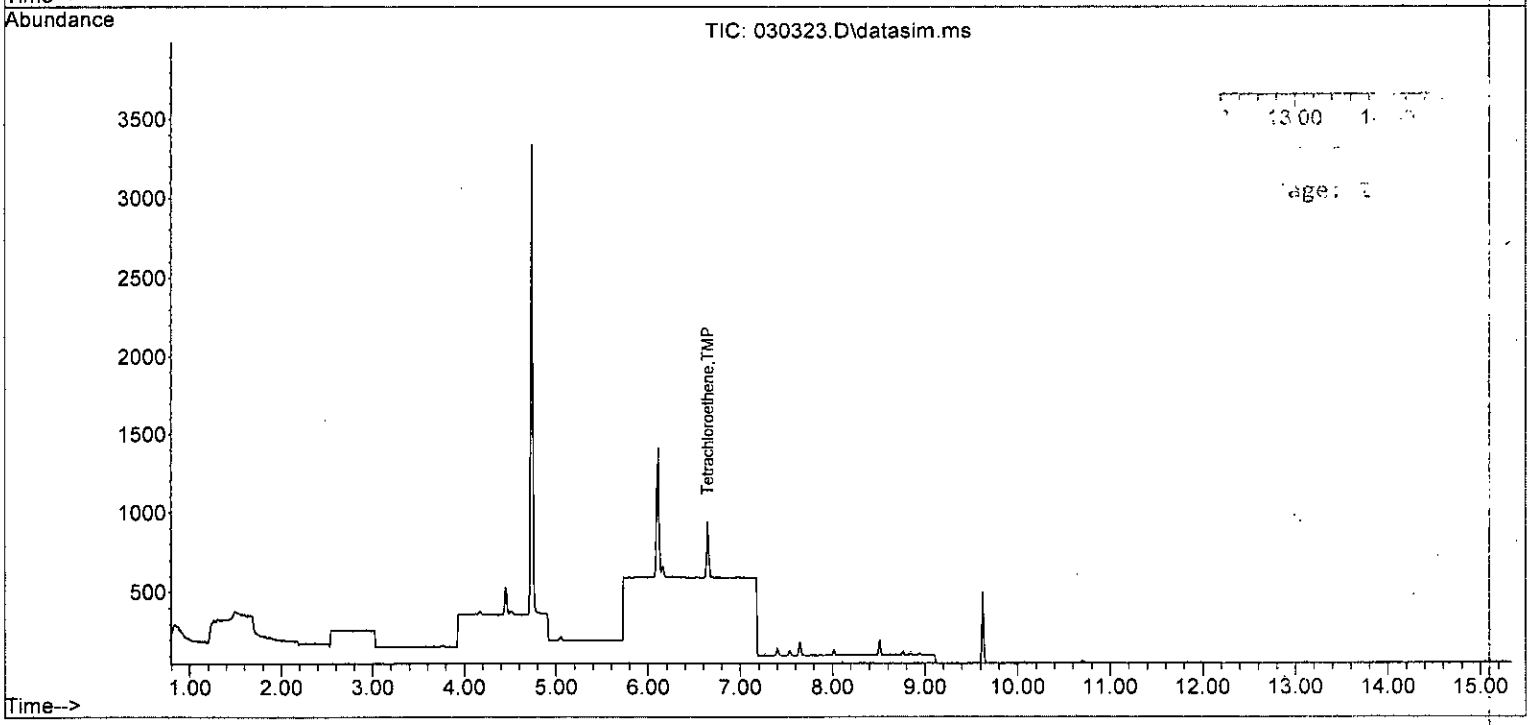
(#) = qualifier out of range (m) = manual integration (+) = signals summed

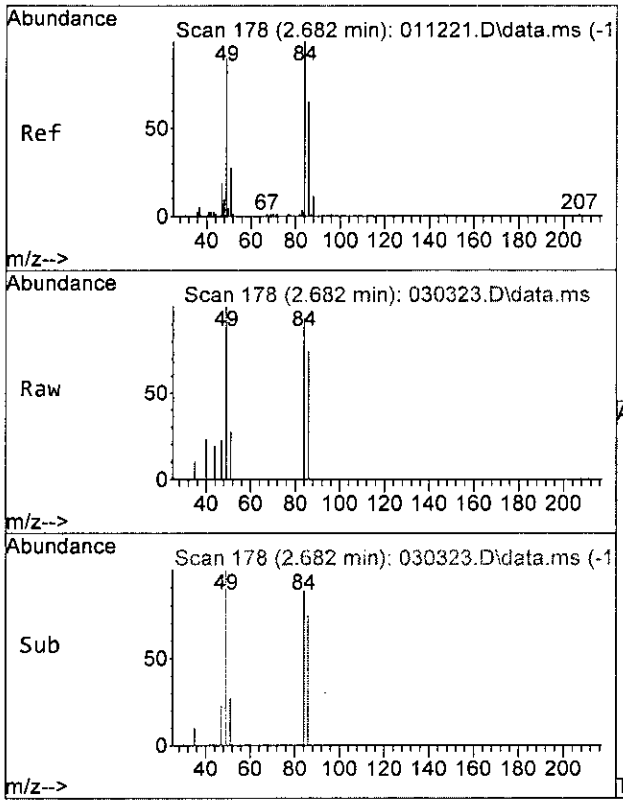
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



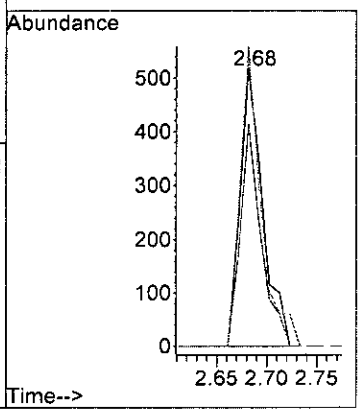


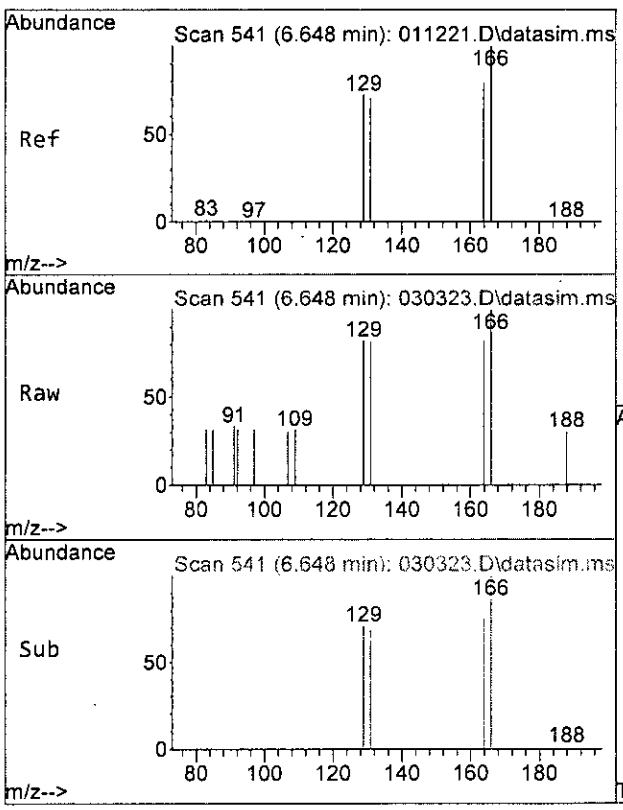


#14
Methylene chloride
Concen: 1.037 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.011 min
Lab File: 030323.D
Acq: 03 Mar 2023 02:48 pm

Tgt Ion: 84 Resp: 810

Ion	Ratio	Lower	Upper
84	100		
86	79.7	35.3	95.3
49	107.9	57.8	117.8

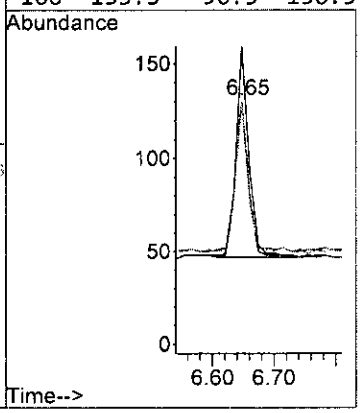


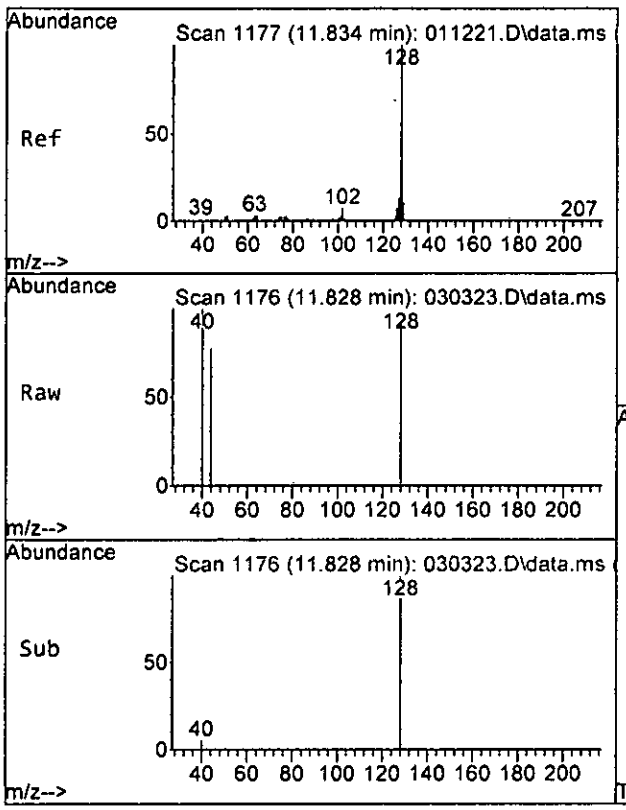


#45
Tetrachloroethene
Concen: 0.063 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030323.D
Acq: 03 Mar 2023 02:48 pm

Tgt Ion:164 Resp: 124

Ion	Ratio	Lower	Upper
164	100		
129	96.4	59.5	119.5
131	92.9	58.6	118.6
166	133.3	96.5	156.5

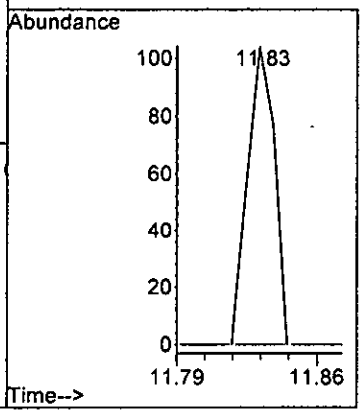




#75
Naphthalene
Concen: 0.035 ppb
RT: 11.83 min Scan# 1176
Delta R.T. -0.000 min
Lab File: 030323.D
Acq: 03 Mar 2023 02:48 pm

Tgt Ion:128 Resp: 98

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.2
127	0.0	0.0	42.3



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	43536	10.000 ppb	0.00
39) Chlorobenzene-d5	7.40	117	40815	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22563	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.17	113	14093	10.368 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 103.70%		
30) 1,2-Dichloroethane-d4	4.45	102	2789	10.334 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.30%		
35) Toluene-d8	6.11	98	42465	10.475 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.80%		
57) 4-Bromofluorobenzene	8.51	95	14730	10.589 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.90%		
Target Compounds				Qvalue	
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.25	50	630	N.D.	
6) Vinyl chloride	0.00		0	N.D.	
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.33	58	114	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D. d	
13) Hexane	0.00		0	N.D.	
14) Methylene chloride	2.68	84	810	1.037 ppb	80
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D.	
17) trans-1,2-Dichloroethene	0.00		0	N.D.	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22) cis-1,2-Dichloroethene	0.00		0	N.D.	
23) Chloroform	0.00		0	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D.	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.52	62	23	Below Cal	92
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	0.00		0	N.D.	
32) Trichloroethene	0.00		0	N.D.	
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

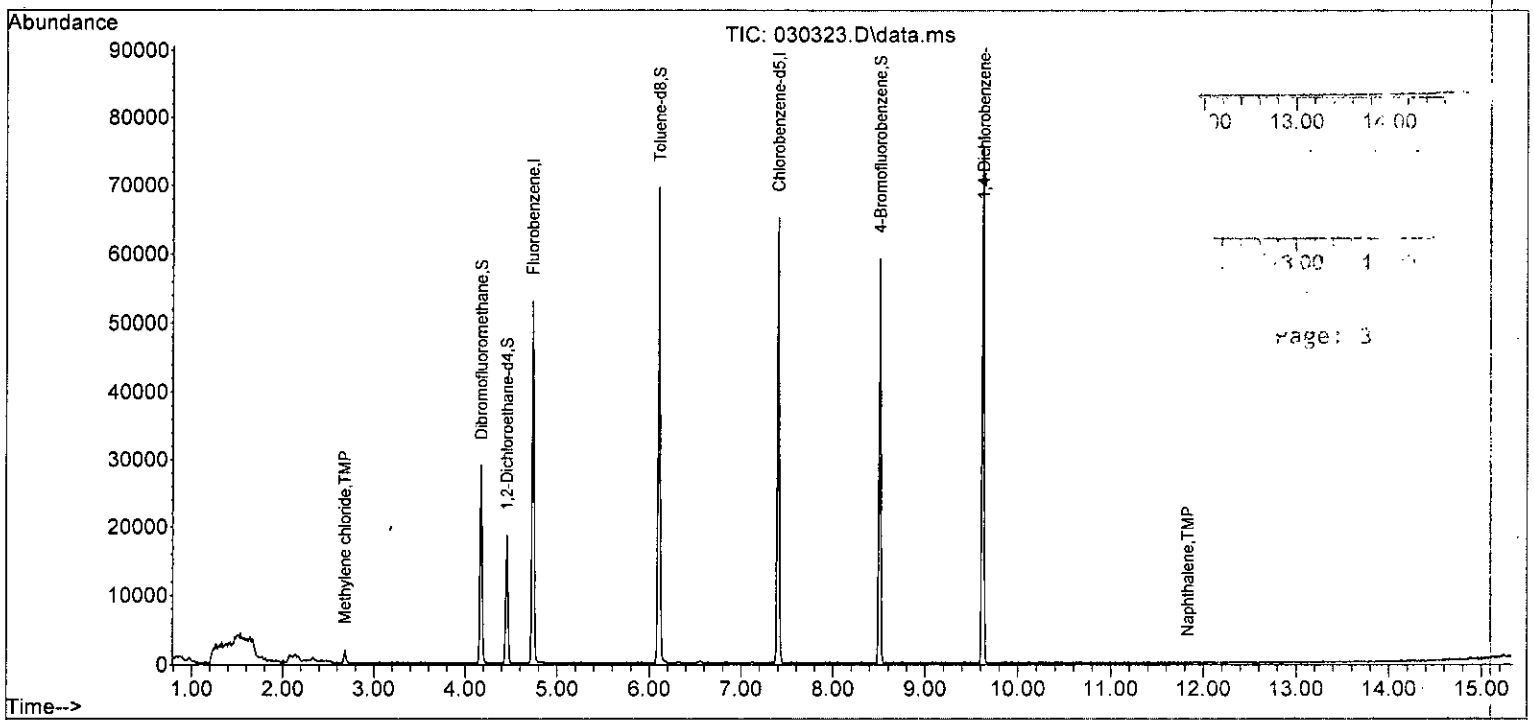
Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

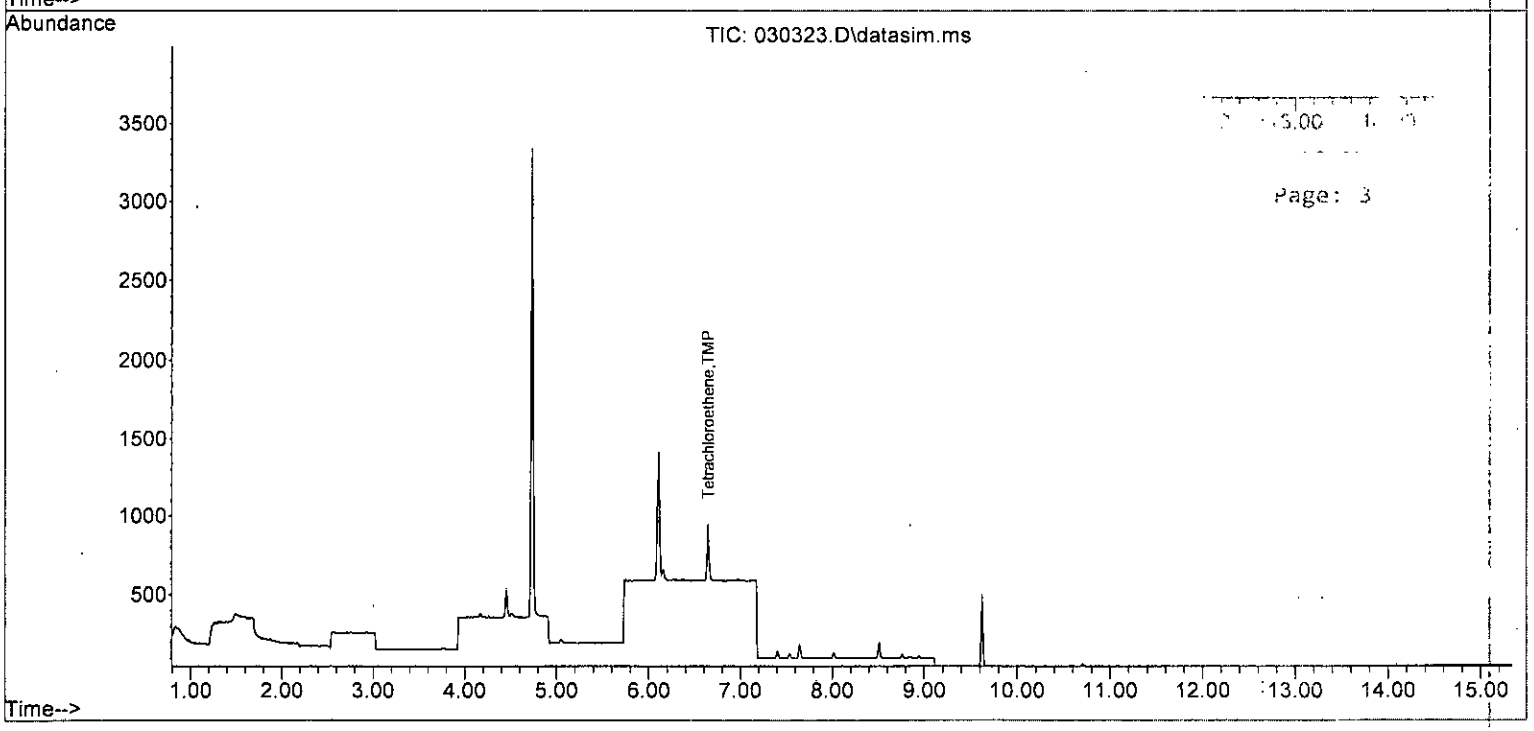
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.16	92	40	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D.	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	124	0.063 ppb	94
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.54	91	30	Below Cal	91
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51) m,p-Xylene	7.64	106	48	N.D.	
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	11.83	128	98	0.035 ppb	70
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030323.D
Acq On : 03 Mar 2023 02:48 pm
Operator : lm
Sample : 302330-03
Misc : water
ALS Vial : 13 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:17 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

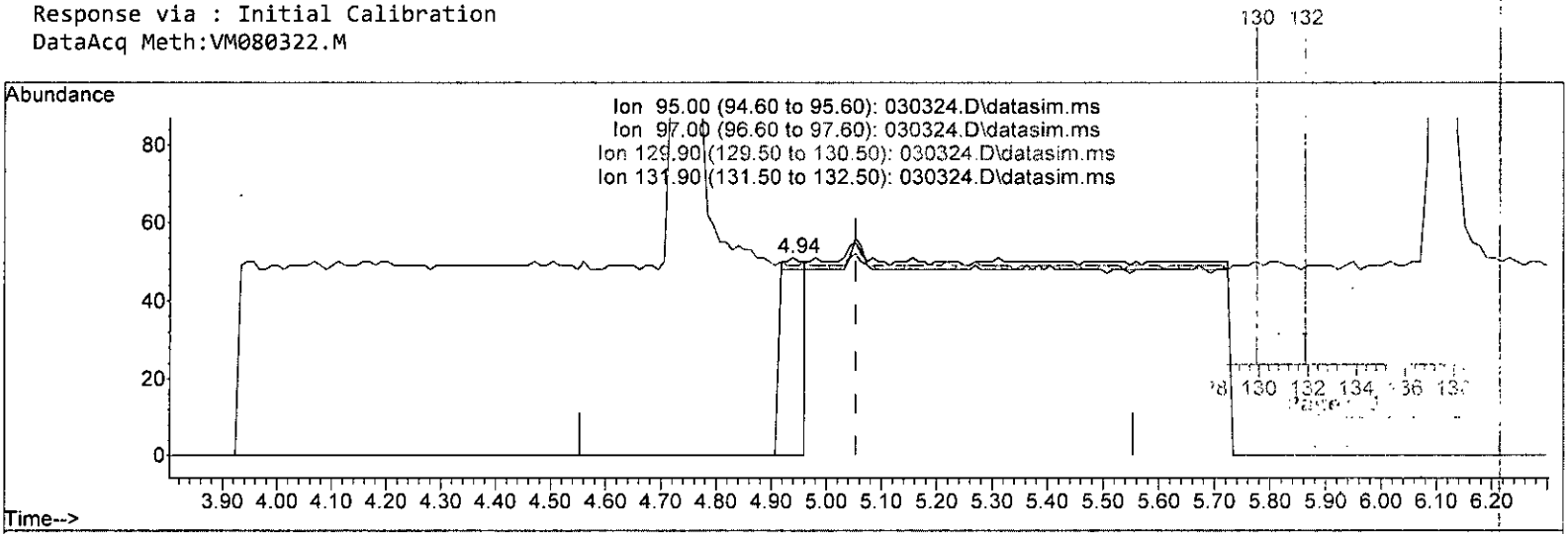


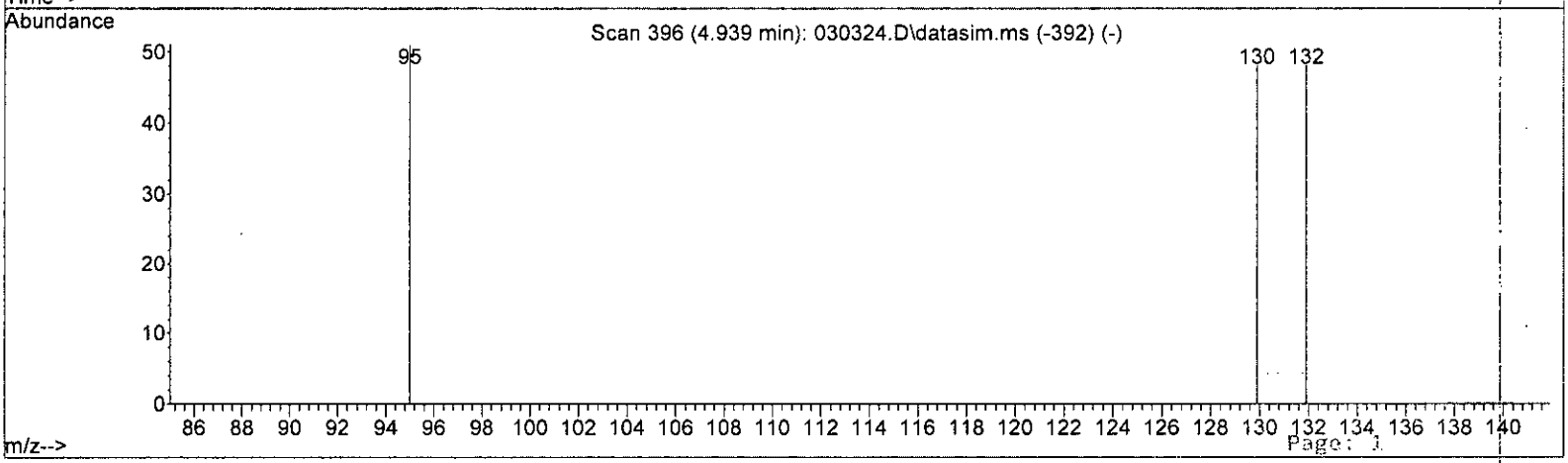


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030324.D\data.ms

(32) Trichloroethene (TMP)

4.939min (-0.114) 0.105 ppb

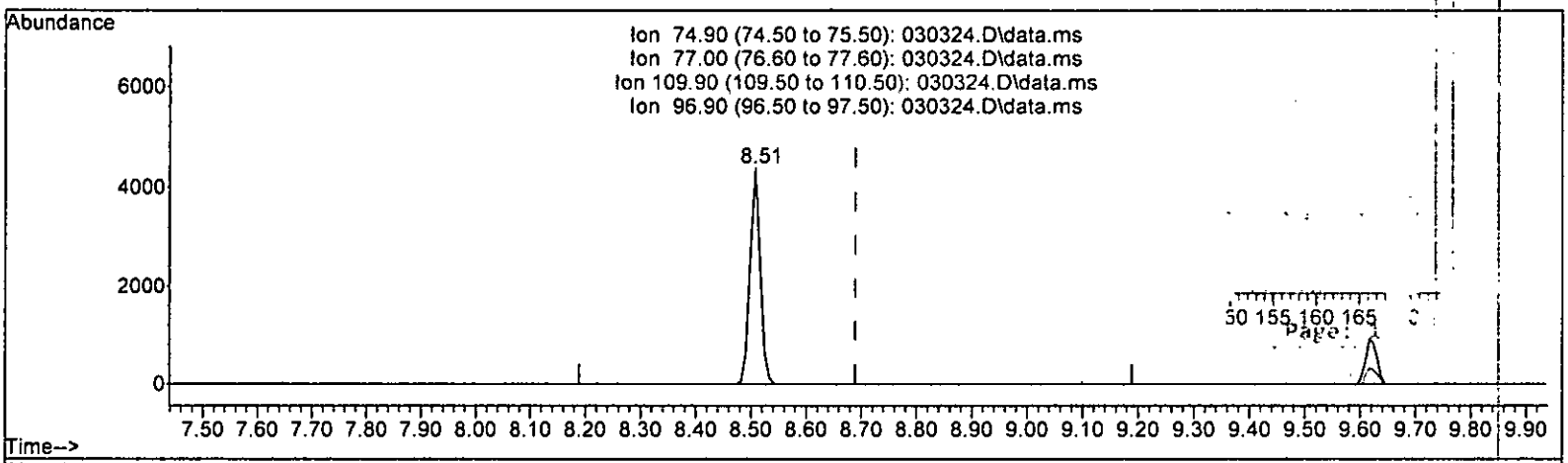
response 160

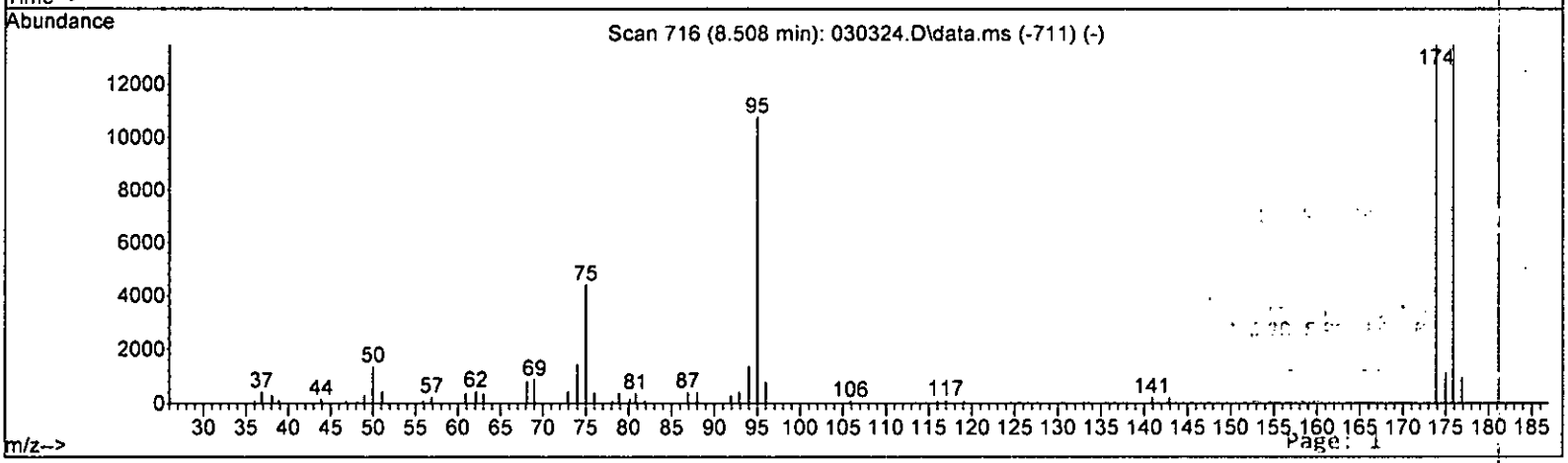
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	0.00#
129.90	158.20	94.12#
131.90	155.20	94.12#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030324.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 7.040 ppb

response 5592

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

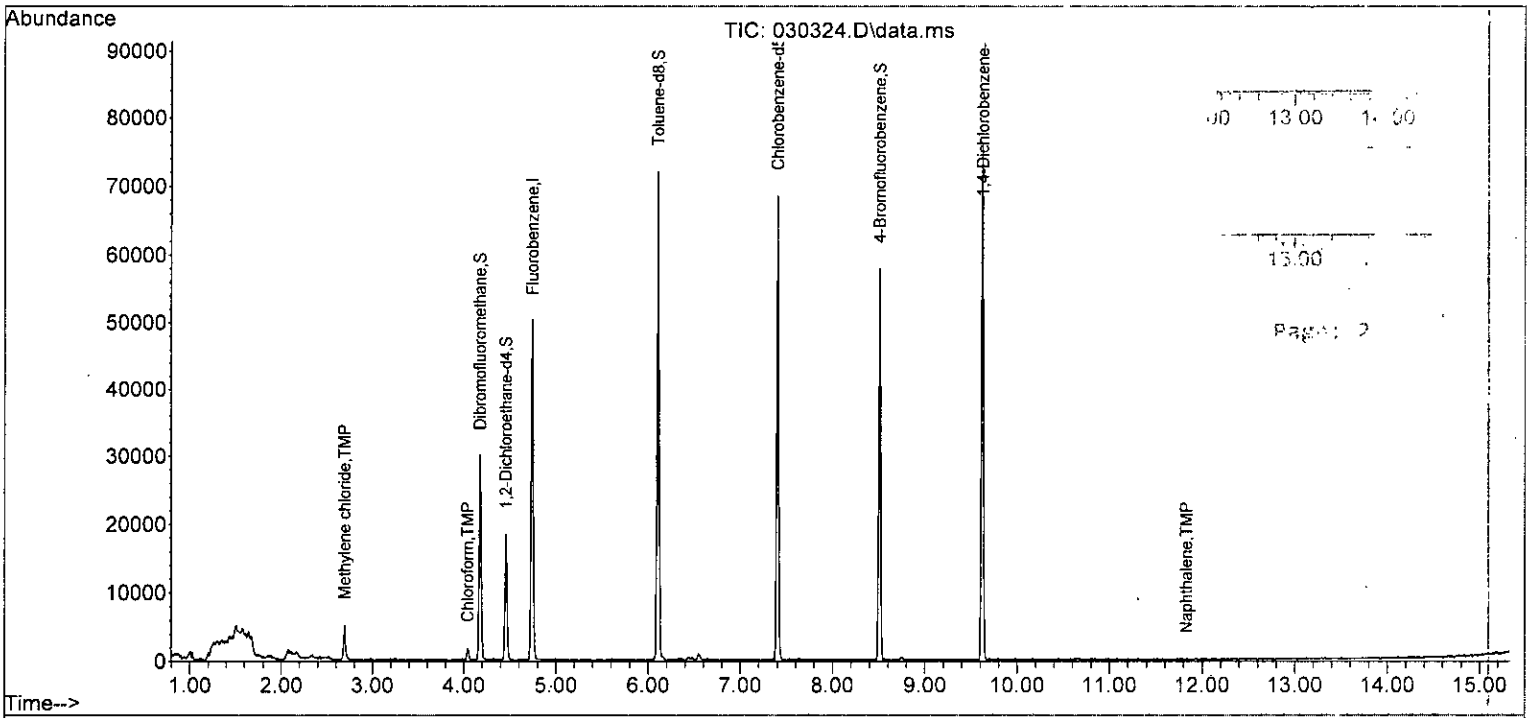
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	43841	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	40431	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21772	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14007	10.233	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.30%			
30) 1,2-Dichloroethane-d4	4.45	102	2810	10.339	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.40%			
35) Toluene-d8	6.10	98	42161	10.328	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.30%			
57) 4-Bromofluorobenzene	8.51	95	14355	10.694	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 106.90%			
Target Compounds						Qvalue
11) Acetone	2.34	58	74	Below Cal	#	1
14) Methylene chloride	2.69	84	2350	2.482	ppb	92
23) Chloroform	4.04	83	1330	0.706	ppb	99
45] Tetrachloroethene	6.65	164	92	0.045	ppb	96
51] m,p-Xylene	7.65	106	63	0.013	ppb	93
75) Naphthalene	11.83	128	48	0.023	ppb	70

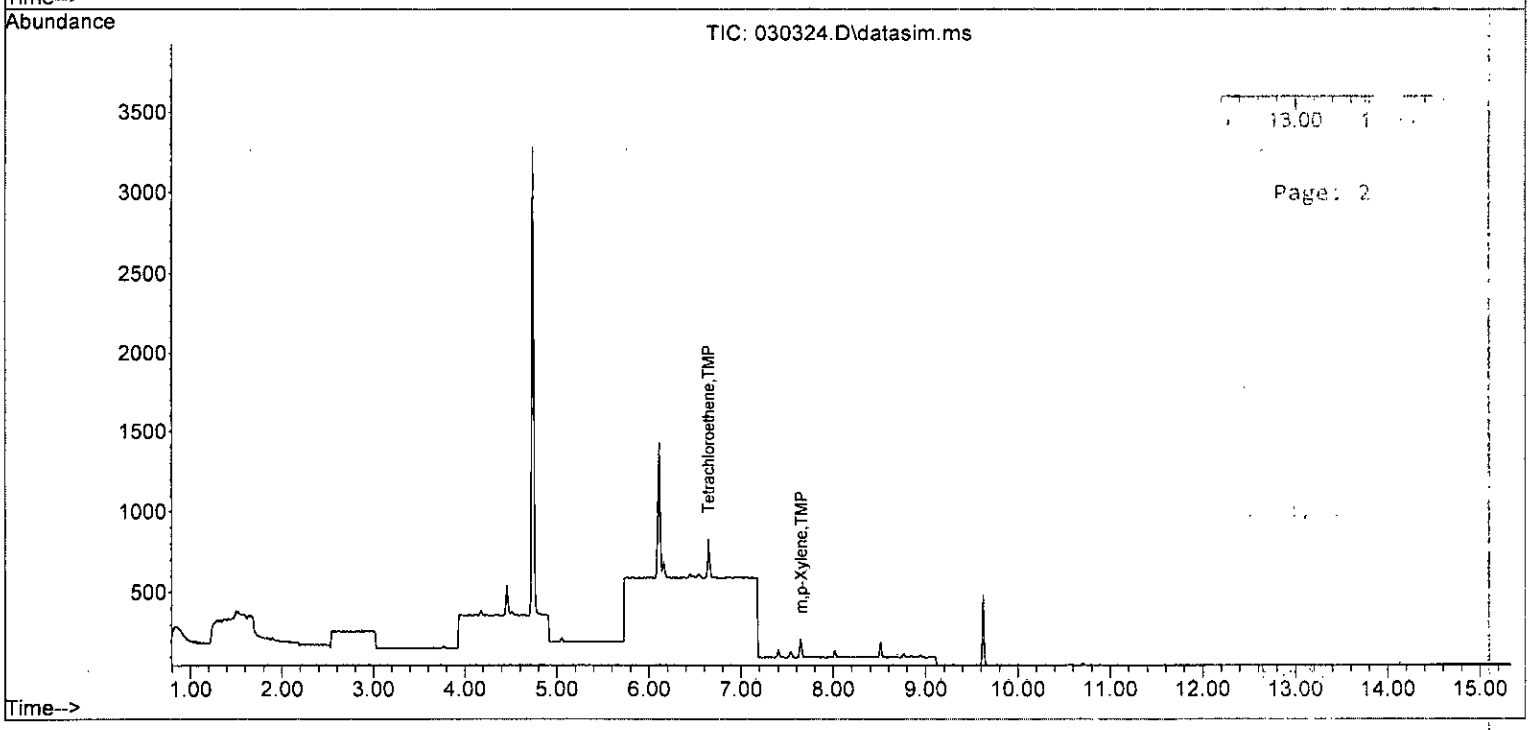
(#) = qualifier out of range (m) = manual integration (+) = signals summed

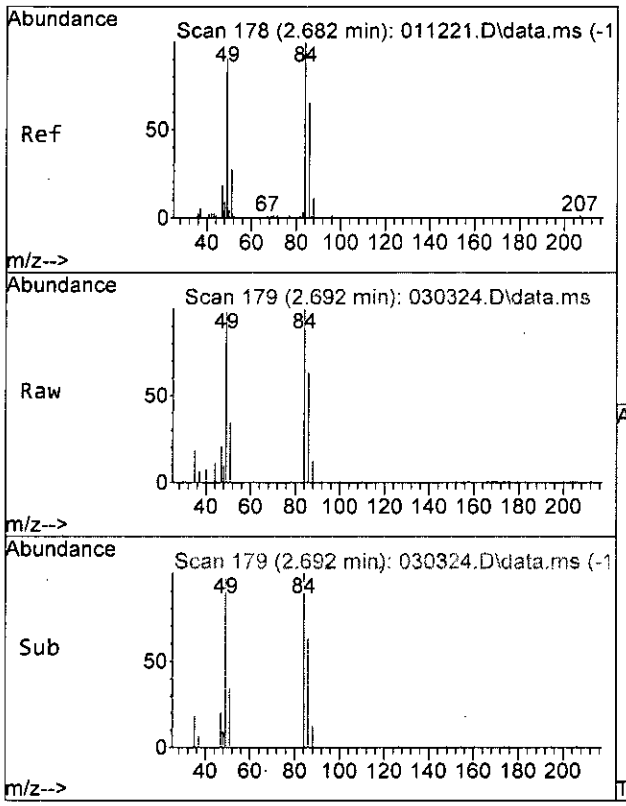
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



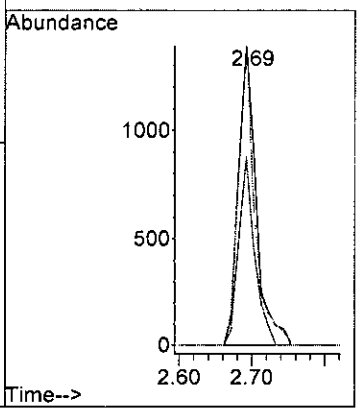


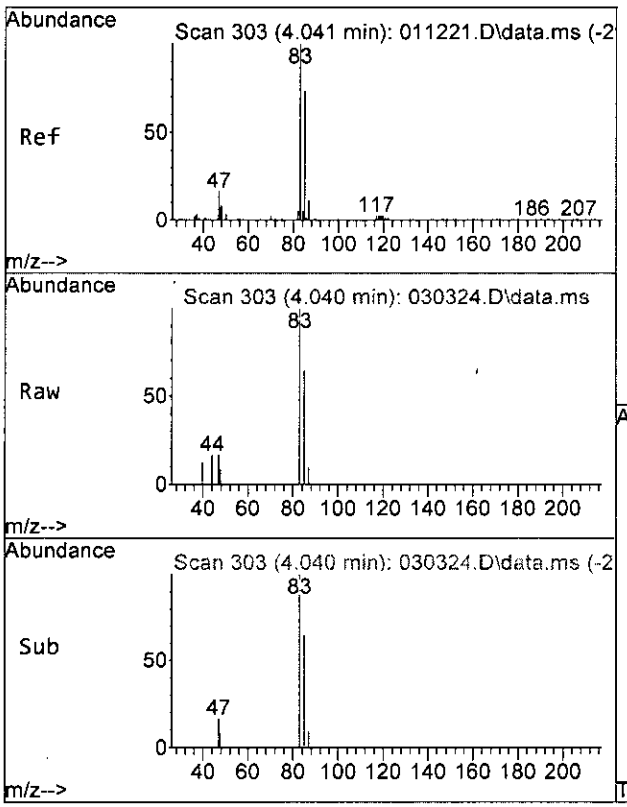


#14
Methylene chloride
Concen: 2.482 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030324.D
Acq: 03 Mar 2023 03:11 pm

Tgt Ion: 84 Resp: 2350

Ion	Ratio	Lower	Upper
84	100		
86	63.1	35.3	95.3
49	98.2	57.8	117.8

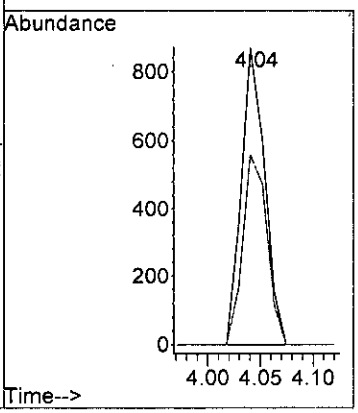


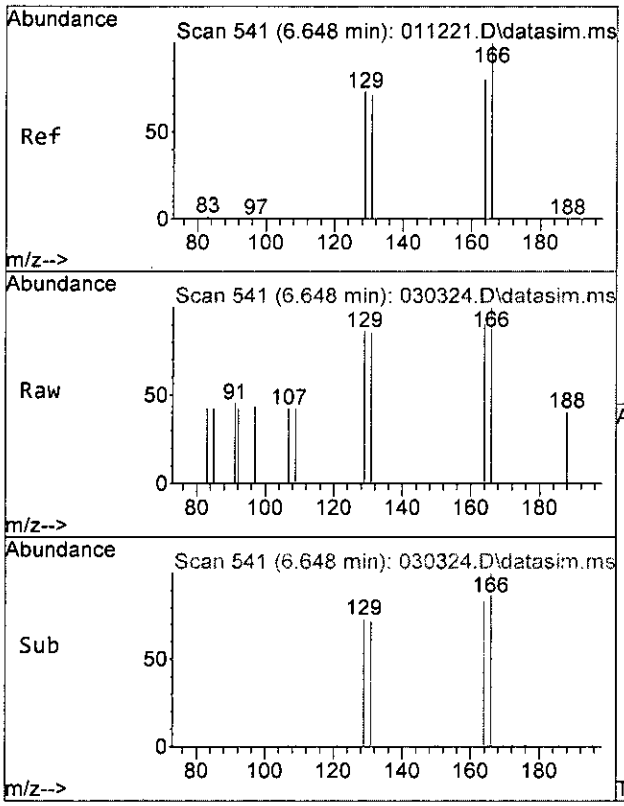


#23
Chloroform
Concen: 0.706 ppb
RT: 4.04 min Scan# 303
Delta R.T. -0.000 min
Lab File: 030324.D
Acq: 03 Mar 2023 03:11 pm

Tgt Ion: 83 Resp: 1330

Ion	Ratio	Lower	Upper
83	100		
85	64.3	34.9	94.9

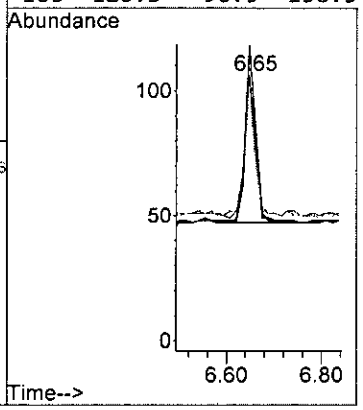


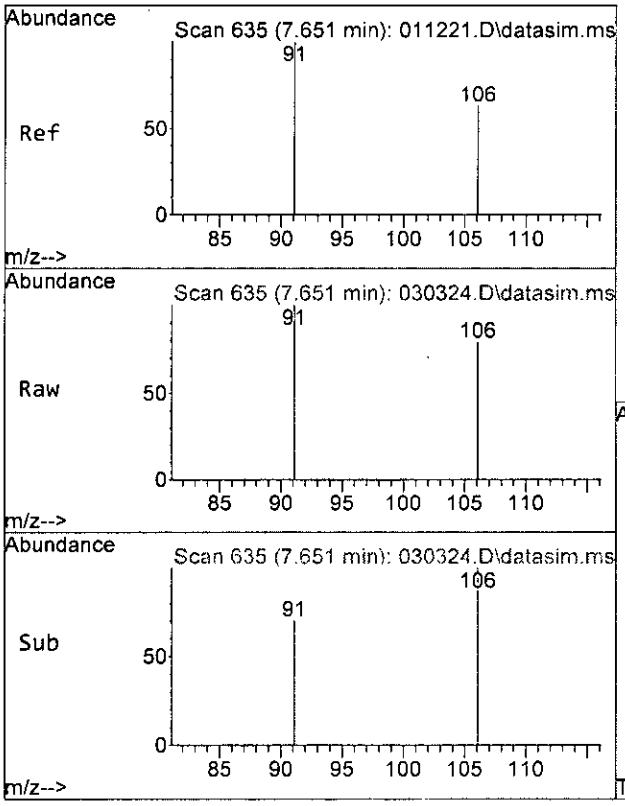


#45
Tetrachloroethene
Concen: 0.045 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030324.D
Acq: 03 Mar 2023 03:11 pm

Tgt Ion:164 Resp: 92

Ion	Ratio	Lower	Upper
164	100		
129	88.1	59.5	119.5
131	84.7	58.6	118.6
166	120.3	96.5	156.5

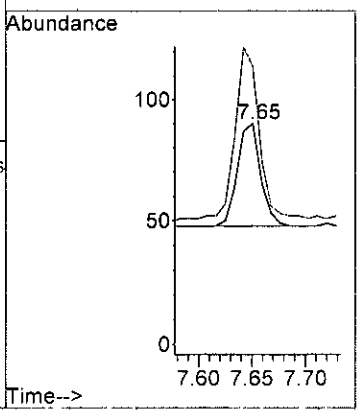


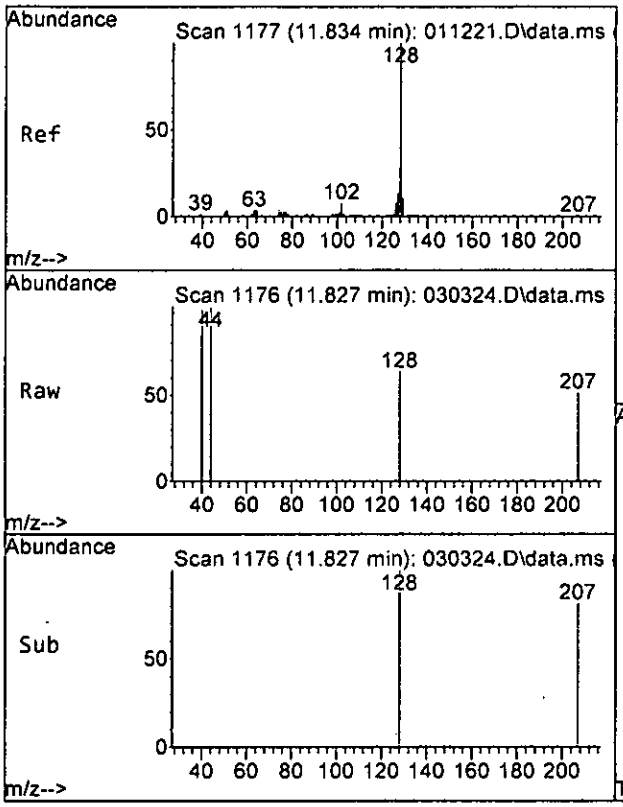


#51
m,p-Xylene
Concen: 0.013 ppb
RT: 7.65 min Scan# 635
Delta R.T. -0.000 min
Lab File: 030324.D
Acq: 03 Mar 2023 03:11 pm

Tgt Ion:106 Resp: 63

Ion	Ratio	Lower	Upper
106	100		
91	147.6	126.4	186.4

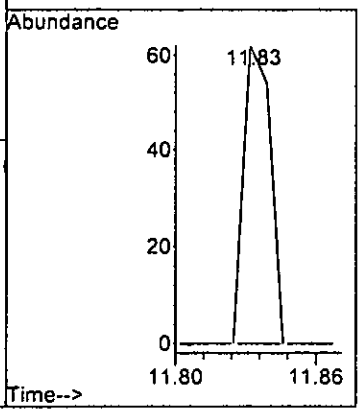




#75
Naphthalene
Concen: 0.023 ppb
RT: 11.83 min Scan# 1176
Delta R.T. -0.001 min
Lab File: 030324.D
Acq: 03 Mar 2023 03:11 pm

Tgt Ion:128 Resp: 48

Ion	Ratio	Lower	Upper
128	100		
129	0.0	0.0	41.2
127	0.0	0.0	42.3



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Page: 1

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	43841	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	40431	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21772	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14007	10.233	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.30%			
30) 1,2-Dichloroethane-d4	4.45	102	2810	10.339	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.40%			
35) Toluene-d8	6.10	98	42161	10.328	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.30%			
57) 4-Bromofluorobenzene	8.51	95	14355	10.694	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 106.90%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	254	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.34	58	74	Below Cal #		1
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	2350	2.482	ppb	92
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	4.04	83	1330	0.706	ppb	99
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D. d		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

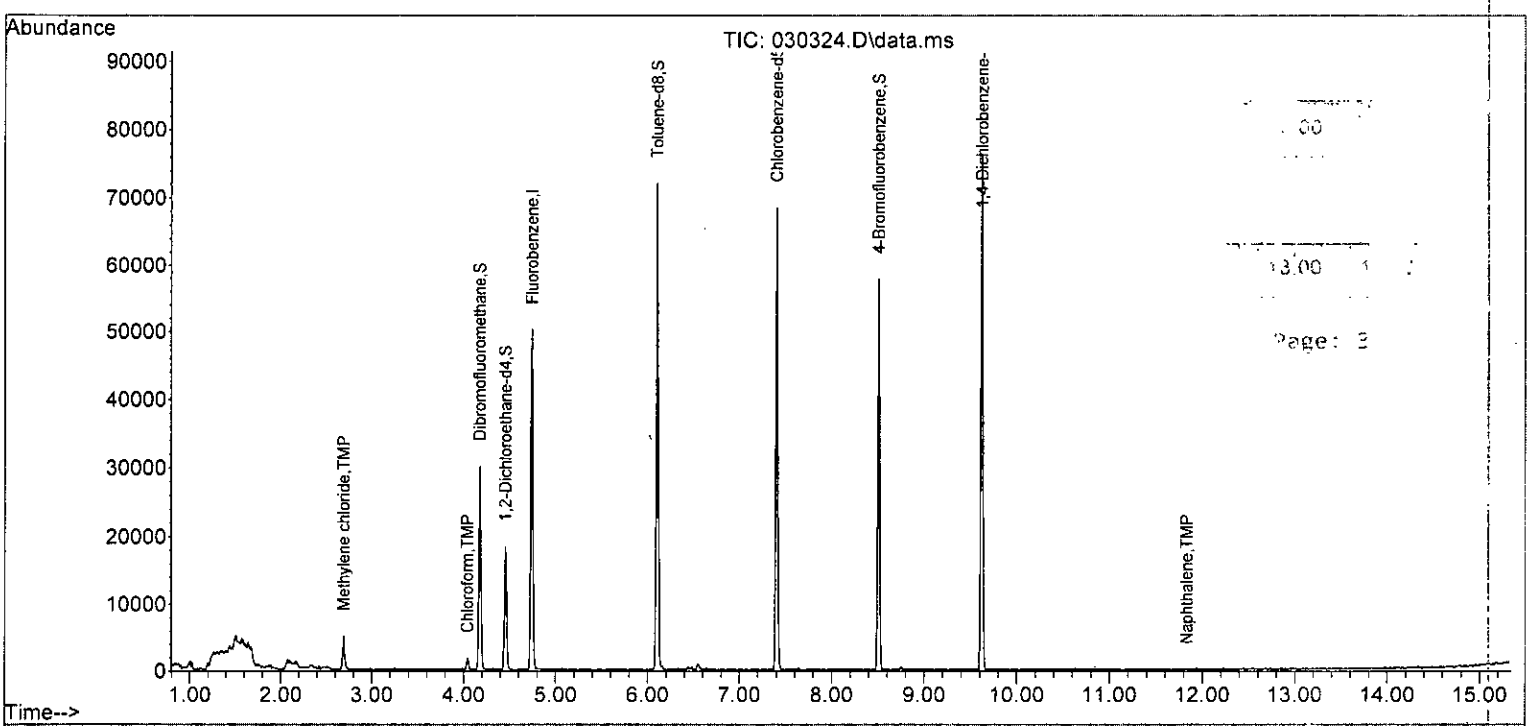
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.		
38) cis-1,3-Dichloropropene	0.00		0	N.D.		
40) Toluene	6.16	92	63	N.D.		
41) trans-1,3-Dichloropropene	0.00		0	N.D.		
42) 1,1,2-Trichloroethane	6.53	83	33	N.D.		
43) 2-Hexanone	0.00		0	N.D.		
44) 1,3-Dichloropropane	0.00		0	N.D.		
45] Tetrachloroethene	6.65	164	92	0.045	ppb	96
46) Dibromochloromethane	0.00		0	N.D.		
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.		
48) Chlorobenzene	0.00		0	N.D.		
49) Ethylbenzene	7.54	91	41	N.D.		
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.		
51] m,p-Xylene	7.65	106	63	0.013	ppb	93
52) o-Xylene	8.02	106	23	N.D.		
53) Styrene	0.00		0	N.D.		
54) Isopropylbenzene	0.00		0	N.D.		
55) Bromoform	0.00		0	N.D.		
58) n-Propylbenzene	0.00		0	N.D.		
59) Bromobenzene	0.00		0	N.D.		
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.		
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.		
62) 1,2,3-Trichloropropane	0.00		0	N.D. d		
63) 2-Chlorotoluene	0.00		0	N.D.		
64) 4-Chlorotoluene	0.00		0	N.D.		
65) tert-Butylbenzene	0.00		0	N.D.		
66) 1,2,4-Trimethylbenzene	9.30	105	54	N.D.		
67) sec-Butylbenzene	9.30	105	54	N.D.		
68) p-Isopropyltoluene	0.00		0	N.D.		
69) 1,3-Dichlorobenzene	0.00		0	N.D.		
70) 1,4-Dichlorobenzene	0.00		0	N.D.		
71) 1,2-Dichlorobenzene	0.00		0	N.D.		
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.		
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.		
74) Hexachlorobutadiene	0.00		0	N.D.		
75) Naphthalene	11.83	128	48	0.023	ppb	70
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.		

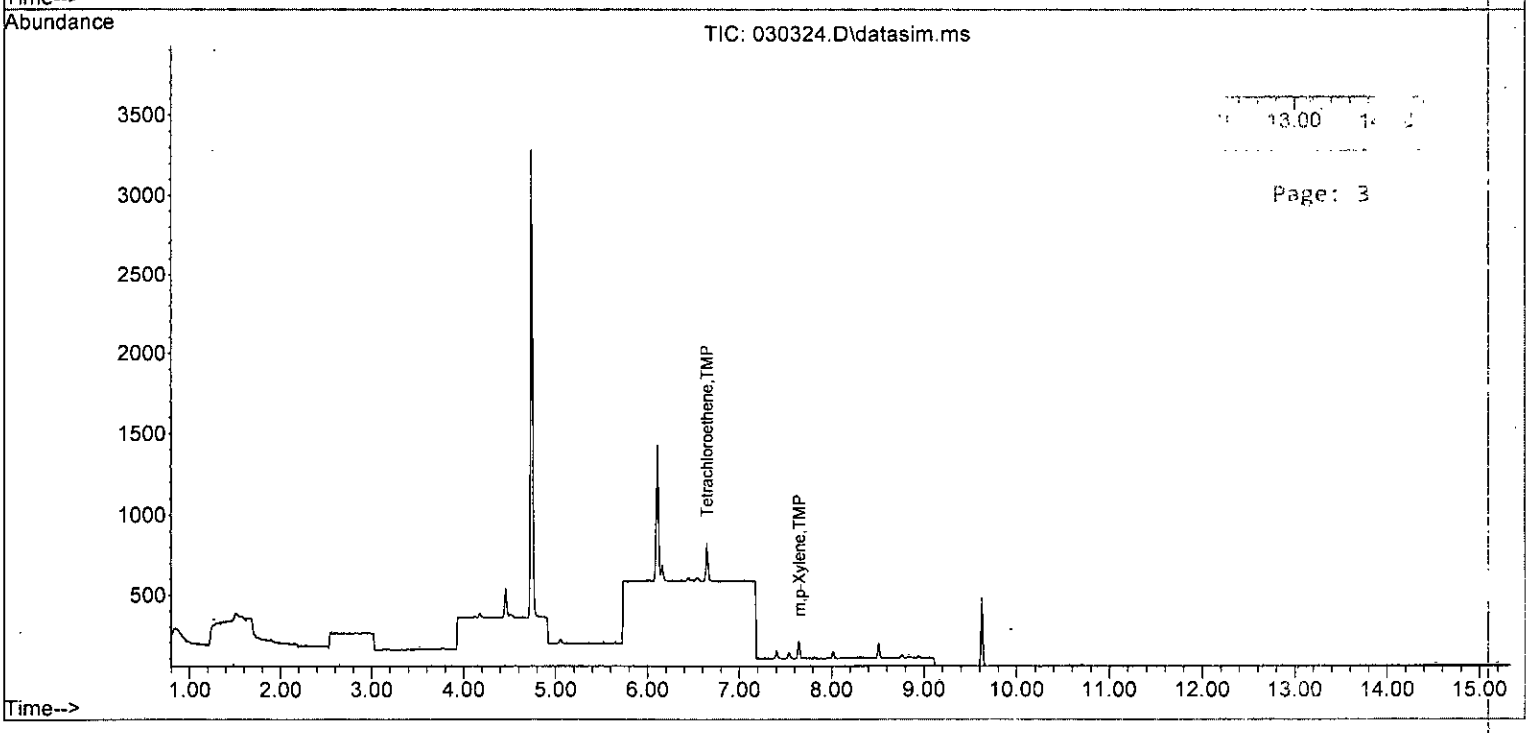
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030324.D
Acq On : 03 Mar 2023 03:11 pm
Operator : lm
Sample : 302330-04
Misc : water
ALS Vial : 14 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:22 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

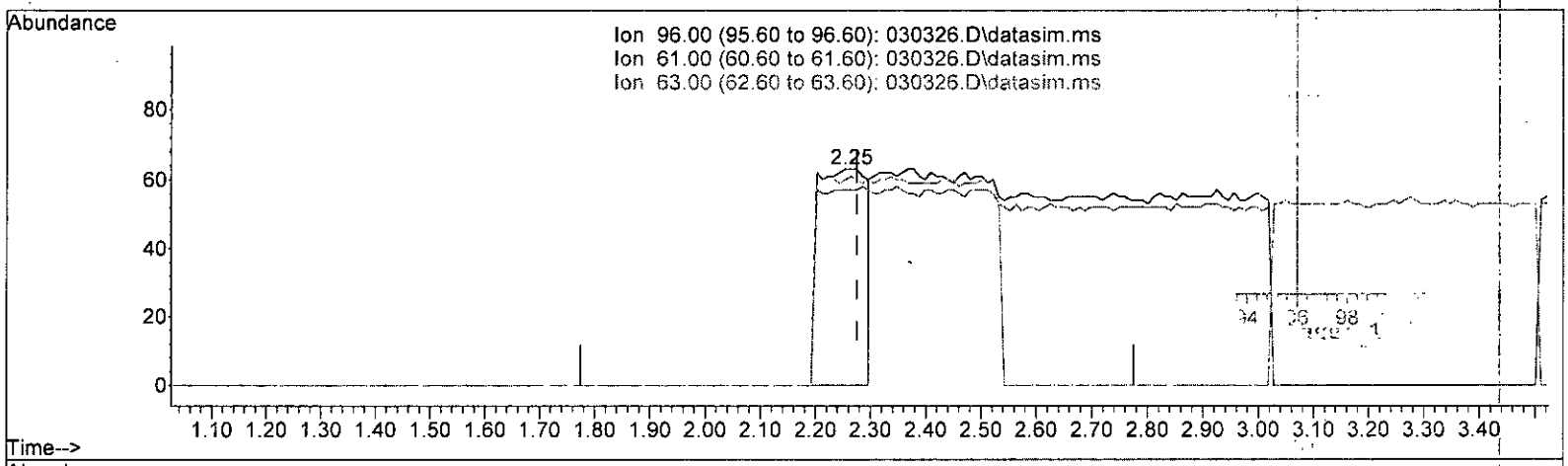


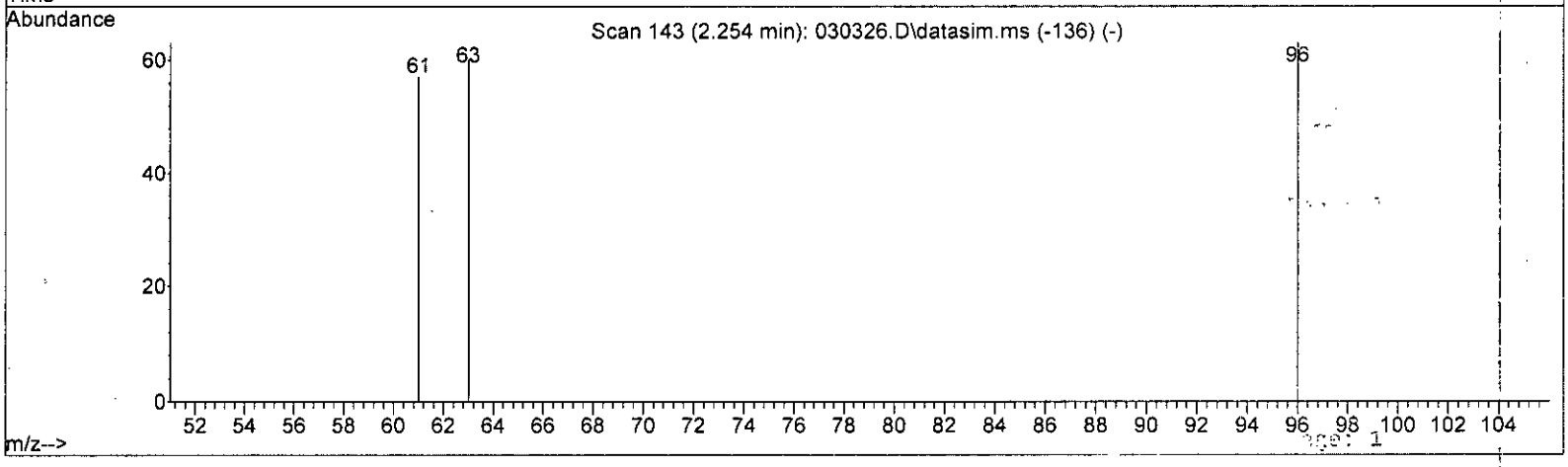


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030326.D\data.ms

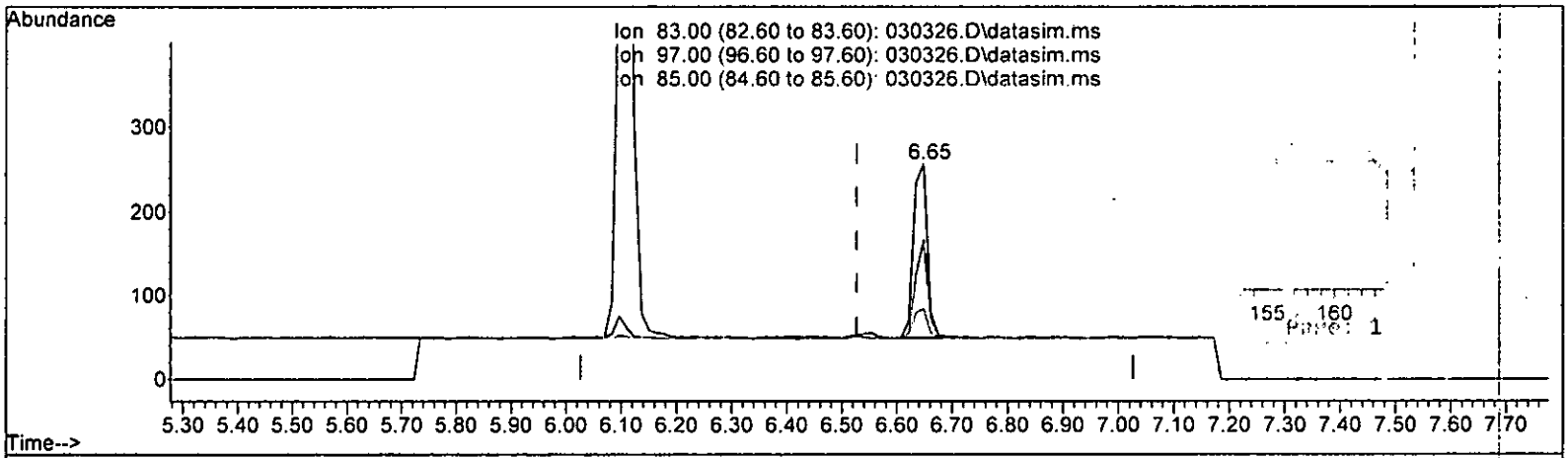
(12) 1,1-Dichloroethene (TMP)
2.254min (-0.021) 0.194 ppb
response 381

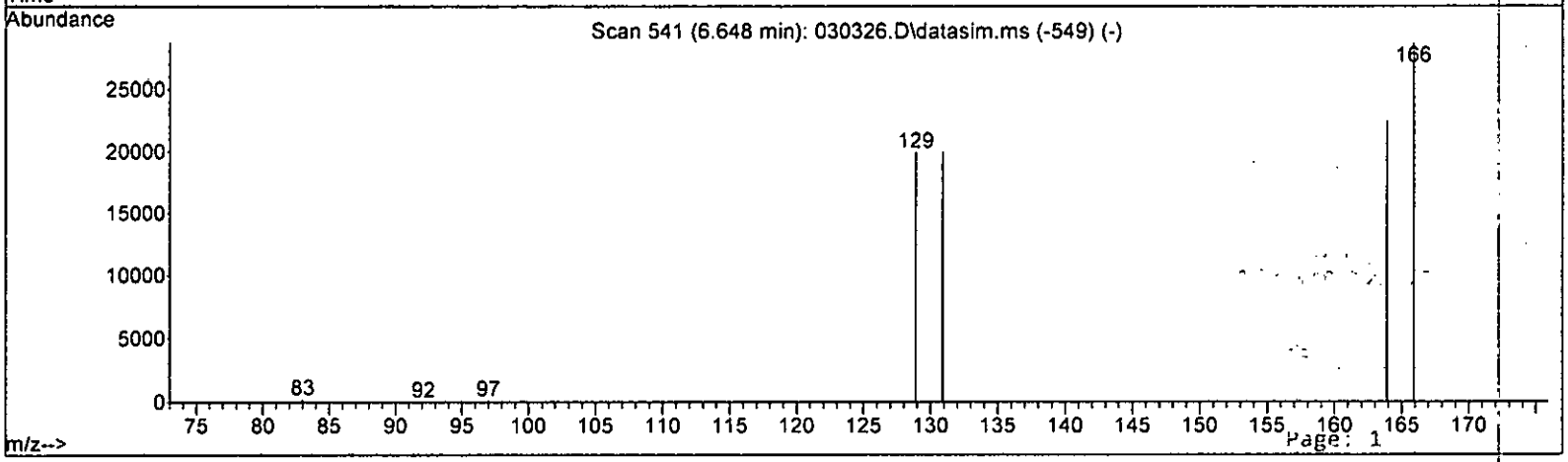
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	90.48
63.00	36.10	95.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030326.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 0.437 ppb

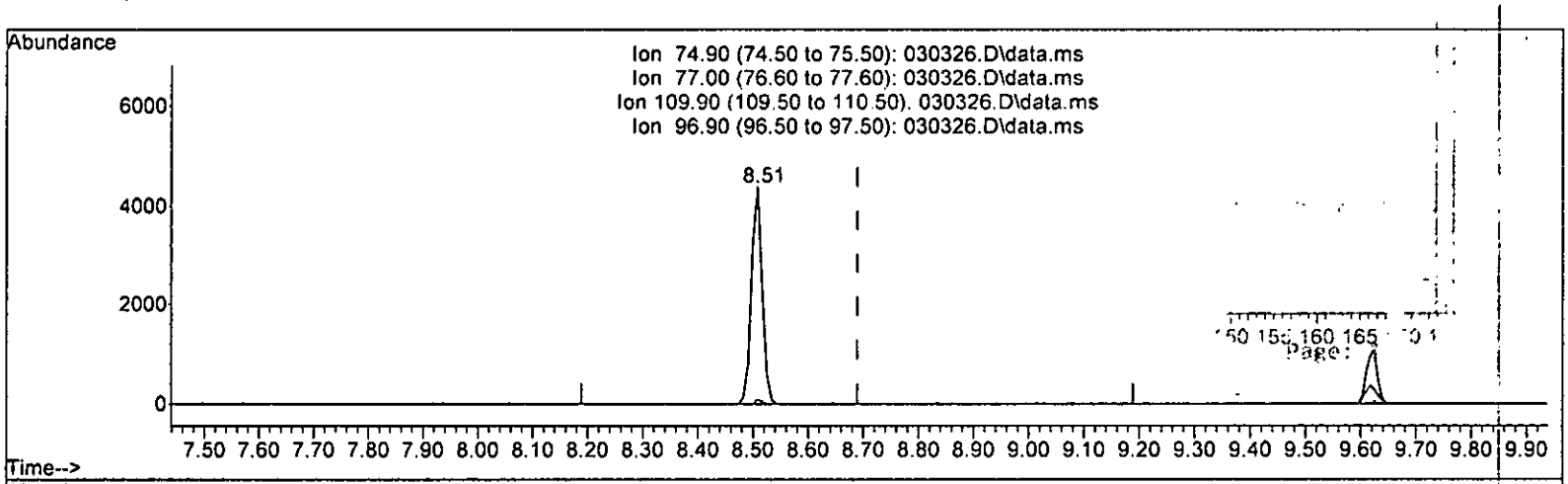
responee 365

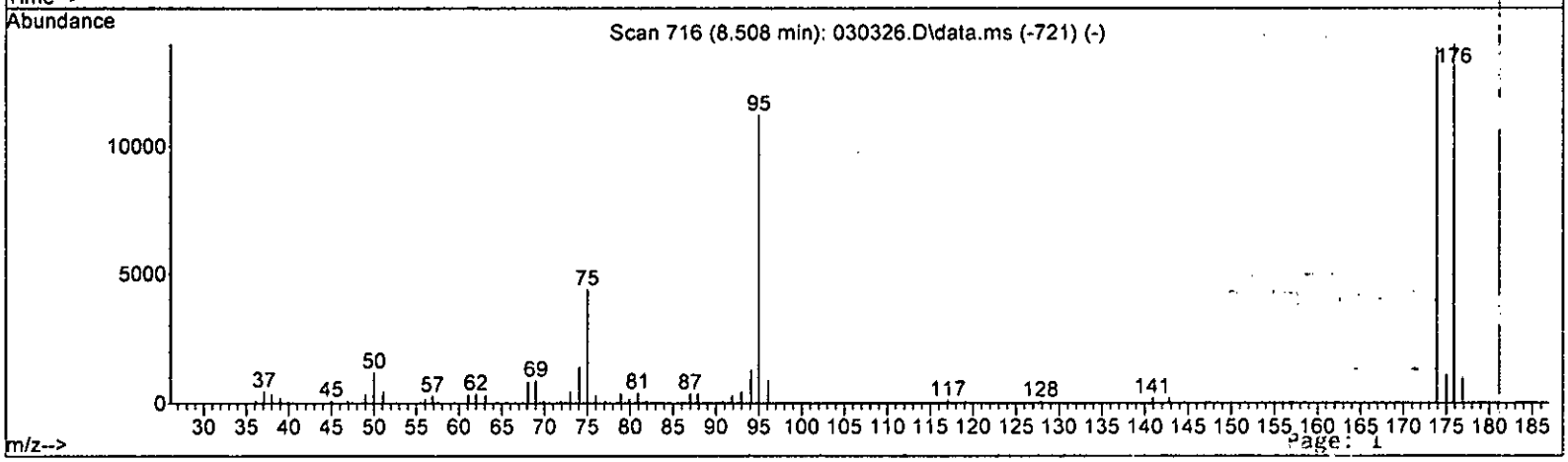
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	162.50	56.73#
85.00	69.90	16.83#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030326.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 7.472 ppb

response 5941

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	1.83#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

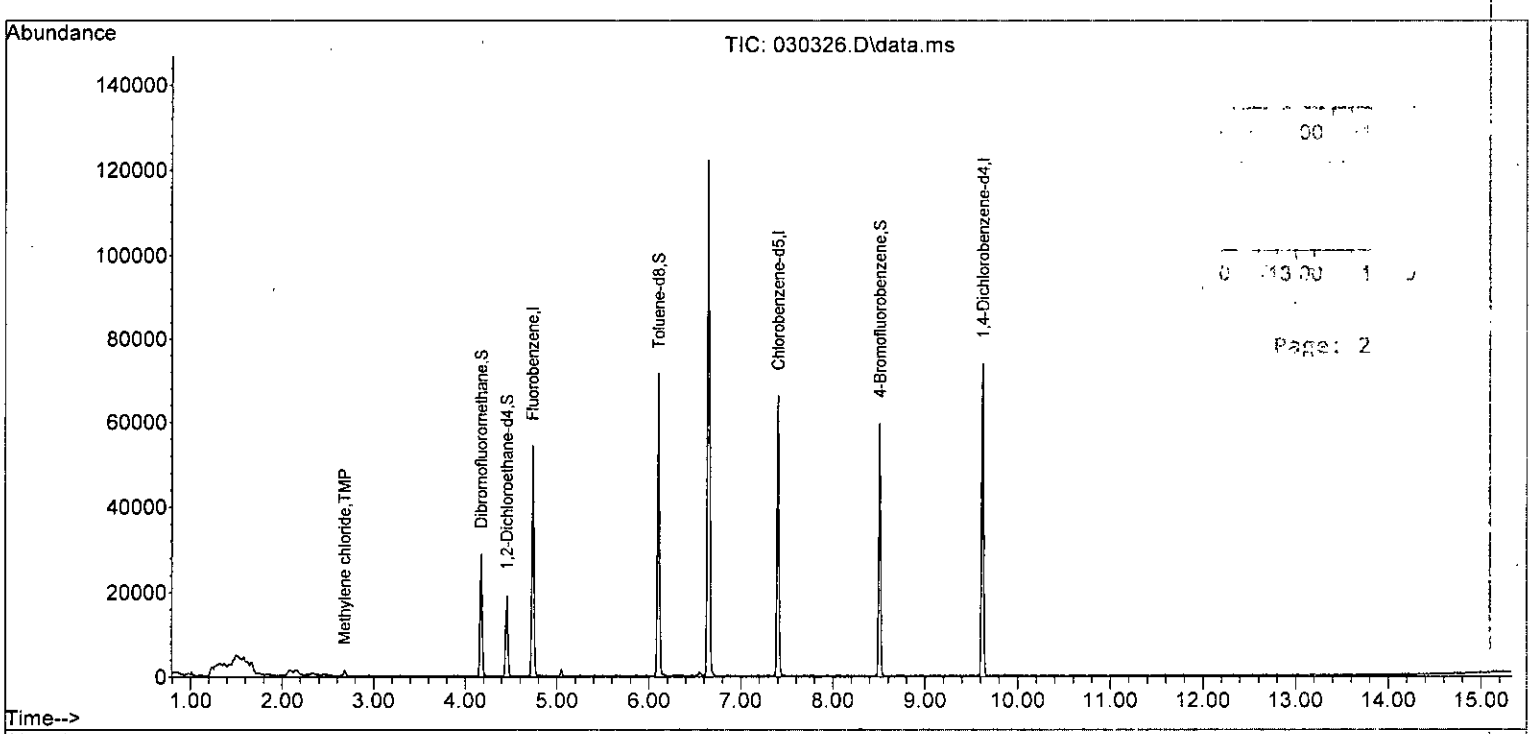
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	44596	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	41148	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21794	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14283	10.258	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.45	102	2877	10.406	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 104.10%			
35) Toluene-d8	6.11	98	43470	10.468	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.70%			
57) 4-Bromofluorobenzene	8.51	95	14470	10.769	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.70%			
Target Compounds						Qvalue
14) Methylene chloride	2.68	84	810	1.018	ppb	90
32] Trichloroethene	5.04	95	357	0.243	ppb #	73
45] Tetrachloroethene	6.65	164	31533	17.830	ppb	99
51] m,p-Xylene	7.64	106	29	Below Cal		92

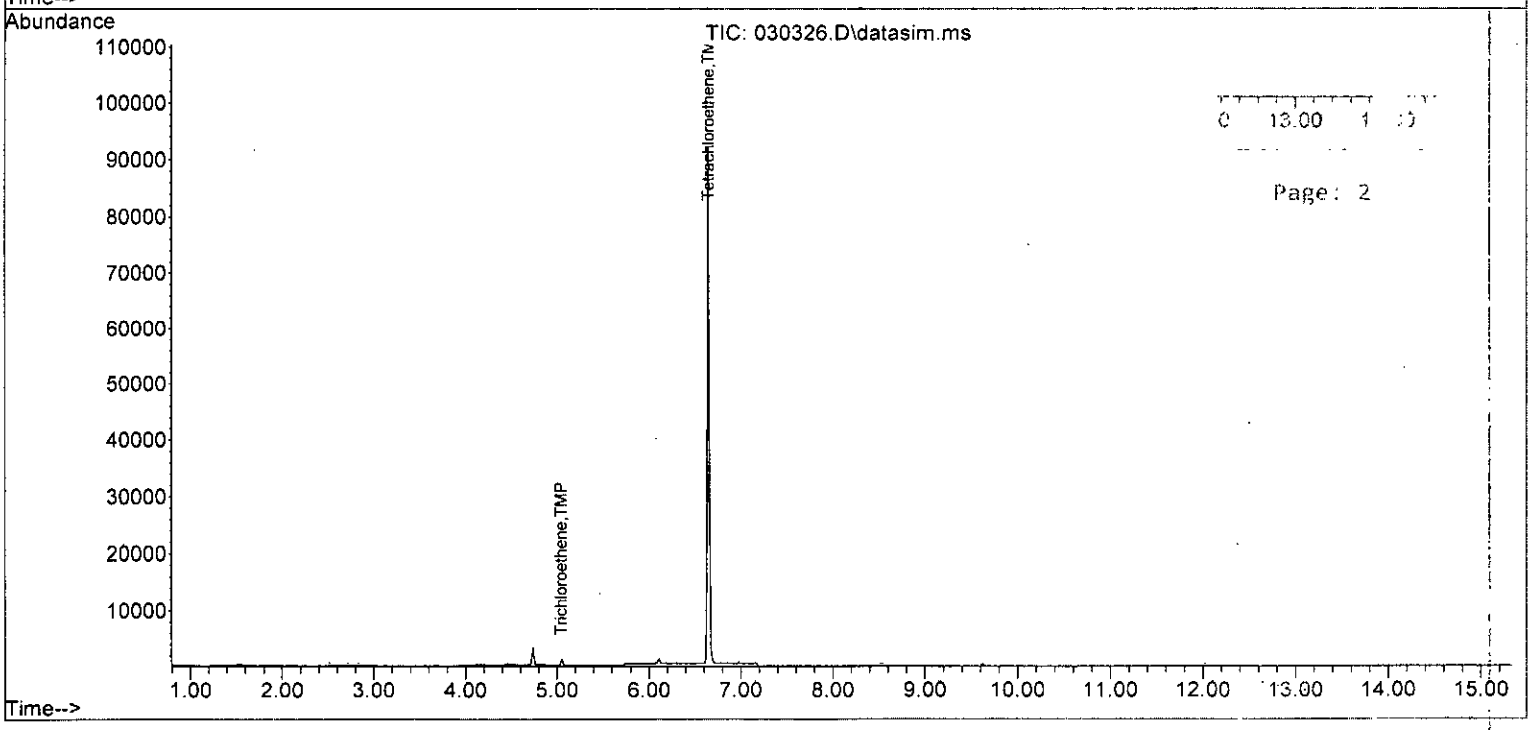
(#) = qualifier out of range (m) = manual integration (+) = signals summed

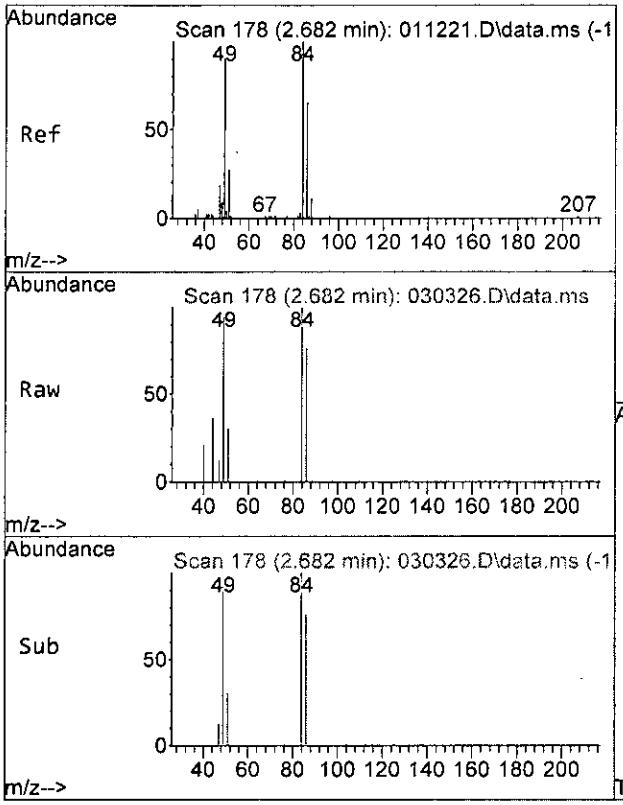
Page: 1

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



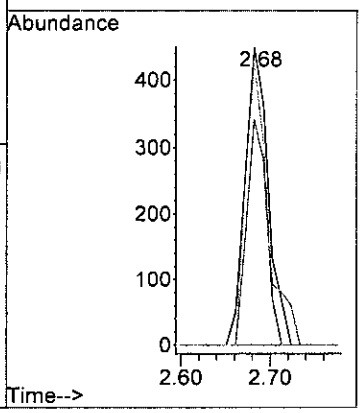


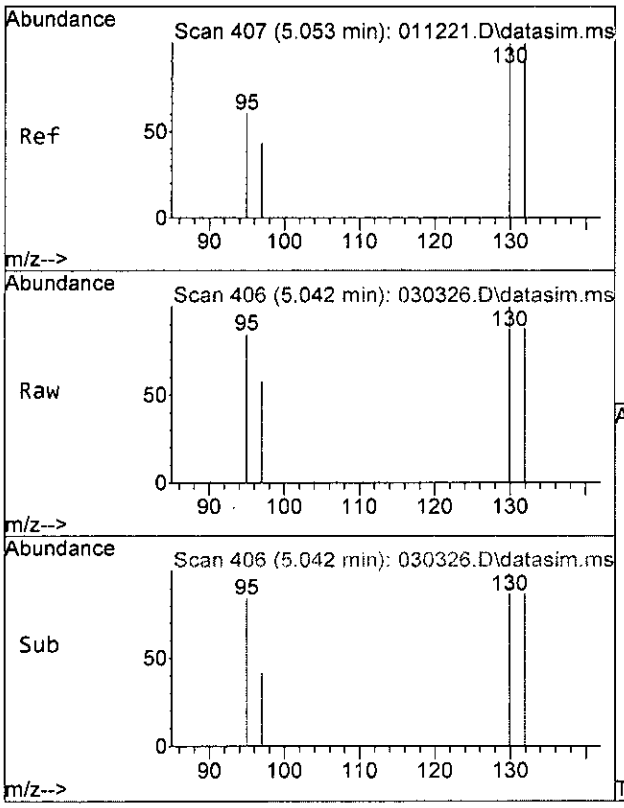


#14
Methylene chloride
Concen: 1.018 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030326.D
Acq: 03 Mar 2023 03:58 pm

Tgt Ion: 84 Resp: 810

Ion	Ratio	Lower	Upper
84	100		
86	76.2	35.3	95.3
49	94.4	57.8	117.8

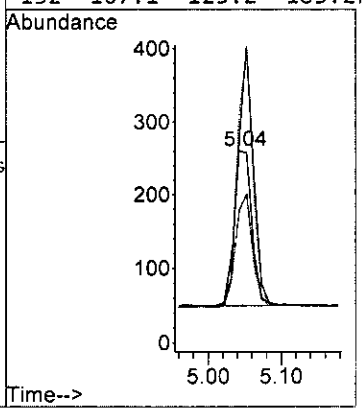


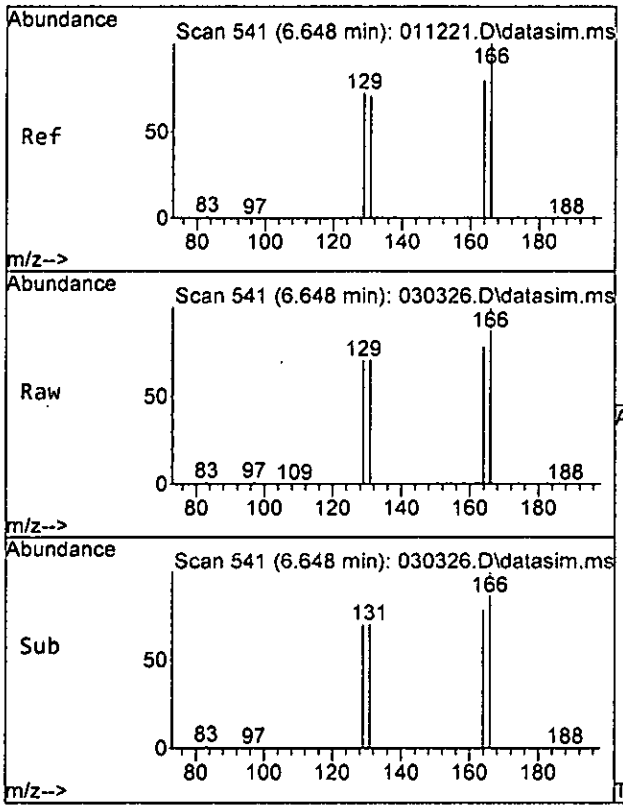


#32
Trichloroethene
Concen: 0.243 ppb
RT: 5.04 min Scan# 406
Delta R.T. -0.011 min
Lab File: 030326.D
Acq: 03 Mar 2023 03:58 pm

Tgt Ion: 95 Resp: 357

Ion	Ratio	Lower	Upper
95	100		
97	61.1	38.8	98.8
130	125.1	128.2	188.2#
132	107.1	125.2	185.2#

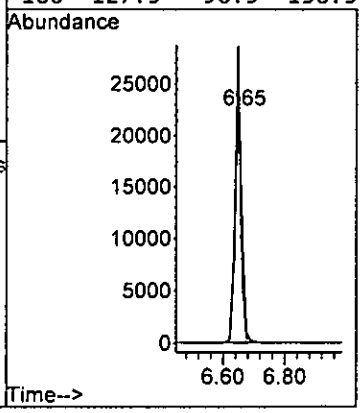




#45
Tetrachloroethene
Concen: 17.830 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.000 min
Lab File: 030326.D
Acq: 03 Mar 2023 03:58 pm

Tgt Ion:164 Resp: 31533

Ion	Ratio	Lower	Upper
164	100		
129	88.9	59.5	119.5
131	88.8	58.6	118.6
166	127.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	44596	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	41148	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21794	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	14283	10.258	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 102.60%			
30) 1,2-Dichloroethane-d4	4.45	102	2877	10.406	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 104.10%			
35) Toluene-d8	6.11	98	43470	10.468	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 104.70%			
57) 4-Bromofluorobenzene	8.51	95	14470	10.769	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 107.70%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.25	50	340	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.32	58	168	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D. d		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	810	1.018	ppb	90
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	4.52	62	26	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32] Trichloroethene	5.04	95	357	0.243	ppb #	73
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

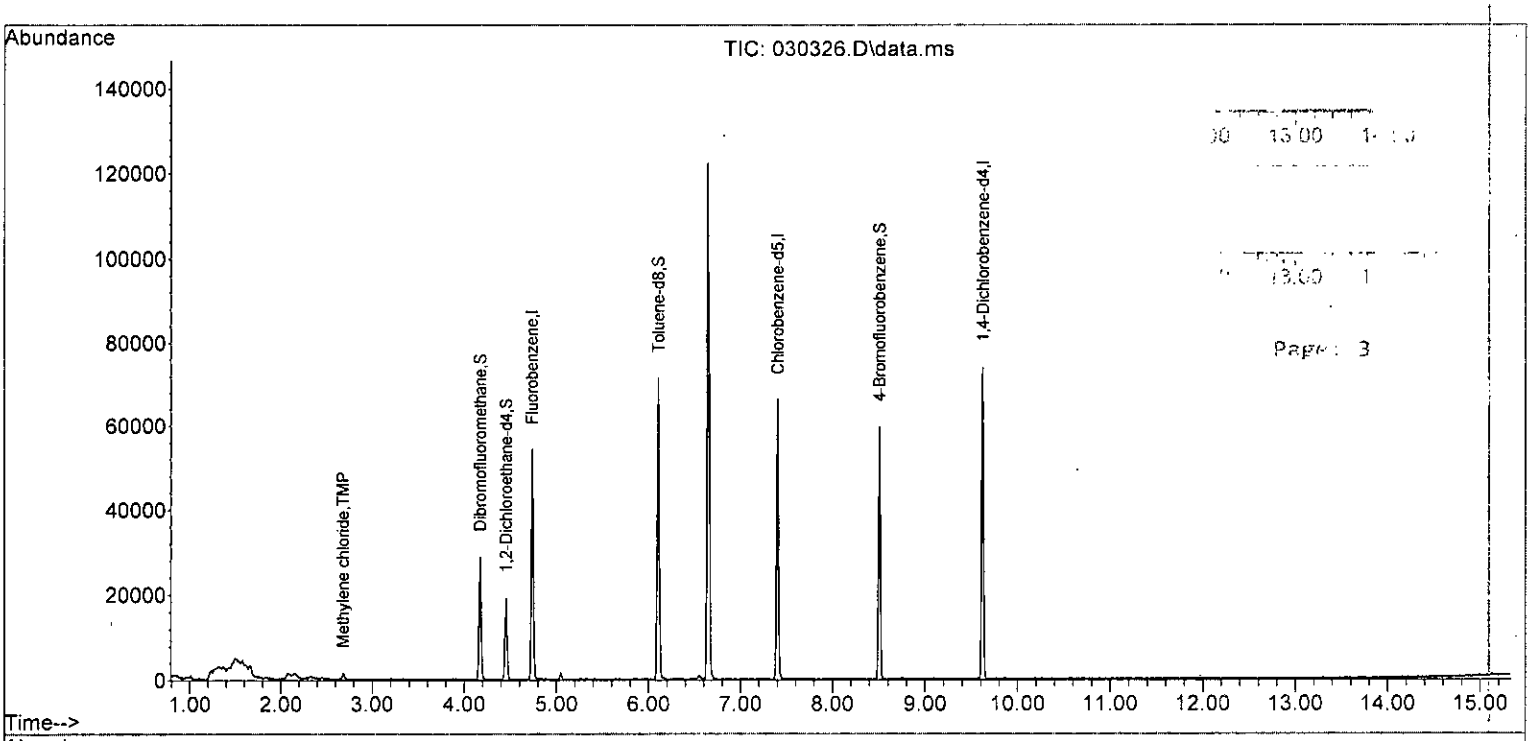
Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

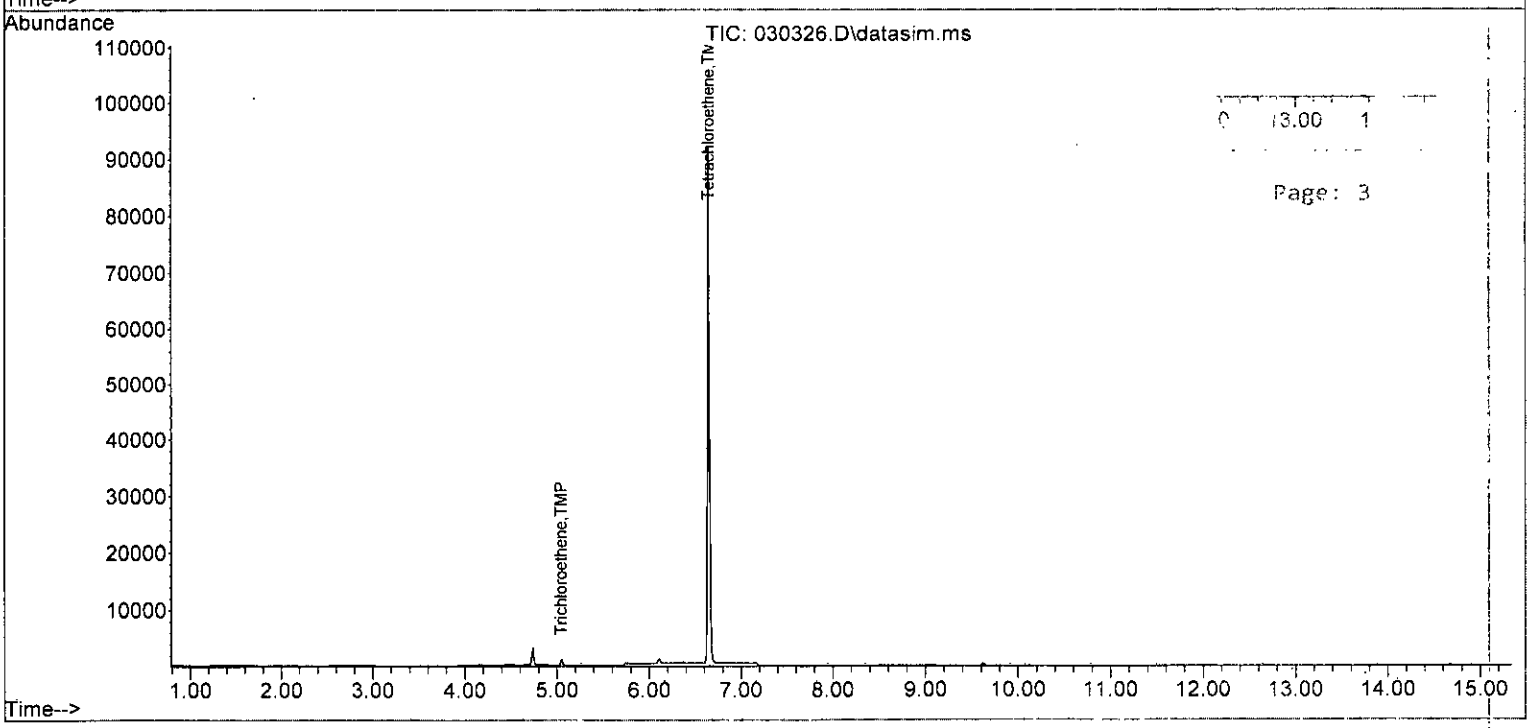
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	0.00		0	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D. d	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	31533	17.830 ppb	99
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.64	91	42	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	29	Below Cal	92
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030326.D
Acq On : 03 Mar 2023 03:58 pm
Operator : lm
Sample : 302330-05
Misc : water
ALS Vial : 16 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:30 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

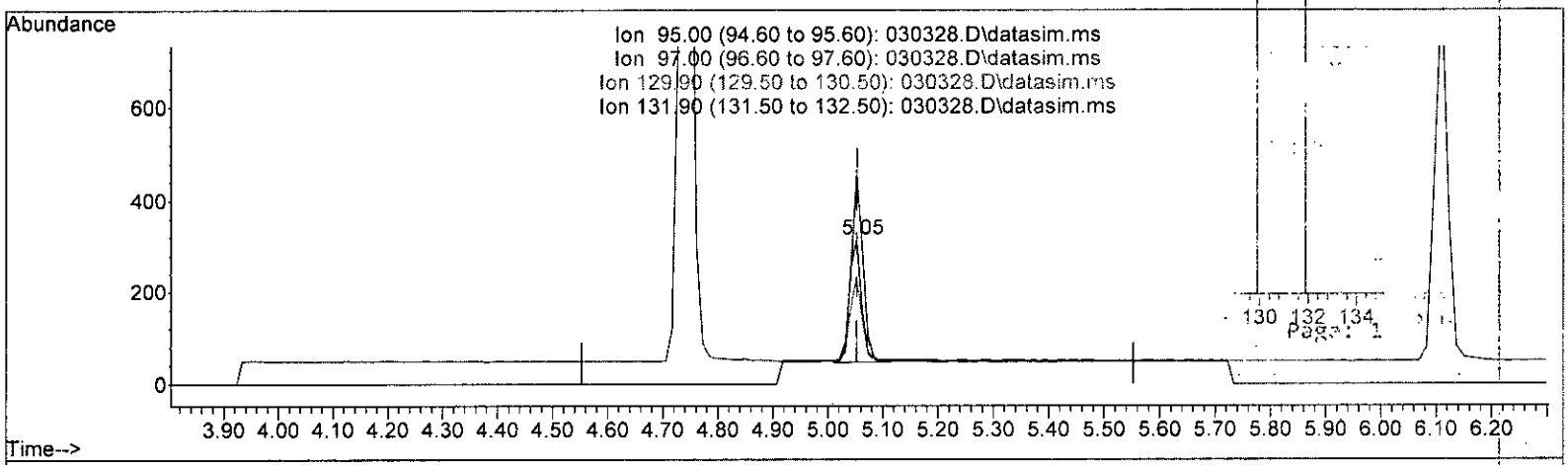


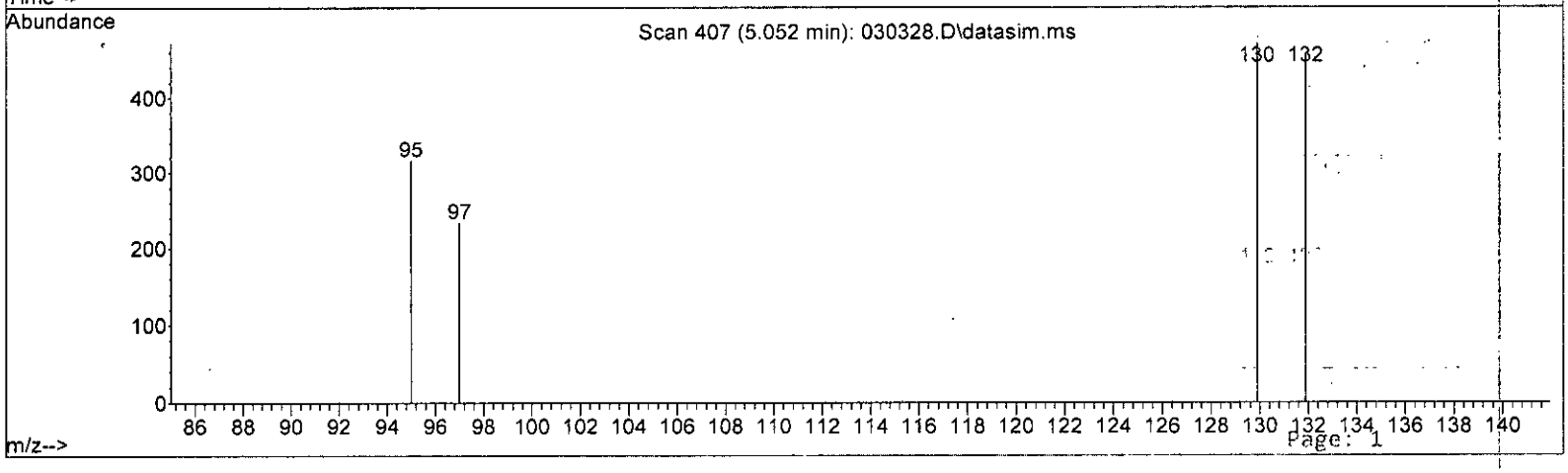


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030328.D\data.ms

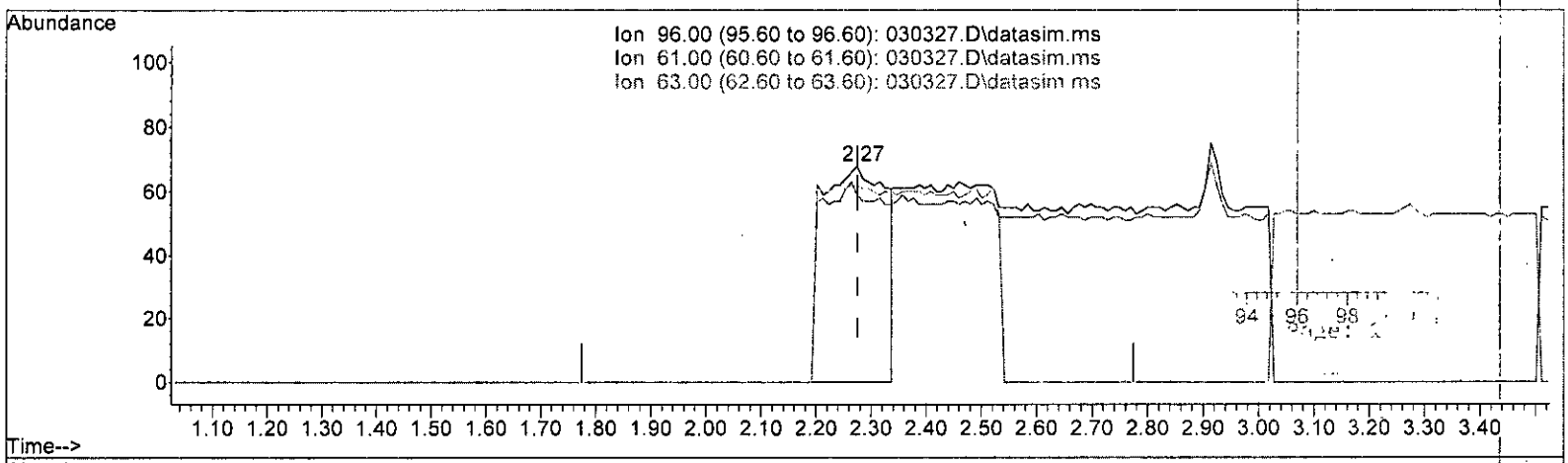
(32) Trichloroethene (TMP)
5.052min (-0.001) 0.294 ppb m
response 418

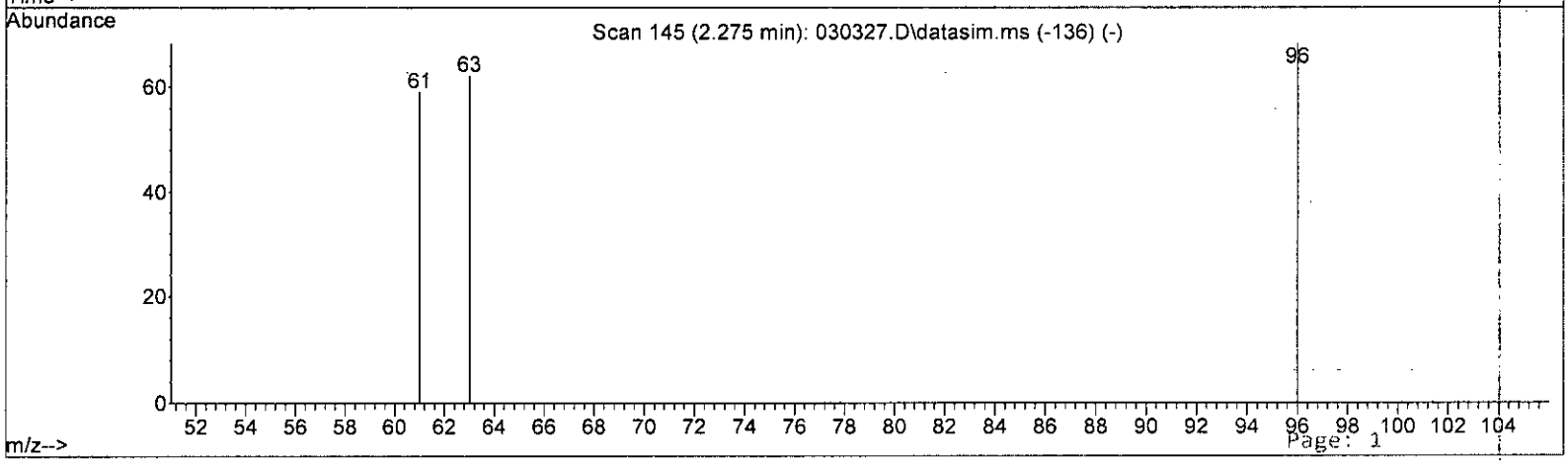
Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	73.73
129.90	158.20	149.05
131.90	155.20	143.67

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

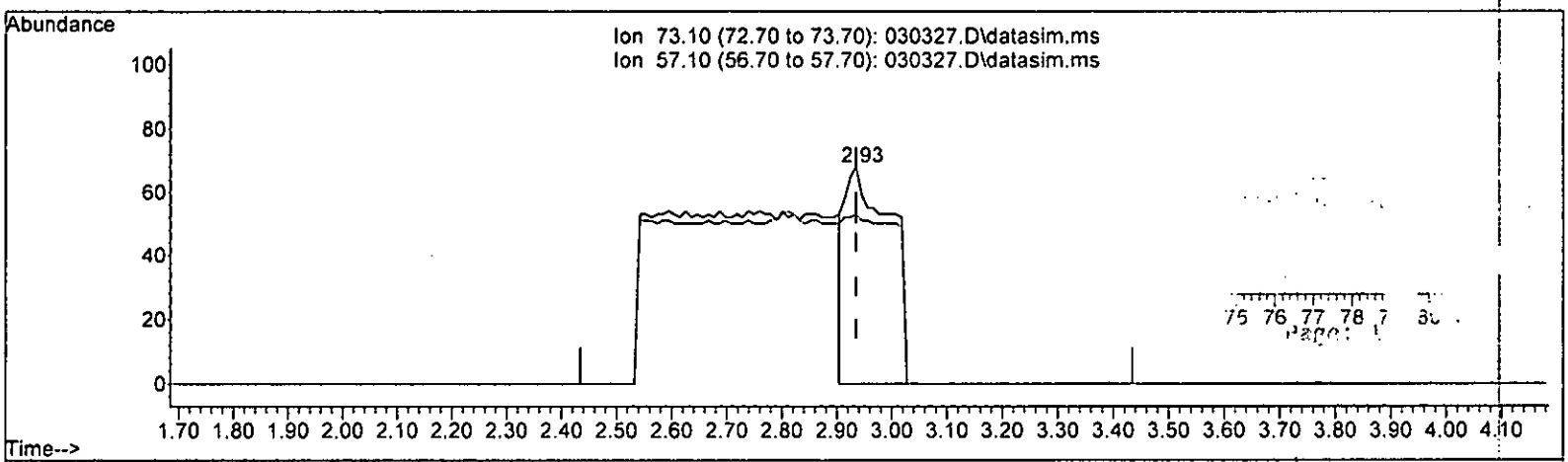
(12) 1,1-Dichloroethene (TMP)
2.275min (-0.000) 0.286 ppb
response 542

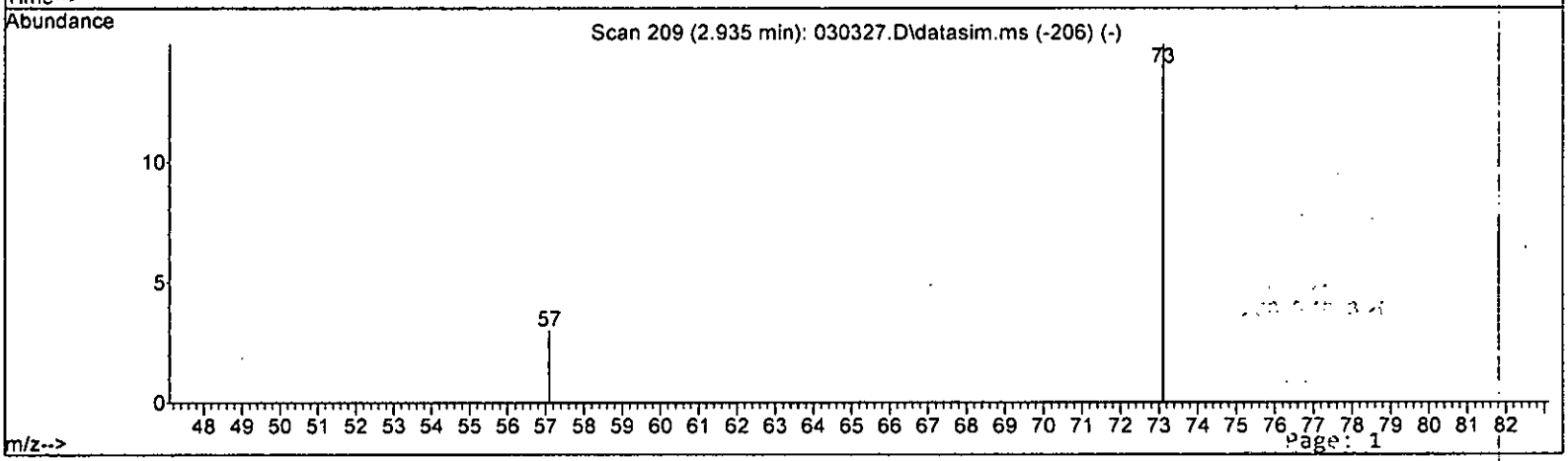
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	86.76
63.00	36.10	91.18#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

(16) Methyl t-butyl ether (MTBE) (TMP)

2.935min (+ 0.000) 0.163 ppb

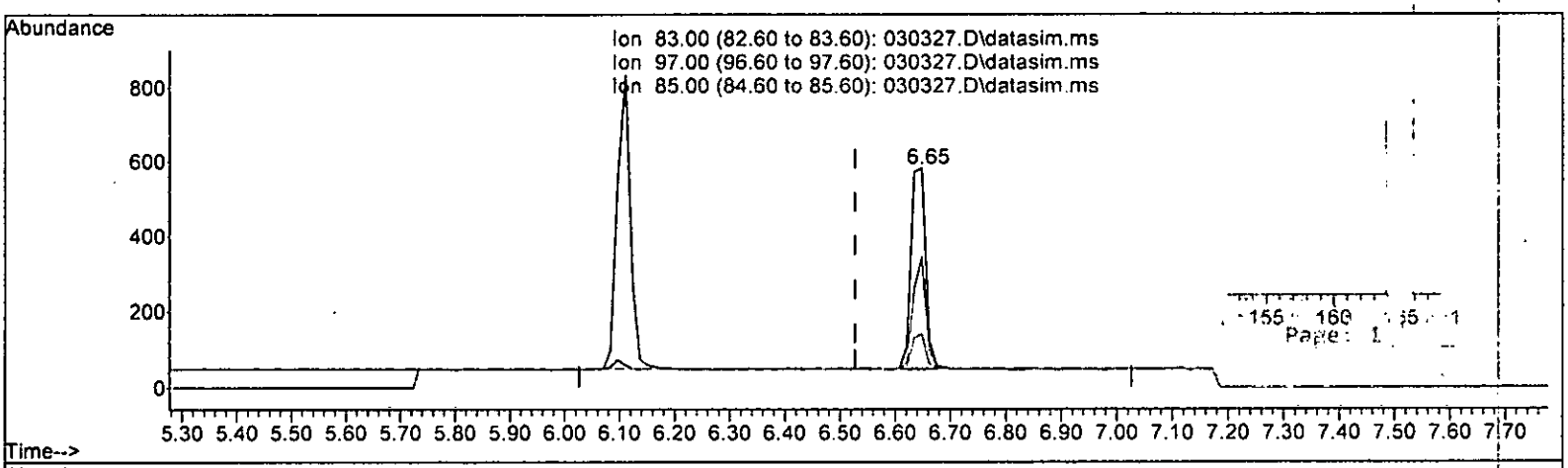
response 387

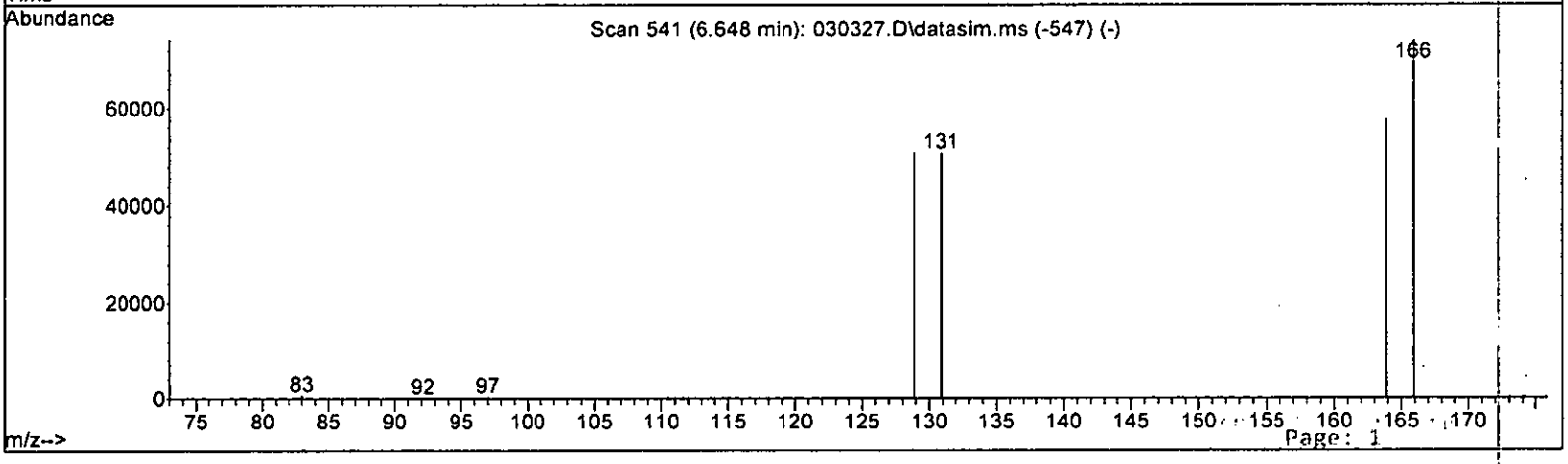
Ion	Exp%	Act%
73.10	100.00	100.00
57.10	18.40	77.94#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 1.219 ppb

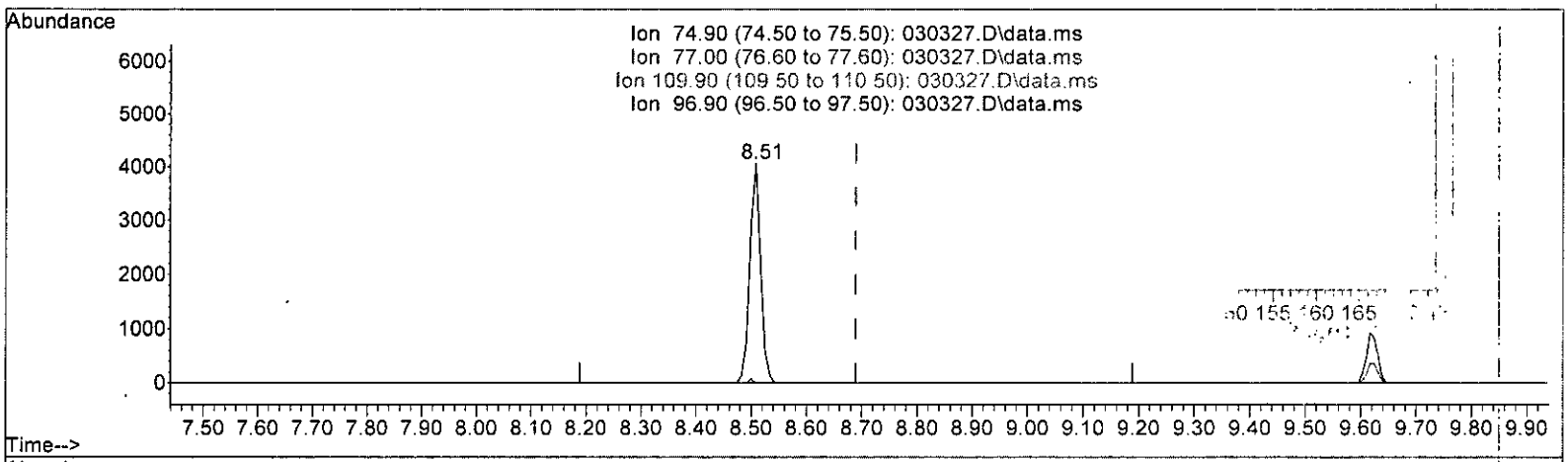
response 971

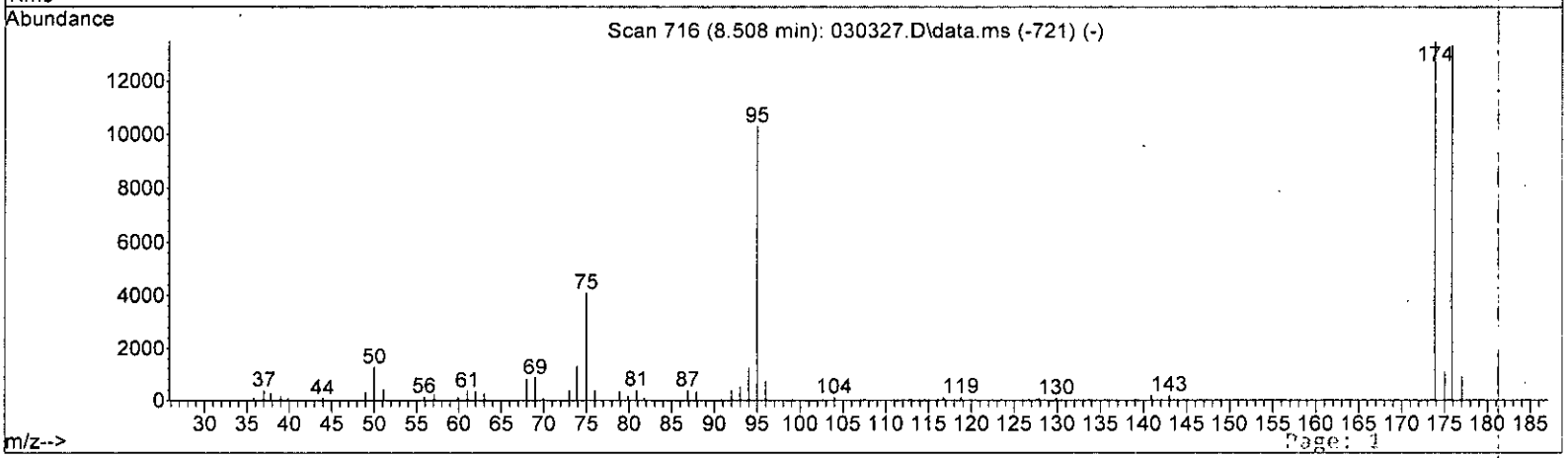
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	162.50	55.56#
85.00	69.90	17.70#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.076 ppb
response 5553

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

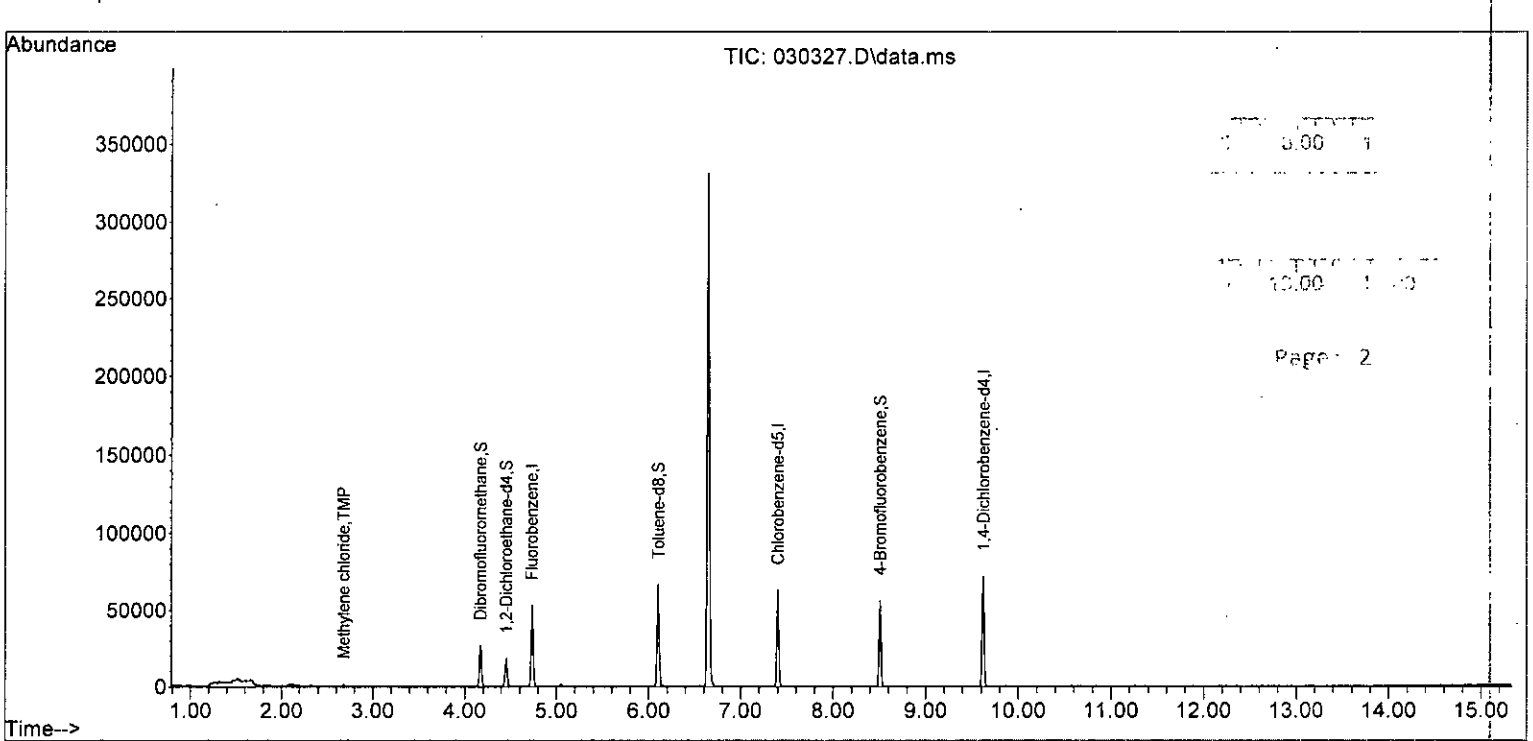
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	43027	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	39252	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21511	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	13984	10.409	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.10%			
30) 1,2-Dichloroethane-d4	4.45	102	2768	10.377	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.80%			
35) Toluene-d8	6.11	98	41490	10.356	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.60%			
57) 4-Bromofluorobenzene	8.51	95	13975	10.537	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.40%			
Target Compounds						Qvalue
6] Vinyl chloride	1.31	62	325	0.142	ppb #	41
14) Methylene chloride	2.68	84	685	0.926	ppb	96
17] trans-1,2-Dichloroethene	2.91	96	30	0.025	ppb	86
22] cis-1,2-Dichloroethene	3.77	96	96	0.074	ppb	89
26] 1,2-Dichloroethane (EDC)	4.52	62	23	Below Cal		91
32] Trichloroethene	5.04	95	429	0.306	ppb #	74
45] Tetrachloroethene	6.65	164	81320	48.215	ppb	98
51] m,p-Xylene	7.64	106	25	Below Cal	#	67

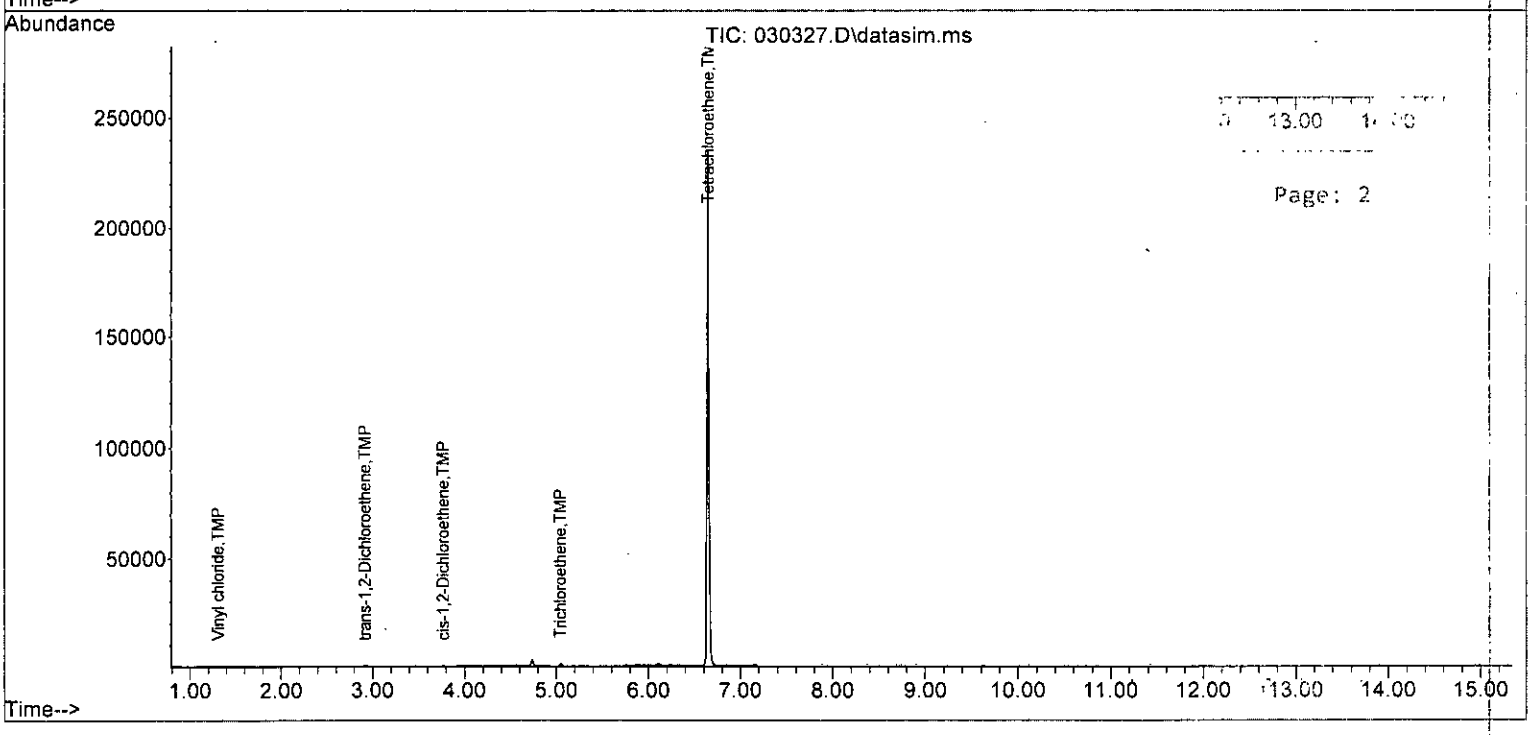
(#) = qualifier out of range (m) = manual integration (+) = signals summed

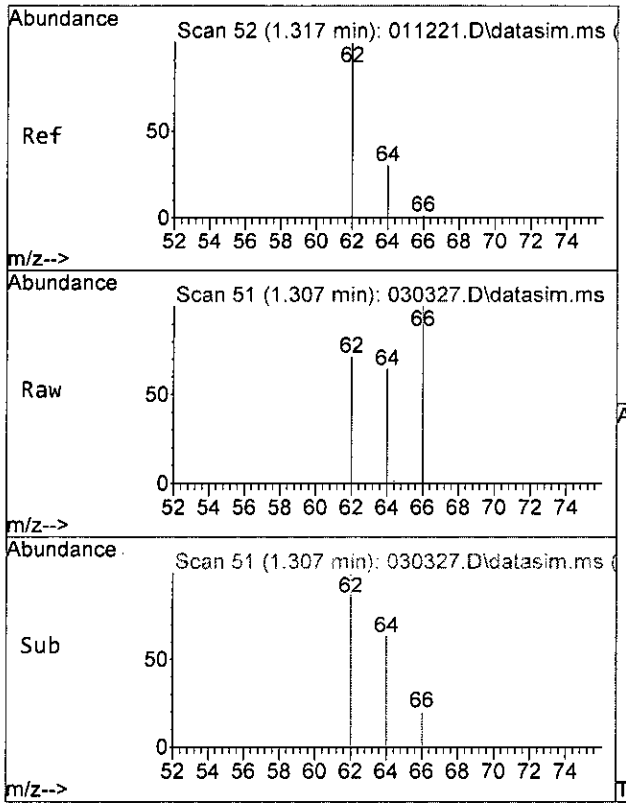
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



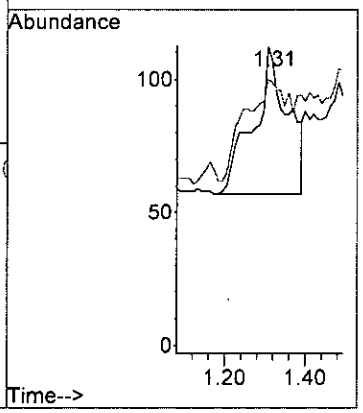


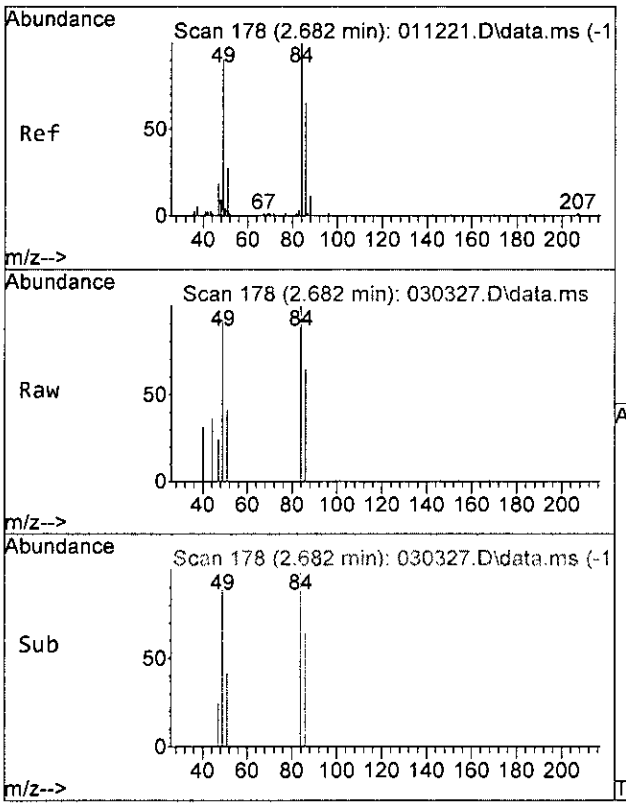


#6
Vinyl chloride
Concen: 0.142 ppb
RT: 1.31 min Scan# 51
Delta R.T. -0.020 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion: 62 Resp: 325

Ion	Ratio	Lower	Upper
62	100		
64	69.1	4.8	64.8#

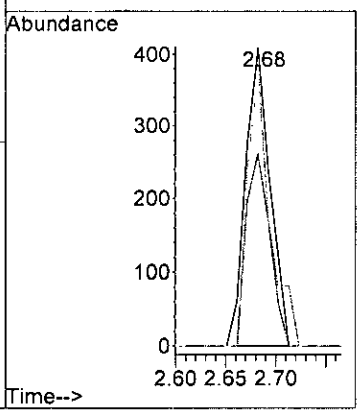


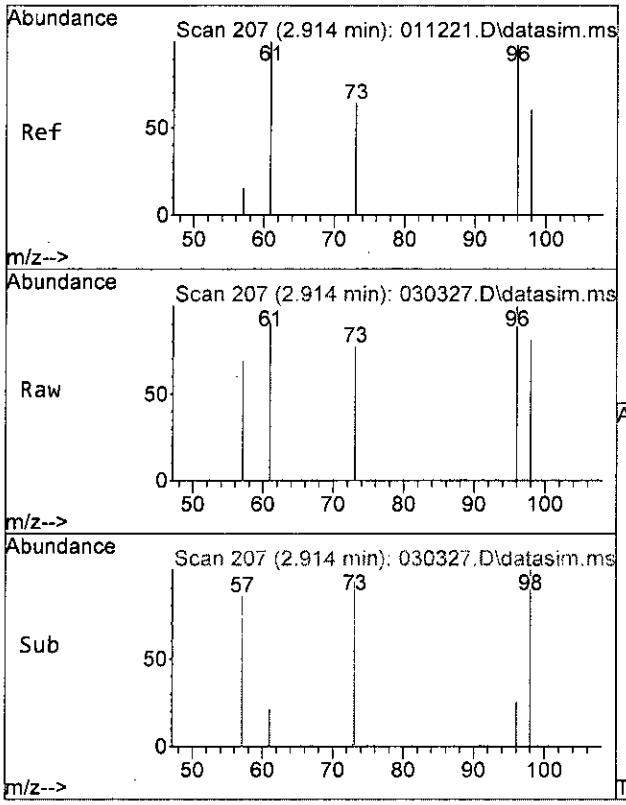


#14
Methylene chloride
Concen: 0.926 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion: 84 Resp: 685

Ion	Ratio	Lower	Upper
84	100		
86	63.8	35.3	95.3
49	93.6	57.8	117.8

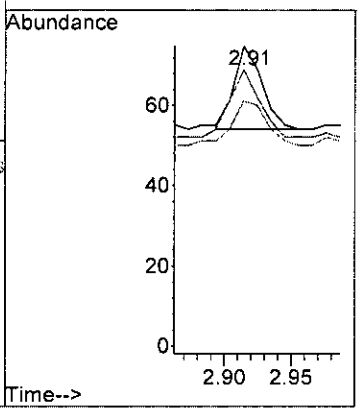


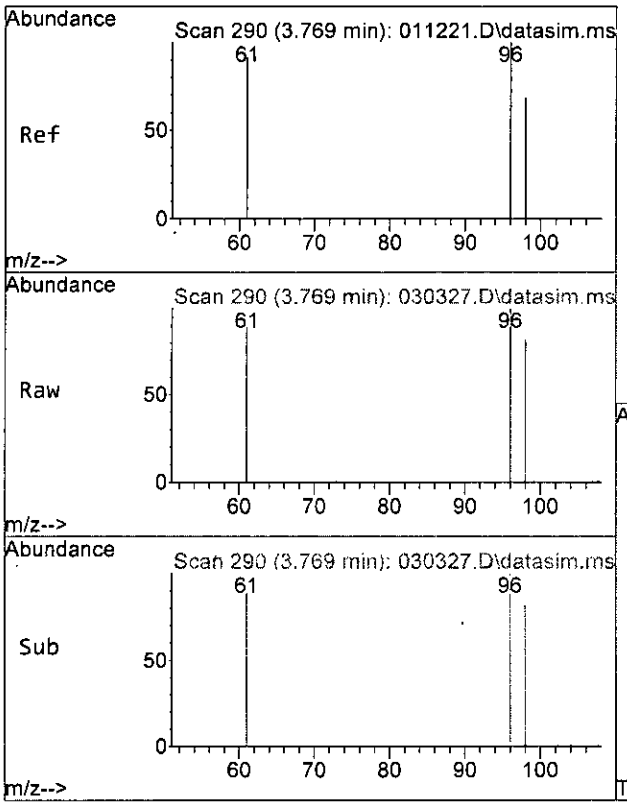


#17
trans-1,2-Dichloroethene
Concen: 0.025 ppb
RT: 2.91 min Scan# 207
Delta R.T. -0.010 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion: 96 Resp: 30

Ion	Ratio	Lower	Upper
96	100		
61	81.0	63.6	123.6
98	52.4	35.4	95.4

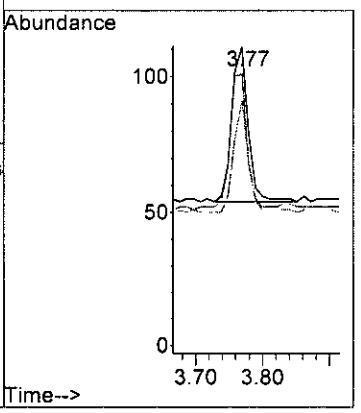


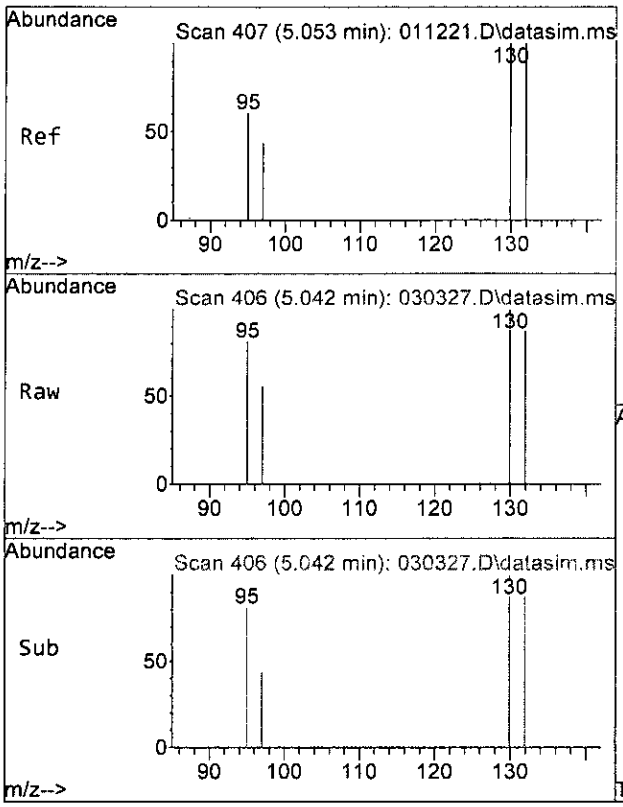


#22
cis-1,2-Dichloroethene
Concen: 0.074 ppb
RT: 3.77 min Scan# 290
Delta R.T. 0.000 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion: 96 Resp: 96

Ion	Ratio	Lower	Upper
96	100		
61	86.0	66.4	126.4
98	71.9	33.0	93.0

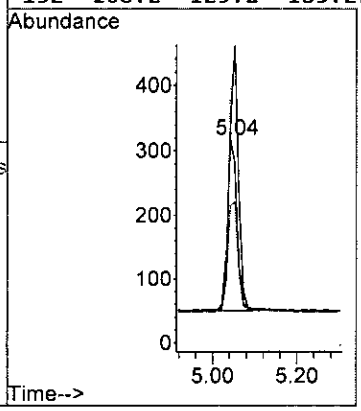


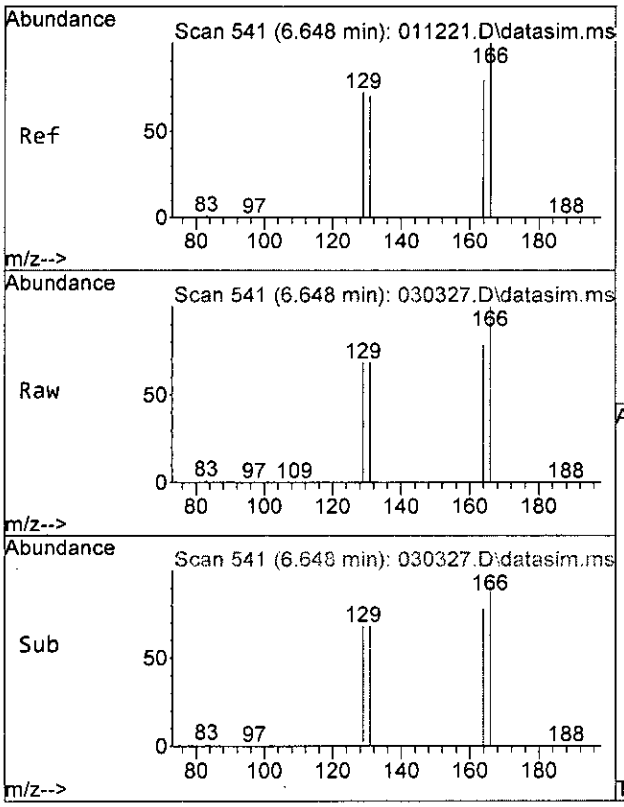


#32
Trichloroethene
Concen: 0.306 ppb
RT: 5.04 min Scan# 406
Delta R.T. -0.011 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion: 95 Resp: 429

Ion	Ratio	Lower	Upper
95	100		
97	61.8	38.8	98.8
130	127.7	128.2	188.2#
132	108.2	125.2	185.2#

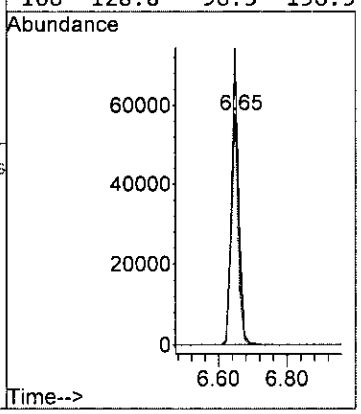




#45
Tetrachloroethene
Concen: 48.215 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.000 min
Lab File: 030327.D
Acq: 03 Mar 2023 04:21 pm

Tgt Ion:164 Resp: 81320

Ion	Ratio	Lower	Upper
164	100		
129	87.9	59.5	119.5
131	88.0	58.6	118.6
166	128.8	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	43027	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	39252	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21511	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	13984	10.409 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.10%		
30) 1,2-Dichloroethane-d4	4.45	102	2768	10.377 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.80%		
35) Toluene-d8	6.11	98	41490	10.356 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.60%		
57) 4-Bromofluorobenzene	8.51	95	13975	10.537 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.40%		
Target Compounds					Qvalue
2) Ethanol	0.00		0	N.D.	
4) Dichlorodifluoromethane	0.00		0	N.D.	
5) Chloromethane	1.22	50	610	N.D.	
6] Vinyl chloride	1.31	62	325	0.142 ppb #	41
7) Bromomethane	0.00		0	N.D.	
8) Chloroethane	0.00		0	N.D.	
9) Trichlorofluoromethane	0.00		0	N.D.	
10) 2-Propanol	0.00		0	N.D.	
11) Acetone	2.33	58	149	N.D.	
12) 1,1-Dichloroethene	0.00		0	N.D. d	
13) Hexane	0.00		0	N.D.	
14) Methylene chloride	2.68	84	685	0.926 ppb	96
15) t-Butyl alcohol (TBA)	0.00		0	N.D.	
16) Methyl t-butyl ether (...	0.00		0	N.D. d	
17] trans-1,2-Dichloroethene	2.91	96	30	0.025 ppb	86
18) Diisopropyl ether (DIPE)	0.00		0	N.D.	
19) 1,1-Dichloroethane	0.00		0	N.D.	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.	
21) 2,2-Dichloropropane	0.00		0	N.D.	
22] cis-1,2-Dichloroethene	3.77	96	96	0.074 ppb	89
23) Chloroform	0.00		0	N.D.	
24) 2-Butanone (MEK)	0.00		0	N.D.	
25) t-Amyl methyl ether (T...	0.00		0	N.D.	
26] 1,2-Dichloroethane (EDC)	4.52	62	23	Below Cal	91
27) 1,1,1-Trichloroethane	0.00		0	N.D.	
28) 1,1-Dichloropropene	0.00		0	N.D.	
29) Carbon tetrachloride	0.00		0	N.D.	
31) Benzene	0.00		0	N.D.	
32] Trichloroethene	5.04	95	429	0.306 ppb #	74
33) 1,2-Dichloropropane	0.00		0	N.D.	
34) Bromodichloromethane	0.00		0	N.D.	
36) Dibromomethane	0.00		0	N.D.	

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

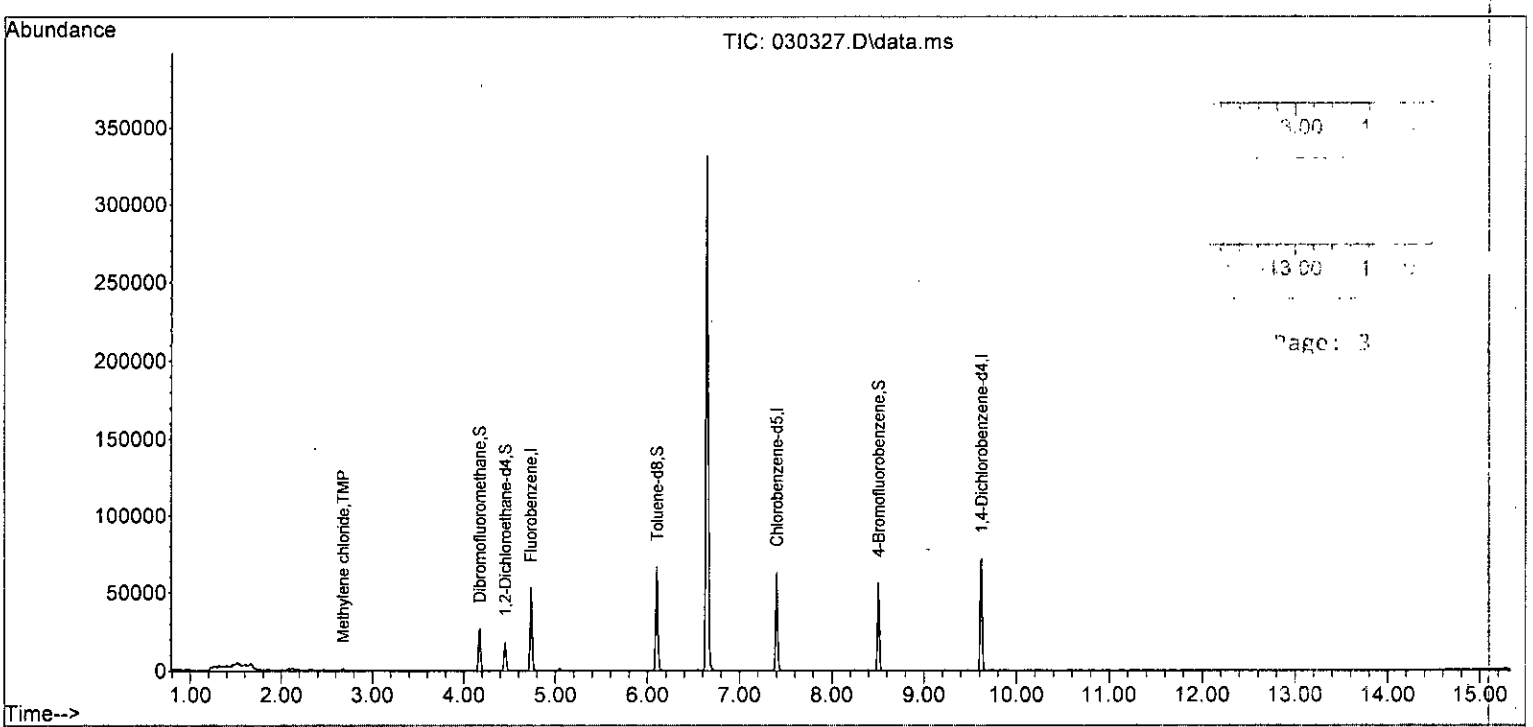
Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

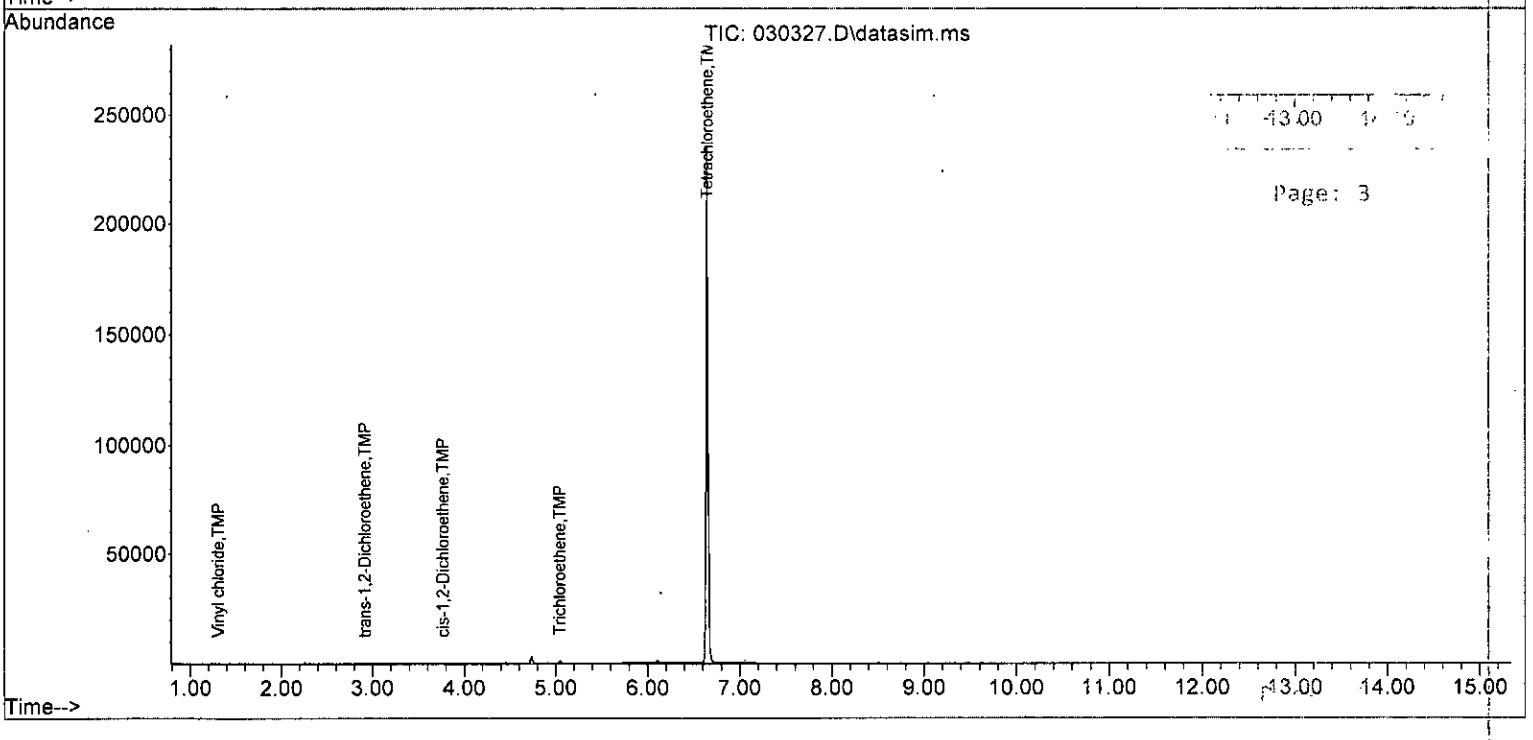
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	0.00		0	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D. d	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	81320	48.215 ppb	98
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.64	91	48	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	25	Below Cal #	67
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

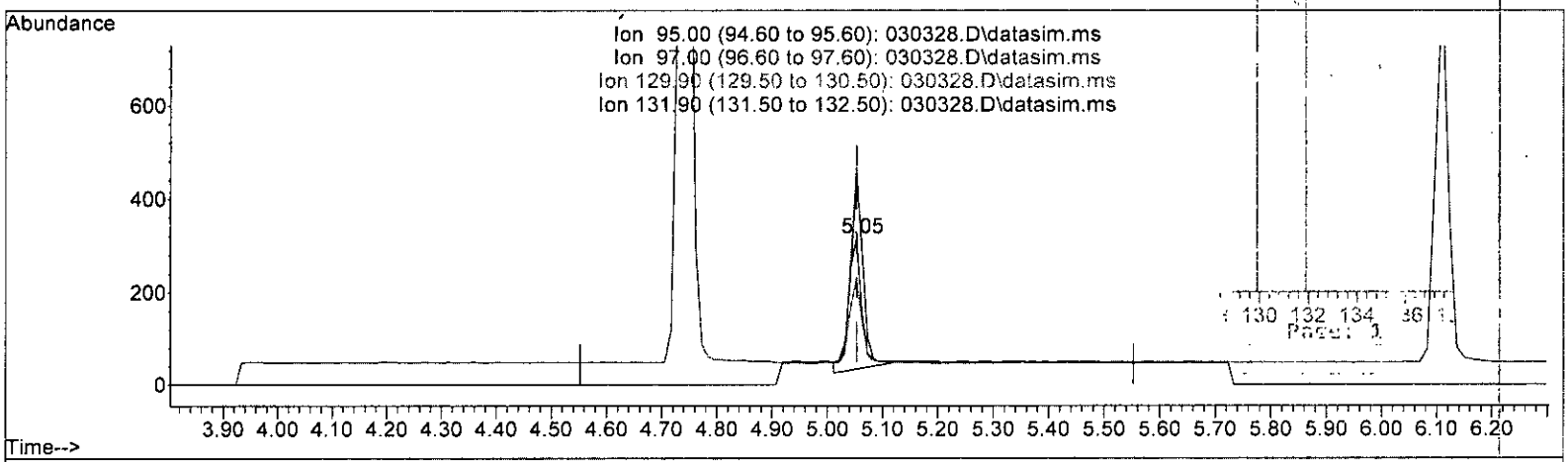


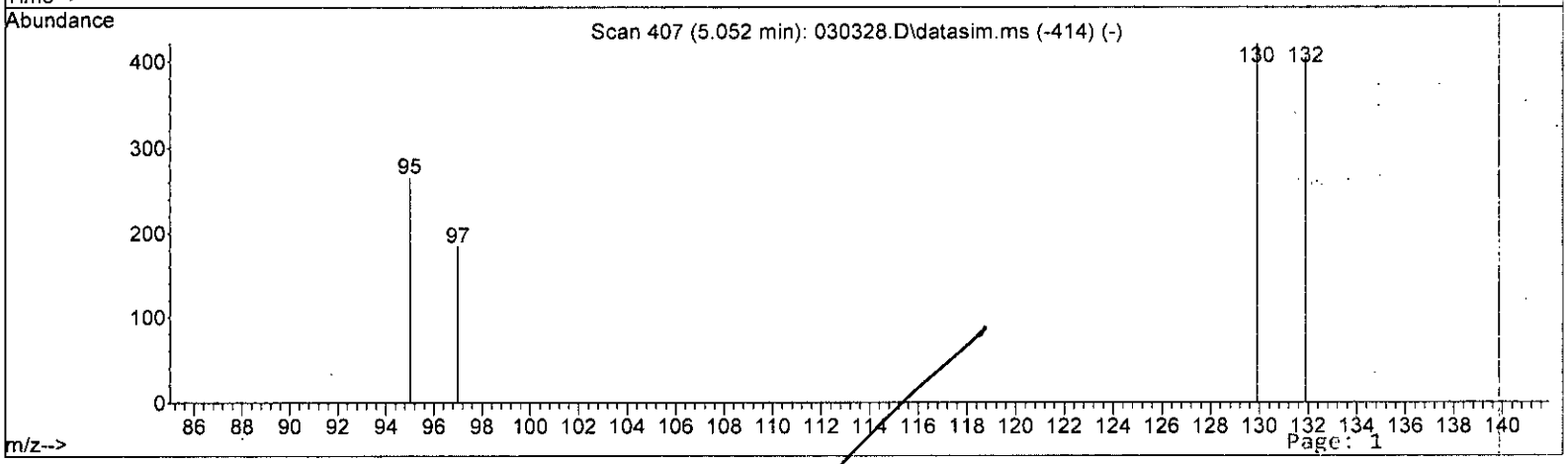


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030328.D\data.ms

(32) Trichloroethene (TMP)
5.052min (-0.001) 0.341 ppb
response 482

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	69.17
129.90	158.20	159.02
131.90	155.20	152.26

m 3/6

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

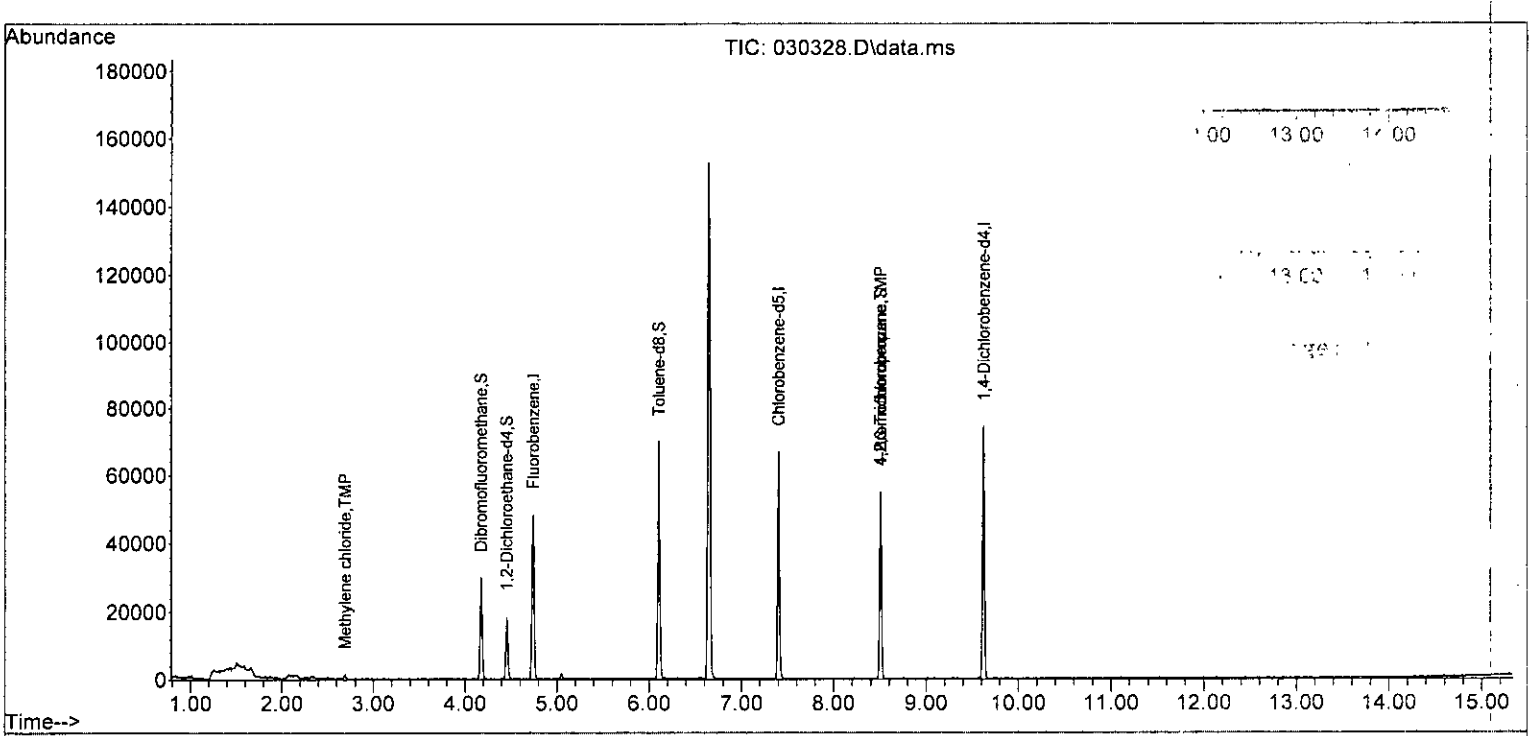
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	4.75	96	43562	10.000	ppb		0.01
39) Chlorobenzene-d5	7.40	117	39879	10.000	ppb		0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22017	10.000	ppb		0.00
System Monitoring Compounds							
3) Dibromofluoromethane	4.17	113	14424	10.605	ppb		0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.00%				
30) 1,2-Dichloroethane-d4	4.45	102	2686	9.946	ppb		0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 99.50%				
35) Toluene-d8	6.10	98	41793	10.304	ppb		0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.00%				
57) 4-Bromofluorobenzene	8.51	95	14012	10.322	ppb		0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.20%				
Target Compounds							Qvalue
14) Methylene chloride	2.69	84	573	0.811	ppb		91
22] cis-1,2-Dichloroethene	3.77	96	205	0.156	ppb		94
32] Trichloroethene	5.05	95	418m	0.294	ppb		
42] 1,1,2-Trichloroethane	6.65	83	506	0.625	ppb	#	22
45] Tetrachloroethene	6.65	164	42287	24.674	ppb		99
49] Ethylbenzene	7.54	91	25	Below Cal			95
51] m,p-Xylene	7.65	106	31	Below Cal			86
62) 1,2,3-Trichloropropane	8.51	75	5645	7.027	ppb	#	35

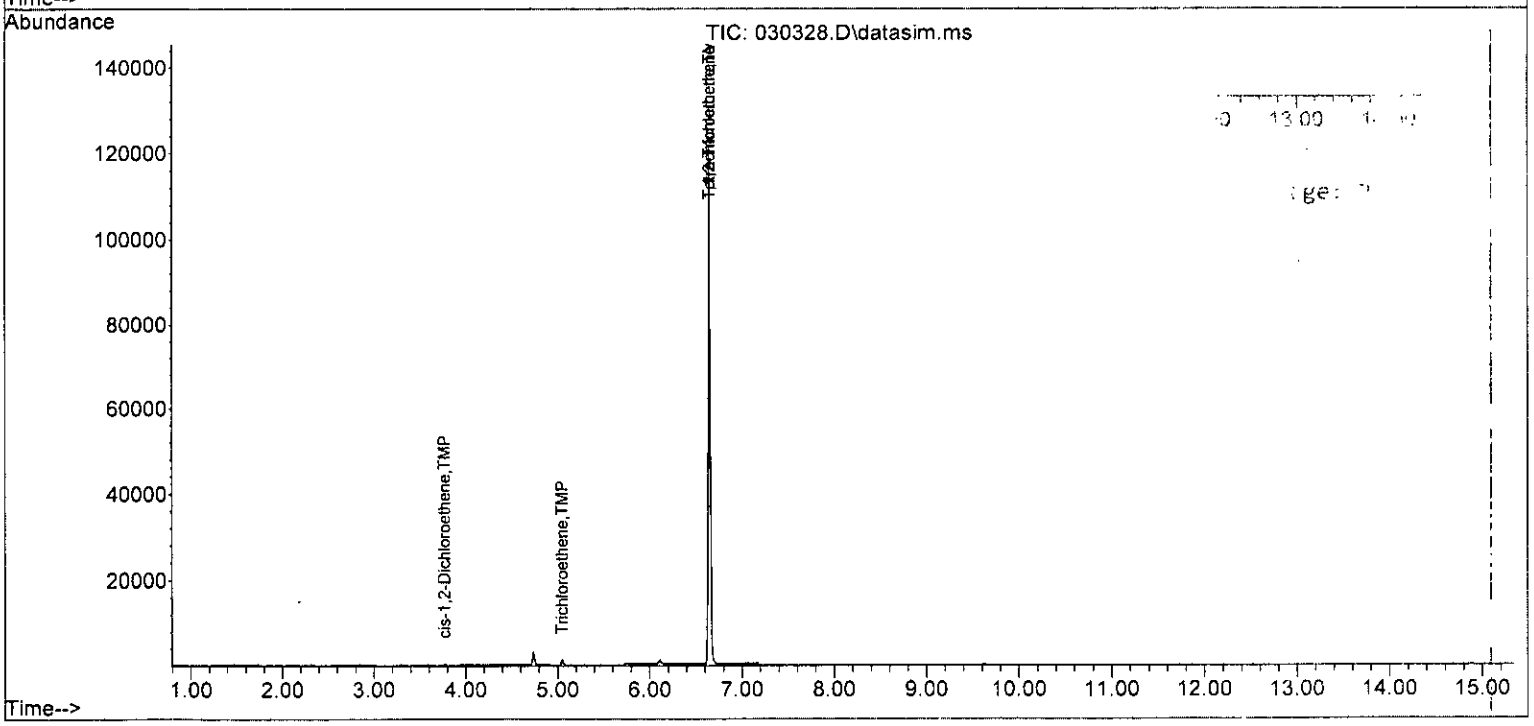
(#) = qualifier out of range (m) = manual integration (+) = signals summed

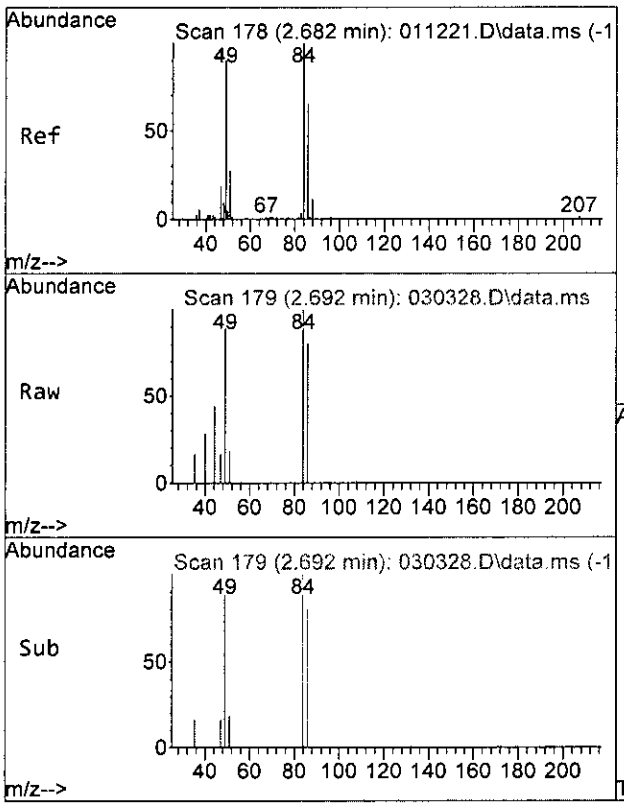
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



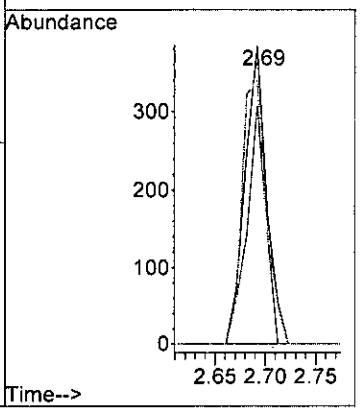


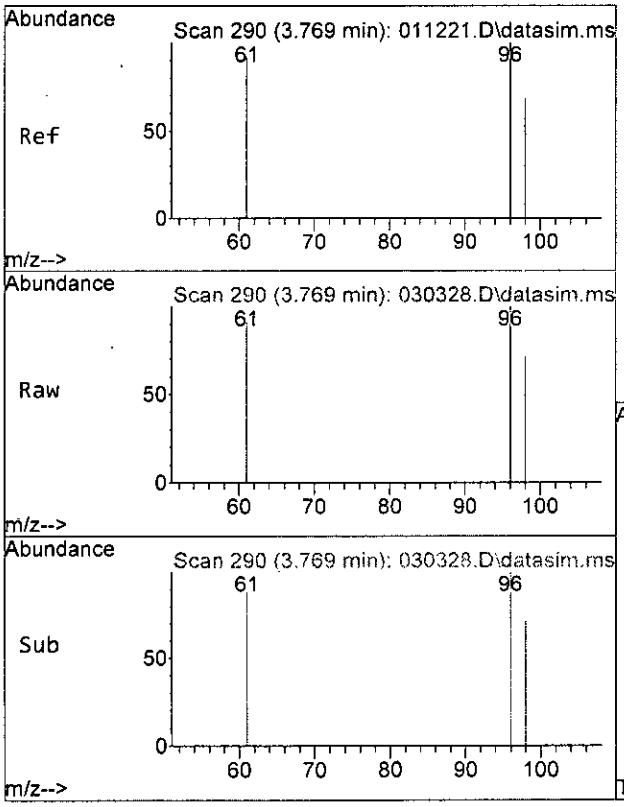


#14
Methylene chloride
Concen: 0.811 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion: 84 Resp: 573

Ion	Ratio	Lower	Upper
84	100		
86	79.9	35.3	95.3
49	88.8	57.8	117.8

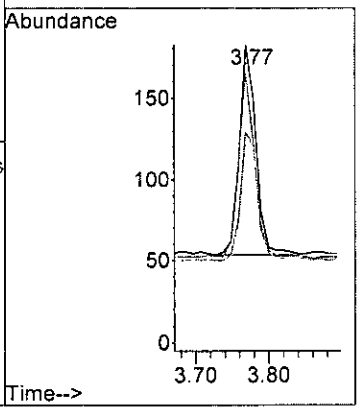


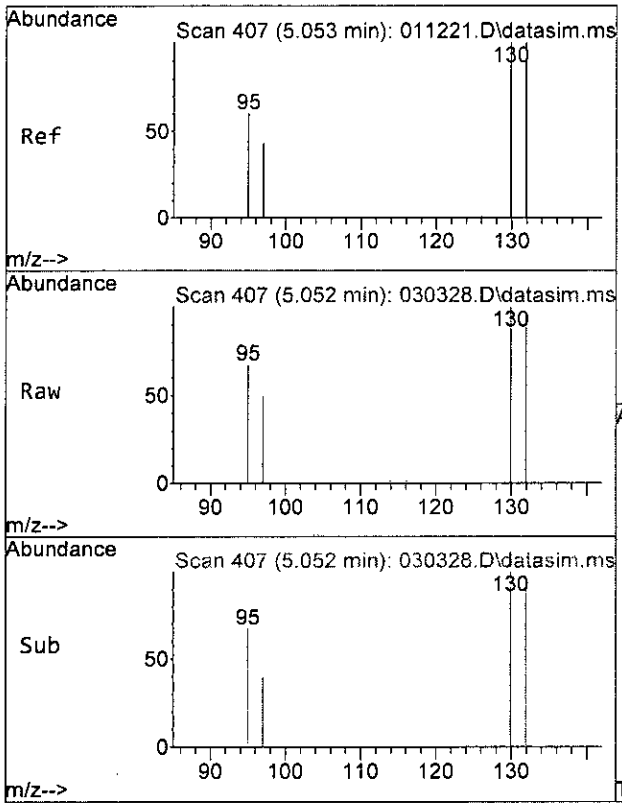


#22
cis-1,2-Dichloroethene
Concen: 0.156 ppb
RT: 3.77 min Scan# 290
Delta R.T. -0.000 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion: 96 Resp: 205

Ion	Ratio	Lower	Upper
96	100		
61	87.6	66.4	126.4
98	61.2	33.0	93.0

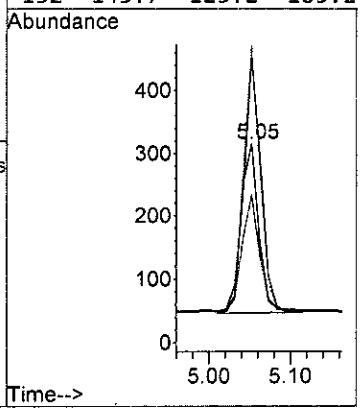


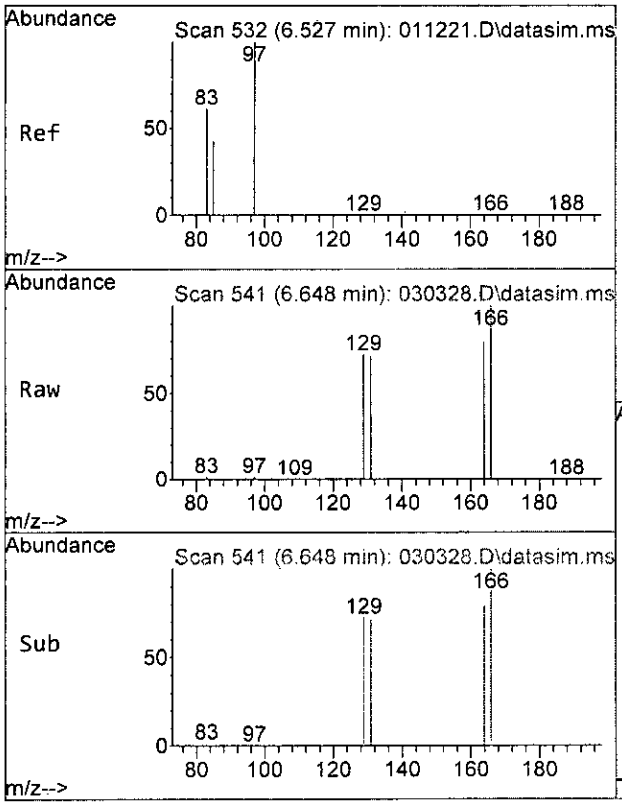


#32
Trichloroethene
Concen: 0.294 ppb m
RT: 5.05 min Scan# 407
Delta R.T. -0.001 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion: 95 Resp: 418

Ion	Ratio	Lower	Upper
95	100		
97	73.7	38.8	98.8
130	149.1	128.2	188.2
132	143.7	125.2	185.2

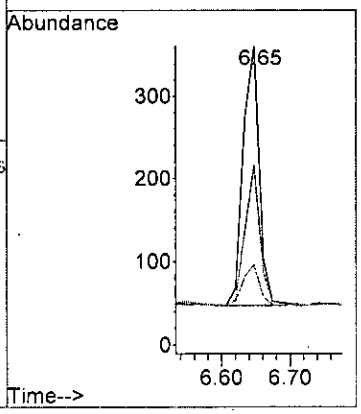


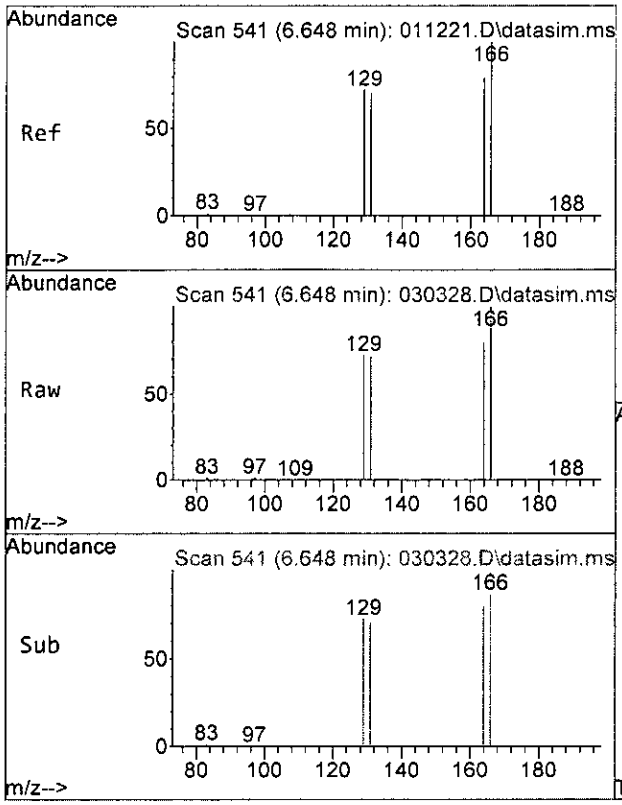


#42
1,1,2-Trichloroethane
Concen: 0.625 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.121 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion: 83 Resp: 506

Ion	Ratio	Lower	Upper
83	100		
97	53.2	132.5	192.5#
85	15.0	39.9	99.9#

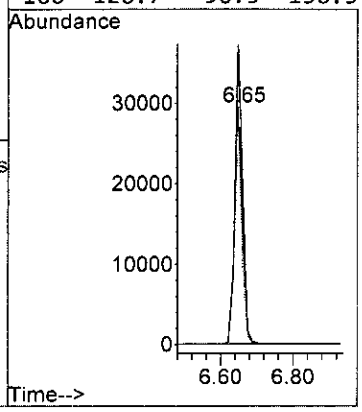


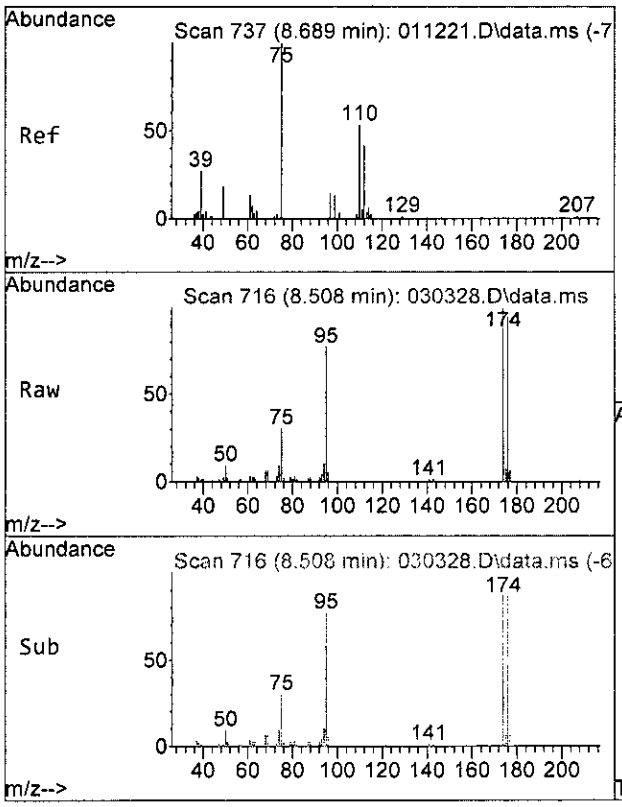


#45
Tetrachloroethene
Concen: 24.674 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion:164 Resp: 42287

Ion	Ratio	Lower	Upper
164	100		
129	91.3	59.5	119.5
131	89.3	58.6	118.6
166	126.7	96.5	156.5

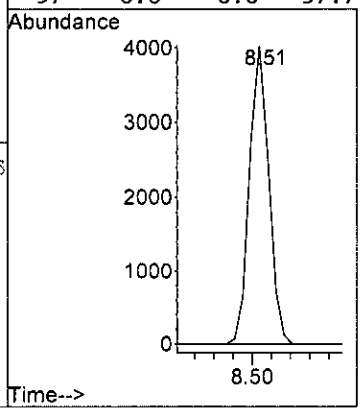




#62
1,2,3-Trichloropropane
Concen: 7.027 ppb
RT: 8.51 min Scan# 716
Delta R.T. -0.181 min
Lab File: 030328.D
Acq: 03 Mar 2023 04:44 pm

Tgt Ion: 75 Resp: 5645

Ion	Ratio	Lower	Upper
75	100		
77	0.0	2.9	62.9#
110	0.0	24.8	84.8#
97	0.0	0.0	57.7



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.75	96	43562	10.000	ppb	0.01
39) Chlorobenzene-d5	7.40	117	39879	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	22017	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14424	10.605	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 106.00%			
30) 1,2-Dichloroethane-d4	4.45	102	2686	9.946	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 99.50%			
35) Toluene-d8	6.10	98	41793	10.304	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.00%			
57) 4-Bromofluorobenzene	8.51	95	14012	10.322	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 103.20%			
Target Compounds				Qvalue		
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.24	50	304	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.34	58	119	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	573	0.811	ppb	91
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	205	0.156	ppb	94
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32] Trichloroethene	5.05	95	418m	0.294	ppb	
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

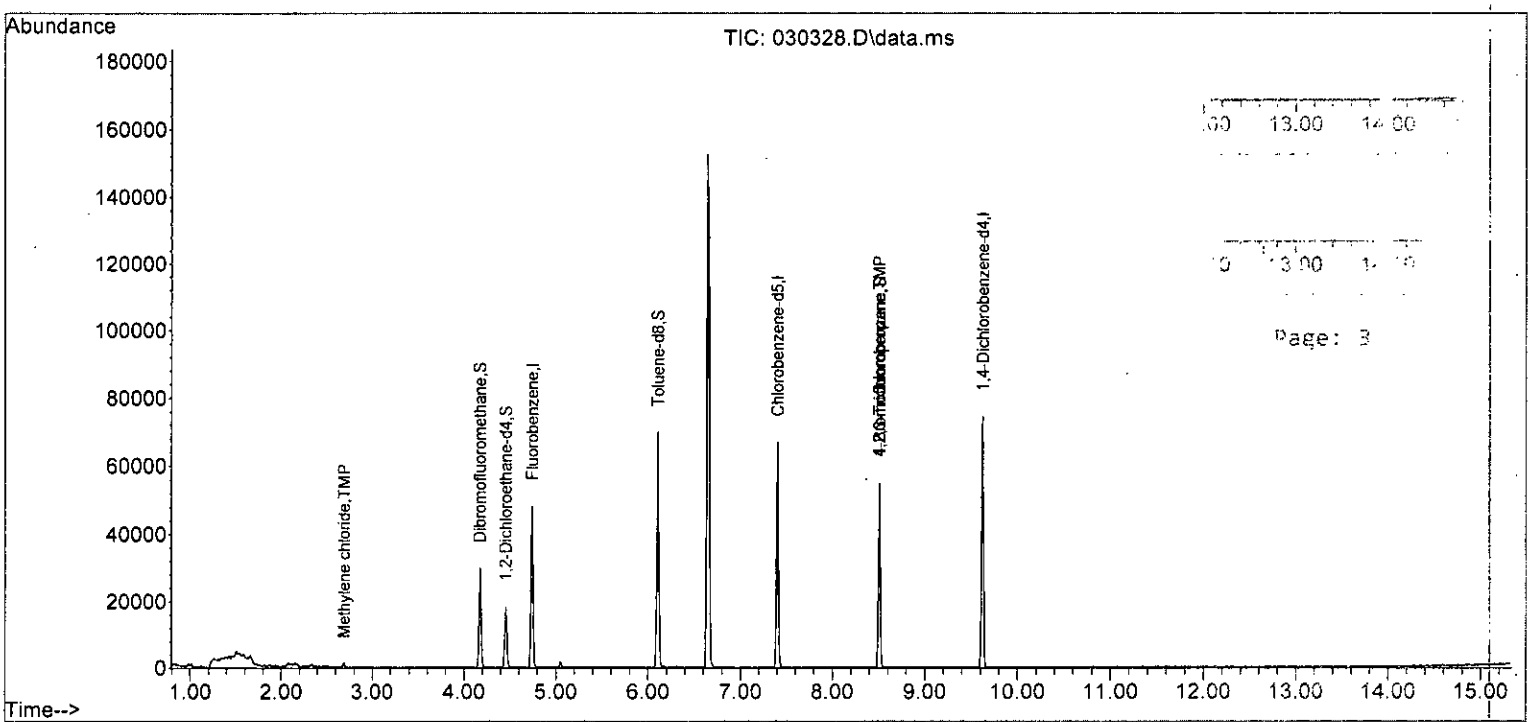
Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

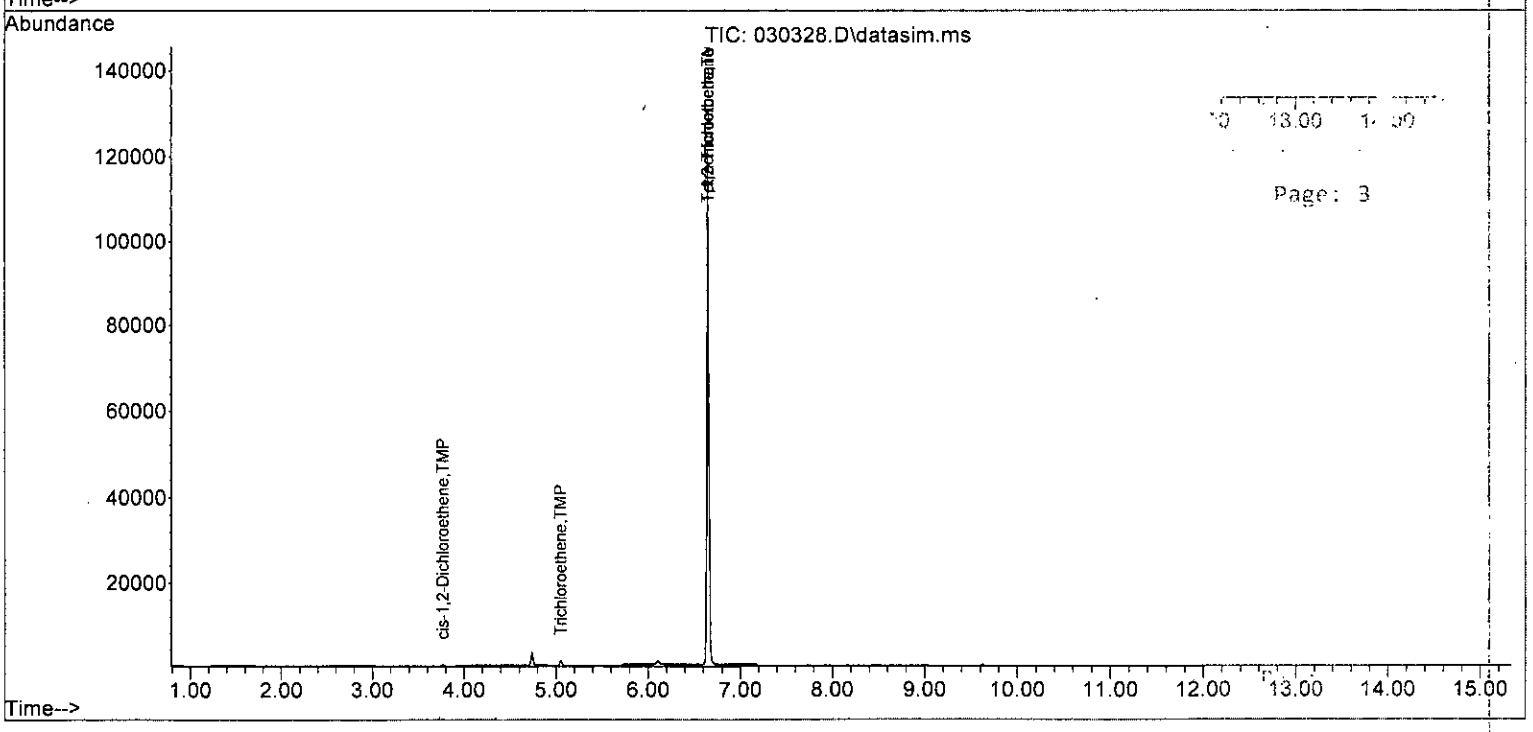
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.			
38) cis-1,3-Dichloropropene	0.00		0	N.D.			
40) Toluene	0.00		0	N.D.			
41) trans-1,3-Dichloropropene	0.00		0	N.D.			
42] 1,1,2-Trichloroethane	6.65	83	506	0.625	ppb	#	22
43) 2-Hexanone	0.00		0	N.D.			
44) 1,3-Dichloropropane	0.00		0	N.D.			
45] Tetrachloroethene	6.65	164	42287	24.674	ppb		99
46) Dibromochloromethane	0.00		0	N.D.			
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.			
48) Chlorobenzene	0.00		0	N.D.			
49] Ethylbenzene	7.54	91	25	Below Cal			95
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.			
51] m,p-Xylene	7.65	106	31	Below Cal			86
52) o-Xylene	0.00		0	N.D.			
53) Styrene	0.00		0	N.D.			
54) Isopropylbenzene	0.00		0	N.D.			
55) Bromoform	0.00		0	N.D.			
58) n-Propylbenzene	0.00		0	N.D.			
59) Bromobenzene	0.00		0	N.D.			
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.			
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.			
62) 1,2,3-Trichloropropane	8.51	75	5645	7.027	ppb	#	35
63) 2-Chlorotoluene	0.00		0	N.D.			
64) 4-Chlorotoluene	0.00		0	N.D.			
65) tert-Butylbenzene	0.00		0	N.D.			
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.			
67) sec-Butylbenzene	0.00		0	N.D.			
68) p-Isopropyltoluene	0.00		0	N.D.			
69) 1,3-Dichlorobenzene	0.00		0	N.D.			
70) 1,4-Dichlorobenzene	0.00		0	N.D.			
71) 1,2-Dichlorobenzene	0.00		0	N.D.			
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.			
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.			
74) Hexachlorobutadiene	0.00		0	N.D.			
75) Naphthalene	0.00		0	N.D.			
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.			

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030328.D
Acq On : 03 Mar 2023 04:44 pm
Operator : lm
Sample : 302330-08
Misc : water
ALS Vial : 18 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:38 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

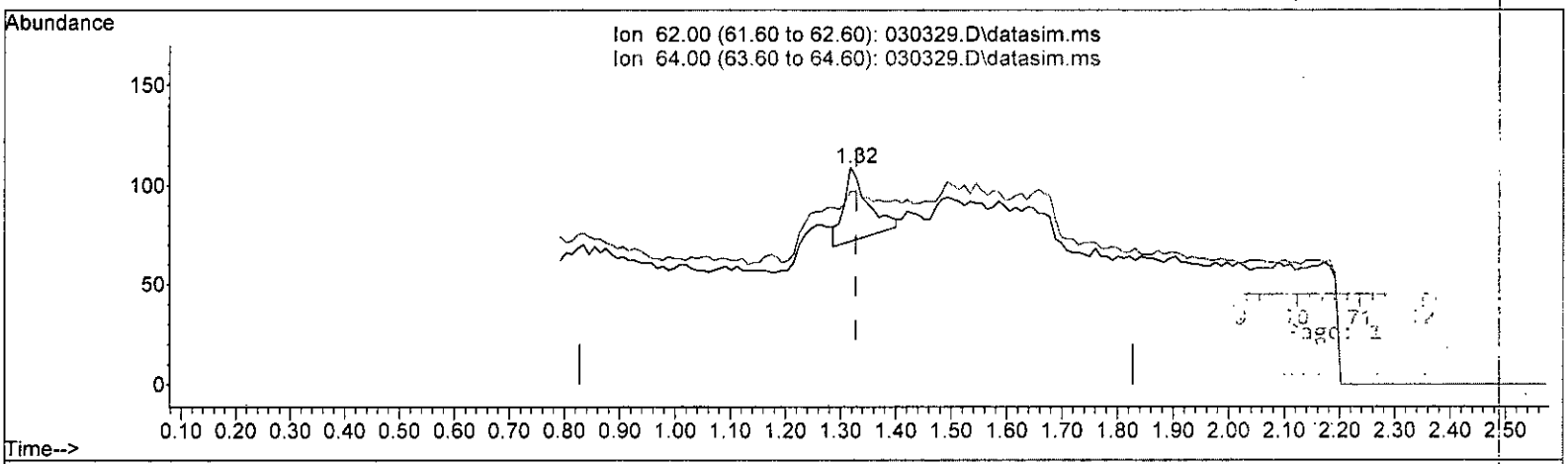


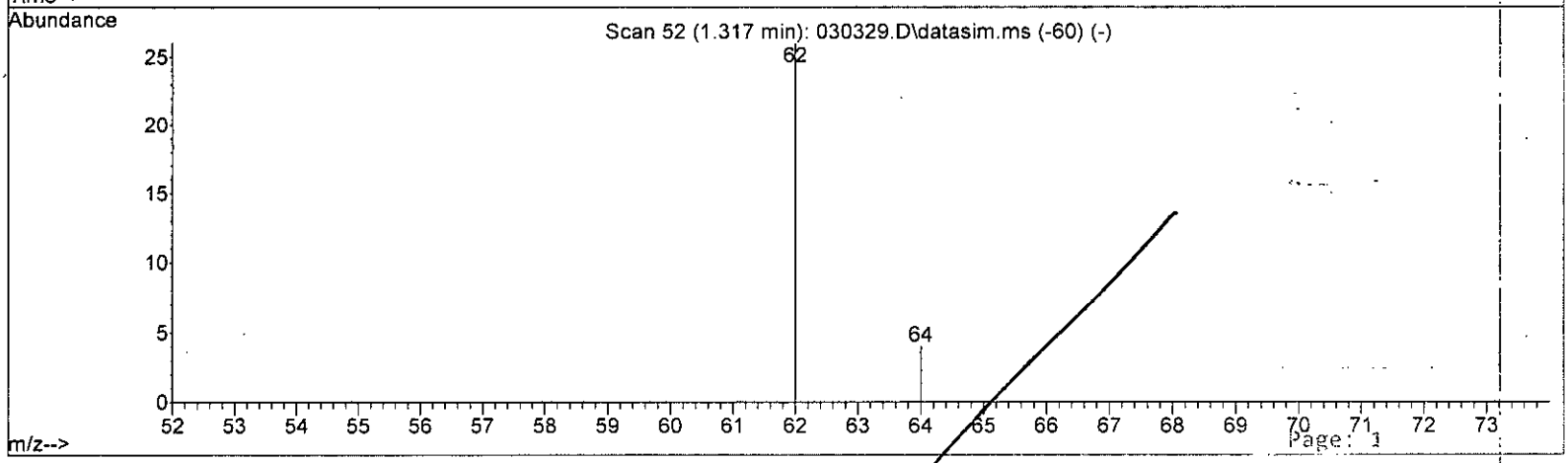


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030329.D\data.ms

(6) Vinyl chloride (TMP)

1.317min (-0.011) 0.052 ppb

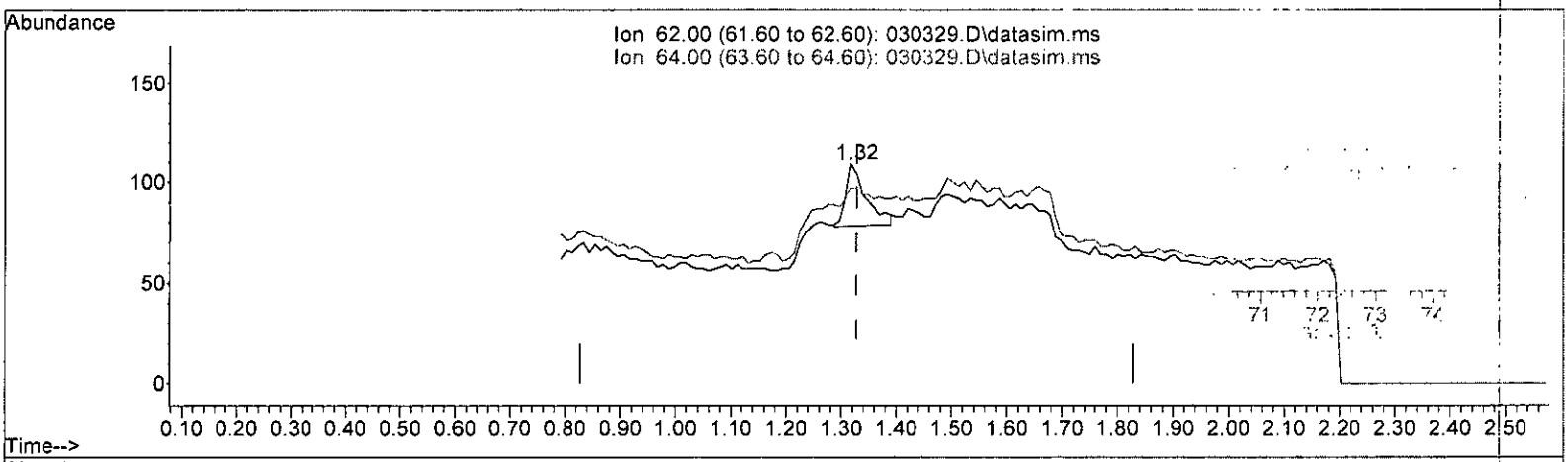
response 111

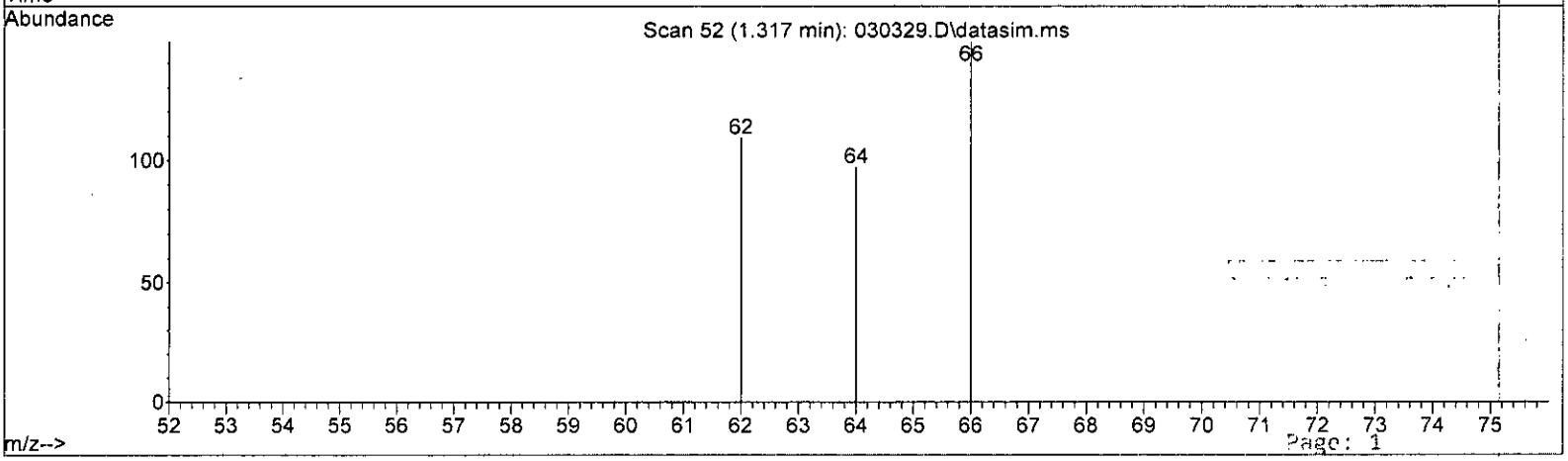
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	26.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030329.D\data.ms

(6) Vinyl chloride (TMP)

1.317min (-0.011) 0.039 ppb m

response 78

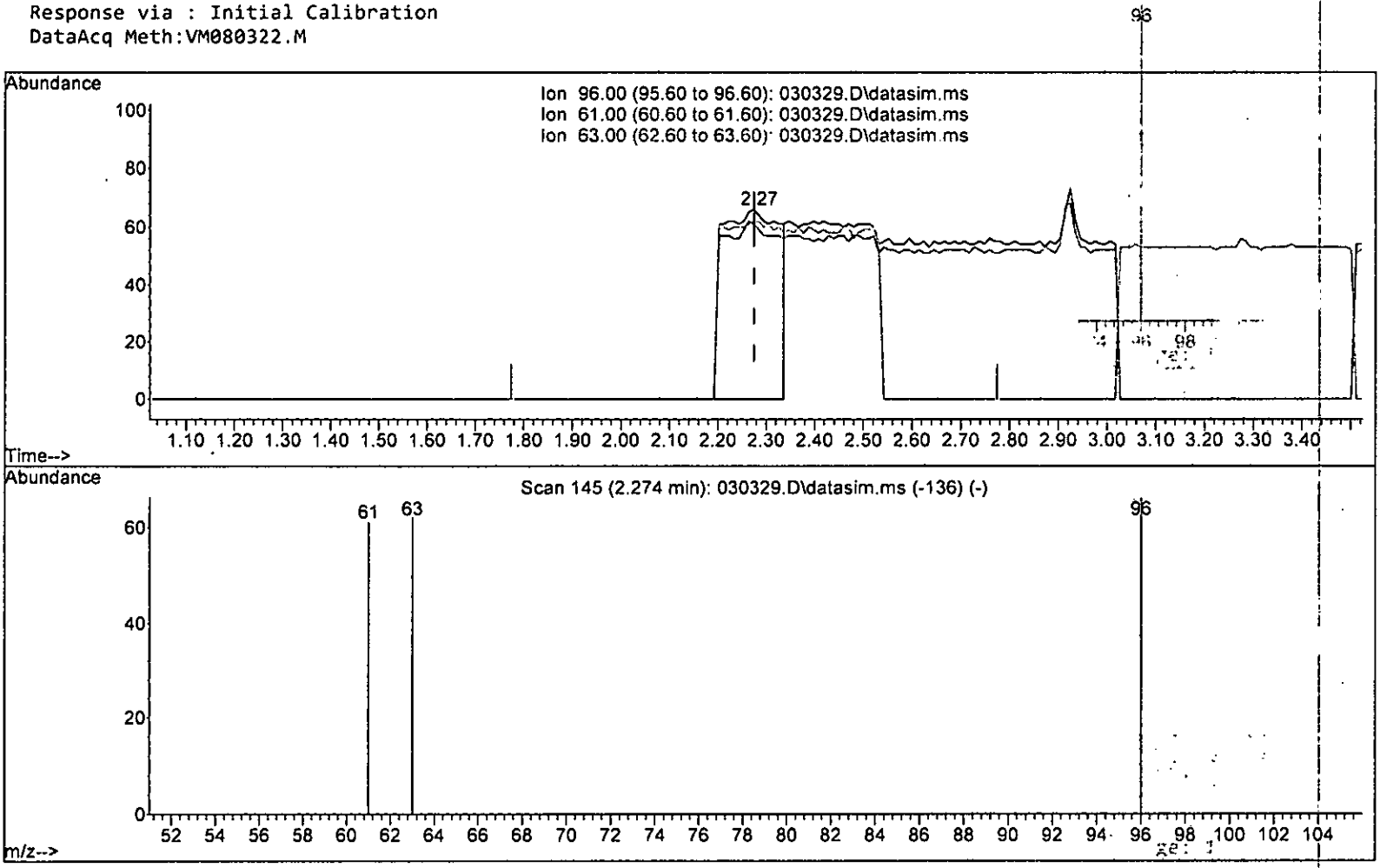
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	88.99#
0.00	0.00	0.00
0.00	0.00	0.00

m 3/6

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030329.D\data.ms

(12) 1,1-Dichloroethene (TMP)

2.274min (-0.001) 0.283 ppb

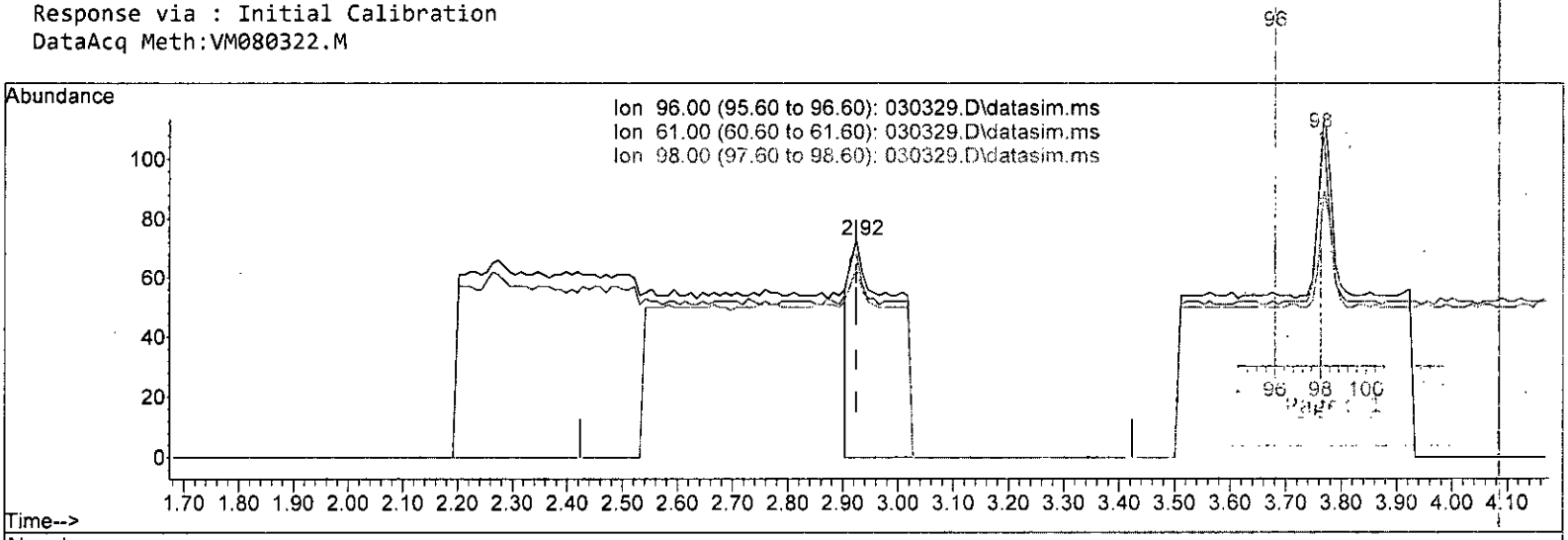
response 538

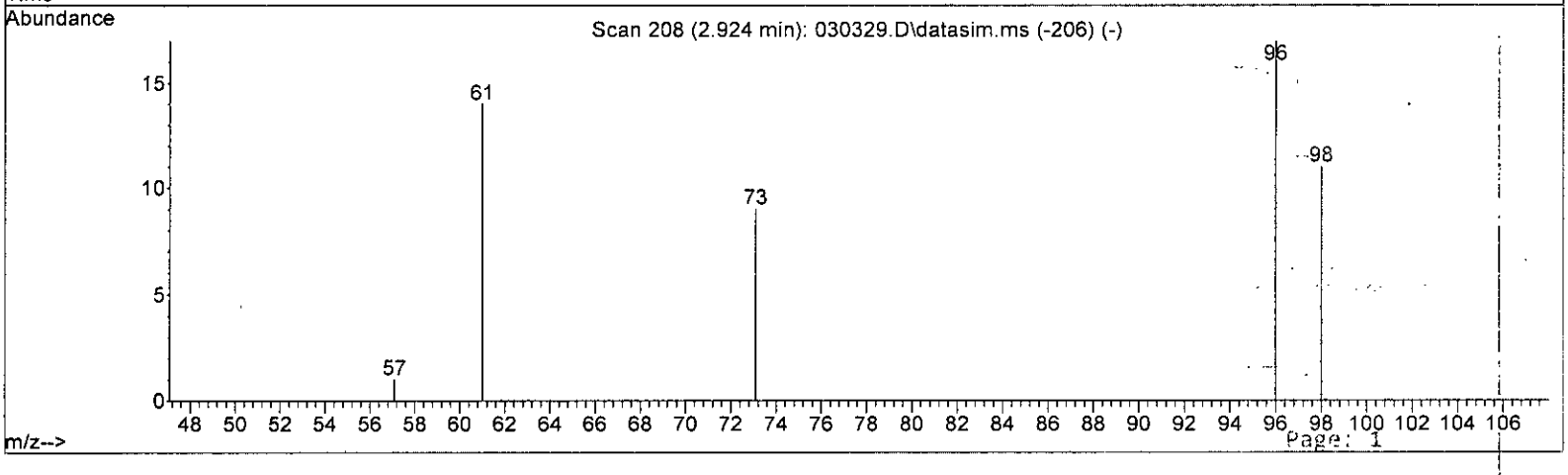
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	104.80	92.42
63.00	36.10	93.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030329.D\data.ms

(17) trans-1,2-Dichloroethene (TMP)

2.924min (+ 0.000) 0.322 ppb

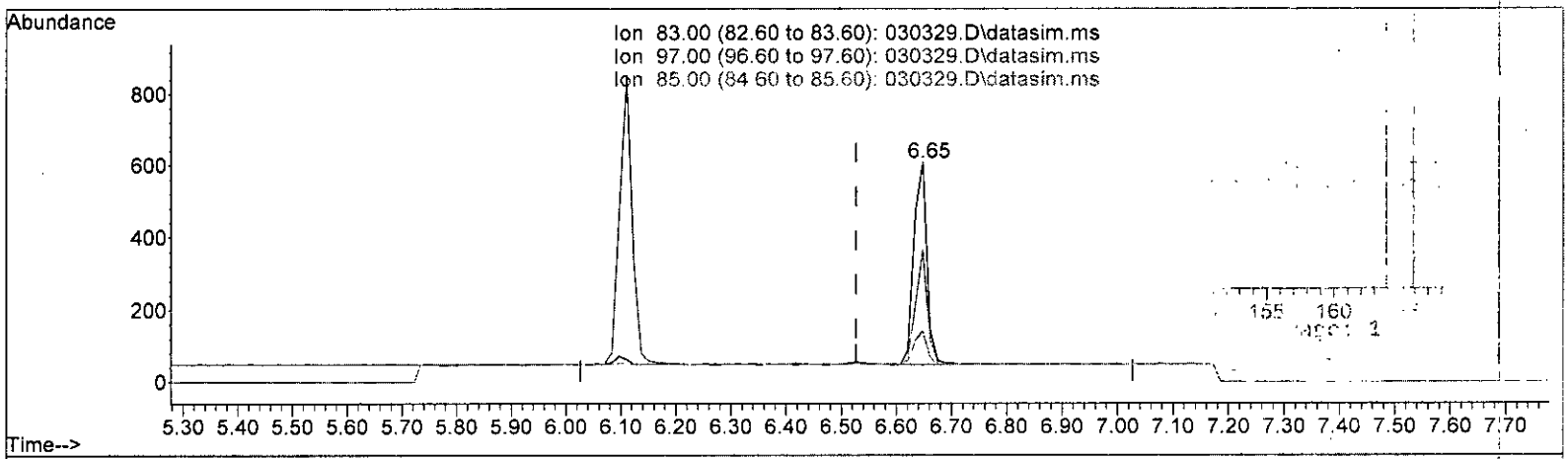
response 395

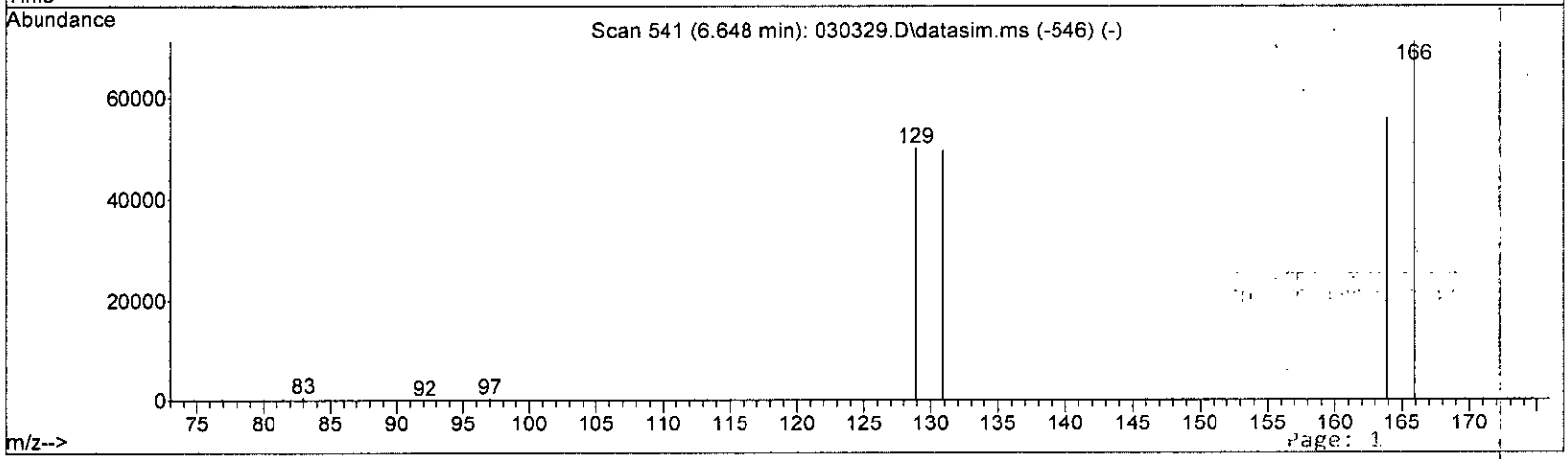
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	93.60	93.15
98.00	65.40	86.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030329.D\data.ms

(42) 1,1,2-Trichloroethane (TMP)

6.648min (+ 0.121) 1.166 ppb

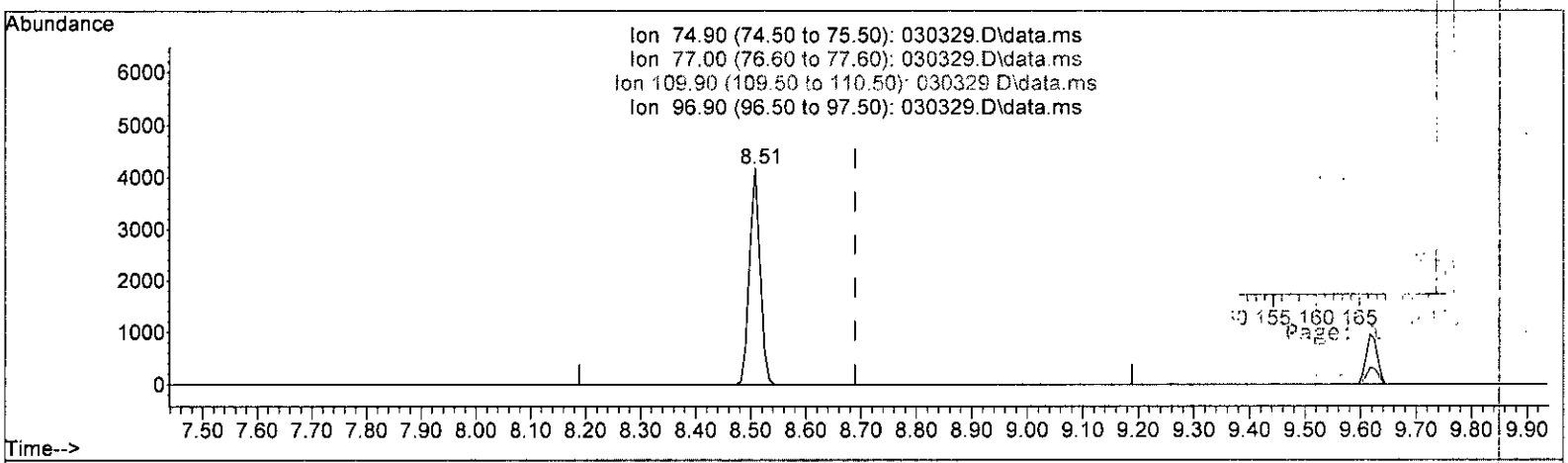
response 919

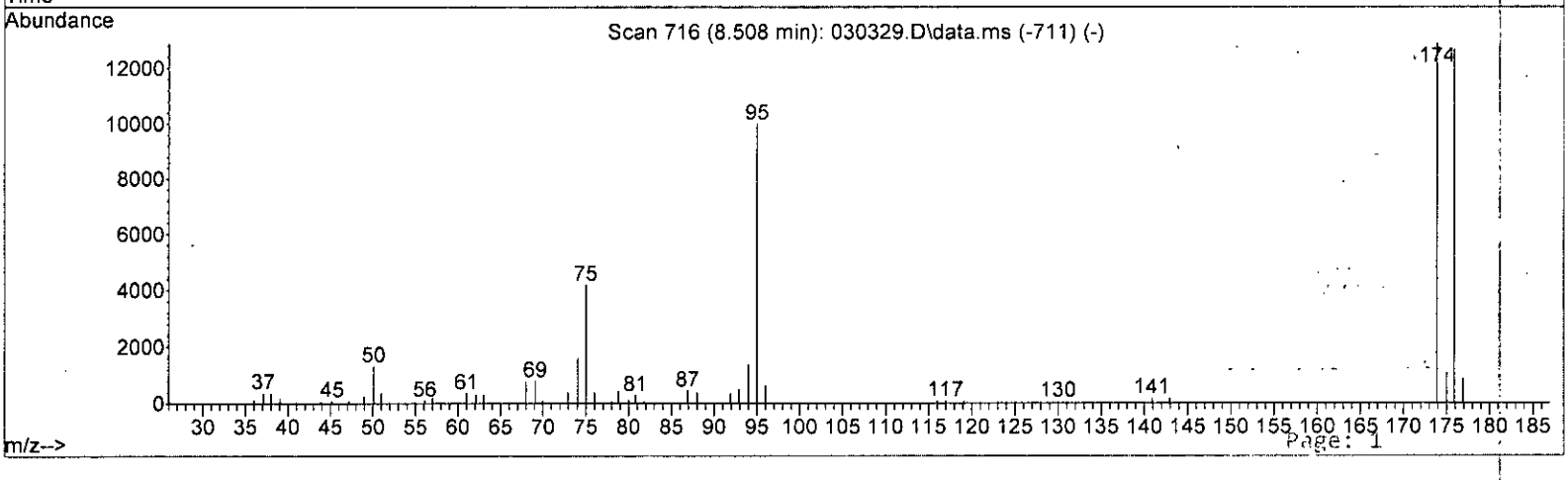
Ion	Exp%	Act%
83.00	100.00	100.00
97.00	162.50	56.35#
85.00	69.90	17.17#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030329.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)

8.508min (-0.181) 7.149 ppb

response 5538

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

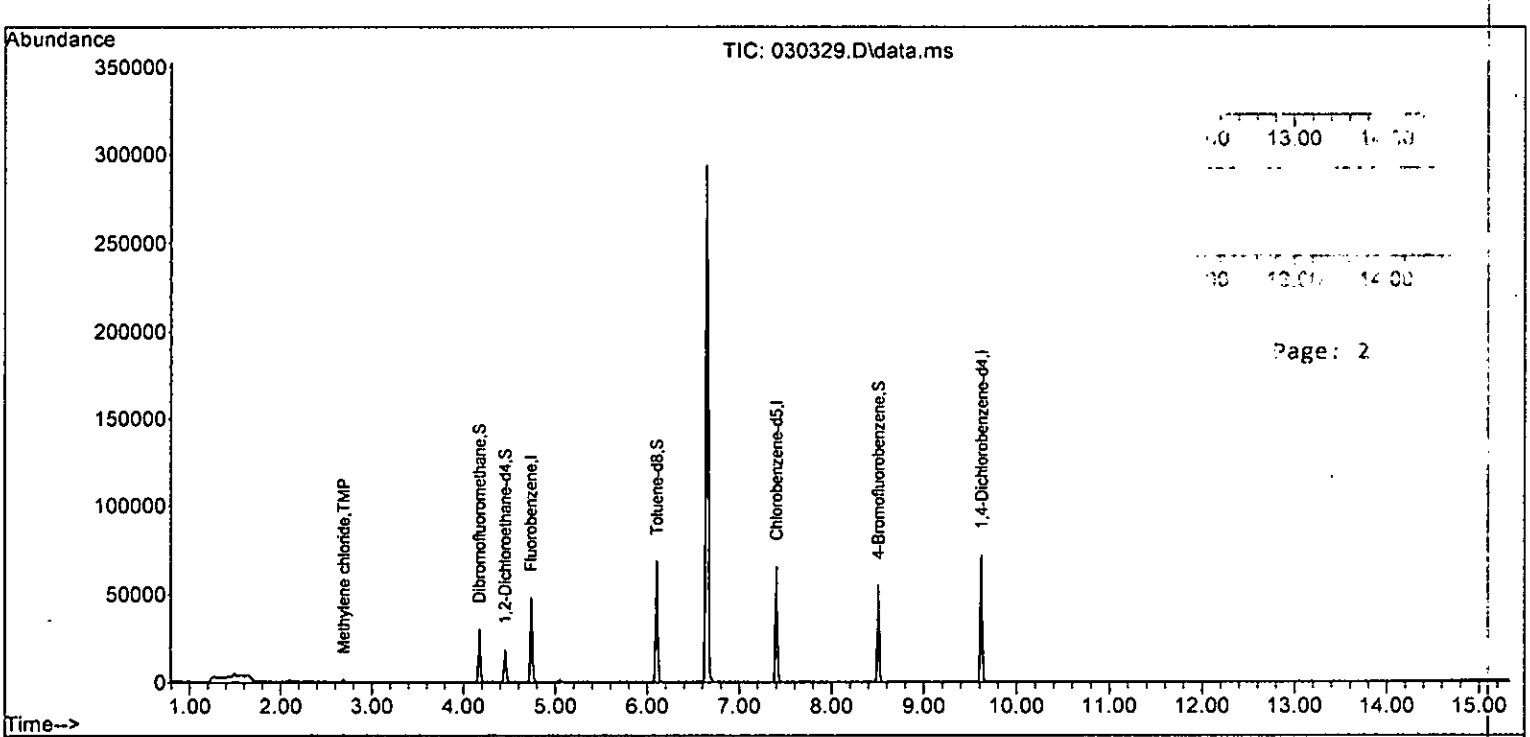
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	43193	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	38840	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21234	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14145	10.488	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2768	10.337	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.40%			
35) Toluene-d8	6.11	98	41147	10.231	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 102.30%			
57) 4-Bromofluorobenzene	8.51	95	13223	10.100	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.00%			
Target Compounds						Qvalue
6] Vinyl chloride	1.32	62	78m	0.039	ppb	
14) Methylene chloride	2.69	84	735	0.971	ppb	87
22] cis-1,2-Dichloroethene	3.77	96	95	0.073	ppb	93
32] Trichloroethene	5.05	95	407	0.289	ppb	96
45] Tetrachloroethene	6.65	164	78984	47.327	ppb	99
51] m,p-Xylene	7.64	106	26	Below Cal		94

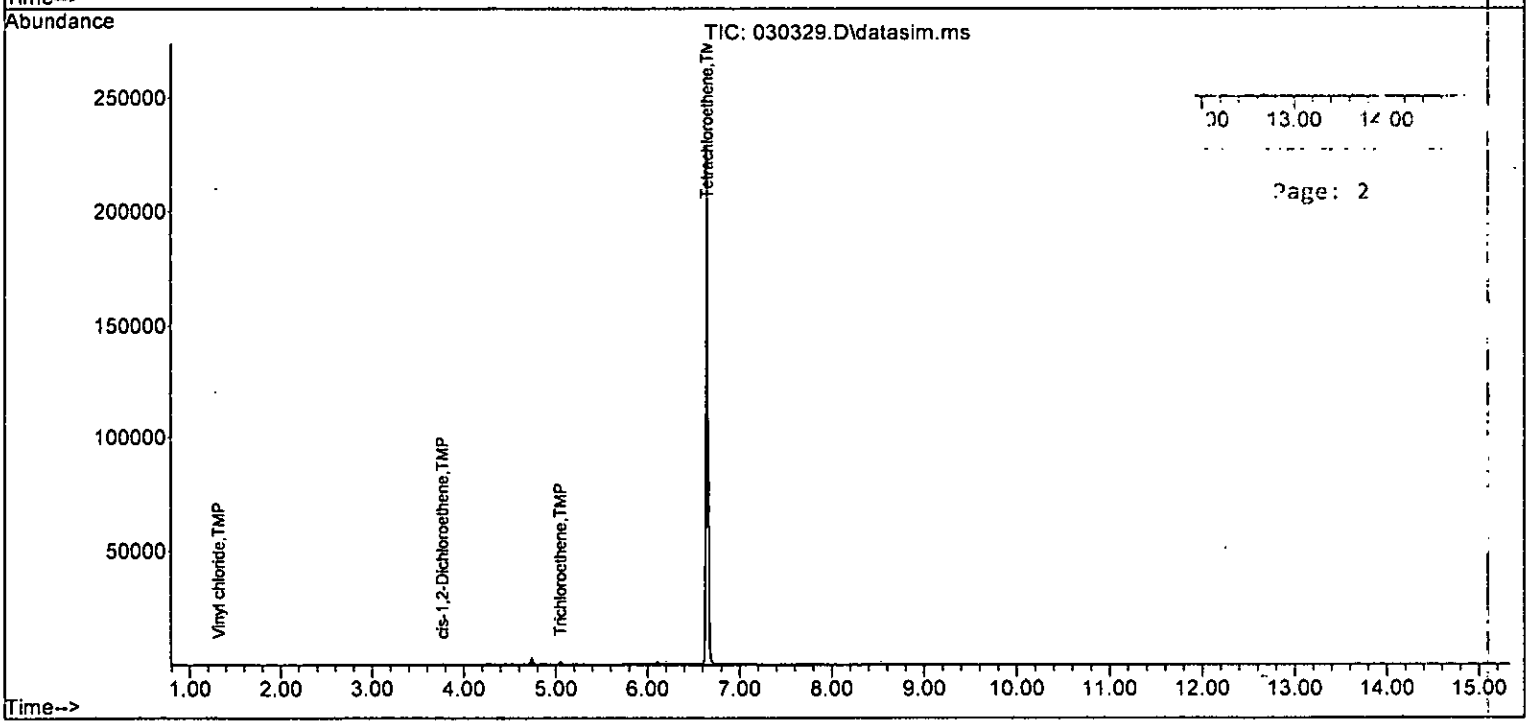
(#) = qualifier out of range (m) = manual integration (+) = signals summed

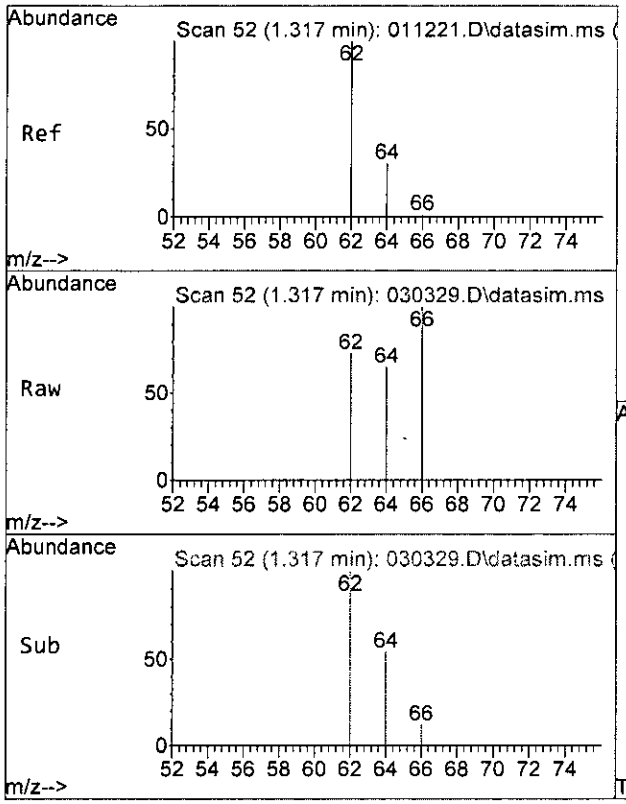
Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



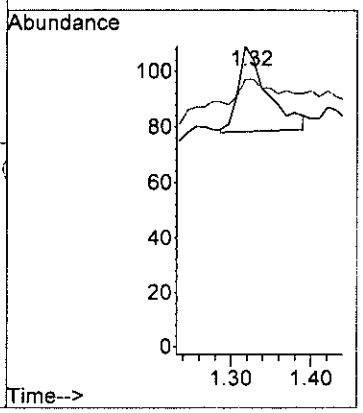


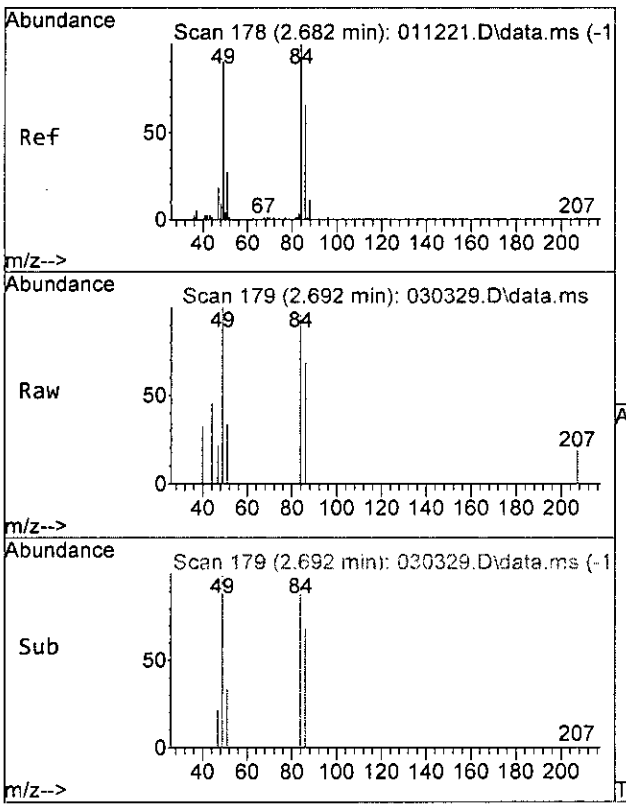


#6
Vinyl chloride
Concen: 0.039 ppb m
RT: 1.32 min Scan# 52
Delta R.T. -0.011 min
Lab File: 030329.D
Acq: 03 Mar 2023 05:08 pm

Tgt Ion: 62 Resp: 78

Ion	Ratio	Lower	Upper
62	100		
64	89.0	4.8	64.8#

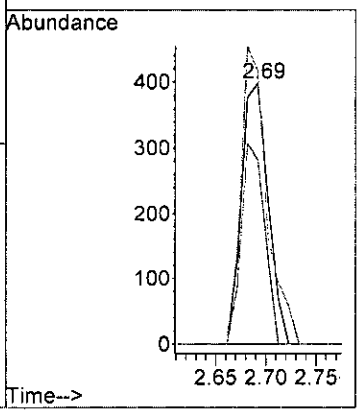


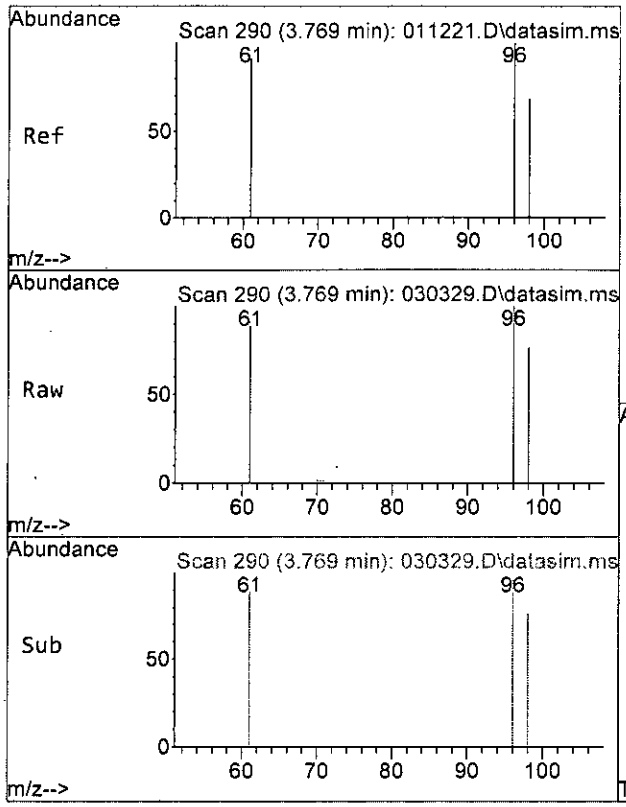


#14
Methylene chloride
Concen: 0.971 ppb
RT: 2.69 min Scan# 179
Delta R.T. -0.000 min
Lab File: 030329.D
Acq: 03 Mar 2023 05:08 pm

Tgt Ion: 84 Resp: 735

Ion	Ratio	Lower	Upper
84	100		
86	70.9	35.3	95.3
49	104.3	57.8	117.8

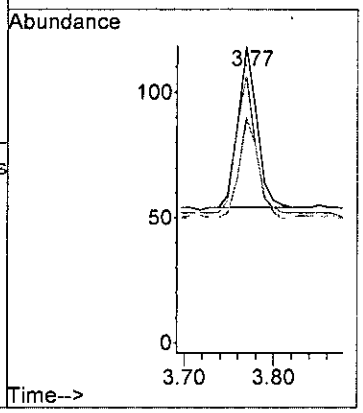


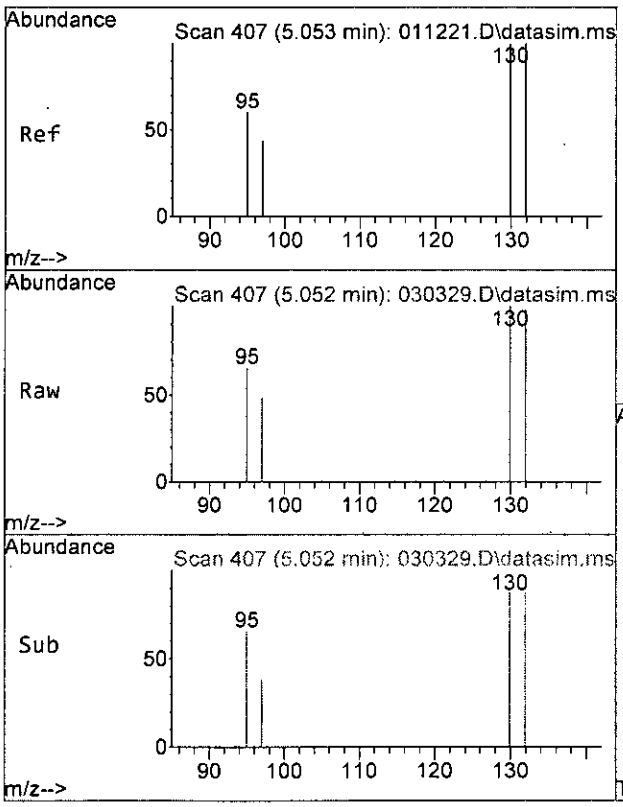


#22
cis-1,2-Dichloroethene
Concen: 0.073 ppb
RT: 3.77 min Scan# 290
Delta R.T. -0.000 min
Lab File: 030329.D
Acq: 03 Mar 2023 05:08 pm

Tgt Ion: 96 Resp: 95

Ion	Ratio	Lower	Upper
96	100		
61	85.9	66.4	126.4
98	62.5	33.0	93.0

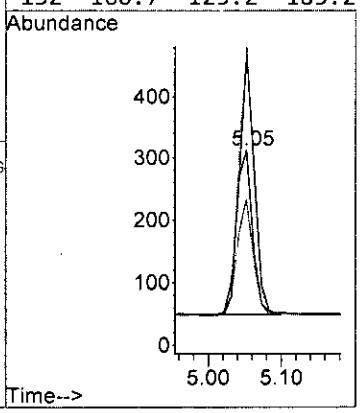


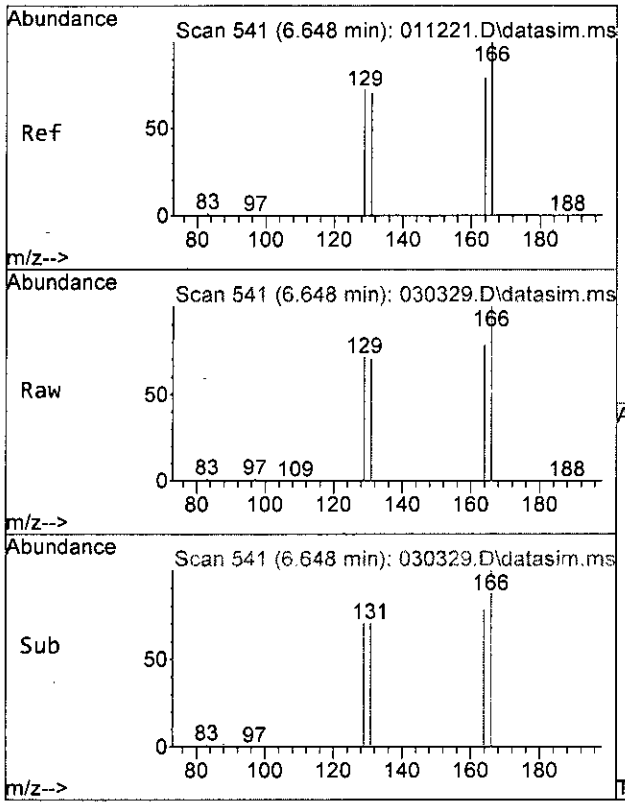


#32
Trichloroethene
Concen: 0.289 ppb
RT: 5.05 min Scan# 407
Delta R.T. -0.001 min
Lab File: 030329.D
Acq: 03 Mar 2023 05:08 pm

Tgt Ion: 95 Resp: 407

Ion	Ratio	Lower	Upper
95	100		
97	69.5	38.8	98.8
130	165.3	128.2	188.2
132	160.7	125.2	185.2

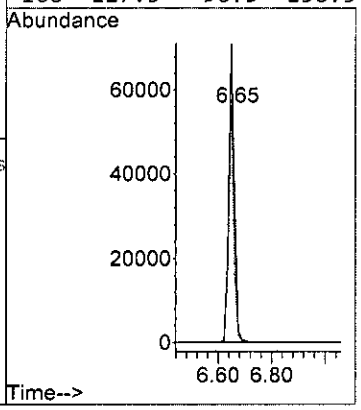




#45
Tetrachloroethene
Concen: 47.327 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030329.D
Acq: 03 Mar 2023 05:08 pm

Tgt Ion:164 Resp: 78984

Ion	Ratio	Lower	Upper
164	100		
129	89.8	59.5	119.5
131	89.0	58.6	118.6
166	127.5	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	43193	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	38840	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21234	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	14145	10.488	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.90%			
30) 1,2-Dichloroethane-d4	4.45	102	2768	10.337	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 103.40%			
35) Toluene-d8	6.11	98	41147	10.231	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 102.30%			
57) 4-Bromofluorobenzene	8.51	95	13223	10.100	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 101.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	1037	N.D.		
6] Vinyl chloride	1.32	62	78m	0.039	ppb	
7) Bromomethane	1.55	94	751	N.D.		
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.33	58	159	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.69	84	735	0.971	ppb	87
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22] cis-1,2-Dichloroethene	3.77	96	95	0.073	ppb	93
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.		
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32] Trichloroethene	5.05	95	407	0.289	ppb	96
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

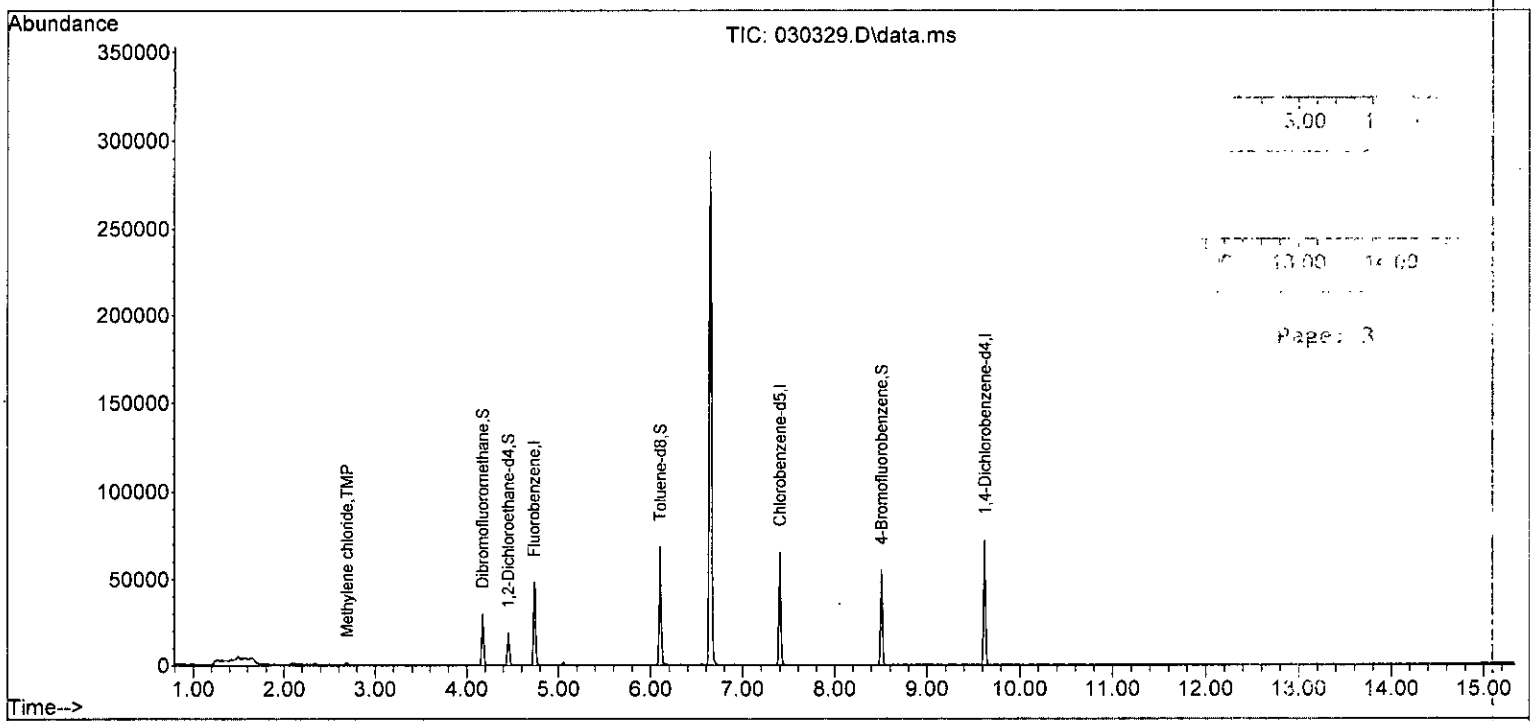
Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

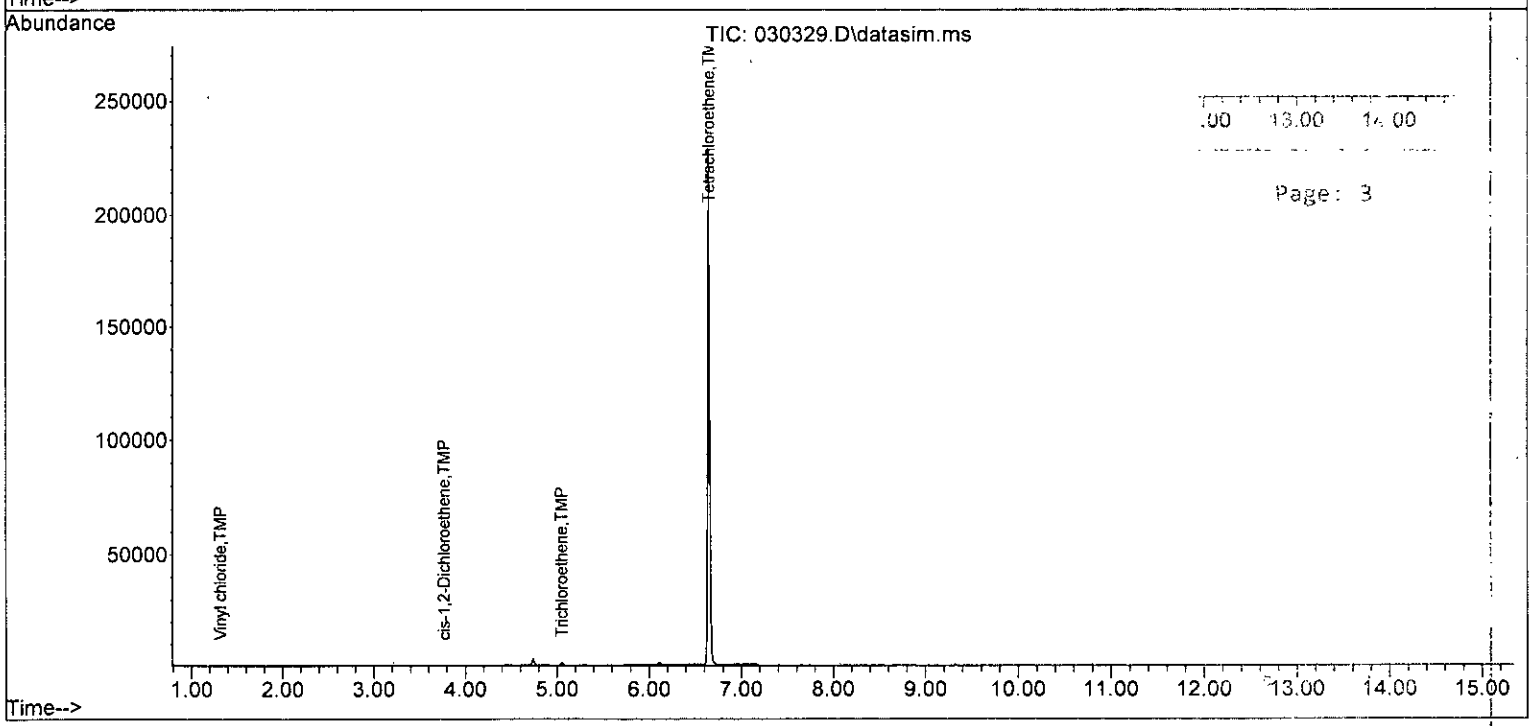
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	0.00		0	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	0.00		0	N.D. d	
43) 2-Hexanone	0.00		0	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	78984	47.327 ppb	99
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49) Ethylbenzene	7.64	91	49	N.D.	
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	26	Below Cal	94
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	21	N.D.	
67) sec-Butylbenzene	9.29	105	21	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030329.D
Acq On : 03 Mar 2023 05:08 pm
Operator : lm
Sample : 302330-07
Misc : water
ALS Vial : 19 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:42 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

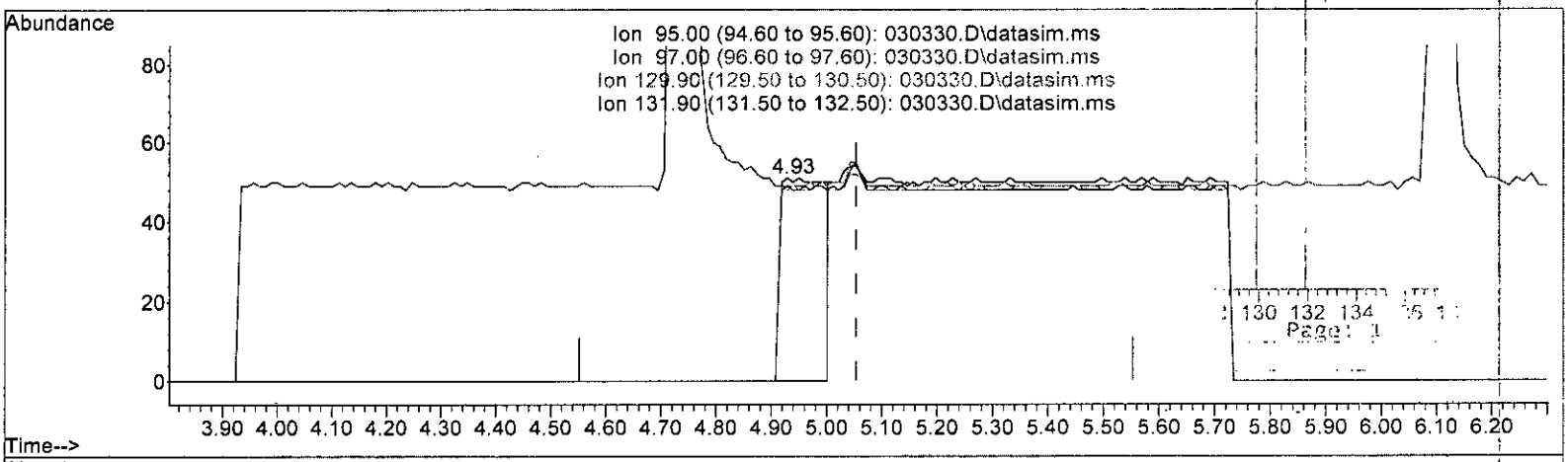


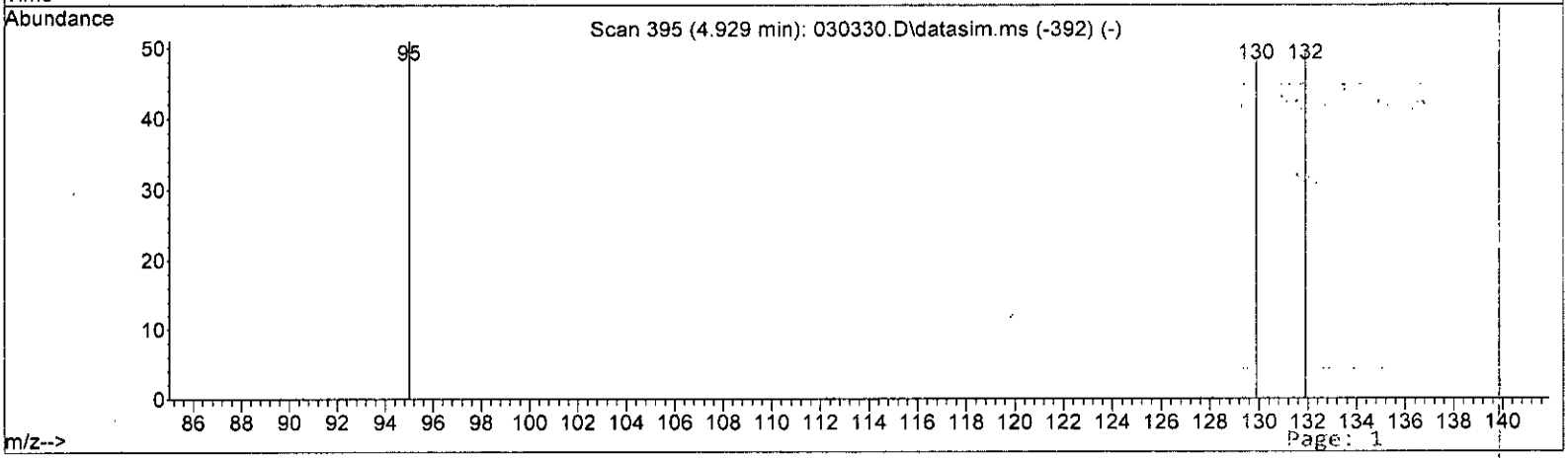


Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030330.D\data.ms

(32) Trichloroethene (TMP)

4.929min (-0.124) 0.201 ppb

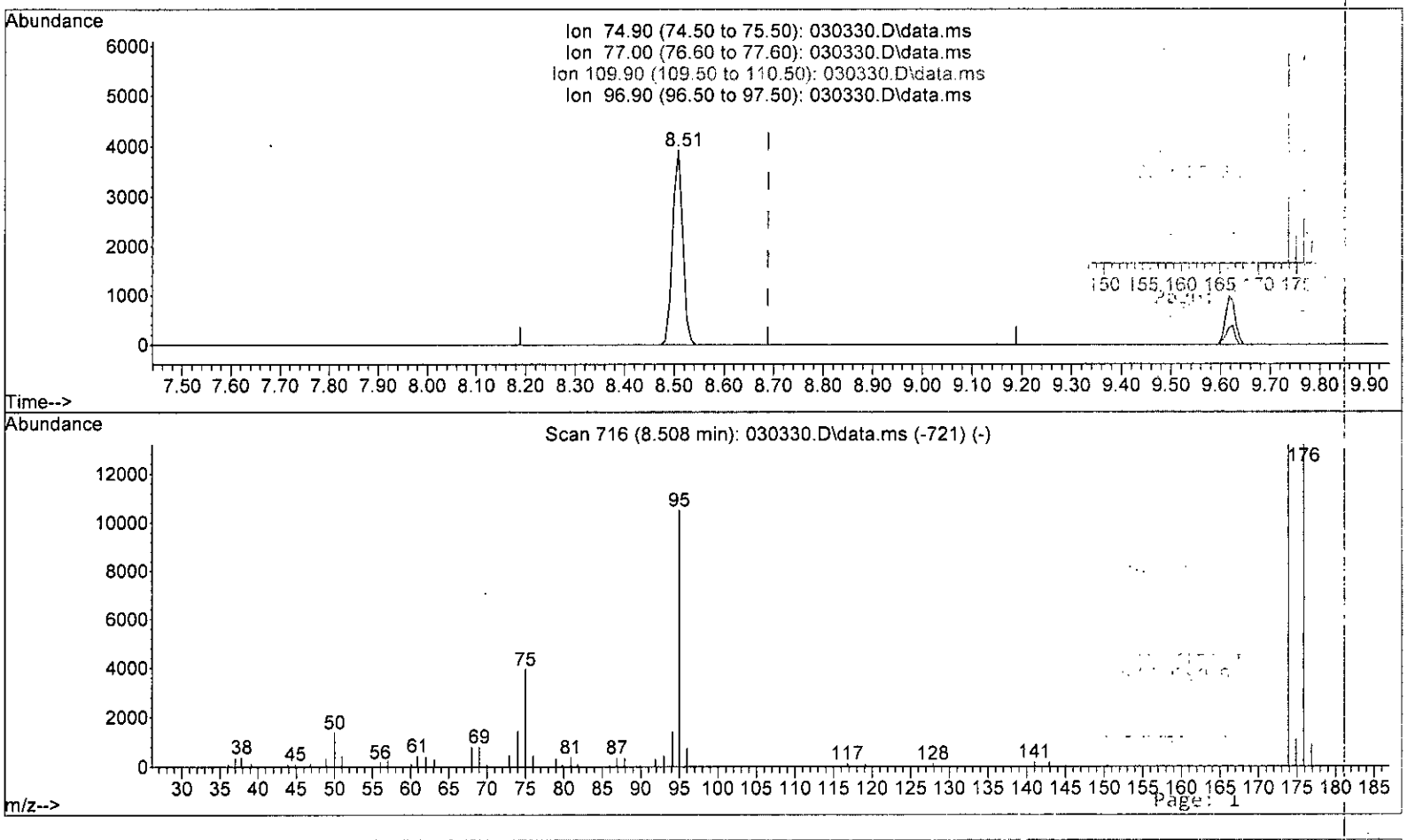
response 285

Ion	Exp%	Act%
95.00	100.00	100.00
97.00	68.80	0.00#
129.90	158.20	94.12#
131.90	155.20	96.08#

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



TIC: 030330.D\data.ms

(62) 1,2,3-Trichloropropane (TMP)
8.508min (-0.181) 7.112 ppb
response 5572

Ion	Exp%	Act%
74.90	100.00	100.00
77.00	32.90	0.00#
109.90	54.80	0.00#
96.90	27.70	0.00

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

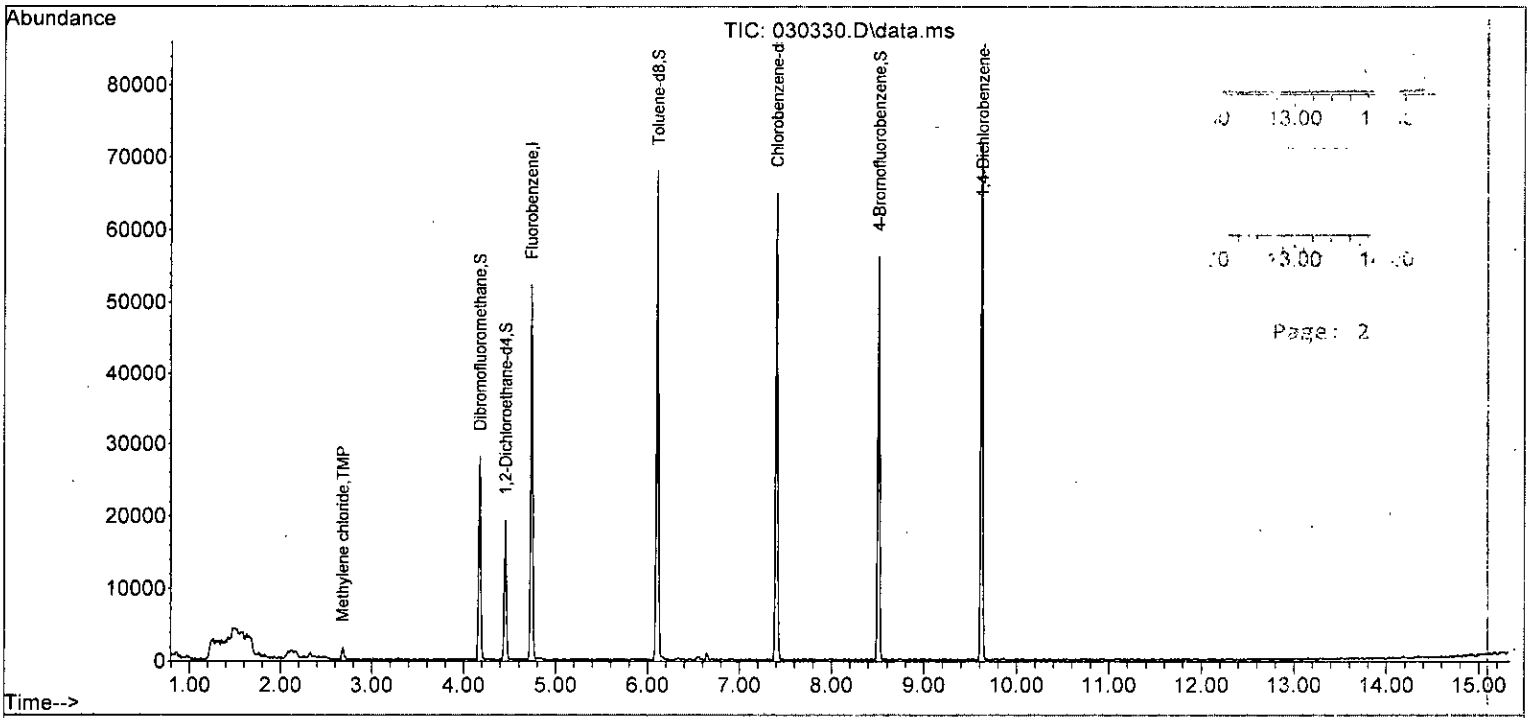
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	4.73	96	42665	10.000 ppb	0.00
39) Chlorobenzene-d5	7.41	117	40510	10.000 ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21475	10.000 ppb	0.00
System Monitoring Compounds					
3) Dibromofluoromethane	4.18	113	13946	10.469 ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.70%		
30) 1,2-Dichloroethane-d4	4.45	102	2871	10.855 ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%		
35) Toluene-d8	6.11	98	41239	10.381 ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.80%		
57) 4-Bromofluorobenzene	8.51	95	13901	10.499 ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.00%		
Target Compounds					Qvalue
7) Bromomethane	1.57	94	254	Below Cal #	3
14) Methylene chloride	2.68	84	965	1.202 ppb	91
26] 1,2-Dichloroethane (EDC)	4.52	62	96	0.060 ppb	98
45] Tetrachloroethene	6.65	164	273	0.149 ppb	99
49] Ethylbenzene	7.53	91	27	Below Cal	99
51] m,p-Xylene	7.64	106	32	Below Cal #	74

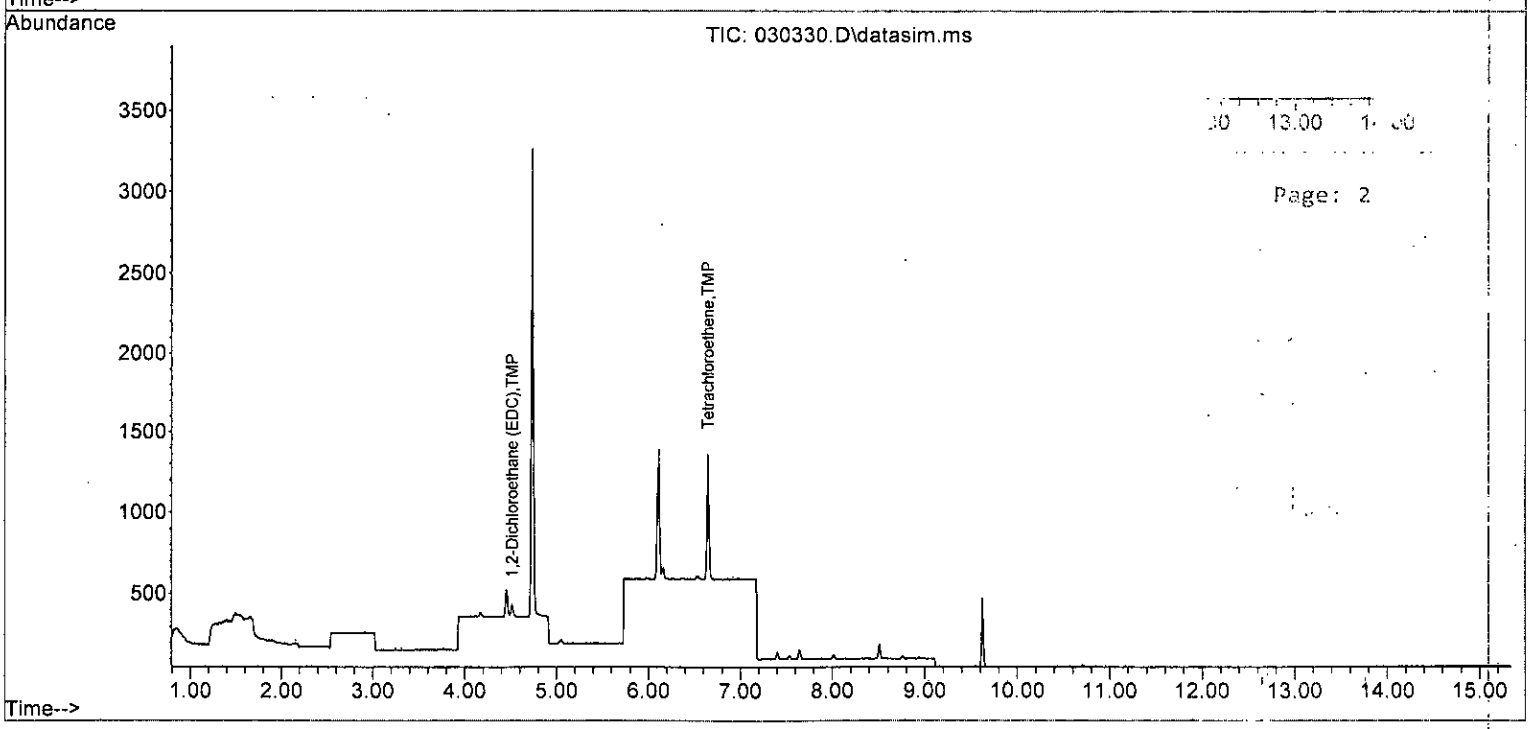
(#) = qualifier out of range (m) = manual integration (+) = signals summed

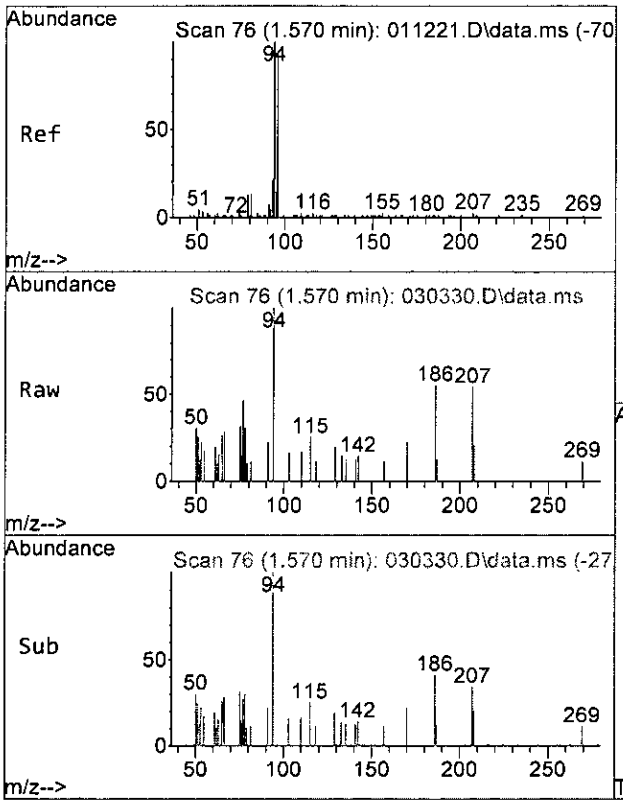
Page: 1

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



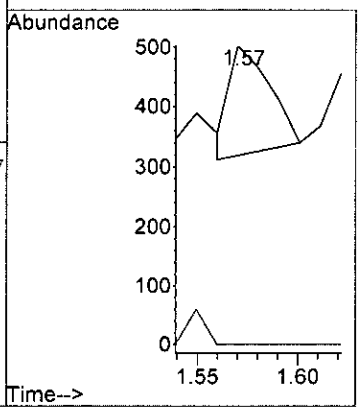


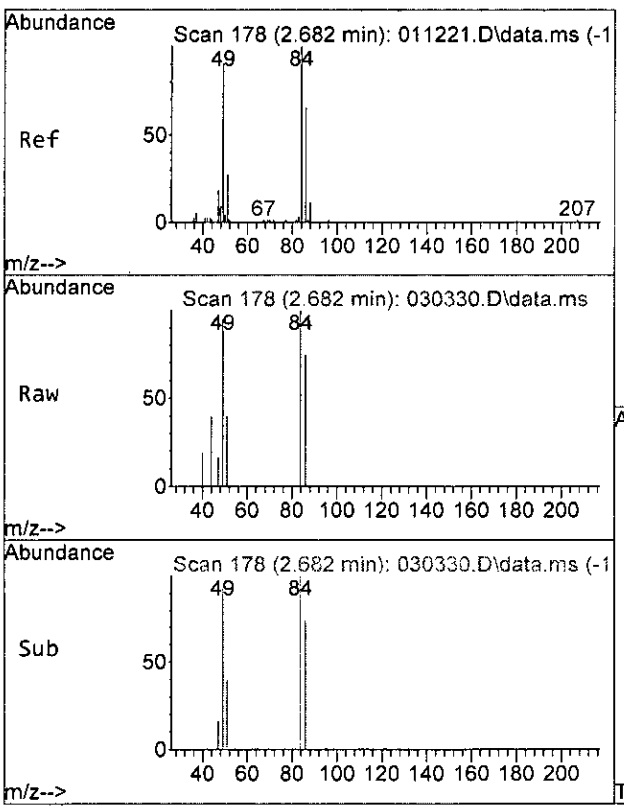


#7
Bromomethane
Concen: Below Cal
RT: 1.57 min Scan# 76
Delta R.T. -0.000 min
Lab File: 030330.D
Acq: 03 Mar 2023 05:31 pm

Tgt Ion: 94 Resp: 254

Ion	Ratio	Lower	Upper
94	100		
96	0.0	64.3	124.3#

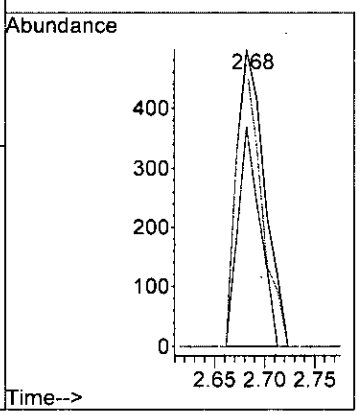


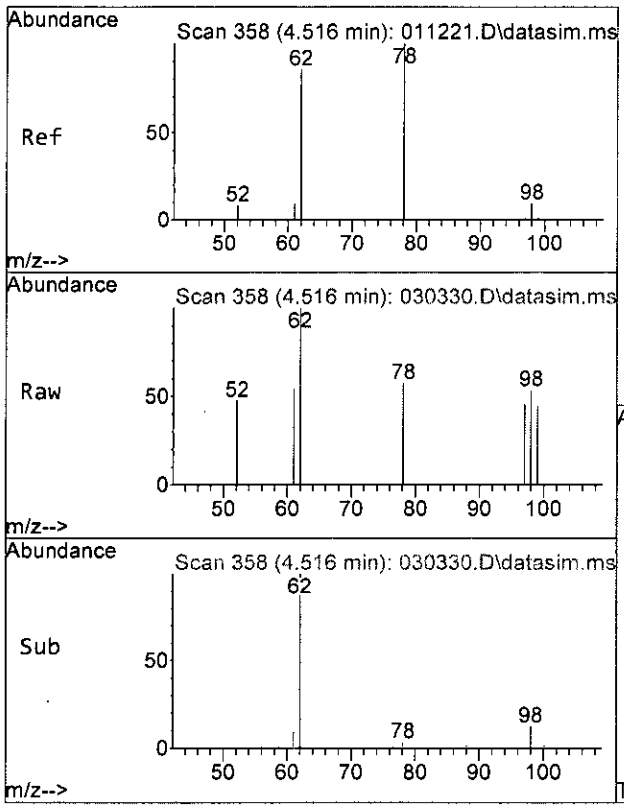


#14
Methylene chloride
Concen: 1.202 ppb
RT: 2.68 min Scan# 178
Delta R.T. -0.010 min
Lab File: 030330.D
Acq: 03 Mar 2023 05:31 pm

Tgt Ion: 84 Resp: 965

Ion	Ratio	Lower	Upper
84	100		
86	74.0	35.3	95.3
49	95.0	57.8	117.8

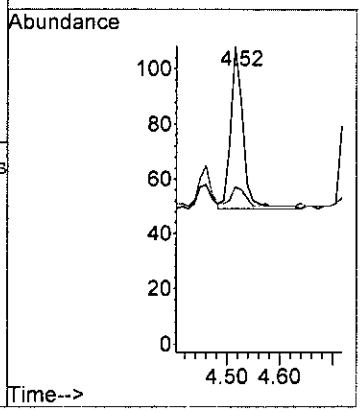


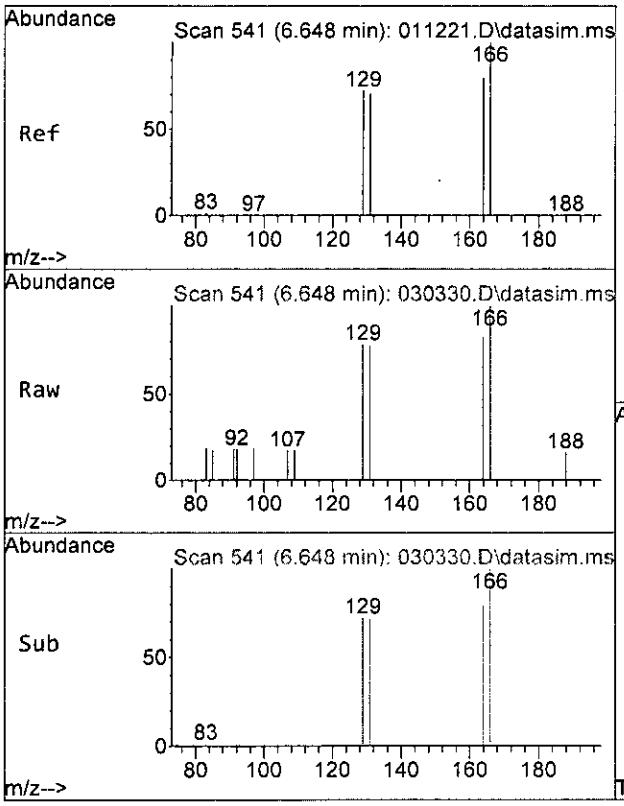


#26
1,2-Dichloroethane (EDC)
Concen: 0.060 ppb
RT: 4.52 min Scan# 358
Delta R.T. -0.000 min
Lab File: 030330.D
Acq: 03 Mar 2023 05:31 pm

Tgt Ion: 62 Resp: 96

Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	39.6

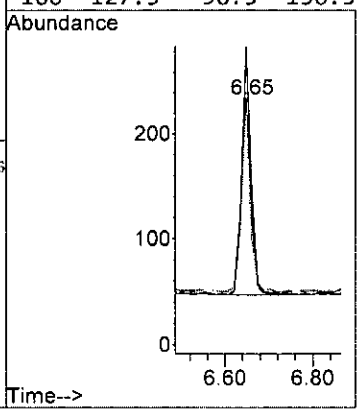




#45
Tetrachloroethene
Concen: 0.149 ppb
RT: 6.65 min Scan# 541
Delta R.T. 0.000 min
Lab File: 030330.D
Acq: 03 Mar 2023 05:31 pm

Tgt Ion:164 Resp: 273

Ion	Ratio	Lower	Upper
164	100		
129	90.9	59.5	119.5
131	89.8	58.6	118.6
166	127.3	96.5	156.5



Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	42665	10.000	ppb	0.00
39) Chlorobenzene-d5	7.41	117	40510	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	21475	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.18	113	13946	10.469	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.70%			
30) 1,2-Dichloroethane-d4	4.45	102	2871	10.855	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 108.50%			
35) Toluene-d8	6.11	98	41239	10.381	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 103.80%			
57) 4-Bromofluorobenzene	8.51	95	13901	10.499	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 105.00%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.25	50	1221	N.D.		
6) Vinyl chloride	0.00		0	N.D.		
7) Bromomethane	1.57	94	254	Below Cal #		3
8) Chloroethane	0.00		0	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	2.33	58	174	N.D.		
12) 1,1-Dichloroethene	0.00		0	N.D.		
13) Hexane	0.00		0	N.D.		
14) Methylene chloride	2.68	84	965	1.202	ppb	91
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.		
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.		
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.		
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	0.00		0	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26] 1,2-Dichloroethane (EDC)	4.52	62	96	0.060	ppb	98
27) 1,1,1-Trichloroethane	0.00		0	N.D.		
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31) Benzene	0.00		0	N.D.		
32) Trichloroethene	0.00		0	N.D. d		
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

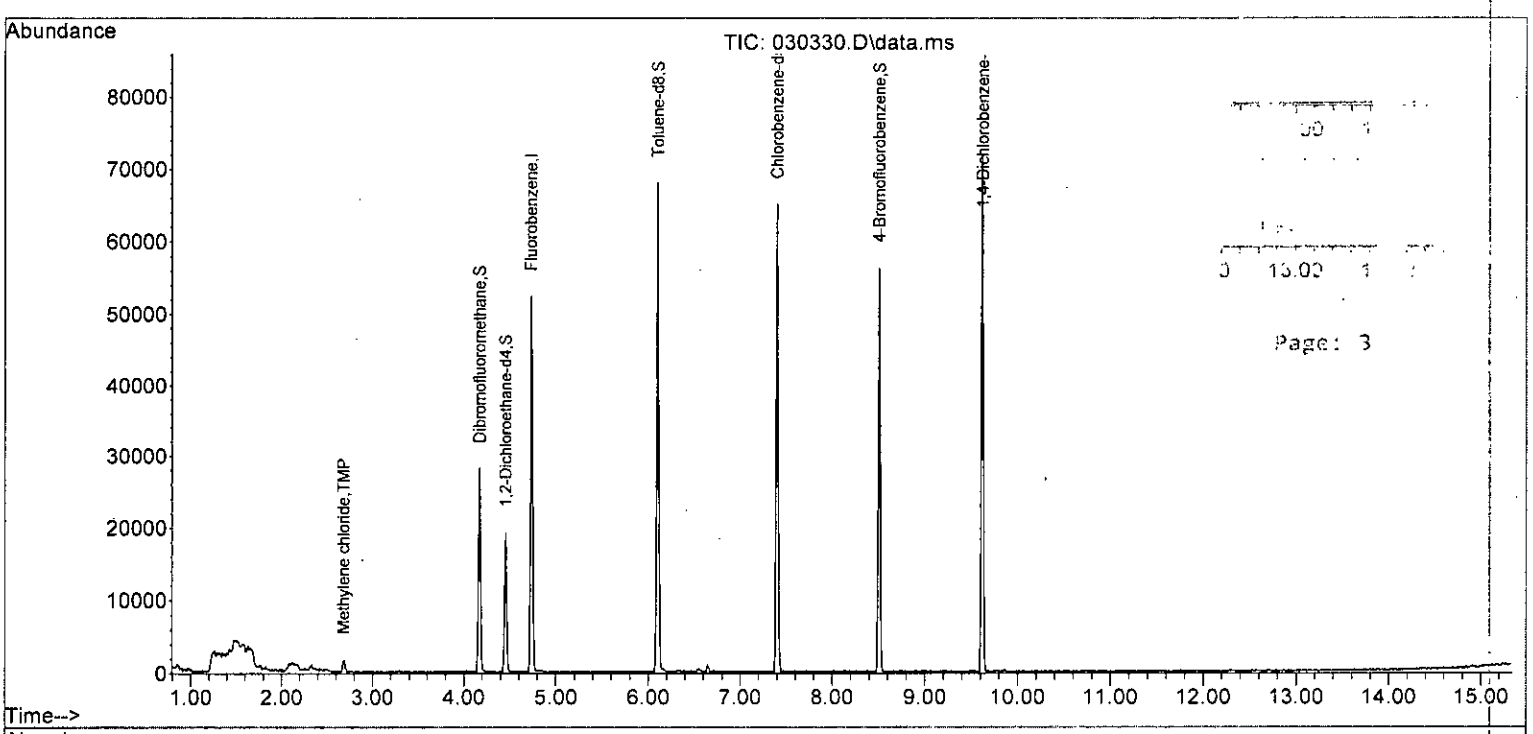
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40) Toluene	6.16	92	36	N.D.	
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	34	N.D.	
43) 2-Hexanone	6.71	43	44	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	273	0.149 ppb	99
46) Dibromochloromethane	0.00		0	N.D.	
47) 1,2-Dibromoethane (EDB)	0.00		0	N.D.	
48) Chlorobenzene	0.00		0	N.D.	
49] Ethylbenzene	7.53	91	27	Below Cal	99
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	32	Below Cal #	74
52) o-Xylene	0.00		0	N.D.	
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	0.00		0	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	0.00		0	N.D.	
59) Bromobenzene	0.00		0	N.D.	
60) 1,3,5-Trimethylbenzene	0.00		0	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	0.00		0	N.D.	
64) 4-Chlorotoluene	0.00		0	N.D.	
65) tert-Butylbenzene	0.00		0	N.D.	
66) 1,2,4-Trimethylbenzene	0.00		0	N.D.	
67) sec-Butylbenzene	0.00		0	N.D.	
68) p-Isopropyltoluene	0.00		0	N.D.	
69) 1,3-Dichlorobenzene	0.00		0	N.D.	
70) 1,4-Dichlorobenzene	0.00		0	N.D.	
71) 1,2-Dichlorobenzene	0.00		0	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	0.00		0	N.D.	
74) Hexachlorobutadiene	0.00		0	N.D.	
75) Naphthalene	0.00		0	N.D.	
76) 1,2,3-Trichlorobenzene	0.00		0	N.D.	

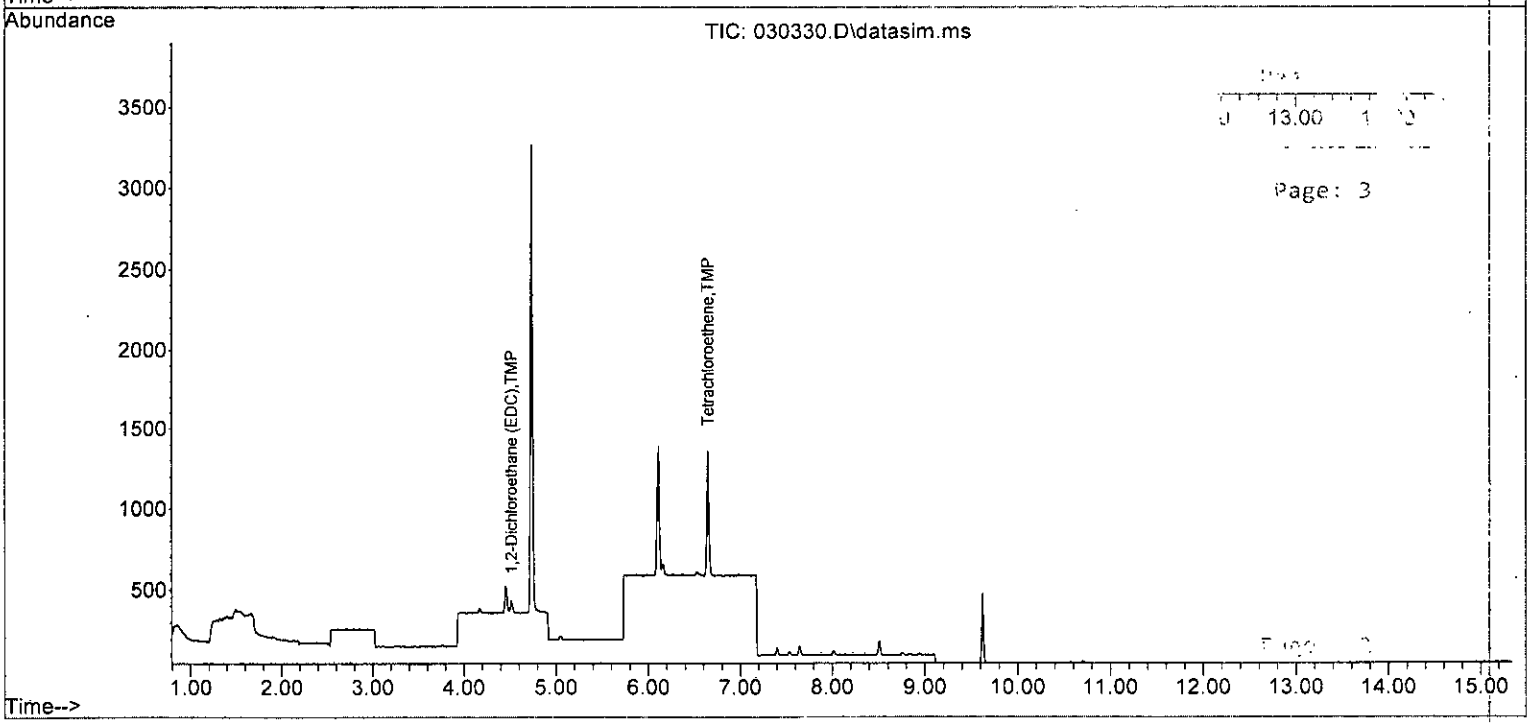
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030330.D
Acq On : 03 Mar 2023 05:31 pm
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 20 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:46 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030909.D
Acq On : 09 Mar 2023 10:41 am
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 11:00:13 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

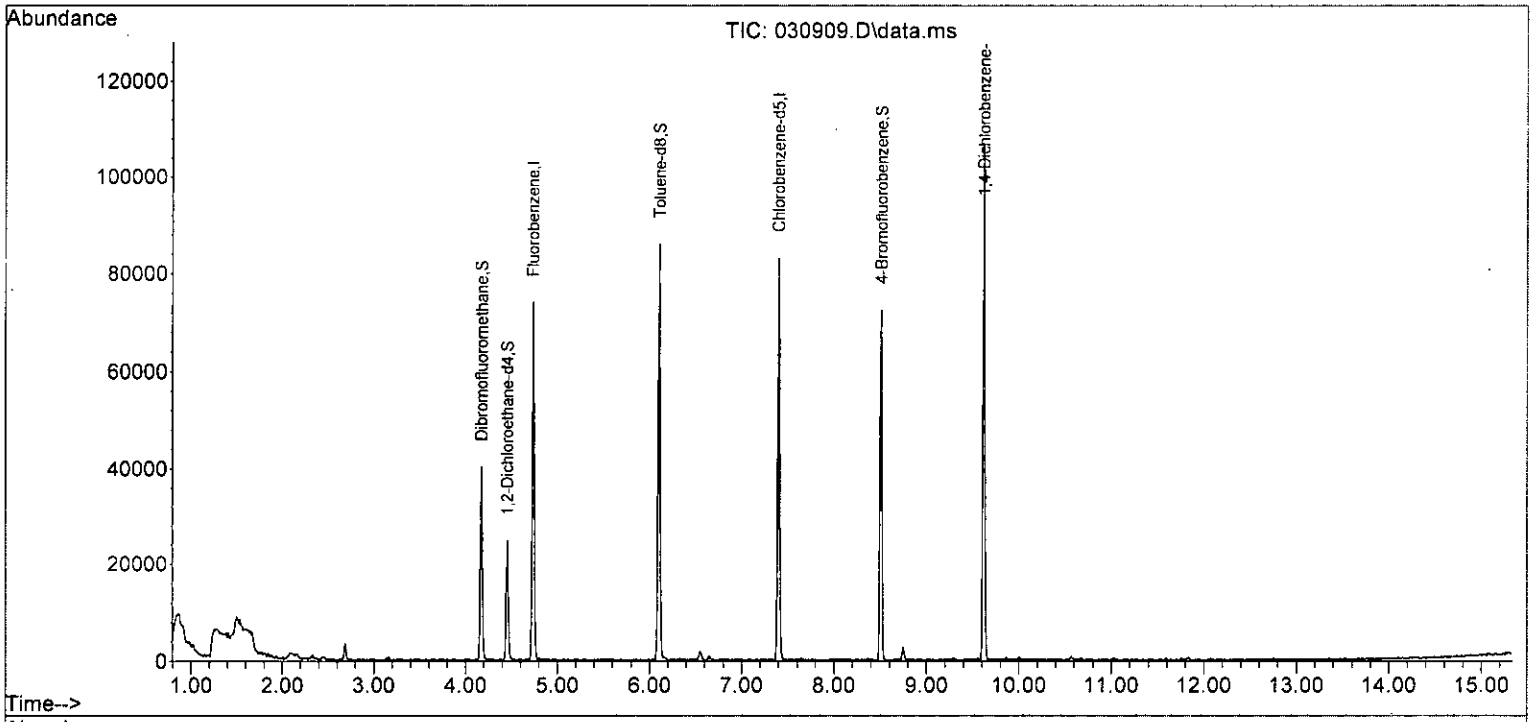
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	59916	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	52631	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31079	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20187	10.455	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3743	9.837	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 98.40%			
35) Toluene-d8	6.11	98	55362	9.697	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 97.00%			
57) 4-Bromofluorobenzene	8.51	95	18860	10.062	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 100.60%			
Target Compounds						Qvalue
31] Benzene	4.50	78	114	Below Cal		96
32] Trichloroethene	5.04	95	49	Below Cal		93
40] Toluene	6.16	92	133	Below Cal		93
45] Tetrachloroethene	6.65	164	241	0.047	ppb	99
47] 1,2-Dibromoethane (EDB)	6.97	107	55	Below Cal		88
49] Ethylbenzene	7.53	91	153	Below Cal		93
51] m,p-Xylene	7.64	106	164	Below Cal		85
52] o-Xylene	8.01	106	72	Below Cal		83

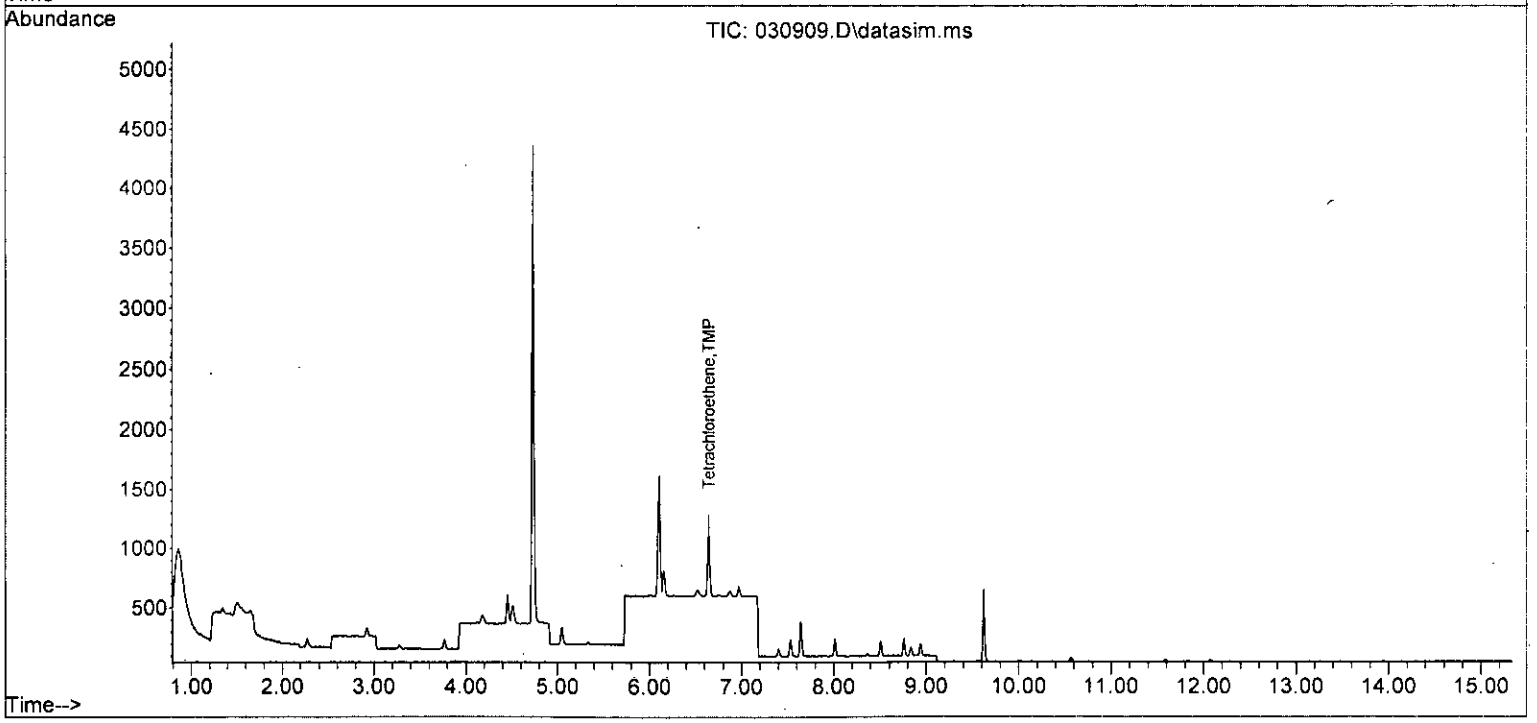
(#) = qualifier out of range (m) = manual integration (+) = signals summed

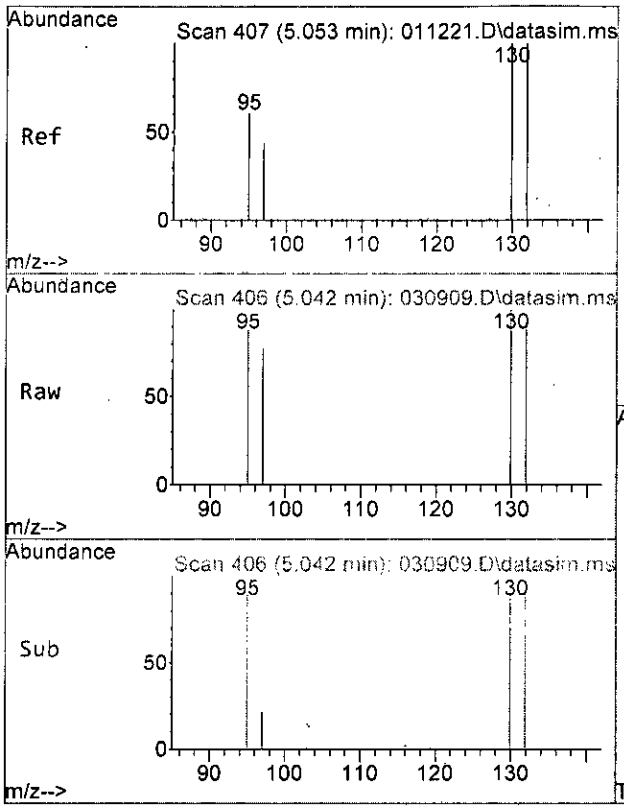
Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030909.D
Acq On : 09 Mar 2023 10:41 am
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 11:00:13 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M



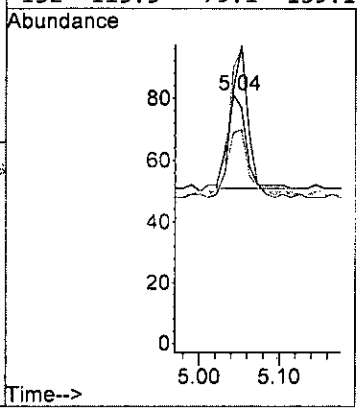


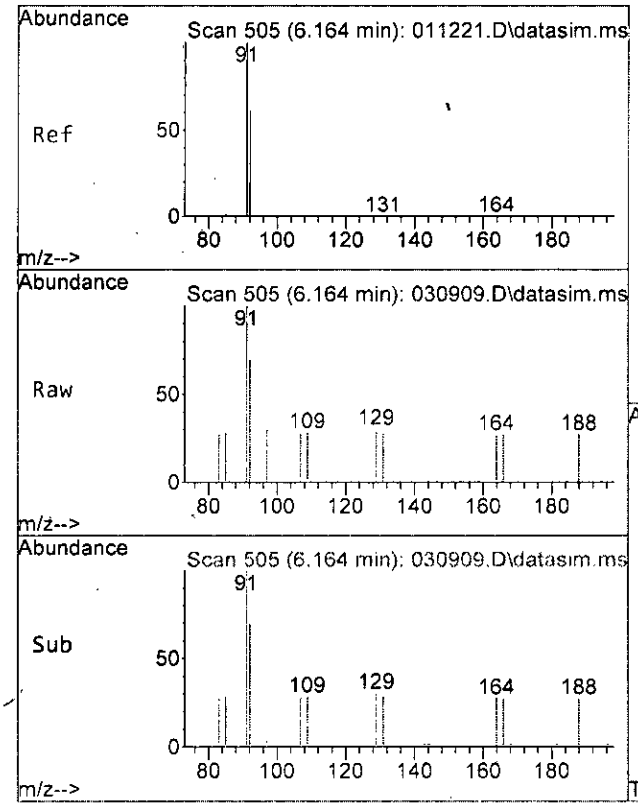


#32
Trichloroethene
Concen: Below Cal
RT: 5.04 min Scan# 406
Delta R.T. 0.000 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion: 95 Resp: 49

Ion	Ratio	Lower	Upper
95	100		
97	66.7	30.7	90.7
130	136.7	96.9	156.9
132	113.3	79.1	139.1

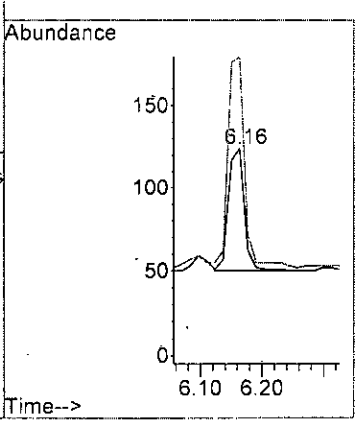


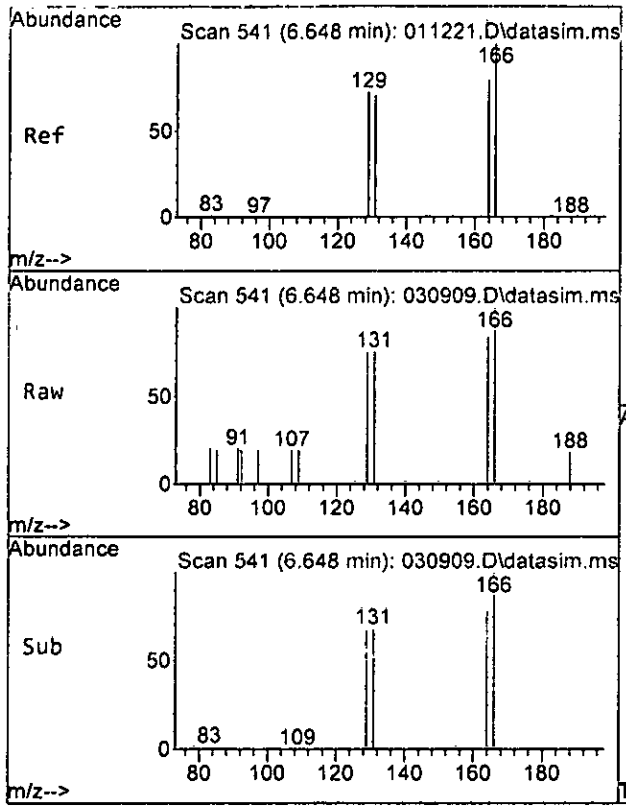


#40
Toluene
Concen: Below Cal
RT: 6.16 min Scan# 505
Delta R.T. -0.000 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion: 92 Resp: 133

Ion	Ratio	Lower	Upper
92	100		
91	171.6	132.7	192.7

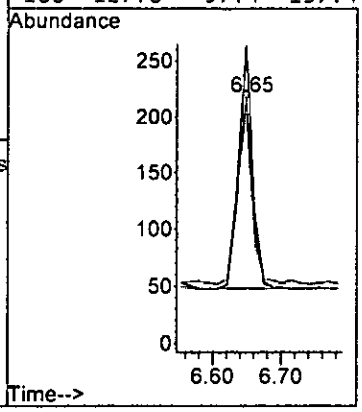


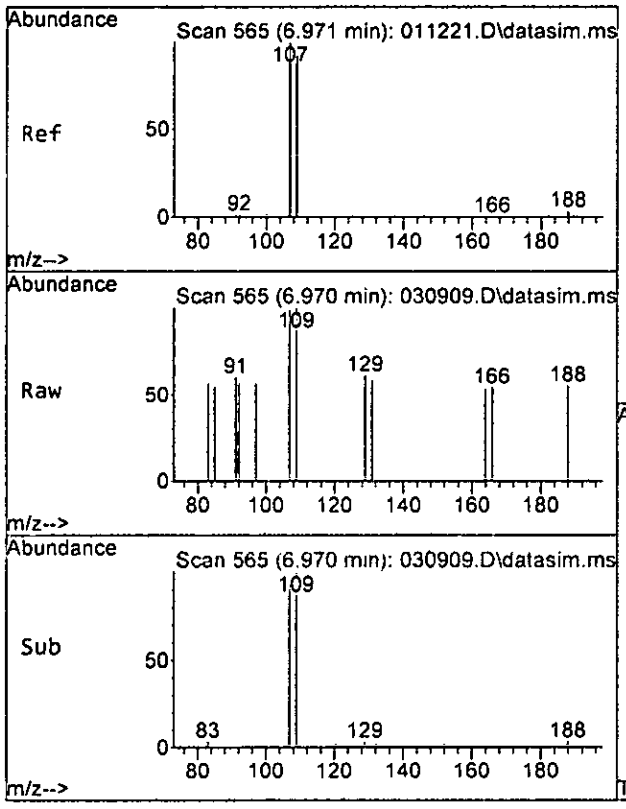


#45
Tetrachloroethene
Concen: 0.047 ppb
RT: 6.65 min Scan# 541
Delta R.T. -0.000 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion:164 Resp: 241

Ion	Ratio	Lower	Upper
164	100		
129	86.5	59.2	119.2
131	87.1	58.8	118.8
166	127.6	97.4	157.4

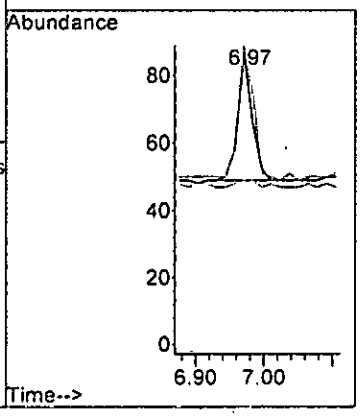


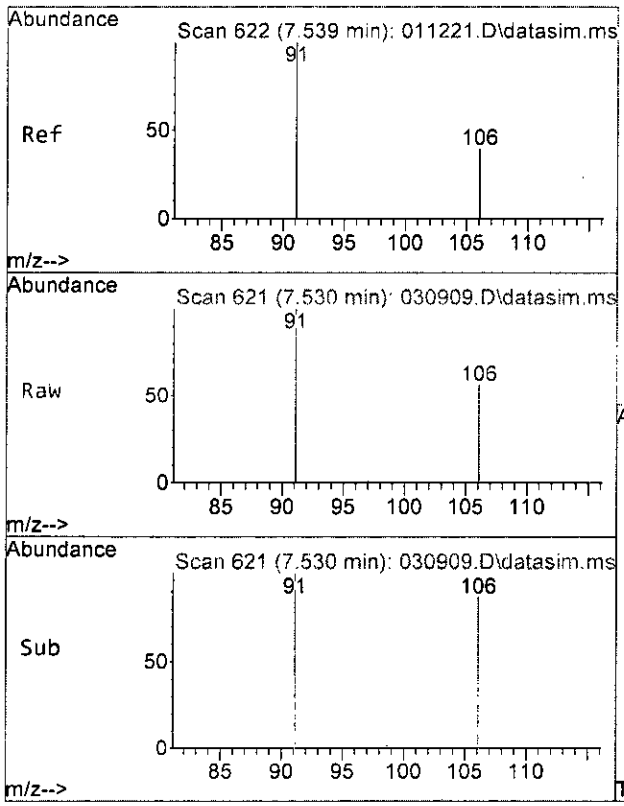


#47
1,2-Dibromoethane (EDB)
Concen: Below Cal
RT: 6.97 min Scan# 565
Delta R.T. 0.000 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion:107 Resp: 55

Ion	Ratio	Lower	Upper
107	100		
109	105.3	63.6	123.6
188	5.3	0.0	33.9

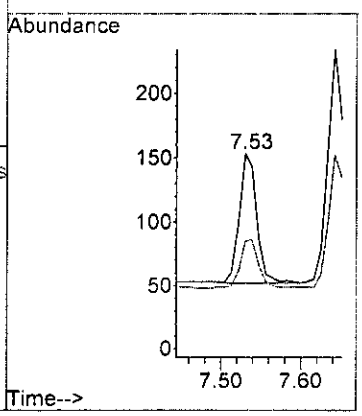


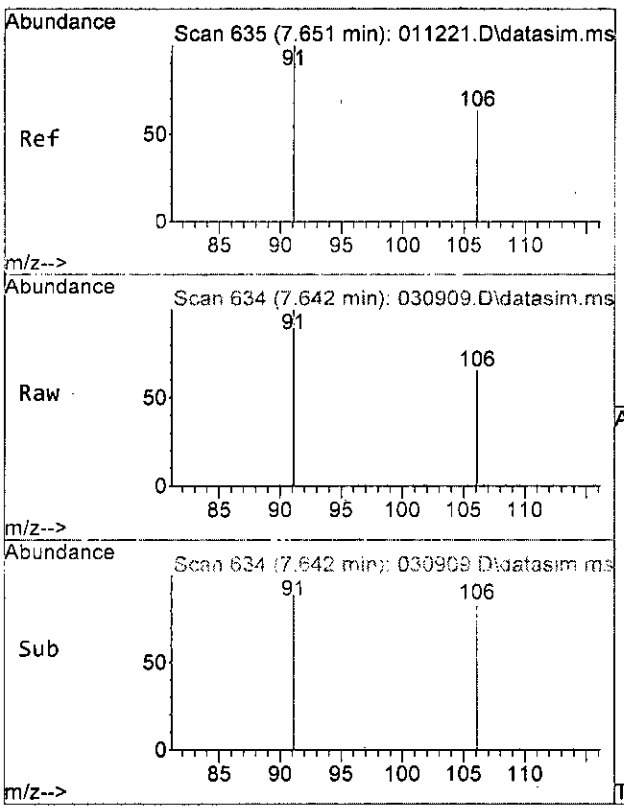


#49
Ethylbenzene
Concen: Below Cal
RT: 7.53 min Scan# 621
Delta R.T. -0.009 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion: 91 Resp: 153

Ion	Ratio	Lower	Upper
91	100		
106	35.6	9.9	69.9

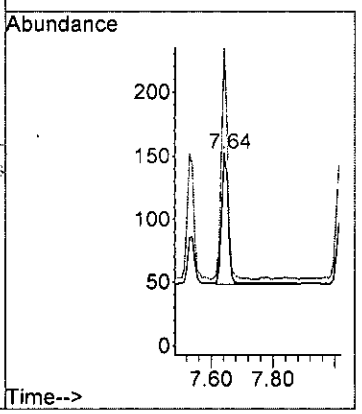


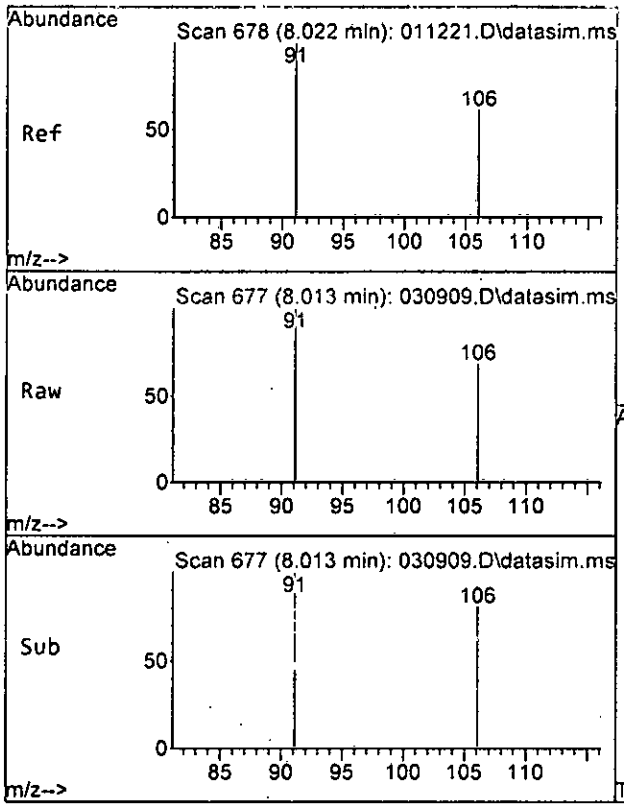


#51
m,p-Xylene
Concen: Below Cal
RT: 7.64 min Scan# 634
Delta R.T. -0.009 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion:106 Resp: 164

Ion	Ratio	Lower	Upper
106	100		
91	175.0	125.2	185.2

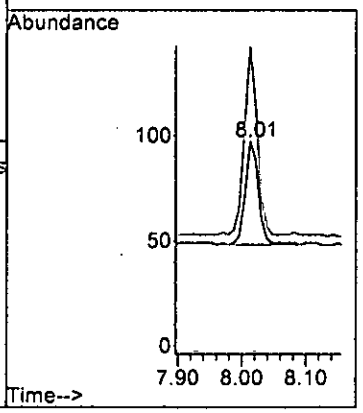




#52
o-Xylene
Concen: Below Cal
RT: 8.01 min Scan# 677
Delta R.T. -0.008 min
Lab File: 030909.D
Acq: 09 Mar 2023 10:41 am

Tgt Ion:106 Resp: 72

Ion	Ratio	Lower	Upper
106	100		
91	183.7	131.3	191.3



Quantitation Report (QT Reviewed)

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030909.D
Acq On : 09 Mar 2023 10:41 am
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 09 11:00:13 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	4.73	96	59916	10.000	ppb	0.00
39) Chlorobenzene-d5	7.40	117	52631	10.000	ppb	0.00
56) 1,4-Dichlorobenzene-d4	9.62	152	31079	10.000	ppb	0.00
System Monitoring Compounds						
3) Dibromofluoromethane	4.17	113	20187	10.455	ppb	0.00
Spiked Amount 10.000	Range 50 - 150		Recovery = 104.60%			
30) 1,2-Dichloroethane-d4	4.45	102	3743	9.837	ppb	0.00
Spiked Amount 10.000	Range 71 - 132		Recovery = 98.40%			
35) Toluene-d8	6.11	98	55362	9.697	ppb	0.00
Spiked Amount 10.000	Range 68 - 139		Recovery = 97.00%			
57) 4-Bromofluorobenzene	8.51	95	18860	10.062	ppb	0.00
Spiked Amount 10.000	Range 62 - 136		Recovery = 100.60%			
Target Compounds						Qvalue
2) Ethanol	0.00		0	N.D.		
4) Dichlorodifluoromethane	0.00		0	N.D.		
5) Chloromethane	1.26	50	2212	N.D.		
6) Vinyl chloride	1.35	62	90	N.D.		
7) Bromomethane	0.00		0	N.D.		
8) Chloroethane	1.65	64	201	N.D.		
9) Trichlorofluoromethane	0.00		0	N.D.		
10) 2-Propanol	0.00		0	N.D.		
11) Acetone	0.00		0	N.D.	d	
12) 1,1-Dichloroethene	0.00		0	N.D.	d	
13) Hexane	0.00		0	N.D.	d	
14) Methylene chloride	0.00		0	N.D.	d	
15) t-Butyl alcohol (TBA)	0.00		0	N.D.		
16) Methyl t-butyl ether (...	0.00		0	N.D.		
17) trans-1,2-Dichloroethene	0.00		0	N.D.	d	
18) Diisopropyl ether (DIPE)	0.00		0	N.D.		
19) 1,1-Dichloroethane	0.00		0	N.D.	d	
20) Ethyl t-butyl ether (E...	0.00		0	N.D.		
21) 2,2-Dichloropropane	0.00		0	N.D.		
22) cis-1,2-Dichloroethene	0.00		0	N.D.	d	
23) Chloroform	0.00		0	N.D.		
24) 2-Butanone (MEK)	3.79	43	37	N.D.		
25) t-Amyl methyl ether (T...	0.00		0	N.D.		
26) 1,2-Dichloroethane (EDC)	0.00		0	N.D.	d	
27) 1,1,1-Trichloroethane	0.00		0	N.D.	d	
28) 1,1-Dichloropropene	0.00		0	N.D.		
29) Carbon tetrachloride	0.00		0	N.D.		
31] Benzene	4.50	78	114	Below Cal		96
32] Trichloroethene	5.04	95	49	Below Cal		93
33) 1,2-Dichloropropane	0.00		0	N.D.		
34) Bromodichloromethane	0.00		0	N.D.		
36) Dibromomethane	0.00		0	N.D.		

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030909.D
Acq On : 09 Mar 2023 10:41 am
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

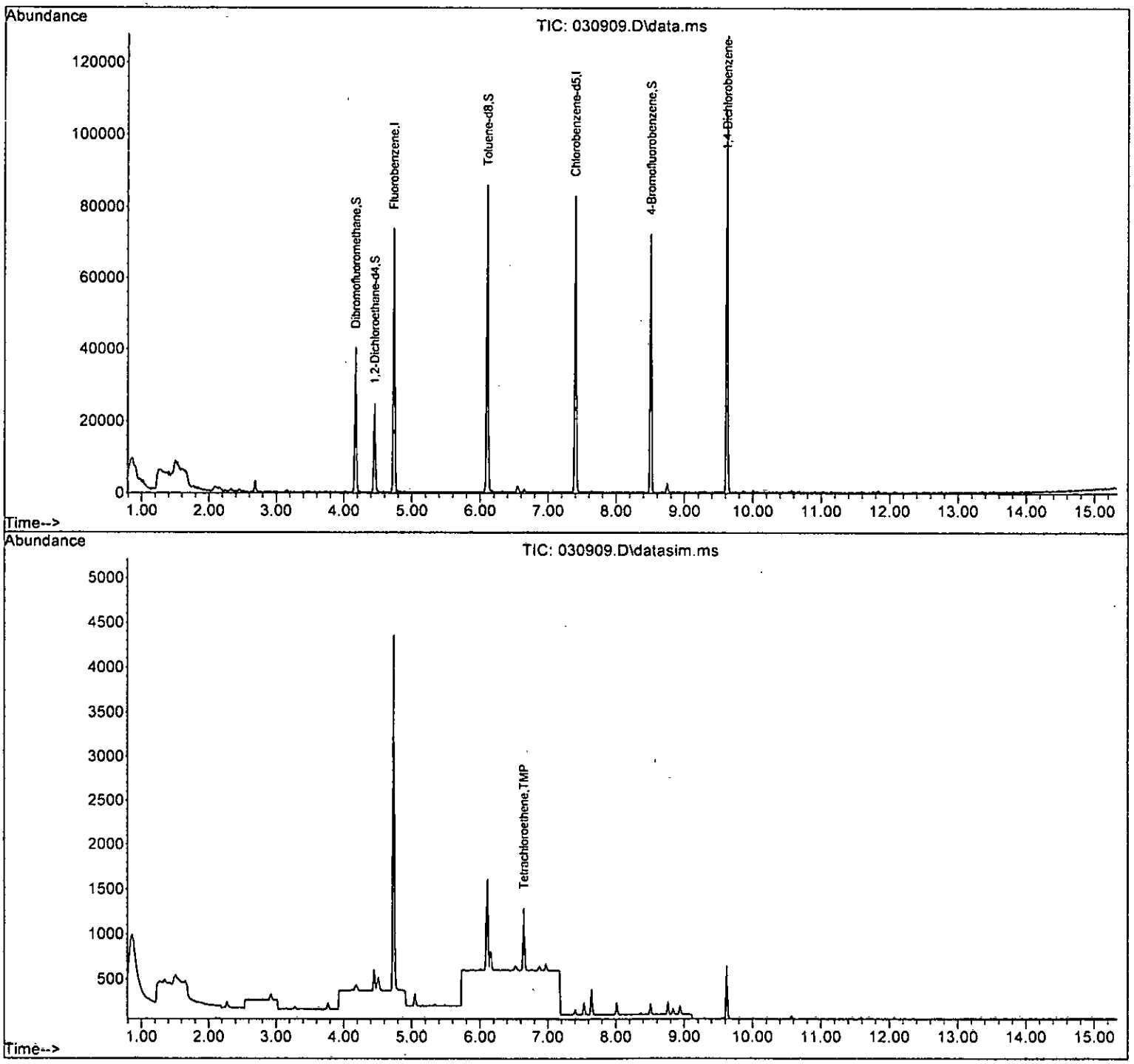
Quant Time: Mar 09 11:00:13 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
37) 4-Methyl-2-pentanone	0.00		0	N.D.	
38) cis-1,3-Dichloropropene	0.00		0	N.D.	
40] Toluene	6.16	92	133	Below Cal	93
41) trans-1,3-Dichloropropene	0.00		0	N.D.	
42) 1,1,2-Trichloroethane	6.53	83	35	N.D.	
43) 2-Hexanone	6.76	43	41	N.D.	
44) 1,3-Dichloropropane	0.00		0	N.D.	
45] Tetrachloroethene	6.65	164	241	0.047 ppb	99
46) Dibromochloromethane	0.00		0	N.D.	
47] 1,2-Dibromoethane (EDB)	6.97	107	55	Below Cal	88
48) Chlorobenzene	7.43	112	114	N.D.	
49] Ethylbenzene	7.53	91	153	Below Cal	93
50) 1,1,1,2-Tetrachloroethane	0.00		0	N.D.	
51] m,p-Xylene	7.64	106	164	Below Cal	85
52] o-Xylene	8.01	106	72	Below Cal	83
53) Styrene	0.00		0	N.D.	
54) Isopropylbenzene	8.36	105	210	N.D.	
55) Bromoform	0.00		0	N.D.	
58) n-Propylbenzene	8.76	91	172	N.D.	
59) Bromobenzene	8.65	156	29	N.D.	
60) 1,3,5-Trimethylbenzene	8.94	105	89	N.D.	
61) 1,1,2,2-Tetrachloroethane	0.00		0	N.D.	
62) 1,2,3-Trichloropropane	0.00		0	N.D. d	
63) 2-Chlorotoluene	8.94	91	35	N.D.	
64) 4-Chlorotoluene	8.94	91	35	N.D.	
65) tert-Butylbenzene	9.25	119	113	N.D.	
66) 1,2,4-Trimethylbenzene	9.29	105	312	N.D.	
67) sec-Butylbenzene	9.46	105	200	N.D.	
68) p-Isopropyltoluene	9.60	119	269	N.D.	
69) 1,3-Dichlorobenzene	9.55	146	136	N.D.	
70) 1,4-Dichlorobenzene	9.64	146	134	N.D.	
71) 1,2-Dichlorobenzene	10.00	146	109	N.D.	
72) 1,2-Dibromo-3-chloropr...	0.00		0	N.D.	
73) 1,2,4-Trichlorobenzene	11.58	180	204	N.D.	
74) Hexachlorobutadiene	11.77	225	89	N.D.	
75) Naphthalene	0.00		0	N.D. d	
76) 1,2,3-Trichlorobenzene	12.08	180	208	N.D.	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : U:\GCMS13\GCMS13_Data\03-09-23\
Data File : 030909.D
Acq On : 09 Mar 2023 10:41 am
Operator : lm
Sample : 302330-09
Misc : water
ALS Vial : 6 Sample Multiplier: 1
InstName : GCMS13

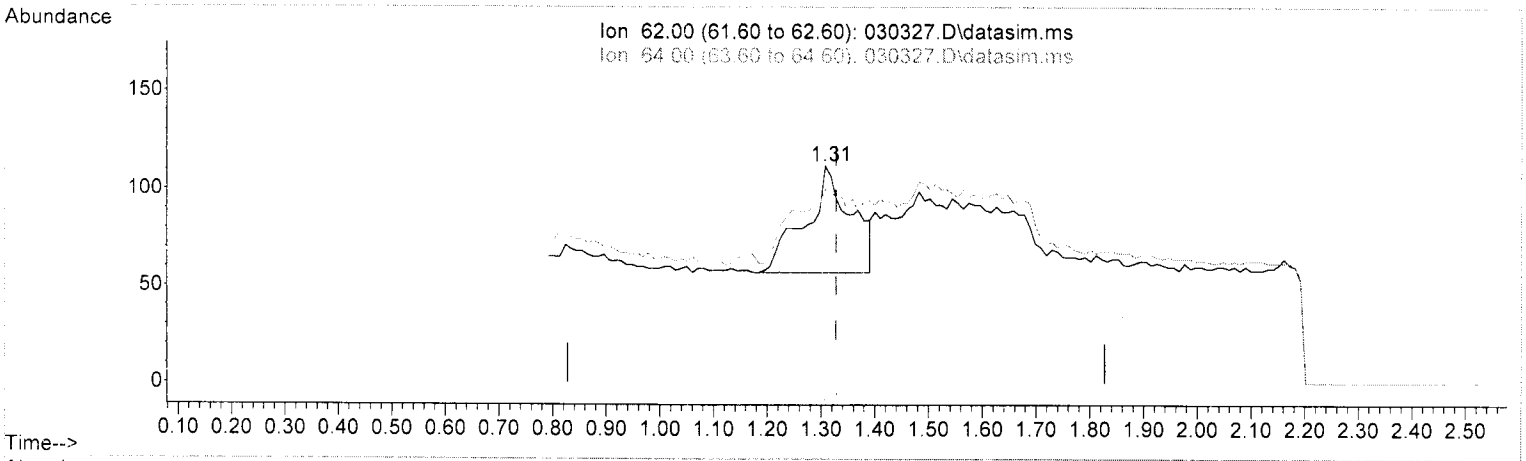
Quant Time: Mar 09 11:00:13 2023
Quant Method : Y:\Methods\Inst13\VB030823ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Thu Mar 09 09:54:04 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M

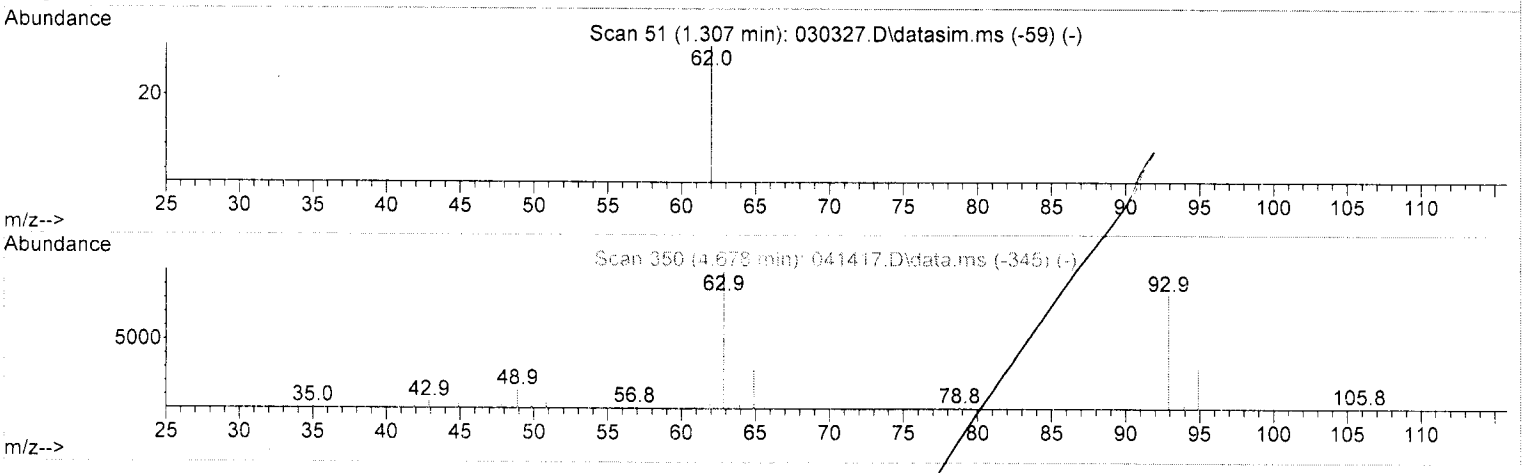


Quantitation Report (Qedit)

Data Path : D:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

(6) Vinyl chloride (TMP)
1.307min (-0.020) 0.142 ppb
response 325

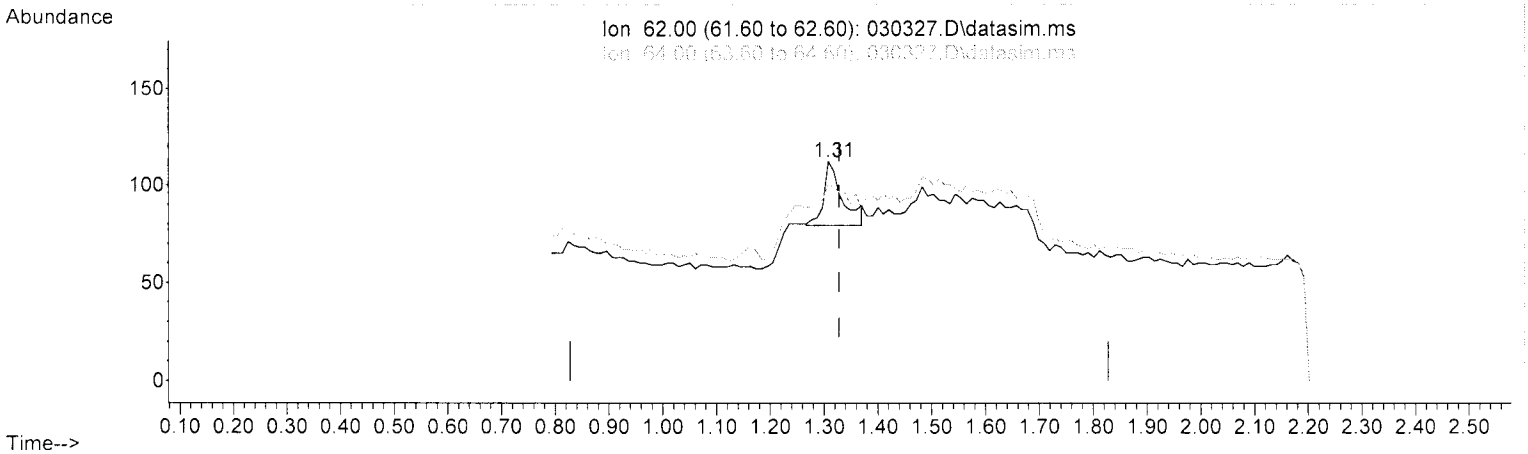
Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	69.09#
0.00	0.00	0.00
0.00	0.00	0.00

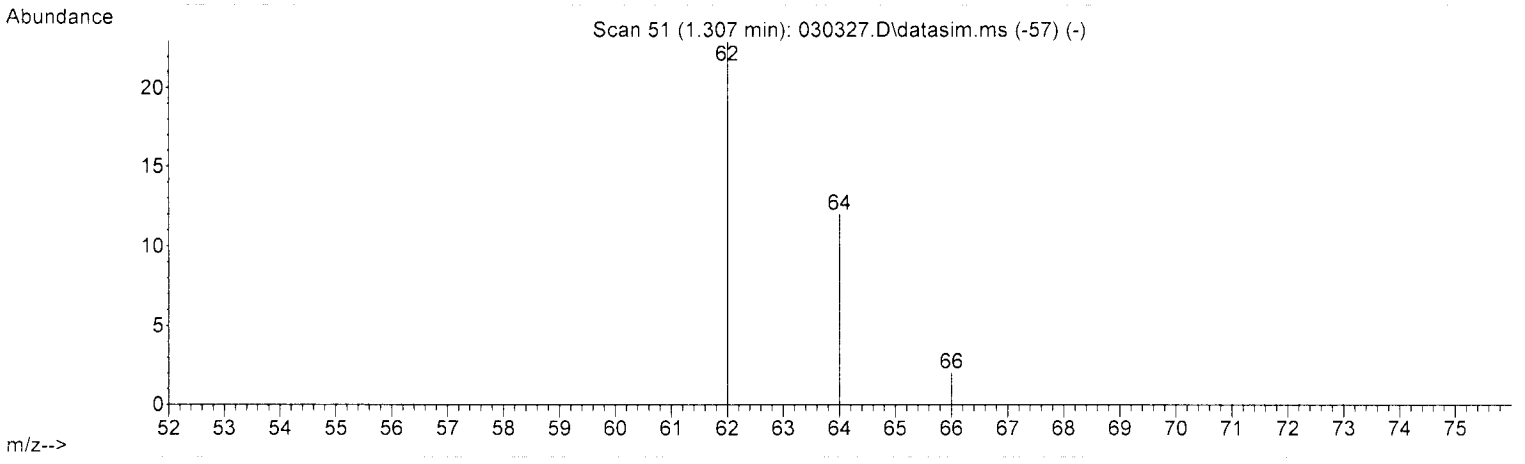
VM 5/19

Quantitation Report (Qedit)

Data Path : Y:\Proc_GCMS13\03-03-23\
Data File : 030327.D
Acq On : 03 Mar 2023 04:21 pm
Operator : lm
Sample : 302330-06
Misc : water
ALS Vial : 17 Sample Multiplier: 1
InstName : GCMS13

Quant Time: Mar 06 09:10:34 2023
Quant Method : Y:\Methods\Inst13\VB021423ms13.M
Quant Title : 8260 Purge & Trap Volatiles Dual Acquisition
QLast Update : Wed Feb 15 10:42:07 2023
Response via : Initial Calibration
DataAcq Meth:VM080322.M





TIC: 030327.D\data.ms

(6) Vinyl chloride (TMP)

1.307min (-0.020) 0.040 ppb m

response 80

Ion	Exp%	Act%
62.00	100.00	100.00
64.00	34.80	89.29#
0.00	0.00	0.00
0.00	0.00	0.00

Attachment 2
Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Anchor
1201 3rd Ave Suite 2600
Seattle, WA 98101
ATTN: Ms. Delaney Peterson

May 22, 2023

SUBJECT: Carson Cleaners - Data Validation

Dear Ms. Peterson,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on March 27, 2023. Attachment 1 is a summary of the samples that were reviewed for each analysis.

Revision: 302322 – Removed qualifiers due to no method blank provided.

LDC Project #56387_RV1:

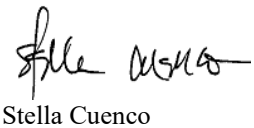
SDG #	Fraction
302300	Volatiles
302321	
302322	
302330	

The data validation was performed under Stage 2B guidelines. The analysis was validated using the following documents, as applicable to each method:

- Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021)
- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,



Stella Cuenco
scuenco@lab-data.com
Project Manager/Senior Chemist

1,654 pages-ADV

Attachment 1

Stage 2B EDD

LDC# 56387 (Anchor Environmental - Seattle, WA / Carson Cleaners)

LDC	SDG#	DATE REC'D	(3) DATE DUE	(5) VOA (TO-15)		(5) VOA (8260D)																															
Matrix:	Air/Water/Soil			A	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	302300	03/27/23	04/17/23	-	-	9	0																														
B	302321	03/27/23	04/17/23	8	0	-	-																														
C	302322	03/27/23	04/17/23	-	-	3	0																														
D	302330	03/27/23	04/17/23	-	-	9	0																														
Total	TR/SC			8	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B validation). These sample counts do not include MS, MSD, or DUP's.

V:\LOGIN\Anchor\Carson Cleaners\56387ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: May 11, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 302300

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
MW-23-GW-20230221	302300-01	Water	02/21/23
MW-22-GW-20230221	302300-02	Water	02/21/23
MW-25-GW-20230221	302300-03	Water	02/21/23
MW-27-GW-20230221	302300-04	Water	02/21/23
MW-28-GW-20230221	302300-05	Water	02/21/23
MW-20-GW-20230221	302300-06	Water	02/21/23
MW-18-GW-20230221	302300-07	Water	02/21/23
CC-MW-01-GW-20230221	302300-08	Water	02/21/23
TB-20230221	302300-09	Water	02/21/23
MW-18-GW-20230221MS	302300-07MS	Water	02/21/23

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method with the following exceptions:

Sample	Analyte	Finding	Flag	A or P
MW-23-GW-20230221 MW-22-GW-20230221 MW-25-GW-20230221 MW-27-GW-20230221 MW-20-GW-20230221 CC-MW-01-GW-20230221	All analytes	Method blank and/or instrument blank data were not provided.	J (all detects)	P

VI. Field Blanks

Sample TB-20230221 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
MW-28-GW-20230221 MW-18-GW-20230221 TB-20230221	All analytes	No LCS analysis associated with these samples.	LCS analysis required.	J (all detects) UJ (all non-detects)	P

For all other samples, LCS and LCSD percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to no laboratory blank and no LCS/LCSD, data were qualified as estimated in nine samples.

Carson Cleaners
Volatiles - Data Qualification Summary - SDG 302300

Sample	Analyte	Flag	A or P	Reason
MW-23-GW-20230221 MW-22-GW-20230221 MW-25-GW-20230221 MW-27-GW-20230221 MW-20-GW-20230221 CC-MW-01-GW-20230221	All analytes	J (all detects)	P	Laboratory blank (no blank)
MW-28-GW-20230221 MW-18-GW-20230221 TB-20230221	All analytes	J (all detects) UJ (all non-detects)	P	Laboratory control samples (no LCS/LCSD)

Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 302300

No Sample Data Qualified in this SDG

LDC #: 56387A1a **VALIDATION COMPLETENESS WORKSHEET** Date: 04/24/23
SDG #: 302300 Stage 2B Page: 1 of 1
Laboratory: Friedman & Bruya, Inc., Seattle, WA Reviewer: JVG
2nd Reviewer: AV

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A, A	RSD ≤ 20% r ICV ≤ 30%
IV.	Continuing calibration	A	%D ≤ 20%
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	TB = 9
VII.	Surrogate spikes	A	
VIII.	Matrix spike/~~Matrix spike duplicates~~	A	MS only
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

		Client ID	Lab ID	Matrix	Date
2/24 (11)	1 +	MW-23-GW-20230221	302300-01	Water	02/21/23
2/24	2 +	MW-22-GW-20230221	302300-02	Water	02/21/23
2/24	3 +	MW-25-GW-20230221	302300-03	Water	02/21/23
2/24	4 +	MW-27-GW-20230221	302300-04	Water	02/21/23
2/6 (13)	5 +	MW-28-GW-20230221	302300-05	Water	02/21/23
2/24	6 +	MW-20-GW-20230221	302300-06	Water	02/21/23
2/06	7 −	MW-18-GW-20230221	302300-07	Water	02/21/23
2/24	8 +	CC-MW-21-GW-20230221	302300-08	Water	02/21/23
2/06	9 −	TB-20230221	302300-09	Water	02/21/23
	10	MW-18-GW-20230221MS	302300-07MS	Water	02/21/23
	11	~~MW-18-GW-20230221MSD~~	~~302300-07MSD~~	~~Water~~	~~02/21/23~~
	12				
	13				
2/6 (13)	14 −	03-0353 MB			
	15				

(C, PPP, QQQ, S, AA only)

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 56387 A1a

VALIDATION FINDINGS WORKSHEET
Blanks

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a method blank associated with every sample in this SDG?
Y (N) N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y (N) N/A Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 02/29/23
Conc. units:

Associated Samples: 1-4, 6, 8 (ND+Det) qual: J dets/P

Compound	Blank ID	Sample Identification								
All	No	MB or instrument blank provided								
Note: MB	provided	analyzed after samples	were	analyzed	(3/6/23)					

Blank analysis date:
Conc. units:

Associated Samples:

Compound	Blank ID	Sample Identification								

LDC #: 56387 A1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260D)

Y (N) N/A Were laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?
Y N (N/A) Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Associated Samples	Qualifications
2/24	No LCS provided	All				( )	5, 7, 9 (ND + Det)	J/UJ/P
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
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						( )		
						( )		
						( )		
						( )		
						( )		

Note: LCS/D provided analyzed 2/24/23, samples analyzed 3/6/23.

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: April 26, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 302321

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
CC-AA-01-20230222	302321-01	Air	02/22/23
CC-IA-01-20230222	302321-02	Air	02/22/23
CC-IA-02-20230222	302321-03	Air	02/22/23
CC-IA-03-20230222	302321-04	Air	02/22/23
CC-IA-04-20230222	302321-05	Air	02/22/23
CC-SS-01-20230222	302321-06	Air	02/22/23
CC-SS-02-20230222	302321-07	Air	02/22/23
CC-SS-03B-20230222	302321-08	Air	02/22/23

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) Method TO-15

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

The canisters were properly pressurized and handled.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 24 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

The percent relative standard deviations (%RSD) were less than or equal to 30.0% for all analytes.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all analytes.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

Canister blank analyses were performed for every sample canister. No contaminants were found in the canister blanks.

VI. Field Blanks

No field blanks were identified in this SDG.

VII. Surrogates

Although surrogates were not required by the method, surrogate analysis was performed by the laboratory. Surrogate recoveries (%R) were within QC limits.

VIII. Duplicate Sample Analysis

The laboratory has indicated that there were no duplicate (DUP) analyses specified for the samples in this SDG, and therefore duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

X. Field Duplicates

No field duplicates were identified in this SDG.

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Carson Cleaners
Volatiles - Data Qualification Summary - SDG 302321

No Sample Data Qualified in this SDG

Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 302321

No Sample Data Qualified in this SDG

LDC #: 56387B48 **VALIDATION COMPLETENESS WORKSHEET** Date: 04/18/23
SDG #: 302321 Stage 2B Page: 1 of 1
Laboratory: Friedman & Bruya, Inc., Seattle, WA Reviewer: JVG
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA Method TO-15)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	RSD ≤ 30% ICV ≤ 30%
IV.	Continuing calibration	A	%D ≤ 30%
V.	Laboratory Blanks	A	(canisters per sample)
VI.	Field blanks	N	
VII.	Surrogate spikes	A	
VIII.	Duplicate sample analysis	N	
IX.	Laboratory control samples	A	LCS
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV.	~~Leak Check Compounds~~	—	
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID	Lab ID	Matrix	Date
1	CC-AA-01-20230222	302321-01	Air	02/22/23
2	CC-IA-01-20230222	302321-02	Air	02/22/23
3	CC-IA-02-20230222	302321-03	Air	02/22/23
4	CC-IA-03-20230222	302321-04	Air	02/22/23
5	CC-IA-04-20230222	302321-05	Air	02/22/23
6	CC-SS-01-20230222	302321-06	Air	02/22/23
7	CC-SS-02-20230222	302321-07	Air	02/22/23
8	CC-SS-03B-20230222	302321-08	Air	02/22/23
9				

Notes:

—	03-0356 MB						

Short list: C, PPP, QQQ, S, ~~AA~~

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: May 19, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 302322

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-20230222	302322-01	Water	02/22/23
CC-MW-2S-GW-20230222	302322-02	Water	02/22/23
CC-MW-2D-GW-20230222	302322-03	Water	02/22/23

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample TB-20230222 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
TB-20230222	All analytes	No LCS analysis associated with these samples.	LCS analysis required.	UJ (all non-detects)	P

For all other samples, LCS and LCSD percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples CC-MW-2S-GW-20230222 and CC-MW-2D-GW-20230222 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	CC-MW-2S-GW-20230222	CC-MW-2D-GW-20230222	
Trichloroethene	0.05U	0.06	18
Tetrachloroethene	0.14	1.9	173

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to no LCS/LCSD, data were qualified as estimated in one sample.

Carson Cleaners
Volatiles - Data Qualification Summary - SDG 302322

Sample	Analyte	Flag	A or P	Reason
TB-20230222	All analytes	UJ (all non-detects)	P	Laboratory control samples (no LCS/LCSD)

Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 302322

No Sample Data Qualified in this SDG

LDC #: 56387C1a **VALIDATION COMPLETENESS WORKSHEET** Date: 4/24/23
SDG #: 302322 Stage 2B Page: 1 of 1
Laboratory: Friedman & Bruya, Inc., Seattle, WA Reviewer: TVG
2nd Reviewer: SL

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	RSD ≤ 20% r² ICV ≤ 30%
IV.	Continuing calibration	A	%D ≤ 20%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	TB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	N	
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 2/3
XI.	Internal standards	A	
XII.	Target analyte quantitation	N	
XIII.	Target analyte identification	N	
XIV	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank

	Client ID		Lab ID	Matrix	Date
1/6 1	TB-20230222		302322-01	Water	02/22/23
2/23 2	CC-MW-2S-GW-20230222	D	302322-02	Water	02/22/23
2/23 3	CC-MW-2D-GW-20230222	D	302322-03	Water	02/22/23
4					
5					
6					
7					
8					
9					
10					

Notes:

3/6 —	03-0348 MB						

(short list)

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 56387C1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260D)

Y (N) N/A Were laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?
Y N (N/A) Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Associated Samples	Qualifications
	No LCS provided	All				( )	1 (ND)	J/UJ/P
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
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						( )		
						( )		
						( )		
						( )		
						( )		
						( )		

Note: LCS provided analyzed 2/23/23, sample analyzed 3/6/23. Based on the raw data

LDC#: 56387C1a

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JVG

METHOD: GCMS VOA (EPA SW 846 Method 8260D)

Compound	Concentration (ug/L)		RPD
	2	3	
S	0.05U	0.06	18
AA	0.14	1.9	173

V:\Josephine\FIELD DUPLICATES\56387C1a anchor carson cleaners nq.wpd

LDC Report# 56387D1a

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Carson Cleaners

LDC Report Date: April 26, 2023

Parameters: Volatiles

Validation Level: Stage 2B

Laboratory: Friedman & Bruya, Inc., Seattle, WA

Sample Delivery Group (SDG): 302330

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
TB-20230223	302330-01	Water	02/23/23
CC-MW-4D-GW-20230223	302330-02	Water	02/23/23
CC-MW-03-GW-20230223	302330-03	Water	02/23/23
CC-MW-06-GW-20230223	302330-04	Water	02/23/23
BP-MW-08-GW-20230223	302330-05	Water	02/23/23
BP-MW-27-GW-20230223	302330-06	Water	02/23/23
BP-MW-1027-GW-20230223	302330-07	Water	02/23/23
BP-MW-28-GW-20230223	302330-08	Water	02/23/23
BP-MW-29-GW-20230223	302330-09	Water	02/23/23
CC-MW-4D-GW-20230223MS	302330-02MS	Water	02/23/23
CC-MW-4D-GW-20230223MSD	302330-02MSD	Water	02/23/23

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Quality Assurance Project Plan for Carson Cleaners Site, Seattle, Washington (October 2021) and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Volatile Organic Compounds (VOCs) by Environmental Protection Agency (EPA) SW 846 Method 8260D

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The analyte was analyzed for and positively identified by the laboratory; however the analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. GC/MS Instrument Performance Check

A bromofluorobenzene (BFB) tune was performed at 12 hour intervals.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

An initial calibration was performed as required by the method.

For analytes where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the analytes, all coefficients of determination (r^2) were greater than or equal to 0.990.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all analytes.

IV. Continuing Calibration

Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method with the following exceptions:

Sample	Analyte	Finding	Flag	A or P
CC-MW-03-GW-20230223 BP-MW-08-GW-20230223 BP-MW-27-GW-20230223 BP-MW-1027-GW-20230223 BP-MW-28-GW-20230223	Tetrachloroethene	Method blank and/or instrument blank data were not provided.	J (all detects)	P

VI. Field Blanks

Sample TB-20230223 was identified as a trip blank. No contaminants were found.

VII. Surrogates

Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits.

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method with the following exceptions:

Sample	Analyte	Finding	Criteria	Flag	A or P
CC-MW-4D-GW-20230223 BP-MW-29-GW-20230223	Tetrachloroethene	No LCS analysis associated with these samples.	LCS analysis required.	J (all detects) UJ (all non-detects)	P

For all other samples, LCS and LCSD percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples BP-MW-27-GW-20230223 and BP-MW-1027-GW-20230223 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Analyte	Concentration (ug/L)		RPD
	BP-MW-27-GW-20230223	BP-MW-1027-GW-20230223	
Vinyl chloride	0.04	0.039	3
cis-1,2-Dichloroethene	0.074	0.073	1
Trichloroethene	0.31	0.29	7
Tetrachloroethene	48	47	2

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Target Analyte Quantitation

For sample CC-MW-03-GW-20230223, the laboratory indicated results qualified "c" for tetrachloroethene may be due to carryover from previous sample injections.

Raw data were not reviewed for Stage 2B validation.

XIII. Target Analyte Identification

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to no laboratory blank and no LCS/LCSD, data were qualified as estimated in seven samples.

Carson Cleaners
Volatiles - Data Qualification Summary - SDG 302330

Sample	Analyte	Flag	A or P	Reason
CC-MW-03-GW-20230223 BP-MW-08-GW-20230223 BP-MW-27-GW-20230223 BP-MW-1027-GW-20230223 BP-MW-28-GW-20230223	Tetrachloroethene	J (all detects)	P	Laboratory blank (no blank)
CC-MW-4D-GW-20230223 BP-MW-29-GW-20230223	Tetrachloroethene	J (all detects) UJ (all non-detects)	P	Laboratory control samples (no LCS/LCSD)

Carson Cleaners
Volatiles - Laboratory Blank Data Qualification Summary - SDG 302330

No Sample Data Qualified in this SDG

LDC #: 56387D1a **VALIDATION COMPLETENESS WORKSHEET** Date: 04/24/23
SDG #: 302330 Stage 2B Page: 1 of 1
Laboratory: Friedman & Bruya, Inc., Seattle, WA Reviewer: VV
2nd Reviewer:

METHOD: GC/MS Volatiles (EPA SW-846 Method 8260D)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A / A	RSD ≤ 20% or r ≥ 30%
IV.	Continuing calibration	A	%D ≤ 20%
V.	Laboratory Blanks	SW	
VI.	Field blanks	ND	TB = 1
VII.	Surrogate spikes	A	
VIII.	Matrix spike/~~Matrix spike duplicates~~	A	MS only
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 6/7
XI.	Internal standards	A	
XII.	Target analyte quantitation	SW	
XIII.	Target analyte identification	N	
XIV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

		Client ID		Lab ID	Matrix	Date
3/3	1	TB-20230223		302330-01	Water	02/23/23
3/3	2	CC-MW-4D-GW-20230223		302330-02	Water	02/23/23
3/9-AA	3	CC-MW-03-GW-20230223		302330-03	Water	02/23/23
3/3	4	CC-MW-06-GW-20230223		302330-04	Water	02/23/23
3/3	5	BP-MW-08-GW-20230223		302330-05	Water	02/23/23
3/3	6	BP-MW-27-GW-20230223	D	302330-06	Water	02/23/23
3/3	7	BP-MW-1027-GW-20230223	D	302330-07	Water	02/23/23
3/3	8	BP-MW-28-GW-20230223		302330-08	Water	02/23/23
3/9-AA	9	BP-MW-29-GW-20230223		302330-09	Water	02/23/23
	10	CC-MW-4D-GW-20230223MS		302330-02MS	Water	02/23/23
	11	CC-MW-4D-GW-20230223MSD		302330-02MSD	Water	02/23/23
	12					
	13					
3/3	14	03-0368 MB				
3/9	15	03-0368 MB2 (AA only)				

(C, PPP, QQQ, S, AA only)

TARGET COMPOUND WORKSHEET

METHOD: VOA

A. Chloromethane	AA. Tetrachloroethene	AAA. 1,3,5-Trimethylbenzene	AAAA. Ethyl tert-butyl ether	A1. 1,3-Butadiene	A2. 1,2,4,5-Tetramethylbenzene
B. Bromomethane	BB. 1,1,2,2-Tetrachloroethane	BBB. 4-Chlorotoluene	BBBB. tert-Amyl methyl ether	B1. Hexane	B2. Octane
C. Vinyl choride	CC. Toluene	CCC. tert-Butylbenzene	CCCC. 1-Chlorohexane	C1. Heptane	C2. n-Propyl alcohol
D. Chloroethane	DD. Chlorobenzene	DDD. 1,2,4-Trimethylbenzene	DDDD. Isopropyl alcohol	D1. Propylene	D2. n-Pentane
E. Methylene chloride	EE. Ethylbenzene	EEE. sec-Butylbenzene	EEEE. Acetonitrile	E1. Freon 11	E2.
F. Acetone	FF. Styrene	FFF. 1,3-Dichlorobenzene	FFFF. Acrolein	F1. Freon 12	F2.
G. Carbon disulfide	GG. Xylenes, total	GGG. p-Isopropyltoluene	GGGG. Acrylonitrile	G1. Freon 113	G2.
H. 1,1-Dichloroethene	HH. Vinyl acetate	HHH. 1,4-Dichlorobenzene	HHHH. 1,4-Dioxane	H1. Freon 114	H2.
I. 1,1-Dichloroethane	II. 2-Chloroethylvinyl ether	III. n-Butylbenzene	IIII. Isobutyl alcohol	I1. 2-Nitropropane	I2.
J. 1,2-Dichloroethene, total	JJ. Dichlorodifluoromethane	JJJ. 1,2-Dichlorobenzene	JJJJ. Methacrylonitrile	J1. Dimethyl disulfide	J2.
K. Chloroform	KK. Trichlorofluoromethane	KKK. 1,2,4-Trichlorobenzene	KKKK. Propionitrile	K1. 2,3-Dimethyl pentane	K2.
L. 1,2-Dichloroethane	LL. Methyl-tert-butyl ether	LLL. Hexachlorobutadiene	LLLL. Ethyl ether	L1. 2,4-Dimethyl pentane	L2.
M. 2-Butanone	MM. 1,2-Dibromo-3-chloropropane	MMM. Naphthalene	MMMM. Benzyl chloride	M1. 3,3-Dimethyl pentane	M2.
N. 1,1,1-Trichloroethane	NN. Methyl ethyl ketone	NNN. 1,2,3-Trichlorobenzene	NNNN. Iodomethane	N1. 2-Methylpentane	N2.
O. Carbon tetrachloride	OO. 2,2-Dichloropropane	OOO. 1,3,5-Trichlorobenzene	OOOO.1,1-Difluoroethane	O1. 3-Methylpentane	O2.
P. Bromodichloromethane	PP. Bromochloromethane	PPP. trans-1,2-Dichloroethene	PPPP. Tetrahydrofuran	P1. 3-Ethylpentane	P2.
Q. 1,2-Dichloropropane	QQ. 1,1-Dichloropropene	QQQ. cis-1,2-Dichloroethene	QQQQ. Methyl acetate	Q1. 2,2-Dimethylpentane	Q2.
R. cis-1,3-Dichloropropene	RR. Dibromomethane	RRR. m,p-Xylenes	RRRR. Ethyl acetate	R1. 2,2,3- Trimethylbutane	R2.
S. Trichloroethene	SS. 1,3-Dichloropropane	SSS. o-Xylene	SSSS. Cyclohexane	S1. 2,2,4-Trimethylpentane	S2.
T. Dibromochloromethane	TT. 1,2-Dibromoethane	TTT. 1,1,2-Trichloro-1,2,2-trifluoroethane	TTTT. Methylcyclohexane	T1. 2-Methylhexane	T2.
U. 1,1,2-Trichloroethane	UU. 1,1,1,2-Tetrachloroethane	UUU. 1,2-Dichlorotetrafluoroethane	UUUU. Allyl chloride	U1. Nonanal	U2.
V. Benzene	VV. Isopropylbenzene	VVV. 4-Ethyltoluene	VVVV. Methyl methacrylate	V1. 2-Methylnaphthalene	V2.
W. trans-1,3-Dichloropropene	WW. Bromobenzene	WWW. Ethanol	WWWW. Ethyl methacrylate	W1. Methanol	W2.
X. Bromoform	XX. 1,2,3-Trichloropropane	XXX. Di-isopropyl ether	XXXX. cis-1,4-Dichloro-2-butene	X1. 1,2,3-Trimethylbenzene	X2.
Y. 4-Methyl-2-pentanone	YY. n-Propylbenzene	YYY. tert-Butanol	YYYY. trans-1,4-Dichloro-2-butene	Y1. 2-Propanol	Y2.
Z. 2-Hexanone	ZZ. 2-Chlorotoluene	ZZZ. tert-Butyl alcohol	ZZZZ. Pentachloroethane	Z1. p-Diethylbenzene	Z2.

LDC #: 56387 D1a

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260D)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y (N) N/A Was a method blank associated with every sample in this SDG?
Y (N) N/A Was a method blank analyzed at least once every 12 hours for each matrix and concentration?
Y N (N/A) Was there contamination in the method blanks? If yes, please see the qualifications below.

Blank analysis date: 03/03/23
Conc. units: –
Associated Samples: 1, 3-8 (Det = 3, 5-8) qual: J dets/p

Compound	Blank ID	Sample Identification								
AA	No MB or instrument blank provided									
Note: MB provided was analyzed after samples (3/9)										

Blank analysis date:
Conc. units:
Associated Samples:

Compound	Blank ID	Sample Identification								

LDC #: 56387 D1a

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Page: 1 of 1
Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260D)

Y (N) N/A Were laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) analyzed for each matrix in this SDG?
Y N (N/A) Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R	LCSD %R	%R Limits	RPD (Limits)	Associated Samples	Qualifications
	No LCS provided	AA				( )	2, 9 (ND + Det)	J/UJ/P
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		
						( )		

Note: LCS provided analyzed 3/3, samples analyzed 3/9.

METHOD: GCMS VOA (EPA SW 846 Method 8260D)

Compound	Concentration (ug/L)		RPD
	6	7	
C	0.04	0.039	3
QQQ	0.074	0.073	1
S	0.31	0.29	7
AA	48	47	2

V:\Josephine\FIELD DUPLICATES\56387D1a anchor carson cleaners nq.wpd

LDC #: 56387D1a

VALIDATION FINDINGS WORKSHEET
Target Analyte Quantitation and RLs

Reviewer: JVG

METHOD: GC/MS VOA (EPA SW 846 Method 8260)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the analyte?

Y N N/A Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?

#	Sample ID	Analyte	Finding	Qualifications
	3	AA	Lab indicated result qualified "c" may be due to carryover from previous sample injections.	Text

Comments: _____